



BERMUDA BUILDING CODE

2014



GOVERNMENT OF BERMUDA
Department of Planning

BERMUDA GOVERNMENT - DEPARTMENT OF PLANNING

BERMUDA BUILDING CODE 2014

2014

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PART I – GENERAL PROVISIONS

101 SCOPE AND APPLICATION

101.1 Title. This document shall be known as the Bermuda Building Code 2014, hereinafter referred to as "this code".

101.2 Scope. The provisions of this code shall apply to the construction, alteration, relocation, enlargement, replacement, repair, equipment, use or occupancy, location, maintenance, removal and demolition of every building or structure or any appurtenances connected to or attached to such buildings or structures except as provided for in other statutory provisions.

101.3 Intent. The purpose of this code is to establish the minimum requirements to safeguard the public health, safety and general welfare through structural strength, means of egress facilities, stability, sanitation, adequate light and ventilation, energy conservation, and safety to life and property from fire and other hazards attributed to the built environment and to provide safety to fire fighters and emergency responders during emergency operations.

101.4 Referenced Codes. The codes listed in sections 101.4.1 through 101.4.7 and referenced elsewhere in this code shall be considered part of the requirements of this code to the prescribed extent of each such reference.

101.4.1 Bermuda Commercial Building Code 2014. The Bermuda Commercial Building Code 2014 modifies and adopts the International Building Code 2012. The modifications to the International Building Code 2012 are shown in Part II of this code. Any reference to the International Building Code in the referenced codes shall mean the Bermuda Commercial Building Code 2014. The provisions of the Bermuda Commercial Building Code 2014 shall apply to the construction, alteration, relocation, enlargement, replacement, repair, equipment, use or occupancy, location, maintenance, removal and demolition of every building or structure or any

appurtenances connected to or attached to such buildings or structures except residential building as defined in the Bermuda Residential Building Code 2014.

101.4.2 Bermuda Mechanical Code 2014. The Bermuda Mechanical Code 2014 modifies and adopts the International Mechanical Code 2012. The modifications to the International Mechanical Code 2012 are shown in Part III of this code. Any reference to the International Mechanical Code in the referenced codes shall mean the Bermuda Mechanical Code 2013. The provisions of the Bermuda Mechanical Code 2012 shall apply to the installation, alteration, repairs and replacement of mechanical systems, including equipment, appliances, fixtures, fittings and/or appurtenances, including ventilating, heating, cooling, air-conditioning and refrigeration systems, incinerators and other energy-related systems.

101.4.3 Bermuda Electrical Code 2014. The Bermuda Electrical Code 2014 modifies and adopts the National Electrical Code 2011. The modifications to the National Electrical Code 2011 are shown in Part IV of this code. Any reference to the National Electrical Code in the referenced codes shall mean the Bermuda Electrical Code 2014.

101.4.4 Bermuda Fuel Gas Code 2014. The Bermuda Fuel Gas Code 2014 modifies and adopts the International Fuel Gas Code 2012. The modifications to the International Fuel Gas code 2012 are shown in Part V of this code. Any reference to the International Fuel Gas Code in the referenced codes shall mean the Bermuda Fuel Gas Code 2014.

101.4.5 Bermuda Plumbing Code 2014. The Bermuda Plumbing Code 2014 modifies and adopts the International Plumbing Code 2012. The modifications to the International Plumbing Code 2012 are shown in Part VI of this code. Any reference to the International plumbing Code in the referenced codes shall mean the Bermuda Mechanical Code 2014. The provisions of the Bermuda Plumbing Code 2013 shall apply to the

installation, alteration, repair and replacement of plumbing systems, including equipment, appliances, fixtures, fittings and appurtenances, and where connected to a water or sewage system and all aspects of a medical gas system.

101.4.6 Bermuda Energy Conservation Code 2014. The Bermuda Energy Conservation Code 2014 modifies and adopts the International Energy Conservation Code 2012. The modifications to the International Energy Conservation Code 2012 are shown in Part VII. Any reference to the International Energy Conservation Code 2012 in the referenced codes shall mean the Bermuda Energy Conservation Code 2014.

101.4.7 Bermuda Fire Code 2014, The Bermuda Fire Code 2014 adopts the current version of the National Fire Prevention Association (NFPA) Code, and shall adopt all recommendations from the Bermuda Fire and Rescue Service.

101.5 Conflicts. Where conflicts occur between provisions of referenced codes or any standards referenced in the codes, the provisions of the Bermuda Commercial Building Code 2014 shall take precedence.

101.6 Other Codes. Subject to the size, height and construction limitations specified in section 1.1 of the Bermuda Residential Building Code 2014, the **Bermuda Residential Building Code 2014** produced by the Department of Planning, Government of Bermuda, is hereby adopted for residential development in Bermuda.

101.7 Existing Structures. The legal occupancy of any structure existing on the date of adoption of the Bermuda Building Code 2014, or for which it has been previously approved, shall be permitted to continue without change, except as is specifically covered in the regulations or as is deemed necessary by the Building Official for the general safety and welfare of the occupants or the general public. Additions, alterations or repairs to any structure shall conform to that required of a new structure, without requiring the existing structure to comply with all the

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requirements of this code. However, such additions, alterations or repairs shall not cause any structure to become unsafe or adversely affect the performance of the structure. In addition, if the structure is found to contain unsafe structural, electrical, gas, fire, egress or sanitary components then the areas identified shall be rectified in accordance with a direction given by the Building Official.

101.8 The Bermuda Commercial Building Code 1998, Bermuda Mechanical Code 1998, the Bermuda Electrical Code 1998 and the Bermuda Residential Building Code 1998 are hereby superseded and replaced.

102 ADMINISTRATION AND ENFORCEMENT

102.1 General. The administration and enforcement of this code shall be in accordance with the provisions of the Building Act 1988 as amended from time to time.

102.2 Building Official. The duties and powers of the Building Official shall be as specified in the Building Act 1988 (or any subsequent amendment thereof) as well as those indicated in the various provisions of this code. Any reference to "Code Official" in any of the referenced codes shall be taken to mean the "Building Official".

102.3 Approved materials and equipment. Materials, equipment and devices approved by the Building Official shall be constructed and installed in accordance with the approval.

102.4 Used Materials and Equipment. The use of used materials which meet the requirements of this code for new materials is permitted. Used equipment and devices shall not be re-used unless approved by the Building Official.

102.5 Modifications. Wherever there are practical difficulties involved in carrying out the provisions of this code the Building Official may grant modifications for individual cases, upon application of the owner or owner's representative, provided the Building Official shall first find that special individual reason makes the strict letter of this code impractical and the modification is in compliance with the intent and purpose of this code and that such modification does not lessen health, accessibility, life and fire safety, or structural requirements.

102.6 Alternative materials, design and methods of construction and equipment. The provisions of this code are not intended to prevent the installation of any material or to prohibit any design or method of construction not specifically prescribed by this code, provided that any such alternative has been approved. An alternative material, design or method of construction shall be approved where the

Building Official finds that the proposed design is satisfactory and complies with the intent of the provisions of this code, and that the material, method or work offered is, for the purpose intended, at least the equivalent of that prescribed in this code in quality, strength, effectiveness, fire resistance, durability and safety.

102.6.1 Research reports. Supporting data, where necessary to assist in the approval of materials or assemblies not specifically provided for in this code, shall consist of valid research reports from approved sources.

102.6.2 Tests. Whenever there is insufficient evidence of compliance with the provisions of this code, or evidence that a material or method does not conform to the requirements of this code, or in order to substantiate claims for alternative materials or methods, the Building Official shall have the authority to require tests as evidence of compliance to be made at no expense to the Government of Bermuda. Test methods shall be as specified in this code or by other recognized test standards. In the absence of recognized and accepted test methods, the Building Official shall approve the testing procedures. Tests shall be performed by an approved agency.

102.7 Directions. The Building Official shall have the authority to issue directions as necessary in the interests of public health, safety and general welfare, to issue directions in order to interpret and implement the provisions of the adopted Codes and to secure the intent thereof. Such directions shall be confirmed in writing by the Building Official in a timely manner.

103 PERMITS

103.1 Building Permit Required. A building permit is required for the following building operations:

- a) the excavation or quarrying of any land, including that under an existing building;
- b) the demolition of any building or structure that is within 25 feet of a road or to which the public has access;
- c) the erection of any building or structure, whether permanent or temporary;
- d) the carrying out of any structural alteration or extension of any building, including the removal of any parts of internal load bearing walls or of fire partitions or walls;
- e) the carrying out of works for the purpose of effecting a material change in use of the building or premises. A material change in use shall mean a change from one use group to another in accordance with the building codes;
- f) the installation or renewal of an electrical system;
- g) the installation or renewal of any plumbing or drainage or sewage disposal system;
- h) the installation or renewal of any gas fuel system;
- i) the installation or renewal of any mechanical systems;
- j) the installation, renewal, renovation or change to any mechanical system containing more than 6.6 pounds (3 kg) of refrigerant;
- k) the reconstruction of a building;
- l) the conversion of a movable object into a building;
- m) the removal of a building from one site and its re-erection elsewhere;
and,
- n) the roofing over of an open space between walls or buildings.

103.2 Emergency Repairs. Where equipment replacements and repairs must be performed in an emergency situation the permit shall be submitted within the next working business day to the Building Official or at such other time as may be agreed with the Building Official.

103.3 Repairs. A building permit is not required for ordinary repairs to structures, replacements of lamps or the connection of approved portable electrical equipment to approved permanently installed receptacles. Such repairs shall not include the cutting away of any wall, partition or portion thereof, the removal or cutting of any structural beam or load-bearing support, or the removal or change of any required means of egress, or rearrangement of parts of a structure affecting the egress requirements; nor shall ordinary repairs include addition to, alteration of, replacement or relocation of any standpipe, water supply, sewer, drainage, drain leader, gas, soil, waste, vent or similar piping, electrical wiring or mechanical or other work affecting public health or general safety.

103.4 Application for Permit. The application for a permit shall be submitted in writing to the Building Official on a form prescribed by the Building Official for that purpose. Such application shall:

- i. Be signed by the applicant or the applicant's authorized agent. If the applicant is not the owner of the land the application form shall be signed by the owner or the owner shall submit a letter of consent authorizing the applicant to make the application;
- ii. Identify and describe the work to be covered by the permit for which application is made;
- iii. Describe the land on which the proposed work is to be done in a manner that will readily identify the location of the proposed building or work;
- iv. Indicate the use and occupancy for which the proposed work is intended;
- v. Be accompanied by not less than three sets of construction documents and other required information;
- vi. Provide such other data and information as required by the Building Official; and,

vii. Be accompanied by the required fee prescribed in the Government Fees Regulations.

103.5 Action on Application. The Building Official shall examine or cause to be examined applications for permits and amendments thereto and shall notify the applicant that the plans have been passed or rejected within the relevant period. If the plans are defective or show that the proposed works would contravene any provision of this code the building official may reject the plans or, at the request of or with the consent of the applicant, pass them subject to conditions.

103.6 Building Appeals Tribunal. A person who is aggrieved by the refusal of the Building Official to pass a plan, the rejection of a plan or by the imposition of any conditions may appeal to the Building Appeals Tribunal in accordance with section 15 of the Building Act 1988 or any subsequent amendment thereof.

103.7 Approved plans. When the Building Official is satisfied that the plans are in accordance with this code he shall:

- a) stamp or endorse the three sets of plans with the words: 'approved';
- b) retain one set of the plans as approved; and,
- c) return two sets of the plans to the applicant who shall keep one set on the building site, available at all reasonable times, for inspection by the Building Official.

103.8 Revocation. Where a permit was issued by virtue of false or inaccurate information on the original submission, the Building Official may revoke the permit if deemed necessary.

103.9 Validity of Permit. The issuance or granting of a permit shall not be construed to be a permit for, or an approval of, any violation of any of the provisions of this code or any other legal requirement. Permits presuming to give authority to violate or cancel the provisions of this code or any other legal requirement shall not be valid. The issuance of a permit based on construction documents and other data shall not prevent the Building Official from requiring the correction of errors in the

construction documents and other data or stopping building operations or the use or occupancy of a structure when in violation of the code.

103.10 Expiration. A permit shall expire 5 years from the date of issuance of the permit unless an extension has been granted by the Building Official. An extension shall only be granted once for a maximum period of 2 years from the original expiration date. A request for an extension shall be made in writing and justifiable cause demonstrated. The request may be submitted prior to the expiration date or at any time up to 6 months after the expiration date. The construction works that are the subject of an approved extension to a permit shall be required to meet any revised provisions of the code.

103.11 Permit number to be displayed: The building permit number shall be posted prior to the commencement of any work and shall be left on display until a final certificate of completion and occupancy has been issued. The number shall be visible from the road and the text shall be a minimum of 6" in height.

103.12 Permit and Inspection Card: A permit and inspection card will be issued with the building permit. This card shall be posted conspicuously at the site and be readily accessible during all reasonable times to the Building Official.

104 SUBMITTAL DOCUMENTS

104.1 General. Submittal documents consisting of construction documents, statement of special inspections, geotechnical report and other data shall be submitted in not less than 3 sets with each permit application. Where required by the Building Official the construction documents shall be prepared by a registered design professional (as defined in Part II of this code).

Exception: The Building Official is authorized to waive the submission of construction documents and other data not required to be prepared by a registered design professional if the work is of a minor nature or it is considered that review of construction documents is not necessary to obtain compliance with this code.

104.2 Construction documents. Construction documents shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and show in detail that it will conform to the provisions of this code and relevant laws, ordinances, rules and regulations, as determined by the Building Official. The name of the individual or company that prepared the construction documents shall be clearly indicated on all plans and written material.

104.3 Construction document details. The Building Official shall require to be submitted all details of structural, mechanical and electrical work. Where the Building Official deems it necessary he shall require to be submitted all design assumptions, computations, stress diagrams and other technical data used in the design. The person preparing these construction documents shall be a registered design professional of a discipline relevant to the design work. Registration shall be in accordance with the professional registration laws of Bermuda and the registered design professional shall hold the appropriate level of professional indemnity insurance. All plans and computations shall bear the signature and seal of the registered design professional of the discipline relevant to the design work for which he/she is responsible.

104.4 Review of construction documents. The Building Official shall examine or cause to be examined the accompanying submittal documents to ensure compliance with this code. Where the Building Official deems it necessary he can authorize a review of the technical data by an appropriately qualified registered design professional.

104.5 Overseas consulting firm. Where an overseas consulting firm has prepared plans for a project in Bermuda the local design professional in responsible charge shall, where required by the Building Official, review all documentation and submit all design assumptions, computations, stress diagrams and other technical data used in the design.

104.5.1 Other codes. In preparing construction documents registered design professionals, may utilize design codes from their country of practice providing the design meets the minimum design requirements of the Bermuda Commercial Building Code 2014.

104.6 Projects affecting public roads etc. Construction documents for all projects constructed adjacent to public roads, rights-of-way or marine waterways where public safety may be a concern to the Building Official, shall be reviewed and approved by the Department of Works and Engineering.

104.7 Amendments. Work shall be installed in accordance with the approved construction documents. Any changes to a previously issued permit shall be the subject of an application for amendment. The application shall be submitted in triplicate and such amendment shall only be considered if it is in accordance with this code and does not change the scope of the original project in any way. The amended documents shall clearly indicate the changes that have been made by way of bubbling/highlighting and shall include a written description of the proposed amendments.

105 INSPECTIONS

105.1 Required Inspections: The permit holder shall, at least one working day before proceeding with or concealing work which requires inspections, notify the Building Official that such inspection is needed. A request for inspection shall be in the form prescribed by the Building Official. For the purposes of this section, work which requires inspection includes:

- i. the commencement and/or setting out of the project prior to any excavation or building work;
- ii. excavations and foundation reinforcing prior to pouring footing concrete, including piled foundations and welds on any structural elements;
- iii. structural reinforcing in all structural concrete and reinforced masonry prior to pouring concrete;
- iv. all structural members prior to concealing those members;
- v. roof framing, battens and sheathing prior to installation of
- vi. all electrical work prior to concealing;
- vii. re-commencement of work if the project has been suspended for a period exceeding six months; and
- viii. completion of building and electrical work prior to occupancy and or use.

105.2 Health Inspections: For the inspection of plumbing and drainage installations for compliance with the Bermuda Plumbing Code 2014, the permit holder or contractor shall, at least one working day before proceeding with or concealing work which requires inspections, notify the Department of Health that such inspection is needed. These works shall not commence until the inspection has been carried out and approved. For the purposes of this section, work which requires inspection includes:

- i. roughing in of all pipework prior to concealing;
- ii. cesspit location prior to excavation;
- iii. cesspit walls after excavation;
- iv. pressure testing of all water supply, drainage, sewer and vent piping;
and,
- v. final inspection after installation of all fixtures.

105.3 Approval required. Work shall not be done beyond the point indicated in each successive inspection without first obtaining the approval of the Building Official. The Building Official, upon notification, shall make the requested inspections and shall either indicate the portion of the construction that is satisfactory as completed, or notify the permit holder or his or her agent wherein the same fails to comply with this code. Any portions that do not comply shall be corrected and such portion shall not be covered or concealed until authorized by the Building official

105.4 Violations. Where work which requires inspection has been concealed, the Building Official may order the removal of materials concealing such work, and the cost of such removal shall be borne by the owner. Any person who proceeds with, or conceals any work in respect of which an inspection is required, is guilty of an offence under the Building Act 1988.

105.5 Re-inspections. Where an inspection for a particular portion of the works is requested and the work is not ready for inspection or is incorrect, then a re-inspection shall be necessary. In this instance, the Building Official may require that a re-inspection fee be paid prior to the re-inspection being performed.

105.6 Other Inspections. In addition to the inspections specified in this section the Building Official may require other inspections of construction work to ascertain compliance with the provisions of this code and other laws or regulations.

105.7 Special Inspections. Special inspections shall be performed as required by any provision of this code. All fees and costs associated with these special inspections shall be borne by the owner.

105.8 Inspection agencies. The Building Official may accept reports of approved inspection agencies provided such agencies satisfy the requirements as to qualifications and reliability.

106 CERTIFICATES OF COMPLETION AND OCCUPANCY

106.1 New Buildings. A building or structure that is erected shall not be used or occupied in whole or in part until a Certificate of Completion and Occupancy has been issued by the Building Official.

106.2 Building Altered. A building or structure that is enlarged, extended or altered or in which there has been a change in the existing occupancy classification shall not be occupied or used until the Building Official has issued a Certificate of Completion and Occupancy. This Code shall not require the discontinuance of use and occupancy of a lawful existing building or structure, unless such use is deemed to endanger public safety and welfare.

106.3 Conditions of Issuance. A Certificate of Completion and Occupancy shall not be issued until all works for which a permit has been issued have been completed to the satisfaction of the Building Official. This shall include all conditions of planning approval. Issuance of a Certificate of Completion and Occupancy shall not be construed as an approval of a violation of the provisions of this code or of other laws, ordinances or regulations.

106.4 Issuance of Certificate. Upon receipt of a written request from the owner of a building or structure, the Building Official shall issue a certificate of completion and occupancy within ten working days if all works to which the permit relates have been completed and are in accordance with the approved permit documents, the planning conditions and the adopted Codes.

106.5 Partial Occupancy Certificates. Upon written request by the holder of a permit, the Building Official may issue a temporary certificate of completion and occupancy before the entire work has been completed, provided such portions will be occupied safely prior to full completion of the building or structure without endangering life or public safety. The final dwelling unit in a multiple unit development will not be granted partial occupancy until all works have been completed and approved.

106.6 Power Supply. The supply of electrical current shall not be made available to an electrical wiring installation until the certificate of occupancy has been issued and a copy forwarded to the Bermuda Electric Light Company.

107 VIOLATIONS

107.1 Offences: It is an offence under the Building Act 1988 to:

- i. perform a building operation without first obtaining a building permit from the Building Official;
- ii. erect, construct, alter or repair a building or structure other than in accordance with the conditions of a valid building permit or in violation of an approved plan or direction of the Building Official; or
- iii. fail to comply with a permit or a certificate issued under the provisions of this code; or,
- iv. fail to comply with a field correction notice or stop work notice.

107.2 Field Correction Notices. Where works are being carried out that are not in accordance with the Code, the approved documents, the Building Act, the approved planning conditions, or any other regulations related to the development, the Building Official may issue a field correction notice in accordance with section 23B (1) of the Building Act 1988. This written notice may be served by handing it to an apparently responsible person or affixing it in a conspicuous location at the site. For the purposes of this section an apparently responsible person shall mean the owners, trustees, architect, contractor, project manager or any other person appearing to the Building Official to have an influence over the development. The field correction notice shall identify the areas of deficiency and give reasonable time for any required changes to be made. For the purposes of this section, reasonable time shall mean the generally accepted time by construction industry standards to perform a task.

107.3 Stop Work Notices. Where works are being carried out that are not in accordance with the Code, the approved documents, the Building Act, the approved planning conditions, or any other regulations related to the development, the Building Official may issue a stop work notice in accordance with section 23B (2) of the Building Act 1988. This written notice may be served by banding it to an

apparently responsible person or affixing it in a conspicuous location at the site. For the purposes of this section an apparently responsible person shall mean the owners, trustees, architect, contractor, project manager or any other person appearing to the Building Official to have an influence over the development. No work shall continue on works that have been issued with a stop work notice until approval to proceed is issued by the Building Official in written form.

107.4 Planning Approval To Be In Force. Nothing in this code shall infer compliance with any planning regulations. Planning permission in accordance with the Development and Planning Act 1974 or any subsequent amendment thereof must be obtained prior to any building permit being issued and must be currently in force prior to any building operations being performed.

BERMUDA BUILDING CODE 2014

PART II – INTERNATIONAL BUILDING CODE 2012 (Modifications)

1. SCOPE AND ADMINISTRATION

Provision	Requirement	Modification
All sections	Delete Substitute	<p>101.1 Title. This code shall be known as the Bermuda Commercial Building Code 2014, hereinafter referred to as "this code" or "the code"</p> <p>101.2 Administration. The administration of the Bermuda Commercial Building Code 2014 shall be in accordance with Part I of the Bermuda Building Code 2014.</p> <p>101.3 Scope. The provisions of this code shall not apply to residential buildings as defined in the Bermuda Residential Building Code 2014</p>

2. DEFINITIONS

Provision	Requirement	Modification
202	Delete Substitute	Definition of "BUILDING" BUILDING. In addition to the meaning assigned to it in the Building Act 1988 includes any structure used or intended for supporting or sheltering any use or occupancy.
	Delete Substitute	Definition of "BUILDING OFFICIAL" BUILDING OFFICIAL. The Director of Planning or his/her duly authorized representative
	Insert	BUILDING OPERATION. The erection, structural alteration or extension, excavation, grading, demolition, change in the use of the space, change in the means of egress, removal or alteration of fire walls or fire partitions for any new or existing building. It also includes the installation or renewal of any electrical, gas, plumbing and/or drainage services for any building.
	Delete Substitute	Definition of "HIGH RISE BUILDING" HIGH RISE BUILDING. A building more than 75 feet in height above the lowest level of Bermuda Fire and Rescue Services vehicle access.

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2. DEFINITIONS (continued)

Provision	Requirement	Modification
	Insert	HOME OCCUPATION. A business, profession, occupation or trade conducted entirely within a residential building employing no more than two persons of which at least one person shall be a bona fide resident of the dwelling and which occupies no more than 25% of the total floor space of the dwelling in which it is located.
	Delete Substitute	Definition of "HISTORIC BUILDING" HISTORIC BUILDING. A building of special architectural or historic interest included in a list compiled or approved by the Minister under section 30 of the Development and Planning Act 1974.
	Add	to the definition of "HURRICANE-PRONE REGIONS 3. Bermuda
	Delete Substitute	Definition of "OWNER" OWNER. Any person having a legal interest in a property or a building.
	Insert	STOREY, FIRST. The storey with its floor closest to grade.

3. USE AND OCCUPANCY CLASSIFICATION

Provision	Requirement	Modification
308.3	Add	Reference should also be made to the "Residential Care and Nursing Homes Regulations 2001"
308.4	Add	Reference should also be made to the "Residential Care and Nursing Homes Regulations 2001"
310.5	Add	Reference should also be made to the "Residential Care and Nursing Homes Regulations 2001"
310.6	Add	Reference should also be made to the "Residential Care and Nursing Homes Regulations 2001"

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4. SPECIAL DETAILED REQUIREMENTS BASED ON USE AND OCCUPANCY

Provision	Requirement	Modification
403.4.7	Insert	"All buildings five stories or more shall be required to provide a mechanical smoke removal system. Natural or mechanical ventilation shall be"
406.4.1	Delete	Vehicle and pedestrian areas accommodating van-accessible parking shall comply with Section 1106.5
419.1	Delete Substitute	Exception Exception: Live/work units that fall within the definition of "Home Occupation" shall comply with the provisions of the Bermuda Residential Building Code 2014

5. GENERAL BUILDING HEIGHTS AND AREAS: No Change

6. TYPES OF CONSTRUCTION: No Change

7. FIRE AND SMOKE PROTECTION FEATURES: No Change

8. INTERIOR FINISHES: No Change

9. FIRE PROTECTION SYSTEMS

Provision	Requirement	Modification
Any relevant provision	Delete	"International Fire Code"
	Substitute	"Bermuda Fire Code 2014"
	Delete	"Building Official"
	Substitute	"Building Official and the Chief Fire Officer"
	Delete	"Fire Code Official" or "Fire Chief"
	Substitute	"Chief Fire Officer"
	Delete	"Fire Department" or "Local Fire Department"
	Substitute	"Bermuda Fire and Rescue Service"
	905.3	Delete
	Substitute	All buildings required to have an automatic sprinkler system shall have a class 1 automatic wet standpipe system installed. The pressure at the most hydraulically remote 2½" fire department connection shall be a minimum of 100 psi.
	Delete	Exception

BERMUDA BUILDING CODE 2014

10. MEANS OF EGRESS

Provision	Requirement	Modification
	Any relevant provision	Delete "International Fire Code" Substitute "Bermuda Fire Code 2014" Delete "Building Official" Substitute "Building Official and the Chief Fire Officer"

11. ACCESSIBILITY

Provision	Requirement	Modification
1109.12.4	Add	The words "in accessible areas" after "lines".

12. INTERIOR ENVIRONMENT

Provision	Requirement	Modification
1203.4.1	Add	Exceptions: 1. Toilet Rooms and Bathrooms shall be provided with a minimum net free area to the outdoors of 1 square foot per toilet or urinal and shall not be ventilated through adjoining spaces. 2. A toilet room or bathroom, any part of which is partitioned or divided into cubicles containing a toilet or urinal, the partitions or divisions between cubicles shall be so constructed as to allow the free circulation of air through the room
1206.3.3	Delete Substitute	1206.3.3 Court Drainage. Every court shall be graded and drained to prevent standing water.

13. ENERGY EFFICIENCY

No Change

14. EXTERIOR WALLS

No Change

BERMUDA BUILDING CODE 2014

15. ROOF ASSEMBLIES AND ROOFTOP STRUCTURES

Provision	Requirement	Modification
1505.2	Insert	In Exception 1 add "Bermuda stone" after the word "masonry"

16. STRUCTURAL DESIGN

Provision	Requirement	Modification
Table 1607.1	Insert in notes n. File Rooms:	Each floor of an office building must have a designated file storage area a minimum 5% of gross floor area. This area must be clearly identified on the floor plans and shall be designed for a minimum uniform live load of 200 psf.
1608.1 to 1608.3	Delete	
1609.3	Delete Substitute	The Basic wind speed for Bermuda shall be taken from figures 1609A,1609B,1609C using the wind contour on the most eastern point on the North Carolina coast
1609.4	Delete	
1610.1	Re-number Insert	1610.2 The following before 1610.2 1610.1 General: Designers should be aware that the risk of earthquake exists in Bermuda and their attention is drawn to 'The Bermuda Earthquake Catalogue' by Martin S.Brewer. (Copies available at the Department of Planning) Consideration of earthquake loads should be taken into account especially when designing multi story, nonsymmetrical eccentrically loaded structures or those containing sensitive equipment.
1612	Delete section	

BERMUDA BUILDING CODE 2014

17. STRUCTURAL TESTS AND INSPECTIONS

Provision	Requirement	Modification
1703.2	Insert	The words "within 90 days" after the word "writing"
1704.2	Delete	Exception 2
1704.2.5	Change	In the final sentence delete the words "agreed upon" and insert "not to exceed than 28 days"

18. FOUNDATIONS AND RETAINING WALLS

Provision	Requirement	Modification
Table 1806.2	Add	6. Sound Bermuda Stone 6000 psf

19. CONCRETE

Provision	Requirement	Modification
1904.1	Re-number	1904.2
1904.2	Re-number	1904.3
	Insert	before re-numbered 1904.2: 1904.1 All reinforcement in concrete foundations, exterior columns, walls and slabs shall be galvanized to a minimum requirement of Class 2 Standard as per ASTM standard A 767 "Galvanizing is not required in the internal structural members of multi storey commercial buildings that are climate controlled and constructed using 30MPa or higher ready mix concrete."

20. LIGHTWEIGHT METALS: No Change

21. MASONRY: No Change

22. STEEL: No Change

23. WOOD: No Change

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24. GLASS AND GLAZING: No Change

25. GYPSUM BOARD AND PLASTER: No Change

26. PLASTIC: No Change

27. ELECTRIC WIRING, EQUIPMENT AND SYSTEMS: No Change

28. MECHANICAL SYSTEMS: No Change

29. PLUMBING SYSTEMS

Provision	Requirement	Modification
2901.1	Delete Substitute	Last sentence Private sewage disposal systems shall conform to a method agreed by the Department of Environmental Health, Environmental Authority and Department of Environmental Protection and designed by a registered design professional.

30. ELEVATORS AND CONVEYING SYSTEMS

Provision	Requirement	Modification
Sec. 3001	Insert	3001.5 Periodic Inspection Intervals. Periodic inspections shall be made annually of all elevators, escalators, dumbwaiters, manlifts and moving walks. Miscellaneous hoisting and elevating equipment, conveyors and amusement devices shall be inspected at such intervals as are deemed necessary by the Building Official. Elevating equipment located in private residences not accessible to the public shall not be subjected to these inspection requirements unless specially identified by the Building Official."

31. SPECIAL CONSTRUCTION: No Change

32. CONSTRUCTION IN THE PUBLIC RIGHT-OF-WAY

Provision	Requirement	Modification
Sec. 3201	Insert	3201.5 Approval. No part of a building or structure shall encroach into the public right-of-way without the express written approval of the applicable governing authority.

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33. SAFEGUARDS DURING CONSTRUCTION

Provision	Requirement	Modification
3301.2	Add	The following after first sentence: "All materials As BBC 1998 and equipment associated with the construction operation shall be stored on the owner's property unless alternative arrangements have been agreed with the Building Official."
3303.4	Add	The words "or at a level deemed appropriate by the Building Official" after the word "authority".
3307.1	Insert	After the word "work": " ... by the person causing such works and at his/her own expense."

33. SAFEGUARDS DURING CONSTRUCTION (continued)

Provision	Requirement	Modification
3307.1	Delete Substitute	Final sentence "Such notification shall be provided prior to submitting a building permit application. A copy of the notice shall be submitted to the Building Official with the building permit application."

34. EXISTING STRUCTURES

Provision	Requirement	Modification
3401.3	Delete Substitute	Entire sub-section "Alterations, repairs, additions and changes of occupancy to existing buildings and structures shall meet the provisions of the adopted codes to the extent deemed necessary by the Building Official in accordance with section 101.6 of the Bermuda Building Code 2014."
3401.4.1	Delete	The words "per Section 116"
3401.5	Delete	Entire sub-section
3401.6	Delete	Entire sub-section
3411.7	Delete Substitute	Exception 1 "1. This provision does not apply to alterations that are less than 50% of the aggregate gross floor area of the original building."
3412	Delete	Entire Section

BERMUDA BUILDING CODE 2014

35. REFERENCED STANDARDS

Provision	Requirement	Modification
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APPENDICES

A-M

Delete

BERMUDA BUILDING CODE 2014

PART III– INTERNATIONAL MECHANICAL CODE 2012 (Modifications)

1. SCOPE AND ADMINISTRATION

Provision	Requirement	Modification
101.1	Delete Substitute	Entire paragraph Title. This code shall be known as the Bermuda Mechanical Code 2014 hereinafter referred to as “this code” or “the code”
101.2	Delete Substitute	Entire Paragraph Exception: Residential Buildings as defined in the Bermuda Residential Building Code 2014
102.1	Delete Substitute	Local, State or Federal Bermuda
103	Delete Substitute	Entire Section 103.1 Administration: The Administration of this code shall be in accordance with Part I of the Bermuda Building Code 2014.
104	Delete	Entire Section
107	Delete	Entire Section
108	Delete	Entire Section
109	Delete	Entire Section
110	Delete	Entire Section

2. DEFINITIONS: No Change

3. GENERAL REGULATIONS

Provision	Requirement	Modification
304.7	Delete Substitute	All text after the word "installed" with the base of the appliance on a platform a minimum of 18 inches (457 mm) above the floor.
307.2.1	Add	Condensate shall not discharge onto a potable water collection roof or other such area.

BERMUDA BUILDING CODE 2014

3. GENERAL REGULATIONS (Continued)

Provision	Requirement	Modification
307.2.2	Add	Where condensate drains receive condensate at a temperature below the ambient dew point of the adjacent space, the drain shall be insulated sufficient to prevent condensation on the surface of the drain.
307.2.3	Add	Where auxiliary and secondary drain systems receive condensate at a temperature below the ambient dew point of the adjacent space, the auxiliary and secondary drain system shall be insulated sufficient to prevent condensation on the surface of the auxiliary and secondary drain system.

4. VENTILATION

Provision	Requirement	Modification
402.2	Add	Exception: 1. Toilet Rooms and Bathrooms shall be provided with a minimum net free area to the outdoors of 1 square foot per toilet or urinal and shall not be ventilated through adjoining spaces. 2. A toilet room or bathroom, any part of which is partitioned or divided into cubicles containing a toilet or urinal, the partitions or divisions between cubicles shall be so constructed as to allow the free circulation of air through the room.
406.1	Delete	Entire section

5. EXHAUST SYSTEMS

Provision	Requirement	Modification
501.3.2	Delete	in structures located in hurricane prone regions, as defined in the International Building Code.

6. DUCT SYSTEMS: No Change

7. COMBUSTION AIR: No Change

8. CHIMNEYS AND VENTS: No Change

9. SPECIFIC APPLIANCES, FIREPLACES AND SOLID FUEL-BURNING EQUIPMENT: No Change

10. BOILERS, WATER HEATERS AND PRESSURE VESSELS: No Change

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- 11. **REFRIGERATION:** No Change
- 12. **HYDRONIC PIPING:** No Change
- 13. **FUEL OIL PIPING AND STORAGE:** No Change
- 14. **SOLAR SYSTEMS:** No Change
- 15. **REFERENCED STANDARDS:** No Change

APPENDIX A-CHIMNEY CONNECTOR PASSTHROUGHS

Delete

APPENDIX B-RECOMMENDED PERMIT FEE SCHEDULE

Delete

PART IV – NATIONAL ELECTRICAL CODE 2011 (Modifications)

ARTICLE 90 INTRODUCTION

Provision	Requirement	Modification
NEC 90.0	Add	"This Code shall be known as the Bermuda Electrical Code 2014 hereinafter referred to as "this code" or "the Code"

1. GENERAL: No Change

2. WIRING AND PROTECTION

Provision	Requirement	Modification
NEC 10.8A(1)	Add	" or within 6 feet of the edge of a sink, bath, shower, hot tub or other permanently installed water vessel."
NEC 210.17	Add	"210.17 Electric Vehicle Branch Circuit. Electric vehicle charging shall be delivered by an individual branch circuit."
NEC 250.106	Insert	See NFPA 780-2011, Standard for the Installation of Lightning Protection systems, "adopted by Bermuda alongside NEC 2011", which contains detailed information on grounding, bonding and sideflash distance from lightning protection systems."

3. WIRING METHODS AND MATERIALS

Provision	Requirement	Modification
NEC 394.1-104	Delete	Delete all. Insert: "394.1 Concealed knob-and-tube wiring shall not be permitted for any new installations."

4. EQUIPMENT FOR GENERAL USE

Provision	Requirement	Modification
NEC 406.9	Delete	A receptacle shall be considered to be in a location protected from the weather where located under roofed open porches ... etc.

BERMUDA BUILDING CODE 2014

4. EQUIPMENT FOR GENERAL USE (Continued)

Provision	Requirement	Modification
NEC 406.9	Add	at end: "The zone measured 3 feet horizontally from the edge of the bathtub, shower or hydro massage unit rim, shall be considered a damp location."

5. SPECIAL OCCUPANCIES: No Change

6. SPECIAL EQUIPMENT

Provision	Requirement	Modification
NEC 680.26B(2)	Add	sub para (c) Equipotent bonding of perimeter surfaces shall not be required where all of the following apply: (1) The spa or hot tub shall be listed as a self-contained spa for above ground use. (b) The spa or hot tub shall not be identified as suitable only for indoor use. (3) The installation shall be located on or above grade and comply with the manufacturer's instructions. (4) The top rim of the spa or hot tub shall be at least 28 in. above all perimeter surfaces that are within 30 in. horizontally from the spa or hot tub. The height of non-conductive external steps for access to the sap or hot tub shall not affect the rim height measurement.
NEC 680.71	Add	to end of paragraph: "No receptacles shall be placed within 3' from the edge of a hydro massage bathtub"
NEC 690.12	Add	Add section: " 690.12 PV Arrays on Buildings Response to Emergency Shutdown. For PV Systems installed on roofs of buildings, photovoltaic source circuits shall be de-energized from all sources within 10 seconds of when emergency shutdown is initiated or when the PV power source disconnecting means is opened. When the source circuits are de-energized, the maximum voltage at the module and module conductors shall be 80 volts."
NEC 690.56 (B)	Add	Add to end of Paragraph: "The marking shall be in accordance with 690.31(E). For PV systems complying with 690.12, the plaque or directory shall include the wording: MAXIMUM VOLTAGE AT ARRAY 80VDC AFTER SHUTDOWN "

BERMUDA BUILDING CODE 2014

6. SPECIAL EQUIPMENT (Continued)

Provision	Requirement	Modification
NEC 690.56 (C)	Add	Add section: "690. 56(C) " PV Arrays on Building with both Utility Service and a PV system operating with string voltages above 600V. PV Systems operating with string voltages above 600V installed on roofs of buildings shall have a rapid shutdown system installed to protect Fire Service Personnel. The rapid shutdown system shall de-energize portions of the conductors beyond 10 ft. of the PV array and any indoor array conductors longer than 5ft. The rapid shutdown system shall have a single switch or disconnect mounted at a Fire Service accessible location. The building directory, fire alarm and the switch shall all be labeled with the following red reflective 3/8" letter sign: " PHOTOVOLTAIC SYSTEM EQUIPPED WITH RAPID SHUTDOWN ".
NEC 690.56 (C)	Continued	The rapid shut down applies to all PV output conductors, inverter inputs, inverter outputs and energy storage units (batteries). The "controlled conductors" shall be limited to not more than 30 Volts and 240 Volt-Amperes within 10 seconds of rapid shut down initiation. The rapid shutdown equipment shall be listed and identified suitable for purpose.

7. SPECIAL CONDITIONS

Provision	Requirement	Modification
NEC 705.12(d)2	Delete section	
	Insert	"(2) Bus or Conductor Ampere Rating. For all bus and feeder ampacity calculations, 125% of the inverter output circuit current shall be used. In systems where inverter output connections are made at feeders, any load taps must be sized based on the sum of 125% of the inverter(s) output circuit current and the rating of the over current device protecting the feeder conductors as calculated in 240.21(B). One of the methods in (a)-(d) shall be used to determine the ratings of busbars in panel boards: (a) The sum of 125% of the inverter(s) output circuit current and the rating of the over current device protecting the busbar shall not exceed the ampacity of the busbar. Informational Note: This general rule assumes no limitation in the number of the loads or sources applied to a busbar or their locations.

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7. SPECIAL CONDITIONS (Continued)

Provision	Requirement	Modification
NEC 705.12(d)2	Insert	<p>(b) Where two sources, one utility and the other an inverter, are located at opposite ends of a busbar that contains loads, the sum of 125% of the inverter(s) output circuit current and the rating of the over current device protecting the busbar shall not exceed 120% the ampacity of the busbar. The busbar shall be sized for the loads connected in accordance with Article 220. A permanent warning label shall be applied to the distribution equipment adjacent to the backfed breaker from the inverter with the following or equivalent wording: WARNING: INVERTER OUTPUT CONNECTION, DO NOT RELOCATE THIS OVERCURRENT DEVICE The warning sign(s) or label (s) shall comply with 110.21(8).</p> <p>Exception: Equipment with multiple ampacity busbars or center fed panel boards are not addressed by this provision:</p> <p>(c) The sum of the ampere ratings of all over current devices on panel boards, both load and supply devices, excluding the rating of the over current device protecting the busbar, shall not exceed the ampacity of the busbar. The rating of the over current device protecting the busbar shall not exceed the rating of the busbar.</p>
NEC 705.12(d)2	Continued	<p>Permanent warning labels shall be applied to distribution equipment with the following or equivalent wording: WARNING: THIS EQUIPMENT FED BY MULTIPLE SOURCES. TOTAL RATING OF ALL OVERCURRENT DEVICES, EXCLUDING MAIN SUPPLY OVERCURRENT DEVICE, SHALL NOT EXCEED AMPACITY OF BUSBAR</p> <p>The warning sign(s) or label (s) shall comply with 110.21(B).</p> <p>(d) Connections shall be permitted on multiple ampacity busbars, or center fed panel boards where designed under engineering supervision that include fault studies and busbar load calculations</p> <p>(3) Marking. Equipment containing over current devices in circuits supplying power to a busbar or conductor supplied from multiple sources shall be marked to indicate the presence of all sources.</p> <p>(4) Suitable for Backfeed. Circuit breakers, if back fed, shall be suitable for such operation. Informational Note: Fused disconnects, unless otherwise marked, are suitable for backfeeding.</p>

BERMUDA BUILDING CODE 2014

7. SPECIAL CONDITIONS (Continued)

Provision	Requirement	Modification
		<p>(5) Fastening. Listed plug-in-type circuit breakers backfed from utility-interactive inverters that are listed and identified as interactive shall be permitted to omit the additional fastener normally required by 408.36(D) for such applications.</p> <p>(6) Inverter Output Connection. Unless the panel board is rated not less than the sum of the ampere ratings of all over current devices supplying it, a connection in a panel board shall be positioned at the opposite (load) end from the input feeder location or main circuit location. The bus or conductor rating shall be sized for the loads connected in accordance with Article 220. In systems with panel boards connected in series, the rating of the first over current device directly connected to the output of a utility-interactive inverter(s) shall be used in the calculations for all busbars and conductors. A permanent warning label shall be applied to the distribution equipment with the following or equivalent wording: WARNING INVERTER OUTPUT CONNECTION DO NOT RELOCATE THIS OVERCURRENT DEVICE. The warning sign(s) or label(s) shall comply with 110.21(B).</p> <p>(7) Wire Harness and Exposed Cable Arc Fault Protection. Utility interactive inverter(s) that have a wire harness or cable output circuit, rated 240V, 30A or less, that is not installed within an enclosed raceway, shall be provided with listed AC AFCI protection."</p>
NEC750	Add section	<p>"750. Energy Management Systems"</p> <p>750.1 Scope. This article applies to the installation and operation of energy management systems.</p> <p>750.2 Definitions. For the purpose of this article the following definitions shall apply:</p> <p>Control. The predetermined process of connecting, disconnecting, increasing, or reducing electric power.</p> <p>Energy Management System. A system consisting of any of the following: monitor(s), communication equipment, controller(s), timer(s), or other device(s), that monitors and or controls an electrical load or a power production or storage source.</p> <p>Monitor. An electrical or electronic means to observe, record, or detect the operation or condition of the electric power system or apparatus.</p>

BERMUDA BUILDING CODE 2014

7. SPECIAL CONDITIONS (Continued)

Provision	Requirement	Modification
NEC750	Add section	<p>750.20 Alternate Power Sources. An energy management system shall not override any control necessary to ensure continuity of an alternate power source for the following:</p> <ol style="list-style-type: none">(1) Fire pumps(2) Health care facilities(3) Emergency systems(4) Legally required standby systems(5) Critical operations power systems <p>750.30 Load Management. Energy management systems shall be permitted to monitor and control electrical loads unless restricted in accordance with any of the following:</p> <p>(A) Load Shedding Controls. An energy management system shall not override the load shedding controls put in place to ensure the minimum electrical capacity for the following:</p> <ol style="list-style-type: none">(1) Fire pumps(2) Emergency systems(3) Legally required standby systems(4) Critical operations power systems <p>(B) Disconnection of Power. An energy management system shall not be permitted to cause disconnection of power to the following:</p> <ol style="list-style-type: none">(1) Elevators, escalators, moving walks, or stairway lift chairs(2) Positive mechanical ventilation for hazardous (classified) locations(3) Ventilation used to exhaust hazardous gas or reclassify an area(4) Circuits supplying emergency lighting
NEC750	Continued	<ol style="list-style-type: none">(5) Essential electrical system in health care facilities <p>(C) Capacity of Branch Circuit, Feeder, or Service. An energy management system shall not cause a branch circuit, feeder, or service to be overloaded at any time."</p>

8. COMMUNICATIONS SYSTEMS: No Change

9. TABLES: No Change

PART V – INTERNATIONAL FUEL GAS CODE 2012 (Modifications)

INTERNATIONAL FUEL GAS CODE

1. SCOPE AND ADMINISTRATION

Provision	Requirement	Modification
101.1	Delete Substitute	Entire paragraph Title. This code shall be known as the Bermuda Fuel Gas Code 2014 hereinafter referred to as “this code” or “the code”
101.2	Delete Substitute	Exception: Entire Paragraph Exception: Residential Buildings as defined in the Bermuda Residential Building Code 2014
102.10	Delete Substitute	Local, State or Federal Bermuda
103	Delete Substitute	Entire Section 103.1 Administration: The Administration of this Per BBC 1998 code shall be in accordance with Part I of the Bermuda Building Code 2014.
104	Delete	Entire Section
106	Delete	Entire Section
107	Delete	Entire Section
108	Delete	Entire Section
109	Delete	Entire Section
110	Delete	Entire Section

2. DEFINITIONS: No Change

3. GENERAL REGULATIONS: No Change

4. GAS PIPING INSTALLATIONS: No Change

BERMUDA BUILDING CODE 2014

- 5. CHIMNEYS AND VENTS:** No Change
- 6. SPECIFIC APPLIANCES:** No Change
- 7. GASEOUS HYDROGEN SYSTEMS:** No Change

APPENDICES

Delete All

BERMUDA BUILDING CODE 2014

PART VI – INTERNATIONAL PLUMBING CODE 2012 (Modifications)

1. SCOPE AND ADMINISTRATION

Provision	Requirement	Modification
110	Delete Substitute	Entire paragraph Title. This code shall be known as the Bermuda Plumbing Code 2014 hereinafter referred to as “this code” or “the code”
101.2	Delete Substitute	Exception: Entire Paragraph Exception: Residential Buildings as defined in the Bermuda Residential Building Code 2014
102.1	Delete Substitute	Local, State or Federal Bermuda
103	Delete Substitute	Entire Section 103.1 Administration: The Administration of this code shall be in accordance with Part I of the Bermuda Building Code 2014 except that for the purposes of administering this code the Building Official shall be the Chief Medical Officer
104	Delete	Entire Section
106	Delete	Entire Section
107	Delete	Entire Section
108	Delete	Entire Section
109	Delete	Entire Section
110	Delete	Entire Section

2. DEFINITIONS: No Change

3. GENERAL REGULATIONS

Provision	Requirement	Modification
314.2.2	Add	Where condensate drains receive condensate at a temperature below the ambient dew point of the adjacent space, the drain shall be insulated sufficient to prevent condensation on the surface of the drain.

BERMUDA BUILDING CODE 2014

3. GENERAL REGULATIONS (Continued)

Provision	Requirement	Modification
314.2.3	Add	Where auxiliary and secondary drain systems receive condensate at a temperature below the ambient dew point of the adjacent space, the auxiliary and secondary drain system shall be insulated sufficient to prevent condensation on the surface of the auxiliary and secondary drain system.

4. FIXTURE, FAUCETS AND FIXTURE FITTINGS: No Change

5. WATER HEATERS: No Change

6. WATER SUPPLY AND DISTRIBUTION

Provision	Requirement	Modification
602.3	Delete 602.3.1 Add	All text after "Individual water supply." Delete All text after "Sources." An individual water supply is a concrete Bermuda water tank, constructed and maintained in accordance with Bermuda regulations, and defined in the Bermuda Residential Building Code 2014, located either under or beside a building or catchment area, which receives rainwater from the building roof or catchment area.
602.3.2	Delete Add	All text after "Minimum quantity." The minimum capacity of the water tank shall be 8 times the plan roof or catchment area in Imperial Gallons measured below the overflow drain. (10 x plan roof area = US Gallons). A tank volume reduction waiver may be granted based on calculated water usage by a registered design professional in cases where a potable public supply is available.
606.5.6	Add	Exception. Rainwater inlet pipes from building roof or catchment area to a Bermuda water tank shall not be restricted by any valve.
606.5.7	Add	Exception. A Bermuda water tank shall not require a tank drain pipe.
606.5.8	Add	Bermuda water tanks shall be located and protected from sources of contamination in accordance with the Bermuda Residential Building Code, 2014.

BERMUDA BUILDING CODE 2014

6. WATER SUPPLY AND DISTRIBUTION (Continued)

Provision	Requirement	Modification
608.11	Delete Add	All text Painting of water tanks, building roofs and catchment areas. The surfaces of any water tank, building roof or catchment area which may come in contact with the potable water supply shall not be lined, painted or repaired with any material that has not been approved for use by the Bermuda Department of Environmental Health.
608.17	Delete Add	Entire section (608.17 - 608.17.8) Ground water supplies or Boreholes. Ground water supplies or boreholes shall be located and constructed as regulated by the Environmental Authority and Department of Environmental Protection.

7. SANITARY DRAINAGE

Provision	Requirement	Modification
701. 2	Delete Add	the International Private Sewage Disposal Code After "in accordance with" add "a method agreed by the Department of Environmental Health, Environmental Authority and Department of Environmental Protection and designed by a registered design professional"

8. INDIRECT/SPECIAL WASTE: No Change

9. VENTS

Provision	Requirement	Modification
903.1	Modify Add	[NUMBER] to "12 inches (305 mm)" After "weather protection" add "or rainwater collection"

10. TRAPS/INTERCEPTORS AND SEPARATORS: No Change

BERMUDA BUILDING CODE 2014

11. STORM DRAINAGE

Provision	Requirement	Modification
1101.2	Add	Exception. Storm drainage for building roof or catchment areas used for potable water collection shall be designed by a registered design professional in accordance with the Bermuda Residential Building Code 2014.
1104.2	Delete	all text after "entirely separate"
1106.1	Delete Add	All text after "hourly rainfall rate" of 5 inches (127 mm) per hour.

12. SPECIAL PIPING AND STORAGE SYSTEMS: No Change

13. GRAY WATER RECYCLING SYSTEMS: No Change

14: REFERENCED STANDARDS: No Change

APPENDICES

Delete All

BERMUDA BUILDING CODE 2014

**PART VII – INTERNATIONAL ENERGY CONSERVATION CODE 2012
(Modifications)**

COMMERCIAL PROVISIONS

1. SCOPE AND ADMINISTRATION

Provision	Requirement	Modification
CI01.1	Delete Substitute	Entire paragraph Title. This code shall be known as the Bermuda Energy Conservation Code 2014 hereinafter referred to as "this code" or "the code"
CI01.5	Delete Add	Residential Buildings shall meet the provisions of IECC - Residential Provisions Residential Buildings shall meet the provisions of the Bermuda Residential Building Code 2014
CI03	Delete Substitute	Entire Section 103.1 Administration: The Administration of this code shall be in accordance with Schedule I of the Bermuda Building Code 2014
104	Delete	Entire Section
106	Delete	Entire Section
107	Delete	Entire Section
108	Delete	Entire Section
109	Delete	Entire Section

2. DEFINITIONS: No Change

3. GENERAL REQUIREMENTS

Sect C301	Delete Add	Entire Section C301.1 General. The Climate zone for Bermuda shall be 2A.
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4. COMMERCIAL ENERGY EFFICIENCY: No Change

5. REFERENCED STANDARDS: No Change

BERMUDA BUILDING CODE 2014

RESIDENTIAL PROVISIONS

Sect RI01	Delete	Entire residential provisions
	Add	Residential Buildings shall meet the provisions of the Bermuda Residential Building Code 2014.

TECHNICAL DIRECTIVE: WIND LOADS

Section 1609.2 – IBC (2012) – “DEFINITIONS”

When referencing this section for wind speed design, for Bermuda, please note the following pending future amendment.

Section 1609 (IBC 2012) – Wind Loads

When considering Bermuda in “Hurricane Prone” region, please take note of the following estimations for wind speed.

<u>Building Categories</u>	<u>Mean Recurring Intervals (Yrs)</u>	<u>10m (3 sec gust) mph</u>
I	300	144
II	700	158
III	1700	172

Please refer to ASCE 7 for further guidance. Proposed alternate design criteria will be granted at the discretion of the BUILDING OFFICIAL.

Please be guided accordingly.

Gordon Ness, Building Control Officer

16th December, 2014