



**international**  
**american concrete institute**

August 5, 1998

To: ACI Committee 355  
From: R. Wollmershauser

*Dick*

**Subject: Ballot to Resolve Negative/Primary Comments of June 23, 1998 Ballot**

The June 23, 1998 ballot resulted in 18 votes to approve, 7 vote to not approve, 1 abstention and 1 ballot not returned. At least 50 percent voted to approve (67 %), and at least 2/3 of the yes and no votes (72 %) voted to approve. A ballot is enclosed in order to resolve the negative and primary comments.

The ACI Technical Staff performed the required editorial review. Most of their editorial recommendations, as well as almost all of those received from the ACI 355 Committee, were accepted.

Included in this mailing are:

- The ballot document, containing "persuasive comments with substantive changes", and "nonpersuasive" comments;
- A summary of all 117 ballot comments, giving the voter's comments and recommended vote for the ballot, keyed to the ballot document;
- A copy of all ballot comments received, including editorials; and
- A copy of the edited document also containing the recommended substantive changes.

Please note that this ballot has a shorter deadline, until August 25, 1998. This is done so that we can make the ACI Technical Activities Committee schedule for a review at the October Convention.

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Some significant edits and changes in the draft are:

- Conformance with ACI 318, Appendix D as modified;
- The term "fastener" has replaced "anchor" to conform to ACI 318, Appendix D, and to avoid conflict with other anchorage provisions in 318;
- Per Klingner negative and proposed resolution, Suitability Tests are renamed Reliability Tests;
- The method of calculating the categories uses more tests and is simplified (Section 10);
- Keywords shortened and placed on a new cover page; and
- A Table of Contents page.

**Instructions for balloting:**

For ballot items to be found "persuasive," vote yes to agree that the item is persuasive; vote no, if you disagree. Then, vote yes to agree with the substantive change; vote no to disagree. If you vote no on the substantive change, you need to include your reason(s) for the no vote. Persuasive items have this two-step vote process.

For ballot items to be found "nonpersuasive," vote yes to agree that the comment is nonpersuasive, vote no if you think the comment should be persuasive.

If you have any questions, call me at (918) 252-6571, or e-mail me at wollric@us.hilti.com

*C/2*

Mailed: August 5, 1998

PLEASE RETURN BY August 25, 1998

## ACI Committee 355 Letter Ballot

**Item Balloted: Negative and Primary Comments from the June 23, 1998 Letter Ballot on  
Provisional Standard for Performance of Post-Installed Mechanical  
Anchors In Concrete (ACI 355.1-XX/ACI 355.1M-XX) Draft 3a**

There are 117 items on this ballot. They are grouped by type – (A) Persuasive, Substantive Change, and (B) Nonpersuasive. A supporting summary is included with the packet as well as all comments from all voters. Voting instructions are given in the cover letter.

Please make this ballot a very high priority action. Fax or mail a copy of all pages of the ballot document to be received by the deadline date.

### (A) Items recommended "Persuasive", and requiring Approval of a Substantive Change

Ballot Item No.	Recommended Vote	Vote Options			Vote Options	
2	Persuasive	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Substantive Change	Yes <input type="checkbox"/>	No <input type="checkbox"/>
3	Persuasive	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Substantive Change	Yes <input type="checkbox"/>	No <input type="checkbox"/>
4	Persuasive	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Substantive Change	Yes <input type="checkbox"/>	No <input type="checkbox"/>
5	Persuasive	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Substantive Change	Yes <input type="checkbox"/>	No <input type="checkbox"/>
6	Persuasive	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Substantive Change	Yes <input type="checkbox"/>	No <input type="checkbox"/>
7	Persuasive	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Substantive Change	Yes <input type="checkbox"/>	No <input type="checkbox"/>
8	Persuasive	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Substantive Change	Yes <input type="checkbox"/>	No <input type="checkbox"/>
9	Persuasive	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Substantive Change	Yes <input type="checkbox"/>	No <input type="checkbox"/>
10	Persuasive	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Substantive Change	Yes <input type="checkbox"/>	No <input type="checkbox"/>
11	Persuasive	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Substantive Change	Yes <input type="checkbox"/>	No <input type="checkbox"/>
12	Persuasive	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Editorial Change	Yes <input type="checkbox"/>	No <input type="checkbox"/>
18	Persuasive	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Substantive Change	Yes <input type="checkbox"/>	No <input type="checkbox"/>
19	Persuasive	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Substantive Change	Yes <input type="checkbox"/>	No <input type="checkbox"/>
20	Persuasive	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Substantive Change	Yes <input type="checkbox"/>	No <input type="checkbox"/>

ballot continues on following pages

#### RETURN TO:

Richard Wollmershauser  
Hilti, Inc.  
5400 S. 122<sup>nd</sup> East Ave.  
Tulsa, OK 74146  
Fax (918) 252-6347

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Name (typed or printed)

\_\_\_\_\_  
Date

**Ballot Item No. Recommended Vote**

29 Persuasive  
32 Persuasive  
77 Persuasive  
112 Persuasive

**Vote Options**

Yes ☐ No ☐  
Yes ☐ No ☐  
Yes ☐ No ☐  
Yes ☐ No ☐

**Vote Options**

Substantive Change Yes ☐ No ☐  
Substantive Change Yes ☐ No ☐  
Substantive Change Yes ☐ No ☐  
Substantive Change Yes ☐ No ☐

**(B) Items Recommended "Nonpersuasive"**

**Ballot**

Item No.	Recommendation	Vote	Item No.	Recommendation	Vote
1	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>	51	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>
13	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>	52	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>
14	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>	53	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>
15	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>	54	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>
16	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>	55	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>
17	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>	56	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>
21	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>	57	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>
22	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>	58	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>
23	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>	59	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>
24	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>	60	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>
25	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>	61	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>
26	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>	62	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>
27	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>	63	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>
28	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>	64	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>
30	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>	65	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>
31	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>	66	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>
33	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>	67	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>
34	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>	68	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>
35	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>	69	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>
36	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>	70	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>
37	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>	71	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>
38	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>	72	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>
39	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>	73	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>
40	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>	74	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>
41	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>	75	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>
42	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>	76	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>
43	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>	78	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>
44	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>	79	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>
45	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>	80	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>
46	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>	81	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>
47	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>	82	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>
48	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>	83	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>
49	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>	84	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>
50	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>	85	Nonpersuasive	Yes <input type="checkbox"/> No <input type="checkbox"/>

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86	Nonpersuasive	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
87	Nonpersuasive	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
88	Nonpersuasive	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
89	Nonpersuasive	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
90	Nonpersuasive	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
91	Nonpersuasive	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
92	Nonpersuasive	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
93	Nonpersuasive	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
94	Nonpersuasive	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
95	Nonpersuasive	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
96	Nonpersuasive	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
97	Nonpersuasive	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
98	Nonpersuasive	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
99	Nonpersuasive	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
100	Nonpersuasive	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
101	Nonpersuasive	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>

102	Nonpersuasive	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
103	Nonpersuasive	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
104	Nonpersuasive	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
105	Nonpersuasive	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
106	Nonpersuasive	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
107	Nonpersuasive	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
108	Nonpersuasive	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
109	Nonpersuasive	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
110	Nonpersuasive	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
111	Nonpersuasive	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
113	Nonpersuasive	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
114	Nonpersuasive	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
115	Nonpersuasive	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
116	Nonpersuasive	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
117	Nonpersuasive	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>