



# **Georgia State Amendments to the Standard Building Code (2000 Edition)**



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**Revised January 1, 2002**

**GEORGIA STATE MINIMUM  
STANDARD BUILDING CODE  
(International Building Code)**

The STANDARD BUILDING CODE (International Building Code), 2000 Edition, published by the Southern Building Code Congress International, Inc., when used in conjunction with these Georgia Amendments, shall constitute the official *Georgia State Minimum Standard Building Code*.

**GEORGIA STATE AMENDMENTS**

**CODE REFERENCE:**

- (a) Change all references from the ICC Electrical Code to the Georgia State Minimum Standard National Electrical Code.
- (b) Change all references from the International Energy Conservation Code to the Georgia State Energy Code for Buildings. The Georgia State Energy Code for Buildings shall be used for efficiency and coefficient of ratings of equipment.

**SCOPE:**

The provisions of the Georgia State Minimum Standard Building Code (International Building Code) shall apply to the construction, alteration, movement, enlargement, replacement, repair, equipment, use and occupancy, location, maintenance, removal and demolition of every building or structure or any appurtenances connected or attached to such buildings or structures.

**Exception:** Detached one- and two-family dwellings and multiple single-family dwellings (townhouses) not more than three stories high with separate means of egress and their accessory structures shall comply with the CABO One and Two Family Dwelling Code (International Residential Code).

**Appendices**

Appendices are not enforceable unless they are specifically referenced in the body of the code or adopted for enforcement in the ordinance of the Authority Having Jurisdiction.

\* *Revise the Standard Building Code (International Building Code) 2000 Edition, as follows:*

**CHAPTER 1  
ADMINISTRATION**

\* Delete Chapter 1 without substitution. Chapter 1 to remain in Code as a *reference and guide* for local governments in development of their own *Administrative Procedures*. (Effective January 1, 2002)

**CHAPTER 2  
DEFINITIONS**

**SECTION 201  
GENERAL**

\* Revise Section 201.1 to add the following:

**201.1 Scope.** The State's minimum requirements for definitions shall be established by the Georgia State Minimum Standard Building Code with the exception of those definitions established by the Rules and Regulations of the Safety Fire Commissioner and with the exception of the definitions of occupancies and their classification. Where any definitions are not specifically addressed by the Georgia State Minimum Standard Building Code and those same definitions are specifically addressed by the Life Safety Code or Georgia State Minimum Standard Fire Prevention Code, then the Life Safety Code or Standard Fire Prevention Code shall be used as a supplement. (Effective January 1, 2002)

**CHAPTER 3  
USE AND OCCUPANCY CLASSIFICATION**

**SECTION 301  
GENERAL**

\* Revise Section 301.1 to add the following:

**301.1 Scope.** The State's minimum requirements for occupancy classifications or sub-classifications including the definitions thereof shall be established by the Life Safety Code. Occupancy classifications or sub-classifications including the definitions thereof not specifically addressed by the Life Safety Code and which are addressed by the Georgia State Minimum Standard Building Code or the Georgia State Minimum Standard Fire Prevention Code, the Building Code or the Fire Prevention Code shall be used as a supplement. (Effective January 1, 2002)

**CHAPTER 4  
SPECIAL DETAILED REQUIREMENTS  
BASED ON USE AND OCCUPANCY**

**SECTION 401  
SCOPE**

\* Revise Section 401.1 to add the following:

**401.1 Detailed use and occupancy requirements.** The State's minimum requirements for occupancy classifications or sub-classifications including the definitions thereof shall be established by the Life Safety Code. Occupancy classifications or sub-classifications including the definitions thereof not specifically addressed by the Life Safety Code and which are addressed by the Georgia State Minimum Standard Building Code or the Georgia State Minimum Standard Fire Prevention Code, the Building Code or the Fire Prevention Code shall be used as a supplement. (Effective January 1, 2002)

**CHAPTER 5  
GENERAL BUILDING HEIGHTS AND AREAS**

**SECTION 506  
AREA MODIFICATIONS**

\* Delete **Section 506.1.1 Basements** entirely without substitution.  
{Refer to Section 503.1.1 for the requirements for basements} (Effective January 1, 2002)

**CHAPTER 6  
TYPES OF CONSTRUCTION**

**SECTION 601  
GENERAL**

\* Revise Section 601 .1 to add the following:

**601.1 Scope.** The State's minimum requirements for building construction types shall be established by the Georgia State Minimum Standard Building Code including allowable height and building areas and requirements for sprinkler protection related to minimum building construction types. Areas not specifically addressed by the Georgia State Minimum Standard Building Code and which are addressed by the Life Safety Code, the Life Safety Code shall be used as a supplement.

*Exception:* Health care, nursing care, ambulatory health care and detention occupancies shall comply with the minimum construction requirements of the Life Safety Code and the Georgia State Minimum Standard Building Code. (Effective January 1, 2002)

**CHAPTER 7  
FIRE-RESISTANCE-RATED CONSTRUCTION**

**SECTION 703  
FIRE-RESISTANCE RATINGS AND FIRE TESTS**

\* Add Section 703.5 to read as follows:

**703.5 Fire wall and smoke barrier identification.** All walls as described in Sections 705 through 709 shall be identified with signs or stenciling with suggested wording:

“Fire and Smoke Barrier - Protect All Openings”.

Exception: Existing stenciling acceptable to the Authority Having Jurisdiction.  
(Effective January 1, 2002)

**SECTION 705  
FIRE WALLS**

\* Revise Section 705.3 to read as follows:

**705.3 Materials.** Delete Exception: Buildings of Type V Construction.  
(Effective January 1, 2002)

**SECTION 707  
SHAFT AND VERTICAL EXIT ENCLOSURES**

\* Add Section 707.1.1 to read as follows:

**707.1.1 Protection of vertical openings.** The State’s minimum requirements for protection of vertical openings shall be established by the Life Safety Code. Areas not specifically addressed by the Life Safety Code and which are addressed by the Georgia State Minimum Standard Building Code, the Building Code shall be used as a supplement. (Effective January 1, 2002)

\* Revise Section 707.14.1 to read as follows:

**707.14.1 Elevator lobby.** Delete Exception 1 in Section 707.14.1 without substitution and renumber remaining exceptions. (Effective January 1, 2002)

**CHAPTER 8  
INTERIOR FINISHES**

**SECTION 801  
GENERAL**

\* Revise Section 801.1 to add the following:

**801.1 Scope.** The State's minimum requirements for interior finishes shall be established by the Life Safety Code. Areas not specifically addressed by the Life Safety Code and which are addressed by the Georgia State Minimum Standard Building Code, the Building Code shall be used as a supplement. (Effective January 1, 2002)

**CHAPTER 9  
FIRE PROTECTION SYSTEMS**

**[F] SECTION 903  
AUTOMATIC SPRINKLER SYSTEMS**

\* Revise Section 903.1 to add the following:

**903.1 General.** The State's minimum requirements for automatic fire sprinkler systems shall be established by the Life Safety Code. Areas not specifically addressed by the Life Safety Code and which are addressed by the Georgia State Minimum Standard Building Code, the Building Code shall be used as a supplement.

Exception: Fire sprinkler systems required by minimum construction requirements shall be established by the Georgia State Minimum Standard Building Code.  
(Effective January 1, 2002)

**[F] SECTION 905  
STANDPIPE SYSTEM**

\* Revise Section 905.1 to add the following:

**905.1 General.** The State's minimum requirements for standpipes shall be established by the Georgia State Minimum Standard Building Code. Areas not specifically addressed by the Building Code and which are addressed by the Life Safety Code or the Georgia State Minimum Standard Fire Prevention Code, the Life Safety Code or the Fire Prevention Code shall be used as a supplement. The requirements for occupant hoses may be eliminated in new and existing buildings subject to the approval of the Authority Having Jurisdiction. (Effective January 1, 2002)

**[F] SECTION 907  
FIRE ALARM AND DETECTION SYSTEMS**

\* Revise Section 907.1 to add the following:

**907.1 General.** The State's minimum requirements for fire alarm and detection systems shall be established by the Life Safety Code. Areas not specifically addressed by the Life Safety Code and which are addressed by the Georgia State Minimum Standard Building Code or the Georgia State Minimum Standard Fire Prevention Code, the Building Code or the Fire Prevention Code shall be used as a supplement. (Effective January 1, 2002)

\* Revise Section 907.2.10.1.1 Notes 1 and 2 to read as follows:

**907.2.10.1.1 Group R-1.**

1. In all interior corridors, halls and basements not more than 30 feet (9.2 m) apart or more than 15 feet (4.6 m) from any wall, where there are no interior halls or corridors, the detectors shall be installed in each sleeping room.
2. In each room in the path of the means of egress from the sleeping area to the door leading from the guest room or suite, a smoke detector shall be mounted on the ceiling or wall at a point centrally located in the corridor or area giving access to each group of rooms used for sleeping purposes. (Effective January 1, 2002)

{Cross reference in State law: Title 25, Chapter 2 of Official Code of Georgia Annotated (O.C.G.A.) and the Rules of the Georgia Safety Fire Commissioner}

\* Revise Section 907.2.10.1.2 Note 2 to read as follows:

**907.2.10.1.2 Groups R-2, R-3, R-4 and I-1.**

2. In each room used for sleeping purposes except for in Group R-2 dwellings and dwelling units, a smoke detector shall be mounted on the ceiling or wall at a point centrally located in the corridor or area giving access to each group of rooms used for sleeping purposes. (Effective January 1, 2002)

{Cross reference in State law: Title 25, Chapter 2 of Official Code of Georgia Annotated (O.C.G.A.) and the Rules of the Georgia Safety Fire Commissioner}

\* Revise Section 907.2.10.2 first sentence to read as follows:

**907.2.10.2 Power Source.**

In new construction, required smoke alarms shall receive their primary power from the building wiring where such wiring is served from a commercial source and shall be equipped with a one and one-half hour emergency battery back-up power supply source. (Effective January 1, 2002)

{Cross reference in State law: Title 25, Chapter 2 of Official Code of Georgia Annotated (O.C.G.A.) and the Rules of the Georgia Safety Fire Commissioner}

**CHAPTER 10  
MEANS OF EGRESS**

**SECTION 1001  
ADMINISTRATION**

\* Revise Section 1001.1 to add the following:

**1001.1 General.** The State's minimum requirements for means of egress and all components thereof, shall be established by the Life Safety Code. Areas not specifically addressed by the Life Safety Code and which are addressed by the Georgia State Minimum Standard Building Code, the Building Code shall be used as a supplement. The Life Safety Code shall establish the requirement for a smoke proof enclosure of each exit from high-rise buildings.

**Exceptions:**

1. The State's minimum construction requirements for smoke proof enclosures shall be established by the Georgia State Minimum Standard Building Code.  
(Effective January 1, 2002)

**CHAPTER 11  
ACCESSIBILITY**

\* Delete Chapter 11 Accessibility entirely without substitution. (Effective January 1, 2002)

{Cross-reference in State law: Title 30, Chapter 3 of the Official Code of Georgia Annotated (O.C.G.A) and the Rules of the Georgia Safety Fire Commissioner.}



**CHAPTER 13  
ENERGY CONSERVATION**

\* Delete Chapter 13 Energy Conservation entirely without substitution. (Effective January 1, 2002)

{Cross-reference in State law: Title 8, Chapter 2 of the Official Code of Georgia Annotated (O.C.G.A) State's minimum standards for energy conservation for building as required by the Georgia State Energy Code for Buildings.}

**CHAPTER 14  
EXTERIOR WALLS**

**SECTION 1404  
MATERIALS**

\* Add Section 1404.10 to read as follows:

**1404.10 Materials.** Cellulose fiber-reinforced cement building boards shall conform to the requirements of ASTM E-84. (Effective January 1, 2002)

**SECTION 1405  
INSTALLATION OF WALL COVERINGS**

\* Add Sections 1405.16 and 1405.17 to read as follows:

**1405.16 Installation of wall coverings.** Installation of Exterior Insulation and Finish Systems (EIFS) Class PB shall comply with ASTM PS 49, Standard Practice for Application of Class PB Exterior Insulation and Finish Systems. Where there is a conflict between ASTM PS 49 and other provisions of the code, the more restrictive shall apply. See Section 1704.12. (Effective January 1, 2002)

**1405.17 Installation of wall coverings.** Clearance between wall cladding, except masonry veneer, shall be at least 6 inches (152 mm) and a 2 inch (51mm) clear inspection space above paved areas must be visible below cladding down to the final grade of the top of the soil which is immediately adjacent to the structure. (Effective January 1, 2002)

**CHAPTER 15**  
**ROOF ASSEMBLIES AND ROOFTOP STRUCTURES**

**SECTION 1507**  
**REQUIREMENTS FOR ROOF COVERINGS**

\* Revise Section 1507.4.4 to add a new item number 4 that read as follows:

**1507.4.4 Attachment.**

4. Aluminum fasteners shall be used for aluminum roofing.  
(Effective January 1, 2002)

**CHAPTER 16**  
**STRUCTURAL DESIGN**

**SECTION 1602**  
**DEFINITIONS**

\* Revise Section 1602.1 to add a new definition as follows:

**1602.1 Definitions.**

**DEAD LOADS.** The weight of materials of construction incorporated into the building, including but not limited to foundations, walls, floors, roofs, ceilings, stairways, built-in partitions, finishes, cladding, and other similarly incorporated architectural and structural items, and fixed service equipment, including the weight of cranes. (Effective January 1, 2002)

**SECTION 1603**  
**CONSTRUCTION DOCUMENTS**

\* Revise Section 1603.1.5 to add item number 7 read as follows:

**1603.1.5 Earthquake design data.**

7. Seismic design category. (Effective January 1, 2002)

\* Revise Section 1603.3 to read as follows:

**1603.3 Live loads posted.** Where the live loads for which each floor or portion thereof of a commercial or industrial building is or has been designed to exceed 100 pounds per square foot (2.40 kN/m<sup>2</sup>), such design live load shall be conspicuously posted by the owner in that part of each story in which they apply, using durable signs. It shall be unlawful to remove or deface such notices. (Effective January 1, 2002)

**SECTION 1604  
GENERAL DESIGN REQUIREMENTS**

\* Revise Section 1604.4 fifth paragraph to read as follows:

**1604.4 Analysis.**

Every structure shall be designed to resist the overturning effects caused by lateral forces specified in this chapter. See Sections 1617.4.5 or 1618 for earthquake forces, Section 1609.1.3 for wind forces and Section 1610 for lateral soil loads. See Section 1801.2.1 for foundation design for seismic overturning. (Effective January 1, 2002)

**SECTION 1606  
DEAD LOADS**

\* Add Section 1606.3 to read as follows:

**1606.3 Distribution of floor loads.** Where uniform floor live loads are involved in the design of structural members arranged so as to create continuity, the minimum applied loads shall be the full dead loads on all spans in combination with the floor live load on adjacent spans and on alternate spans. Live loads may be reduced in accordance with Section 1607.9. (Effective January 1, 2002)

**SECTION 1607  
LIVE LOADS**

**TABLE 1607.1  
MINIMUM UNIFORMLY DISTRIBUTED LIVE LOADS AND MINIMUM  
CONCENTRATED LIVE LOADS**

\* Revise Table 1607.1 to read as follows:

Item 6. Decks: add “Not less than 60 psf”.

Item 27. Residential: add “Corridors 80 psf” and “Balconies 60 psf”.

(Effective January 1, 2002)

\* Revise Section 1607.11.1 to read as follows:

**1607.11.1 Distribution of roof loads.** Where uniform roof live loads are involved in the design of structural members arranged so as to create continuity, the minimum applied loads shall be the dead loads on all spans in combination with live loads on adjacent spans and on alternate spans. See Section 1608.5 for partial snow loading. Roof live loads may be reduced in accordance with Section 1606.11.2 (Effective January 1, 2002)

\* Revise Section 1607.13 to read as follows:

**1607.13 Interior walls and partitions.** Interior walls and partitions that exceed 6 feet (1829 mm) in height, including their finish materials, shall resist the loads to which they are subjected but not less than a horizontal load of 5 pounds per square foot (0.240 kN/m<sup>2</sup>).  
(Effective January 1, 2002)

## **SECTION 1609 WIND LOADS**

\* Revise Section 1609.1.3 second sentence to read as follows:

**1609.1.3 Anchorage against overturning, uplift and sliding.** Where a portion of the resistance to these forces is provided by dead load, including the weight of soils and foundations, the dead load shall be taken as the minimum dead load likely to be in place during a design wind event.  
(Effective January 1, 2002)

\* Revise Section 1609.2 to add a new item number 8 to read as follows:

### **1609.2 Definitions.**

#### **BUILDING, SIMPLE DIAPHRAGM.**

8. Wind loads are transmitted through a vertically spanning wall system, separate from the main wind force-resisting system, to the floor and roof diaphragms. (Effective January 1, 2002)

## **SECTION 1620 EARTHQUAKE LOADS-DESIGN, DETAILING REQUIREMENTS AND STRUCTURAL COMPONENT LOAD EFFECTS**

\* Revise Section 1620.1.6 to read as follows:

**1620.1.6 Collector elements. Exception:** In structures or portions thereof braced entirely by light frame shear walls, collector elements, splices and connections to resisting elements need to be designed to resist forces in accordance with load combinations of Sections 1605.2 or 1605.3.  
(Effective January 1, 2002)

**CHAPTER 17**  
**STRUCTURAL TEST AND SPECIAL INSPECTIONS**

**SECTION 1701**  
**GENERAL**

\* Revise Section 1701.1 to read as follows:

**1701.1 Scope.** The provisions of this chapter shall ensure the quality, workmanship and requirements for materials covered. Materials of construction and tests shall conform to the applicable standards listed in this code. (Effective January 1, 2002)

\* Revise Section 1702.1 to read as follows:

**1701.2 New materials.** New building materials, equipment, systems or method of construction not provided for in this code, and any material of questioned suitability proposed for use in the construction of a building or structure, shall be subjected to the tests prescribed in this chapter and in the approved rules to determine character, quality and limitations of use by the Authority Having Jurisdiction. (Effective January 1, 2002)

**SECTION 1702**  
**DEFINITIONS**

\* Revise Section 1702 definitions to read as follows:

**1702.1 General.**

**APPROVED AGENCY.** An established and recognized agency regularly engaged in conducting test or furnishing inspection services, when such agency has been approved by the Authority Having Jurisdiction. (Effective January 1, 2002)

**CERTIFICATE OF COMPLIANCE.** A certificate stating that materials and products meet specified standards or that work was done in compliance with approved construction documents by the supplier of the products. (Effective January 1, 2002)

**SECTION 1703**  
**APPROVALS**

\* Revise Section 1703.1.3 to read as follows:

**1703.1.3 Personnel.** An approved agency shall employ experienced personnel educated in conducting, supervising and evaluating tests and/or inspections specifically for materials. (Effective January 1, 2002)

\* Revise Section 1703.2 to read as follows:

**1703.2 Written approval.** Any material, equipment, system or method of construction meeting the requirements of this code and requiring inspection and tests per this code, shall be approved in writing after satisfactory completion of the required test and submission of required test reports. (Effective January 1, 2002)

\* Revise Section 1703.3 to read as follows:

**1703.3 Approved record.** For any material, equipment, system or method of construction that has been approved, a record of such approval, including the conditions and limitations of the approval, shall be kept on file in the building official’s office and shall be open to public inspection at appropriate times. (Effective January 1, 2002)

\* Revise Section 1703.7 title name to read as follows:

**1703.7 Evaluation and follow-up inspection services of “fabricated assemblies”.**  
Remainder of section to remain unchanged. (Effective January 1, 2002)

**SECTION 1704  
SPECIAL INSPECTIONS**

**TABLE 1704.3  
REQUIRED VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION**

\* Revise Table 1704.3, item number 2 to read as follows:

Verification and Inspection	Continuous	Periodic	Referenced Standard <sup>a</sup>	IBC Reference
2. Inspection of high-strength bolting:			RCSC	1704.3.3
a. Snug-tightened joints		X		
b. Pre-tensioned or Slip-Critical Joints				
1) Turn-of-nut with match marking		X		
2) Direct tension indicator		X		
3) Twist-off bolt		X		
4) Turn-of-nut without match marking	X			
5) Calibrated Wrench	X			
(Effective January 1, 2002)				

\* Revise Section 1704.3.3 to read as follows:

**1704.3.3 High-strength bolts.** Installation of high-strength bolts shall be periodically inspected in accordance with RCSC specifications. (Effective January 1, 2002)

\* Revise Section 1704.3.3.1 to read as follows:

**1704.3.3.1 General.** Alternative-design fastener inspection shall be in accordance with instructions provided by the manufacturer and approved by the building official. (Effective January 1, 2002)

\* Revise Section 1704.3.3.2 to read as follows:

**1704.3.3.2 Periodic monitoring.** Monitoring of bolt installation for pre-tensioning is permitted to be performed on a periodic basis when using the turn-of-nut method with match marking techniques, the direct tension indicator method, or the twist-off bolt method. Joints designed as snug tight need be inspected only on a periodic basis. (Effective January 1, 2002)

\* Revise Section 1704.8 to add a new sentence at the end that reads as follows:

**1704.8 Pile foundations.** “See Section 1807 of this code.” (Effective January 1, 2002)

## **SECTION 1705 QUALITY ASSURANCE FOR SEISMIC RESISTANCE**

\* Revise Section 1705.1 to read as follows:

**1705.1 Scope.** Add at the end of item number 2: “See Sections 1612 and 1615 of this code.” (Effective January 1, 2002)

\* Revise Section 1705.2 first sentence to read as follows:

**1705.2 Quality assurance plan preparation.** The design of each designated seismic system shall include a quality assurance plan, prepared by a registered design professional in responsible charge. (Effective January 1, 2002)

## **SECTION 1706 QUALITY ASSURANCE FOR WIND REQUIREMENTS**

\* Revise Section 1706.2 first sentence to read as follows:

**1706.2 Quality assurance plan preparation.** The design of each main wind-force-resisting system and each wind-resisting component shall include a quality assurance plan prepared by a registered design professional in responsible charge. (Effective January 1, 2002)

**CHAPTER 18  
SOILS AND FOUNDATIONS**

**SECTION 1802  
FOUNDATION AND SOILS INVESTIGATIONS**

\* Revise Section 1802.1 to read as follows:

**1802.2 General.** Delete exception without substitution. (Effective January 1, 2002)

**SECTION 1803  
EXCAVATION, GRADING AND FILL**

\* Revise Section 1803.2 to read as follows:

**1803.2 Placement of backfill.** Revise the second paragraph to read as follows: The backfill shall be placed in lifts not to exceed 12 inches (305mm) and compacted in a manner that does not damage the foundation, waterproofing, damp proofing material or interior and exterior finishes. (Effective January 1, 2002)

\* Add Sections 1803.5, 1803.5.1 and 1803.5.2 to read as follows:

**1803.5 Support of adjoining buildings and structures. Notice to adjoining structures.** Notice to the owner of adjoining buildings or structures shall be served in writing by the one causing the excavation to be made at least ten days before an excavation is commenced. The notice shall state the depth and location of the proposed excavation. (Effective January 1, 2002)

**1803.5.1 Excavation 10 ft (3048 mm) or less.** When an excavation extends not more than 10 ft (3048 mm) below the established curb grade nearest the point of excavation under consideration, the owner of the adjoining structure or building shall be afforded the necessary license to enter the premises where the excavation is to be made, and at his own expense, shall provide the necessary underpinning or protection. (Effective January 1, 2002)

**1803.5.2 Excavation greater than 10 ft (3048 mm).** When an excavation extends more than 10 ft (3048 mm) below the established curb grade nearest the point of excavation under consideration, the one causing the excavation to be made, if given the necessary license to enter the adjoining premises, shall provide at his own expense one of the following:

1. Underpinning and protection required by that part of the excavation which extends to a depth greater than 10 ft (3048 mm) below the established curb grade nearest the point of excavation under consideration, whether or not the existing footings or foundations extend to the depth of 10 ft (3048 mm) or more below curb grade, or,
2. Shoring and bracing of the sides of the excavation required to prevent any soil movement into the excavation. If permanent lateral support is provided, the method used must satisfy requirements of the building official. (Effective January 1, 2002)



**SECTION 1805**  
**FOOTINGS AND FOUNDATIONS**

\* Revise Section 1805.2.1 to read as follows:

**1805.2.1 Frost protection.** Except where erected on solid rock or otherwise protected from frost, foundation walls, piers and other permanent supports of buildings and structures that either exceed 400 square feet (37 m<sup>2</sup>) in area or 10 feet (3048 mm) in height shall extend below the frost line of the locality, and spread footings of adequate size shall be provided where necessary to properly distribute the load within the allowable load-bearing value of the soil. (Effective January 1, 2002)

\* Revise Section 1805.5.6 item number 3.1 to read as follows:

**1805.5.6 Pier and curtain wall foundations.**

3.1 The unsupported height of the masonry piers shall not exceed 10 times their least dimension for solid masonry piers. (Effective January 1, 2002)

**SECTION 1806**  
**DAMPPROOFING AND WATERPROOFING**

\* Revise Section 1806.1 first sentence of second paragraph to read as follows:

**1806.1 Where required.** Ventilation for crawl spaces shall comply with Section 1202.3. (Effective January 1, 2002)

**SECTION 1807**  
**PIER AND PILE FOUNDATIONS**

\* Revise Section 1807.1 to read as follows:

**1807.1 Definitions.**

**PIER FOUNDATIONS.** Change the number 12 to the number 10 in the definition for pier foundations. (Effective January 1, 2002)

**SECTION 1811**  
**PIER FOUNDATIONS**

\* Revise Section 1811.2 first sentence to read as follows:

**1811.2 Lateral dimensions and height.** The minimum horizontal dimension of isolated piers used as foundations shall be 16 inches (406 mm), and the height shall not exceed 10 times the least horizontal dimension. (Effective January 1, 2002)

**CHAPTER 19  
CONCRETE**

**SECTION 1901  
GENERAL**

\* Revise Section 1901.1 to read as follows:

**1901.1 Scope.** The provisions of this chapter shall govern the materials, design and construction of concrete used in structures. (Effective January 1, 2002)

\* Revise Section 1901.4 item number 10 to read as follows:

**1901.4 Construction documents.**

10. Stressing sequence for post-tensioning tendons for members where the stressing sequence is necessary to properly erect an unconventional structure. (Effective January 1, 2002)

**SECTION 1905  
CONCRETE QUALITY, MIXING AND PLACING**

\* Revise Section 1905.6.1 to read as follows:

**1905.6.1 Qualified technicians.** Add the words “from an approved agency” after the word “technicians” in two places in this paragraph. (Effective January 1, 2002)

**SECTION 1906  
FORMWORK, EMBEDDED PIPES AND  
CONSTRUCTION JOINTS**

\* Revise Section 1906.4.4 to read as follows:

**1906.4.4 Location in slabs, beams and girders.** Construction joints in floors shall be located within the middle third of spans of slabs, beams and girders or as shown on the approved construction documents. Joints in girders shall be offset a minimum distance of two times the width of intersecting beams. (Effective January 1, 2002)

**SECTION 1910  
SEISMIC DESIGN PROVISIONS**

\* Revise Section 1910.4.3 to read as follows:

**1910.4.3 Anchor bolts in the tops of columns.** Add the words “or pedestals” after the word “columns” in both places in this section. (Effective January 1, 2002)

**CHAPTER 21  
MASONRY**

**SECTION 2102  
DEFINITIONS AND NOTATIONS**

\* Revise Section 2102.1 existing definitions to read as follows:

**2102.1 General.**

**COLUMN MASONRY** – add at the end: See Section 1805.5.6. (Effective January 1, 2002)

**MASONRY** – add at the beginning: A built-up construction or combination of building units or materials of clay, shale, concrete, glass, gypsum, stone or other approved units bonded together with mortar, grout or other accepted method of joining. Remainder of definition unchanged. (Effective January 1, 2002)

\* Revise Section 2102.1 to add the following new definitions:

**2102.1 General.**

**FILLED CELL MASONRY** – That form of solid masonry in which the aligned, unobstructed vertical cells of hollow units are filled with grout. (Effective January 1, 2002)

**GROUTED MASONRY** – That form of solid masonry in which the interior vertical spaces are filled with grout, except that cores of solid masonry units and end spaces of stretcher units need not be grouted. (Effective January 1, 2002)

**SECTION 2104  
CONSTRUCTION**

\* Revise Section 2104.2 to add a new sentence at the end to read as follows:

**2104.2 Corbeled masonry.** Solid masonry units shall be used for corbeling. (Effective January 1, 2002)

**SECTION 2109  
EMPIRICAL DESIGN OF MASONRY**

\* Revise Section 2109.6.3.2 second sentence to read as follows:

**2109.6.3.2 Bonding with prefabricated joint reinforcement.** The vertical spacing of the joint reinforcing shall not exceed 16 inches (406 mm). (Effective January 1, 2002)

**SECTION 2111  
MASONRY FIREPLACES**

\* Revise Section 2111.5 fourth sentence to read as follows:

**2111.5 Fireplace walls.** When no lining is provided the total minimum thickness of back and side walls shall be 12 inches (305mm) of solid masonry. (Effective January 1, 2002)

**CHAPTER 22  
STEEL**

**SECTION 2209  
BOLTING**

\* Revise Section 2209.1 to read as follows:

**2209.1 General.** The design, installation and inspection of bolts shall be in accordance with the requirements of the specifications listed in Sections 2204, 2205 and RCSC. Special inspections of the installation of high strength bolts shall be provided where required by Section 1704 and RCSC specifications. (Effective January 1, 2002)

**CHAPTER 23  
WOOD**

**SECTION 2303  
MINIMUM STANDARDS AND QUALITY**

\* Revise Section 2303.1.1 last sentence of second paragraph to read as follows

**2303.1.1 Lumber.** Approved end-jointed lumber is permitted to be used interchangeably with solid-sawn members of the same species and grade as per manufacturer's specifications. (Effective January 1, 2002)

**SECTION 2304  
GENERAL CONSTRUCTION  
REQUIREMENTS**

\* Revise Section 2304.9.2 to read as follows:

**2304.9.2 Sheathing fasteners.** Sheathing nails or other approved sheathing connectors shall be driven so that their head or crown is flush with the surface of the sheathing or according to manufacturer's specifications. (Effective January 1, 2002)

**SECTION 2308  
CONVENTIONAL LIGHT-FRAME CONSTRUCTION**

\* Revise Section 2308.9.2.1 last sentence to read as follows:

**2308.9.2.1 Top Plates.** Change 48 inches (1219 mm) to 24 inches (610 mm), and change eight 16d to two 16d. (Effective January 1, 2002)

**CHAPTER 29  
PLUMBING SYSTEMS**

**SECTION 2902.1  
MINIMUM NUMBER OF FIXTURES**

\* Revise Section 2902.1 second sentence to read as follows:

**Section 2902.1.** The number of occupants shall be determined by Chapter 10 of this code. (Effective January 1, 2002)

**TABLE 2902.1  
MINIMUM NUMBER OF PLUMBING FACILITIES.**

\* Revise Table 2902.1 to delete the requirements for “service sinks” without substitution. (Effective January 1, 2002)

**CHAPTER 30  
ELEVATORS AND CONVEYING SYSTEMS**

**SECTION 3002  
HOISTWAY ENCLOSURES**

\* Revise Section 3002.6 to read as follows:

**3002.6 Prohibited doors.** Doors other than hoistway doors and the elevator car door shall be prohibited at the point of access to an elevator car. (Effective January 1, 2002)

**SECTION 3006  
MACHINE ROOMS**

\* Revise Sections 3006.1, 3006.4, and 3006.5 to read as follows:

**3006.1 Access.** Add sentence at the end “The means of access shall not be through restrooms, dressing rooms or tenant spaces.” (Effective January 1, 2002)

**3006.4 Machine rooms and machinery spaces.** Elevator machine rooms and machinery spaces shall be separated from the building with construction having a fire-resistance rating not less than the required rating of the hoistway enclosure served by the machinery. Openings shall be protected with assemblies having a fire-resistance rating not less than 2 hours. (Effective January 1, 2002)

**3006.5 Shunt trip.** Add new sentence after second sentence, “If the means is located in the affected elevator machine room, it shall be in a water resistant enclosure”. Add new sentence at end of paragraph, “Machine rooms having a two hour fire separation from the building are not required to be sprinklered.” (Effective January 1, 2002)

**CHAPTER 33  
SAFEGUARDS DURING CONSTRUCTION**

**SECTION 3305  
SANITARY**

\* Revise Section 3305.1 to read as follows.

**3305.1 Facilities required.** Sanitary facilities shall be provided during construction, remodeling or demolition activities. (Effective January 1, 2002)

**CHAPTER 34  
EXISTING STRUCTURES**

**SECTION 3401  
GENERAL**

\* Revise Section 3401.1 to add the following:

**3401.1 Scope.** The State’s minimum requirements for existing buildings shall be established by the Life Safety Code. Areas not specifically addressed by the Life Safety Code and which are addressed by the Georgia State Minimum Standard Building Code, the building Code shall be used as a supplement. (Effective January 1, 2002)

**SECTION 3402**  
**ADDITIONS, ALTERATIONS OR REPAIRS**

\* Revise Section 3402.1 to add the following at the end of the paragraph:

**3402.1 Existing building or structures.** The extent to which the existing system shall be made to conform to the requirements of the State Minimum Standard Codes for new construction shall be as follows unless otherwise required by this Section:

1. When the estimated cost of the new work is less than fifty percent (50%) of the replacement cost of the existing system, the new work shall be brought in to conformance with the requirements of the State Minimum Standard Codes for new construction.
2. When the estimated cost of the new work is equal to or greater than fifty percent (50%) of the replacement cost of the existing system, the entire system shall be made to conform to the requirements of the State Minimum Standard Codes for new construction.
3. For essential service facilities Seismic Use Group III type buildings as defined by Section 1616.2.3, when the estimated cost of the new work is equal to or greater than thirty percent (30%) of the replacement cost of the existing system, the entire system shall be made to conform to the requirements of the State Minimum Standard Codes for new construction.

Existing exception to remain as written. (Effective January 1, 2001)

\* Delete Section 3402.2 and substitute the following:

**3402.2 Structural.** Additions or alterations to an existing structure shall not increase the force in any structural element by more than 5 percent nor decrease the force in any structural element by more than 5 percent cumulative since the original construction.

**Exception:** The element has the capacity to resist the force in accordance with this code for new structures.

Where repairs are made to structural elements of an existing building, and uncovered structural elements are found to be unsound or otherwise structurally deficient, such elements shall be made to conform to the requirements for new structures.

**Exception:** Identical like kind element replacement/repair is allowable to restore the system to original integrity.

**SECTION 3409**  
**COMPLIANCE ALTERNATIVES**

\* Delete Section 3409 entirely without substitution. (Effective January 1, 2002)

**CHAPTER 35**  
**REFERENCED STANDARDS**

\* Add a new reference to Chapter 35 to read as follows:

**RCSC**

Research Council on Structural Connections  
c/o American Institute of Steel Construction  
One East Wacker Drive, Suite 3100,  
Chicago, Illinois 60601-2001

Standard reference number	Title	Referenced in code section number
RCSC-2000	Specification for Structural Joints Using ASTM A325 or A490 Bolts.....	1704.3.3, Table 1704

(Effective January 1, 2002)

**End of amendments.**





# **Georgia State Amendments to the Standard Building Code**

**(2000 Edition)**



**Georgia Department of Community Affairs  
Office of Coordinated Planning  
60 Executive Park South, N.E.  
Atlanta, Georgia 30329-2231  
(404) 679-3118  
[www.dca.state.ga.us](http://www.dca.state.ga.us)**

**Revised January 1, 2003**

**GEORGIA STATE MINIMUM  
STANDARD BUILDING CODE  
(INTERNATIONAL BUILDING CODE)**

The STANDARD BUILDING CODE (International Building Code), 2000 Edition, published by the Southern Building Code Congress International, Inc., when used in conjunction with these Georgia Amendments, shall constitute the official *Georgia State Minimum Standard Building Code*.

**THESE AMENDMENTS ARE TO BE USED IN ADDITION TO THOSE AMENDMENTS ADOPTED EFFECTIVE JANUARY 1, 2002. WHEN USED TOGETHER, THEY CONSTITUTE THE OFFICIAL GEORGIA STATE MINIMUM STANDARD BUILDING CODE.**

**GEORGIA STATE AMENDMENTS**

**CODE REFERENCE:**

- (a) Change all references from the ICC Electrical Code to the Georgia State Minimum Standard National Electrical Code respectively.
- (b) Change all references from the International Energy Conservation Code to the Georgia State Energy Code for Buildings. The Georgia State Energy Code for Buildings shall be used for efficiency and coefficient of ratings of equipment.

**SCOPE:**

The provisions of the Georgia State Minimum Standard Building Code (International Building Code) shall apply to the construction, alteration, movement, enlargement, replacement, repair, equipment, use and occupancy, location, maintenance, removal and demolition of every building or structure or any appurtenances connected or attached to such buildings or structures.

Exception: Detached one and two family dwellings and multiple single-family dwellings (townhouses) not more than three stories high with separate means of egress and their accessory structures shall comply with the CABO One and Two Family Dwelling Code (International Residential Code).

**Appendices**

Appendices are not enforceable unless they are specifically referenced in the body of the code or adopted for enforcement in the ordinance of the authority having jurisdiction.

*\*Revise the Standard Building Code (International Building Code), 2000 Edition, as follows:*

**CHAPTER 23  
WOOD**

**SECTION 2308  
CONVENTIONAL LIGHT-FRAME CONSTRUCTION**

\*Revise Section 2308.11.2 to add the following exceptions:

**Section 2308.11.2 Concrete or masonry.** Concrete or masonry walls, or masonry veneer shall not extend above the basement.

**Exceptions:**

3. Masonry veneer is permitted to be used in the first two stories above grade in Seismic Design Categories B or C provided the following criteria are met:
  - 3.1. "Type of Brace" per Section 2308.9.3 shall be Method 3 and the allowable shear capacity per Table 2306.4.1 shall be a minimum of 350 plf (5108 N/m) (ASD).
  - 3.2. The bracing of the top story shall be located at each end and at least every 25 feet (7620 mm) on center but not less than 40% of the braced wall line. The bracing of the first story shall be located at each end and at least every 25 feet (7620 mm) on center but not less than 35% of the braced wall line.
  - 3.3. Hold down connectors shall be provided at the ends of braced walls for the second floor to first floor wall assembly with an allowable design of 2000 lbs. (907.0 kg). Hold down connectors shall be provided at the ends of each wall segment of the braced walls for the first floor to foundation assembly with an allowable design of 3900 lbs. (1768 kg). In all cases, the hold down connector force shall be transferred to the foundation.
  - 3.4. Cripple walls shall not be permitted.  
(Effective January 1, 2003)

\*Revise Section 2308.12.2 to add the following exceptions:

**Section 2308.12.2 Concrete or masonry.** Concrete or masonry walls, or masonry veneer shall not extend above the basement.

**Exceptions:**

Masonry veneer is permitted to be used in the first story above grade in Seismic Design Category D provided the following criteria are met:

1. "Type of Brace" per Section 2308.9.3 shall be Method 3 and the allowable shear capacity per Table 2306.4.1 shall be a minimum of 350 plf (5108 N/m) (ASD).
2. The bracing of the first story shall be located at each end and at least every 25 feet (7620 mm) on center but not less than 45% of the braced wall line.
3. Hold down connectors shall be provided at the ends of braced walls for the first floor to foundation assembly with an allowable design of 2100 lbs. (952.5 kg).
4. Cripple walls shall not be permitted.  
(Effective January 1, 2003)

**End of amendments.**



# **Georgia State Amendments to the Standard Building Code (2000 Edition)**



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**THESE AMENDMENTS ARE TO BE USED IN ADDITION TO THOSE AMENDMENTS ADOPTED EFFECTIVE JANUARY 1, 2002 AND JANUARY 1, 2003, WHEN USED TOGETHER, THEY CONSTITUTE THE OFFICIAL GEORGIA STATE MINIMUM STANDARD BUILDING CODE.**

**GEORGIA STATE AMENDMENTS**

**CODE REFERENCE:**

- (a) Change all references from the ICC Electrical Code to the Georgia State Minimum Standard National Electrical Code.
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**SCOPE:**

The provisions of the Georgia State Minimum Standard Building Code (International Building Code) shall apply to the construction, alteration, movement, enlargement, replacement, repair, equipment, use and occupancy, location, maintenance, removal and demolition of every building or structure or any appurtenances connected or attached to such buildings or structures.

Exception: Detached one and two family dwellings and multiple single-family dwellings (townhouses) not more than three stories high with separate means of egress and their accessory structures shall comply with the CABO One and Two Family Dwelling Code (International Residential Code).

**Appendices**

Appendices are not enforceable unless they are specifically referenced in the body of the code or adopted for enforcement in the ordinance of the authority having jurisdiction.

*\*Revise the Standard Building Code (International Building Code), 2000 Edition, as follows:*

**CHAPTER 35  
REFERENCE STANDARDS**

\*Revise the AF&PA Standard reference number for WFCM to read as follows:

**AF&PA** American Forest and Paper Association  
111 19<sup>th</sup> Street, NW, #800  
Washington DC 20046

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Standard reference number	Title	Referenced in code section number
WFCM	ANSI/AF&PA Wood Frame Construction Manual for One and Two Family Dwellings, 2001 Edition (Effective January 1, 2004)	1609.1.1, 2308.2.1

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**End of amendments.**