



**Georgia State Amendments  
to the  
International Residential  
Code for One- and Two-  
Family Dwellings  
(2006 Edition)**



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**Revised January 1, 2007**

**GEORGIA STATE MINIMUM STANDARD  
ONE AND TWO FAMILY DWELLING CODE  
(INTERNATIONAL RESIDENTIAL CODE FOR  
ONE- AND TWO-FAMILY DWELLINGS  
WITH GEORGIA STATE AMENDMENTS)**

The **INTERNATIONAL RESIDENTIAL CODE FOR ONE- AND TWO-FAMILY DWELLINGS, 2006 Edition**, published by the International Code Council, when used in conjunction with these Georgia State Amendments, shall constitute the official *Georgia State Minimum Standard One and Two Family Dwelling Code*.

**Part VII, Plumbing (Chapters 25 through 32)**, is deleted from the **INTERNATIONAL RESIDENTIAL CODE FOR ONE- AND TWO-FAMILY DWELLINGS**. Substitute for plumbing requirements the *Georgia State Minimum Standard Plumbing Code (International Plumbing Code with Georgia State Amendments)*.

**Part VIII, Electrical (Chapters 33 through 42)**, is deleted from the **INTERNATIONAL RESIDENTIAL CODE FOR ONE- AND TWO-FAMILY DWELLINGS**. Substitute for electrical requirements the *Georgia State Minimum Standard Electrical Code (National Electrical Code with Georgia State Amendments)*.

**GEORGIA STATE AMENDMENTS**

**CODE REFERENCE:**

- (a) Replace all references to the ICC *Electrical Code* with references to the *Georgia State Minimum Standard Electrical Code*.
- (b) Replace all references to the *International Energy Conservation Code (IECC)* with references to the *Georgia State Minimum Standard Energy Code (IECC with Georgia State Supplements and Amendments)*. The *Georgia State Minimum Standard Energy Code* shall be used for heating and air conditioning equipment.

**SCOPE:**

The provisions of the *Georgia State Minimum Standard One and Two Family Dwelling Code* shall apply to the construction, alteration, movement, enlargement, replacement, repair, equipment, use and occupancy, location, maintenance, removal and demolition of detached one- and two-family dwellings and multiple single-family dwellings (townhouses) not more than three stories in height with separate means of egress and their accessory structures.

**APPENDICES:**

Appendices are not enforceable unless they are specifically referenced in the body of the code or adopted by the Department of Community Affairs or the authority having jurisdiction.

**GEORGIA STATE MINIMUM  
REQUIREMENTS FOR BOILERS/WATER HEATERS AND PRESSURE VESSELS**

The State's minimum requirements for boilers/water heaters and pressure vessels over 200,000 BTU/h (58.61 kW), 210 degrees Fahrenheit or 120 gallons capacity shall be established by O.C.G.A. Title 34, Chapter 11 and the Rules and Regulations of the Georgia Department of Labor.

**PLEASE NOTE:** The provisions of Section R301.2.1.1, Design criteria, of the 2006 edition of the International Residential Code for One- and Two-Family Dwellings, *shall not become effective until July 1, 2007*. For the period from January 1, 2007, through June 30, 2007, the provisions of Section R301.2.1.1, Design criteria, of the 2000 edition of the International Residential Code for One- and Two-Family Dwellings, shall remain in effect.

*\*Revise the International Residential Code for One- and Two-Family Dwellings, 2006 Edition, as follows:*

**CHAPTER 1  
ADMINISTRATION**

*\*Delete Chapter 1 'Administration' without substitution. Chapter 1 to remain in the Code as a reference and guide for local governments in development of their own Administrative Procedures.*

*(Effective January 1, 2007)*

**CHAPTER 2  
DEFINITIONS**

**SECTION R202  
DEFINITIONS**

*\*Revise definition of 'Accessory Structure' to read as follows:*

**ACCESSORY STRUCTURE.** In one- and two-family dwellings not more than three stories high with separate means of egress, a building, the use of which is incidental to that of the main building and which is located on the same lot.

*(Effective January 1, 2007)*

*\*Revise definition of 'Branch Vent' to read as follows:*

**BRANCH VENT.** A vent connecting two or more individual vents with a vent stack, stack vent or terminating in the open air.

*(Effective January 1, 2007)*

*\*Add definition of 'Valve' as follows:*

## VALVE

**Point of Delivery Service Shutoff.** The point of delivery for natural gas systems is the outlet of the service meter assembly or the outlet of the service regulator or service shutoff valve where a meter is not provided. Where a valve is provided at the outlet of the service meter assembly, such valve shall be considered to be downstream of the point of delivery. The point of delivery for undiluted liquefied petroleum gas systems is the outlet of the first stage pressure regulator that provides utilization pressure, exclusive of line gas regulators, in the system.  
(Effective January 1, 2007)

## CHAPTER 3 BUILDING PLANNING

### SECTION R306 SANITATION

\*Add new Section R306.5 as follows:

**R306.5.** One- and two-family dwellings shall have not less than two exterior hose bibs, sill cocks or outside hydrants with one being located on the side or rear of the structure.  
(Effective January 1, 2007)

\*Add new Section R306.6 'General' as follows:

**R306.6 General.** Toilet facilities shall be provided for construction workers and such facilities shall be maintained in a sanitary condition. Construction worker toilet facilities of the nonsewer type shall conform to ANSI Z4.3.  
(Effective January 1, 2007)

### SECTION R309 GARAGES AND CARPORTS

\*Revise Section R309.2 'Separation required' to add exceptions as follows:

#### **R309.2 Separation required.**

##### **Exception #1:**

Separation is not required in garages protected by an automatic sprinkler system that meets the following criteria:

1. Maximum protected area is 600 square feet (55.74 m<sup>2</sup>).
2. Maximum number of sprinkler heads per domestic system is six.
3. Minimum pipe size supplying domestic water system shall be ¾-inch (19 mm) nominal diameter.
4. Maximum area of coverage per sprinkler head of 100 square feet (9.29 m<sup>2</sup>).
5. No control valve to isolate the sprinkler head(s) unless supervised.
6. Protected area is defined by physical barriers that extend from floor to ceiling of construction that will resist the passage of smoke.
7. Doors through physical barriers shall be equipped with self-closing devices and be positive-latching.

**Exception #2:**

A disappearing/pull-down stairway with minimum  $\frac{3}{8}$ -inch (9.53 mm) (nominal) fire-retardant-treated structural panel is deemed to meet the 20-minute thermal barrier test based on ASTM E 119, *Test Methods for Fire Tests of Building Construction and Materials*, or deemed to have the fire resistance of or equivalent to  $\frac{1}{2}$ -inch (12.7 mm) gypsum wall board.  
(Effective January 1, 2007)

**SECTION R311  
MEANS OF EGRESS**

\*Revise Section R311.5.3.1 ‘Riser height’ to add exception as follows:

**R311.5.3.1 Riser height.**

**Exception:**

The first and the last riser may vary by an amount no greater than  $\frac{3}{4}$  inch (19 mm) from the other risers in the flight of stairs.

(Effective January 1, 2007; AMENDMENT EXPIRES JANUARY 1, 2010)

\*Revise first sentence of Section R311.5.3.2 ‘Tread depth’ to read as follows:

**R311.5.3.2 Tread depth.** The minimum tread depth shall be 9 inches (229 mm). The tread depth...

(Remainder of section left unchanged.)

(Effective January 1, 2007; AMENDMENT EXPIRES JANUARY 1, 2010)

**SECTION R312  
GUARDS**

\*Revise Section R312.1 ‘Guards’ to add at end as follows:

**R312.1 Guards.**

(Beginning of section left unchanged.)

...or grade below. The finish grade surface to a retaining wall attached to a house that has a vertical drop on its opposite side of more than 30 inches (762 mm) below the grade shall have a guard (guardrail) not less than 36 inches (914 mm) in height.

(Effective January 1, 2007)

**CHAPTER 4  
FOUNDATIONS**

**SECTION R404  
FOUNDATION AND RETAINING WALLS**

\*Revise Section R404.1 ‘Concrete and masonry foundation walls’ to read as follows:

**R404.1 Concrete and masonry foundation walls.** Concrete and masonry foundation walls shall be selected and constructed in accordance with the provisions of Section R404 or in

accordance with ACI 318, ACI 332, NCMA TR68—A or ACI 530/ASCE 5/TMS 402 or other approved structural standards. When ACI 318, ACI 332 or ACI 530/ASCE 5/TMS 402 or the provisions of Section R404 are used to design concrete or masonry foundation walls, project drawings, typical details and specifications are not required to bear the seal of the architect or engineer responsible for design, unless otherwise required by the state law of the jurisdiction having authority.

(Effective January 1, 2007)

\*Delete Table R404.1(1) ‘Top Reactions And Prescriptive Support For Foundations Walls<sup>a</sup>’ without substitution.

(Effective January 1, 2007)

\*Delete Table R404.1(2) ‘Maximum Plate Anchor-Bolt Spacing For Supported Foundation Wall<sup>a</sup>’ without substitution.

(Effective January 1, 2007)

\*Delete Table R404.1(3) ‘Maximum Aspect Ratio, L/W For Unbalanced Foundations’ without substitution.

(Effective January 1, 2007)

## CHAPTER 5 FLOORS

### SECTION R502 WOOD FLOOR FRAMING

\*Revise Section R502.2.2 ‘Decks’ to add at beginning as follows:

**R502.2.2 Decks.** Decks shall be constructed in accordance with this code or Chapter 3 of the 1996 Forest Products Society, “Wood Decks, Materials, Construction, and Finishing” manual. Where supported by...

(Remainder of section left unchanged.)

(Effective January 1, 2007)

\*Add new Section R502.2.2.1 ‘Deck ledger connection to band joist (conventional framing)’ as follows:

**R502.2.2.1 Deck ledger connection to band joist (conventional framing).** For residential applications and a total design load of 50 psf (2.39 kPa), the connection between a pressure preservative treated southern pine (or approved decay-resistant species) deck ledger and a 2-inch (51 mm) nominal band joist bearing on a sill plate or wall plate shall be constructed with ½-inch (13 mm) bolts with washers per Table R502.2.2.1.

(Effective January 1, 2007)

\*Add new Table R502.2.2.1 ‘Fastener Spacing For A Residential Southern Pine Deck Ledger And A 2-Inch (51 mm) Nominal Solid-Sawn Band Joist (50 psf (2.39 kPa) Total Load)<sup>1,2</sup>’.

See page 14.

(Effective January 1, 2007)

\*Add new Figure R502.2.2.1 'Placement Of Bolts In Deck Ledgers (Bands).'

See page 14.

(Effective January 1, 2007)

\*Add new Section R502.2.2.2 'Deck ledger connection to band joist (wood I-joists with rim board)' as follows:

**R502.2.2.2 Deck ledger connection to band joist (wood I-joists with rim board).** For residential applications and a total design load of 50 psf (2.39 kPa), when attaching the ledger to manufactured wood floor assemblies that include manufactured rim boards supported by a structural bearing, the installation shall comply with the manufacturer's design and installation specifications. When rim boards are not fully supported by direct bearing, the installation shall be detailed by a registered design professional.

(Effective January 1, 2007)

\*Add new Section R502.2.2.3 'Deck ledger connection to open web floor truss system' as follows:

**R502.2.2.3 Deck ledger connection to open web floor truss system.** For residential applications and a total design load of 50 psf (2.39 kPa), when attaching the ledger to manufactured open web floor truss systems, the installation shall comply with the manufacturer's design and installation specifications. The deck ledger connection to the floor truss system shall be designed and approved by the truss system manufacturer's registered design professional.

(Effective January 1, 2007)

## **CHAPTER 6 WALL CONSTRUCTION**

### **SECTION R602 WOOD WALL FRAMING**

\*Revise first sentence of Footnote 'a' of Table R602.3(1) 'Fastener Schedule For Structural Members' to read as follows:

#### **TR602.3(1) Fastener Schedule For Structural Members.**

##### **Footnote 'a':**

All nails are smooth-common, box or deformed shanks except where otherwise stated or as required to be hot-dipped zinc-coated galvanized steel, stainless steel, silicon bronze or copper in accordance with Section R319.3. Nails used for...

(Remainder of footnote left unchanged.)

(Effective January 1, 2007)

\*Delete Section R602.10.5 'Continuous wood structural panel sheathing' and substitute the following:

**R602.10.5 Continuous structural panel sheathing.** When continuous wood structural panel sheathing is provided in accordance with Method 3 of Section R602.10.3, including areas above and below openings, braced wall panel lengths shall be in accordance with Table R602.10.5. Wood structural panel sheathing at corners shall be installed in accordance with Figure R602.10.5. The bracing amounts in Table R602.10.1 for Method 3 shall be permitted to be multiplied by a factor of 0.9 for walls with a maximum opening height that does not exceed 85 percent of the wall height or a factor of 0.8 for walls with a maximum opening height that does not exceed 67 percent of the wall height.

**Exception:** Vertical wall segments, in the first story of one- or two-story buildings, next to garage openings shall be permitted to have a 6:1 height-to-width ratio (with height being measured from top of header to sill plate) when constructed in accordance with the following provisions. Each panel shall have a length of not less than 16 inches (406 mm) and a height of not more than 10 feet (3048 mm). Each panel shall be sheathed on one face with a single layer of  $\frac{3}{8}$ -inch (9.53 mm) minimum thickness wood structural panel sheathing nailed with 8d common or galvanized box nails in accordance with Figure R602.10.6.2. The wood structural panel sheathing shall extend up over the solid sawn or glued laminated header and shall be nailed in accordance with Figure R602.10.6.2. The header shall extend between the inside faces of the first full-length outer studs of each panel. The clear span of the header between the inner studs of each panel shall be not less than six feet (1829 mm) and not more than 18 feet (5486 mm) in length. A strap with an uplift capacity of not less than 1000 pounds (454 kg) shall fasten the header to the side of the inner studs opposite the sheathing. Two anchor bolts shall be installed in accordance with Section R403.1.6, and plate washers shall be a minimum of 2 inches by 2 inches by  $\frac{3}{16}$  inches (51 mm by 51 mm by 4.76 mm) thick and shall be used on each bolt. This exception is only permitted in Seismic Design Categories A-C.

(Effective January 1, 2007)

\*Delete Footnote 'c' of Table R602.10.5 'Length Requirements For Braced Wall Panels In A Continuously Sheathed Wall<sup>a,b,c</sup>' without substitution.

(Effective January 1, 2007)

## SECTION R613 EXTERIOR WINDOWS AND GLASS DOORS

\*Delete Section R613.2 'Window sills' without substitution.

(Effective January 1, 2007)

## CHAPTER 7 WALL COVERING

### SECTION R702 INTERIOR COVERING

\*Revise first sentence of Section R702.2 'Interior plaster' to read as follows:

**R702.2 Interior plaster.** Gypsum plaster or portland cement plastering materials shall conform to ASTM C 5, C 28, C 35, C 37, C 59, C 61, C 587, C 588, C 631, C 847, C 897, C 933, C 1032



and C 1047, and shall be installed or applied in conformance with ASTM C 843, C 844, C 926 and C 1063. Plaster shall not...

(Remainder of section left unchanged.)

(Effective January 1, 2007)

## **SECTION R703 EXTERIOR COVERING**

\*Add Footnote 'α' to 'Joint Treatment' heading of Table R703.4 'Weather-Resistant Siding Attachment And Minimum Thickness' as follows:

### **TR703.4 Weather-Resistant Siding Attachment And Minimum Thickness.**

#### **Footnote 'α':**

Where joints are required to be sealed, ASTM C 1193 shall be deemed to meet the intent of Section R703.

(Effective January 1, 2007)

\*Revise first sentence of Section R703.9 'Exterior insulation finish systems, general' to read as follows:

**R703.9 Exterior insulation finish systems, general.** Exterior Insulation Finish Systems (EIFS) shall be from manufacturers with a current ICC Evaluation Report and shall be installed in accordance with ANSI 99A, ASTM C 1397, ASTM C 1535, ASTM E 2273, ICC EIFS Evaluation Reports, manufacturer's installation instructions and the requirements of this section. Decorative trim shall not...

(Remainder of section left unchanged.)

(Effective January 1, 2007)

## **CHAPTER 8 ROOF-CEILING CONSTRUCTION**

### **SECTION R802 WOOD ROOF FRAMING**

\*Revise Section R802.3 'Framing details' to add sentence between first and second sentences as follows:

#### **R802.3 Framing details.**

(First sentence left unchanged.)

...as a tie. Where rafters meet to form a ridge they shall be placed directly opposite each other, or centerline offset not more than 1½ inches (38 mm). Ridge board shall...

(Remainder of section left unchanged.)

(Effective January 1, 2007)

## **CHAPTER 11 ENERGY EFFICIENCY**

\*Delete Chapter 11 'Energy Efficiency' without substitution. For energy code compliance refer to the *Georgia State Minimum Standard Energy Code*.  
(Effective January 1, 2007)

## **CHAPTER 13 GENERAL MECHANICAL SYSTEM REQUIREMENTS**

### **SECTION M1305 APPLIANCE ACCESS**

\*Revise first and last sentences of Section M1305.1.3 'Appliances in attics' to read as follows:

**M1305.1.3 Appliances in attics.** Attics containing appliances requiring access shall be provided with an opening and a clear and unobstructed passageway large enough to allow the removal of the largest appliance, but not less than 30 inches (762 mm) high and 22 inches (559 mm) wide to the appliance. The passageway shall...

(Middle of section left unchanged.)

...access is required. The clear access opening dimensions shall be a minimum of 20 inches by 30 inches (508 mm by 762 mm), where such dimensions are large enough to allow the removal of the largest appliance and be accessible by pull down stairs or other permanent steps.

(Effective January 1, 2007)

\*Revise first sentence of Section M1305.1.4 'Appliances under floors' to read as follows:

**M1305.1.4 Appliances under floors.** Underfloor spaces containing appliances requiring access shall be provided with an unobstructed passageway large enough to remove the largest appliance, but not less than 30 inches (762 mm) high and 22 inches (559 mm) wide. A level service...

(Remainder of section left unchanged.)

(Effective January 1, 2007)

## **CHAPTER 14 HEATING AND COOLING EQUIPMENT**

### **SECTION M1401 GENERAL**

\*Revise Section M1401.4 'Exterior installations' to read as follows:

**M1401.4 Exterior installations.** Equipment installed outdoors shall be listed and labeled for outdoor installation. Supports and foundations shall prevent excessive vibration, settlement or movement of the equipment. Equipment and appliances installed at grade level shall be supported on a level concrete slab or other approved material extending above grade a minimum of 2 inches (51 mm) or shall be suspended a minimum of 6 inches (152 mm) above adjoining grade.

(Effective January 1, 2007)

**CHAPTER 16  
DUCT SYSTEMS**

**SECTION M1601  
DUCT CONSTRUCTION**

\*Revise Section M1601.1 ‘Duct design’ to read as follows:

**M1601.1 Duct design.** Duct systems serving heating, cooling and ventilation equipment shall be fabricated and installed in accordance with the *International Mechanical Code (IMC)* Chapter 6 and Georgia State Amendments to *IMC* Chapter 6.

(Effective January 1, 2007)

**CHAPTER 24  
FUEL GAS**

**SECTION G2419 (408)  
DRIPS AND SLOPED PIPING**

\*Revise second and third sentences of Section G2419.4 (408.4) ‘Sediment trap’ to read as follows:

**G2419.4 (408.4) Sediment trap.**

(Beginning of section left unchanged.)

...equipment as practical. The sediment trap shall be either a tee fitting with a minimum 3 inch (76 mm) long capped nipple in the bottom outlet or other configuration approved as an effective sediment trap. Illuminating appliances, ranges, clothes dryers, decorative appliances for installation in vented fireplaces, decorative vented appliances, and outdoor grills need not be so equipped unless required by manufacturer’s installation instructions.

(Effective January 1, 2007)

**SECTION G2420 (409)  
GAS SHUTOFF VALVES**

\*Add new Section G2420.2.1 ‘Point of delivery service valve’ as follows:

**G2420.2.1 Point of delivery service valve.** Where the point of delivery is the outlet of the service meter assembly, or the outlet of the service regulator a service shutoff valve shall be installed. Such valve is considered to be part of the customer piping system.

(Effective January 1, 2007)

**SECTION G2423 (413)  
CNG GAS-DISPENSING SYSTEMS**

\*Delete Section G2423.1 (413.1) ‘General’ and substitute the following:

**G2423.1 General.** Under Georgia law, the Rules and Regulations of the Georgia Safety Fire Commissioner’s Office govern the storage, delivery and dispensing of compressed natural gas. Refer to the Rules and Regulations of the Georgia Safety Fire Commissioner’s Office and NFPA 52 for all requirements concerning compressed natural gas motor vehicle Fuel-dispensing stations.

(Effective January 1, 2007)

**SECTION G2447 (623)  
COOKING APPLIANCES**

\*Delete Section G2447.2 (623.2) ‘Prohibited location’ without substitution.

(Effective January 1, 2007)

\*Delete Section G2447.3 (623.3) ‘Domestic appliances’ without substitution.

(Effective January 1, 2007)

**CHAPTER 43  
REFERENCED STANDARDS**

\*Revise Chapter 43 ‘Referenced Standards’ to add as follows:

American National Standards Institute  
25 West 43<sup>rd</sup> Street, Fourth Floor

**ANSI**

New York, NY 10036

Standard reference number	Title	Referenced in code section number
99A—01	American National Standard for Exterior Insulation and Finish Systems (EIFS)	R703.9, GA Amendments
Z4.3—87/95	Nonsewered Waste Disposal Systems	R306.6, GA Amendments

ASTM International  
100 Barr Harbor Drive

**ASTM**

West Conshohocken, PA 19428-2859

Standard reference number	Title	Referenced in code section number
C 926-98a (2005)	Standard Specification for Application of Portland Cement-Based Plaster	R702.2, GA Amendments
C 1193-05a	Standard Guide for Use of Joint Sealants	TR703.4, GA Amendments
C 1397-05	Standard Practice for Application of Class PB Exterior Insulation and Finish Systems	R703.9, GA Amendments
C 1535-05	Standard Practice for Application of Exterior Insulation and Finish Systems Class PI	R703.9, GA Amendments
E 119-00	Test Methods for Fire Tests of Building Construction and Materials	R309.2, GA Amendments
E 2273-03	Standard Test Method for Determining the Drainage Efficiency of Exterior Insulation and Finish Systems (EIFS) Clad Wall Assemblies	R703.9, GA Amendments

Forest Products Society  
2801 Marshall Court

**FPS**

Madison, WI 53705-2295

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Standard reference number	Title	Referenced in code section number
1996 Edition	Wood Decks: Materials, Construction, and Finishing	R502.2.2, GA Amendments

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National Fire Protection Association  
Batterymarch Park

**NFPA**

Quincy, MA 02269

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Standard reference number	Title	Referenced in code section number
52 (Effective January 1, 2007)	Compressed Natural Gas (CNG) Vehicular Fuel Systems	G2423.1, GA Amendments

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**APPENDIX G  
SWIMMING POOLS, SPAS AND HOT TUBS**

\*The Department of Community Affairs hereby adopts Appendix G ‘Swimming Pools, Spas and Hot Tubs.’  
(Effective January 1, 2007)

**End of Amendments.**

**TABLE R502.2.2.1**  
**FASTENER SPACING FOR A RESIDENTIAL SOUTHERN PINE DECK LEDGER AND A 2-INCH**  
**(51 mm) NOMINAL SOLID-SAWN BAND JOIST (50 psf (2.39 kPa) TOTAL LOAD)<sup>1,2</sup>**

JOIST SPAN (feet)	6' and Less	6'-1'' to 8'	8'-1'' to 10'	10'-1'' to 12'	12'-1'' to 14'	14'-1'' to 16'	16'-1'' to 18'
	<b>ON-CENTER SPACING OF FASTENERS<sup>3,4</sup></b>						
<b>½" BOLT WITH WASHERS</b>	36''	36''	34''	29''	24''	21''	19''

Notes:

1. The maximum gap between the face of the ledger board and face of the house band joist shall be ½-inch (13 mm).
2. Ledgers shall be flashed to prevent water from contacting the house band joist.
3. Bolts shall be staggered as depicted in Figure R502.2.2.1.
4. Deck ledger shall be 2x8 PPT No. 2 Southern Pine (minimum) or other approved method and material as established by standard engineering practice.

**FIGURE R502.2.2.1**  
**PLACEMENT OF BOLTS IN DECK LEDGERS (BANDS)**

