

4101:1-17-01 Special inspections and tests.

Chapter 17 of the International Building Code, 2021 edition, as incorporated by reference and modified in Section 101.1.1 of this code, is further modified as follows:

(A) Replace Sections 1703 in its entirety with the following:

SECTION 1703

APPROVALS

Refer to section 114.3 Building official approval process.

(B) Replace Section 1704.2 with the following:

1704.2 Special inspections and tests. Where application is made to the building official for construction as specified in Section 105, the owner or the owner's representative, other than the contractor, is to employ one or more *special inspectors* to provide special inspections and tests during construction on the types of work specified in Section 1705 and identify the approved agencies to the building official. These special inspections and tests are in addition to the inspections by the building official that are identified in Section 108.

Exceptions:

1. Special inspections and tests are not required for construction of a minor nature or work utilizing basic design principles and materials.
2. Unless otherwise required by the building official, special inspections and tests are not required for Group U occupancies that are accessory to a residential occupancy including, but not limited to, those listed in Section 312.1.
3. Special inspections and tests are not required for portions of structures designed and constructed in accordance with the cold-formed steel light-frame construction provisions of Section 2211.1.2 or the conventional light-frame construction provisions of Section 2308.
4. Deleted.

(C) Replace Section 1704.2.1 with the following:

1704.2.1 Special inspector qualifications. Prior to the start of the construction, the *special inspectors* are to provide written documentation to the building official demonstrating the competence and relevant experience or training of the special inspectors who will perform the special inspections and tests during construction. Experience or training is considered to be

relevant where the documented experience or training is related in complexity to the same type of special inspection or testing activities for projects of similar complexity and material qualities. These qualifications are in addition to qualifications specified in other sections of this code.

The registered design professionals involved in the design of the project are permitted to act as *special inspectors* and their personnel are permitted to act as special inspectors for the work designed by them, provided they qualify as special inspectors.

(D) Replace Section 1704.2.4 with the following:

1704.2.4 Report requirement. *Special inspectors* are to keep records of special inspections and tests. The *special inspectors* are to submit reports of special inspections and tests to the building official and to the registered design professional in responsible charge. Reports are to indicate that work inspected or tested was or was not completed in conformance to approved construction documents. Discrepancies are to be brought to the immediate attention of the contractor for correction. If they are not corrected, the discrepancies are to be brought to the attention of the building official and to the registered design professional in responsible charge prior to the completion of that phase of the work. A final report documenting required special inspections and tests, and correction of any discrepancies noted in the inspections or tests, is to be submitted at a point in time agreed upon prior to the start of work by the owner or the owner's representative to the building official prior to the issuance of the certificate of occupancy.

(E) Replace Section 1704.2.5.1 with the following:

1704.2.5.1 Fabricator approval. Special inspections during fabrication are not required where the work is done on the premises of a fabricator approved to perform such work without special inspection. Approval is to be based on review of the fabricator's written fabrication procedures and quality control manuals that provide a basis for control of materials and workmanship, with periodic auditing of fabrication and quality control practices by a board recognized industry trade association certification program or a board recognized fabricator inspection agency. Such fabricator inspection agency is to be recognized by the board in accordance with rule 4101:7-6-01 of the Administrative Code. At completion of fabrication, the approved fabricator is to submit a certificate of compliance to the owner or the owner's authorized agent for submittal to the building official as specified in Section 1704.5 stating that the work was performed in accordance with the approved construction documents.

Special inspections required by this code are not required for work done on the premises of a fabricator authorized by the board as an industrialized unit manufacturer pursuant to Section 113.

(F) Replace Section 1704.3 with the following:

1704.3 Statement of special inspections. Where special inspections or tests are required by Section 1705, the applicant is to prepare a statement of special inspections in accordance with Section 1704.3.1 for submittal by the applicant in accordance with Section 1704.2.3.

Exception: The statement of special inspections is permitted to be prepared by a qualified person approved by the building official for construction not designed by a registered design professional if the qualified person provides written documentation to the building official demonstrating his or her competence and relevant experience or training.

(G) Modify Section 1704.6.1, condition #5 to read as follows:

5. Deleted.

(H) Modify row 1 of Table 1705.3 to add standard for GFRP reinforcement to read as follows:

Table 1705.3

Required Special Inspections and Tests of Concrete Construction

<u>TYPE</u>		<u>Continuous Special Inspection</u>	<u>Periodic Special Inspection</u>	<u>Referenced Standard^a</u>	<u>IBC Reference</u>
<u>1. Inspect reinforcement and verify placement</u>					
a. Steel reinforcement including prestressing tendons		=	X	ACI 318: Ch. 20, 25.2, 25.3, 26.6.1- 26.6.3	=
b. GFRP reinforcement bars		=	X	ACI 440.11: Ch. 26	=

The remainder of Table 1705.3 remains unchanged.

~~(H)~~(I) Modify Section 1705.6 to add a new exception that reads as follows:

2. A geotechnical investigation is not required where satisfactory data from adjacent areas is available that demonstrates an investigation is not necessary for any of the conditions in Sections 1803.5.1 through 1803.5.6 and Section 1803.5.10.

~~(H)~~(J) Add new section 1705.21 to read as follows:

1705.21 Medium/high voltage systems. Special inspections are to be conducted for medium and high voltage electrical systems to determine compliance with NFPA 70.