

ICC 2027 Code Development Update

Code Development Consensus Committee Action

From October 21-29, 2025, in Cleveland, OH, USA, the International Code Council (ICC) conducted the second Committee Action Hearings (CAH#2) for Group B for the development of the 2027 I-Codes. The subject matter most relevant to ACI committee work in Group B included general and structural design and construction requirements in the International Building Code (IBC), and design and construction requirements in the International Residential Code (IRC) and International Existing Building Code (IEBC) as shown in Table 1.

Four hundred code change proposals receiving one or more comments were addressed at the Group B CAH#2. While many code change proposals were monitored for coordination and alignment with ACI committee work, only a few warranted testimony by ACI staff and members.

- The 2027 IBC is expected to reference ICC IS-1150: Standard for 3D Automated Construction Technology for 3D Concrete Walls. Opposition was expressed against modifying the proposal to also permit compliance in

accordance with UL 3401-19: Outline of Investigation for 3D Printed Building Construction. This was consistent with testimony recommended by ACI Committee 564, 3-D Printing with Cementitious Materials, and provided in previous code cycles opposing the addition of UL 3401 to the 2024 IBC and exempting concrete in the 2024 IRC Appendix BM: 3D-Printed Building Construction. The addition of UL 3401 was recommended for disapproval.

- Testimony was provided to support only referring ACI CODE-318: Building Code for Structural Concrete—Code Requirements and Commentary Chapter 26 on Construction Documents and Inspections for specific special inspection and tests provisions in lieu of specific sections within Chapter 26. The International Building Code – Structural Code Committee recommended approval of this proposal intended to minimize need for modifying nearly every edition of the IBC for coordination of tables and sections of the IBC and specific sections and subsections in subsequent editions of ACI CODE-318.
- Criteria adding special inspection for concrete reinforced with glass fiber-reinforced polymer reinforcement and

Table 1:
ICC Code Development Groups

Group A CAH #1 and #2 in 2027, PCH in 2029		Group B CAH #1 and #2 in 2028, PCH in 2029	
Preferred deadline for new standards: January 2, 2027		Preferred deadline for new standards: January 2, 2028	
Deadline to update current references: December 1, 2029		Deadline to update current references: December 1, 2029	
IBC-E	International Building Code – Egress	ADMIN	Administrative
IBC-FS	International Building Code – Fire Safety	IBC-G	International Building Code – General*
IFC	International Fire Code	IBC-S	International Building Code – Structural
IFGC	International Fuel Gas Code	IEBC	International Existing Building Code
IMC	International Mechanical Code	IgCC*	International Green Construction Code
IPC	International Plumbing Code	IPMC	International Property Maintenance Code
IPSDC	International Private Sewage Disposal Code	IRC-B	International Residential Code – Building
IRC-M	International Residential Code – Mechanical	IZC	International Zoning Code
IRC-P	International Residential Code – Plumbing		
ISPSC	International Swimming Pool and Spa Code		
IWUIC	International Wildland-Urban Interface Code		

*Only Chapter 1 Scope and Administration and Informative Appendix M Option for Residential Compliance Using the National Green Building Standard. Technical content of the IgCC is ANSI/ASHRAE/USGBC/IES Standard 189.1 Standard for the Design of High-Performance Green Buildings: Except Low-Rise Residential Buildings

referencing ACI CODE 440.11-22: Building Code Requirements for Structural Concrete Reinforced with Glass Fiber-Reinforced Polymer (GFRP) Bars—Code and Commentary Chapter 26 on Construction Documents and Inspections received no public comment and advanced on the consent agenda.

- A proposal to retain ACI CODE-355.2-22: Post-Installed Mechanical Anchors in Concrete—Qualification Requirements and Commentary and ACI CODE-355.4-19(21): Qualification of Post-Installed Adhesive Anchors in Concrete and Commentary in lieu of the 2024 editions referenced in ACI CODE-318-25 was recommended for disapproval. This avoids provisions in IBC modifying ACI CODE-318, which is developed using a balanced consensus process compliant with ICC Council Policy (CP) 28 on Code Development.
- No public comment was submitted in opposition to adding a specific reference to ACI/PCI CODE-319-25: Structural Precast Concrete—Code Requirements and Commentary and removing provisions in IBC for intermediate precast structural walls. This proposal is on the consent agenda.
- No public comment was submitted in opposition to adding criteria for concrete foundation walls reinforced with GFRP reinforcement in IRC. This proposal is on the consent agenda.

The only code change proposals with significant relevance to ACI committee work in Group A were related to Joint ACI-TMS Committee 216, Fire Resistance and Fire Protection of Structures. These clarifications on the application of ACI/TMS CODE-216.1-14(19): Code Requirements for Determining Fire Resistance of Concrete and Masonry Construction Assemblies are currently on the consent agenda. The proposals assigned to Group A were addressed during the two ICC Committee Action Hearings held in 2024.

The next step in the process is the Public Comment Hearings (PCH) to be held April 19-26, 2026, in Hartford, CT, USA. Public comments on eligible proposals will be heard for both Group A and Group B during the 2026 PCH. Eligible proposals are any proposals receiving public comments during the second committee action hearings for both Groups A, heard in 2024, and B, heard in 2025.

Proposals on the consent agenda and the action recommended during the PCH will be processed during the Online Governmental Consensus Voting (OGCV) period, which typically commences about 3 weeks after the PCH are completed. The posting of all final actions will occur after the OGCV results are certified by the ICC Validation Committee and confirmed by the ICC Board.

References for the 2027 I-Codes—Status

Several ACI standards are in queue to be updated in the 2027 I-Codes. ACI CODE-318-25: Building Code for Structural Concrete—Code Requirements and Commentary and ACI CODE-562-25: Assessment, Repair, and Rehabilitation of Existing Concrete Structures—Code Requirements and Commentary are in print and are slated to be approved on the consent agenda. ACI CODE-318-25 is to be referenced in the 2027 editions of IBC, IRC, and International Swimming Pool and Spa Code (ISPSC). ACI CODE-562-25 is to be referenced in the 2027 IEBC.

ACI SPEC-117-26: Specifications for Tolerances for Concrete Construction and Materials; ACI/TMS CODE-216.1-26: Determining Fire Resistance of Concrete and Masonry Construction Assemblies—Code Requirements and Commentary; and ACI CODE 332-26: Residential Concrete—Code Requirements and Commentary need to be in print prior to December 1, 2026, in order for the references to be updated.

ACI standards referenced in the I-Codes, but not slated to

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be updated in the 2027 editions, are ACI CODE-440.11-22: Building Code Requirements for Structural Concrete Reinforced with Glass Fiber-Reinforced Polymer (GFRP) Bars—Code and Commentary and ACI CODE-550.5-18: Code Requirements for the Design of Precast Concrete Diaphragms for Earthquake Motions and Commentary.

ACI CODE-440.11-22 is to be added as a reference in the 2027 IRC for foundation walls reinforced with GFRP reinforcement. ACI/PCI CODE-319-25: Structural Precast Concrete—Code Requirements and Commentary is in queue to be a new referenced standard in IBC.

References for the 2030 I-Codes—Planning

For the 2030 editions of I-Codes, new standards not previously referenced should be in print by January 2, 2027, for consideration in Group A, and January 2, 2028, for consideration in Group B. ICC I-Codes Development Consensus Committees are reluctant to recommend approval of documents not in their final form prior to the committee action hearings. If at least in public comment form by the code change submittal deadline and in print prior to CAH#2, the committee may recommend approval. While unlikely, there also remains a possibility for approval during the Public Comment Hearings (PCH) if the printed standard is available prior to the PCH. The schedule for the development of the 2030 I-Codes has not yet been released, but the approximate time frame for completion of referenced standards are shown in Table 1. Note, new standards intended to be added as references or existing standards warranting proposals to change language in the I-Codes need to be at least in public review draft prior to the code change submittal deadline in early January of the year assigned to the respective group.

Code provisions addressed in the respective groups are shown in Table 1. Provisions most relevant to ACI committee work in Group A are fire safety (Joint ACI-TMS Committee 216, Fire Resistance and Fire Protection of Structures) and swimming pools and spas (ACI Committee 322, Concrete Pool and Watershape Code). Provisions most relevant to ACI committee work in Group B are design and construction (ACI Committees 318, Structural Concrete Code; 332, Residential Concrete Work; 440, Fiber-Reinforced Polymer Reinforcement; 550, Precast Concrete Structures; 562, Evaluation, Repair and Rehabilitation of Concrete Structures; and Innovation Task Group (ITG) 12, Code Requirements for Construction of Additively Constructed Walls; as well as Joint ACI-ASCC Committee 117, Tolerances; and Joint ACI-PCI Committee 319, Precast Structural Concrete Code).

Code Advocacy

ACI staff are working on the development of proposals to modify the 2030 I-Codes. The process involves more than just the development of specific code language. There is considerable effort required for coordination and collaboration with relevant stakeholders necessary to advance the proposals. Any suggestions from ACI committees or individual members are welcome. The deadline for submitting code change proposals intended to modify the 2030 I-Codes must be submitted by early January 2027 for Group A and early January 2028 for Group B. Coordination often requires review for stakeholder organization committees, some of which only meet twice a year. Thus, preparation of draft proposals needs to start now to foster support and identify potential co-proponents.

Table 2:
Deadlines for reference standards development for the 2030 I-Codes

Type of modification for reference standards	Group A	Group B
Update existing reference standards without changes to language in I-Codes	December 1, 2029	December 1, 2029
Add new reference standards or update existing reference standards with changes to language in I-Codes		
Option 1: Seeking approval at CAH#1—best opportunity for success		
Printed version	January 2, 2027	January 2, 2028
Option 2: Seeking approval at CAH#1—strong possibility for success		
Public review draft*	January 2, 2027	January 2, 2028
Printed version prior to CAH#1	Spring 2027	Spring 2028
Option 3: Seeking approval at CAH#2—good possibility for success		
Public review draft*	January 2, 2027	January 2, 2028
Printed version prior to CAH#2	Fall 2027	Fall 2028
Option 4: Seeking approval at PCH—success unlikely		
Public review draft*	January 2, 2027	January 2, 2028
Printed version prior to PCH	Spring 2029	Spring 2029

*Public review drafts of proposed new reference standards must be available by the code change proposal submittal deadline for options 2, 3, and 4