

## **BOABC LEVEL II EXAM #6**

**Beginning April 1, 2015**

### **SCOPE OF PRACTICE**

The Level II Building Official scope of practice includes inspection and plan check for all buildings of three storeys or less in building height, having a building area not exceeding 600 m<sup>2</sup> and used for major occupancies classified as Group C, D, E, and F; Divisions 2 and 3 within the scope of BCBC Part 9. This exam generally includes code provisions in Part 9 which point to or refer the Level II Building Official to Parts 3, 4, 5, 6, and 10.

### **EXAM CONTENT OUTLINE**

The exam **is based on the job tasks** performed by the Level II Building Official. The exam outline is derived from an analysis of the job tasks and is grouped into content areas. The Content Outline shows the number of questions included on the exam for each content area and job task. Questions are referenced to the 2018 BCBC.

<b>LEVEL II – Exam 6</b> 3 hours, 60 Items, Open book		# of Items in Each Task Area 60 Total
<b>01</b>	<b>Compliance and Administrative Requirements (Content Area)</b>	<b>4</b>
0101	<u>Application</u> (Task) Answer general compliance and administration questions about the application and interpretation of the <i>British Columbia Building Code</i> and about plans, specifications, professional design and field review.	4
<b>02</b>	<b>Service Spaces (Content Area)</b>	<b>5</b>
0201	<u>Vertical and Horizontal Service Spaces</u> (Task) Verify code compliance for vertical and horizontal service spaces.	5
<b>03</b>	<b>Health Requirements (Content Area)</b>	<b>5</b>
0301	<u>Plumbing Facilities</u> (Task) Verify that required plumbing facilities are installed in accordance with code provisions including accessible requirements for water closets, water closet compartments, bath and shower, and grab bars.	5
<b>04</b>	<b>Building Requirements for Persons with Disabilities (Content Area)</b>	<b>8</b>
0401	<u>Classification Requirements</u> (Task) Verify code compliance specific requirements and design requirements for different occupancies.	4
0402	<u>Design Requirements</u> (Task) Verify code compliance for all parts of buildings required to be accessible other than plumbing facilities.	4
<b>05</b>	<b>Structural Requirements (Content Area)</b>	<b>14</b>
0501	<u>Structural Design Requirements</u> Verify code compliance for structural members, connections, capacity, and structural integrity.	2
0502	<u>Limit State Design</u> Verify that the conditions of the building structure satisfy code requirements for compliance with serviceability, loading, durability, and fatigue limit state designs.	2
0503	<u>Dead Loads, Live Loads, and Other Loads</u> Verify that the structural components of the building satisfy design requirements for dead loads, live loads, and other loads such as snow, wind, and earthquake loads and effects.	4
0504	<u>Foundations</u> Verify code compliance for foundations including design requirements, materials, excavations, and special foundations.	4
0505	<u>Requirements for Structural Materials &amp; Special Structures</u> Verify code compliance for structural materials including glass, wood, masonry, concrete, steel, aluminum, and other metal materials according to the listing and labeling and approved installation methods.	2

<b>06</b>	<b>Environmental Separation (Content Area)</b>	<b>14</b>
0601	<u>Environmental Separation Requirements</u> (Task) Verify code compliance for Environmental Separation scope, application, loads, and design procedures.	3
0602	<u>Heat Transfer, Air Leakage, and Vapour Diffusion</u> (Task) Verify code compliance for <u>heat transfer, air leakage, and vapour diffusion</u> .	3
0603	<u>Moisture in the Ground and Surface Water</u> (Task) Verify code compliance for Moisture in the Ground and Surface.	2
0604	<u>Sound Transmission Ratings &amp; Classification</u> (Task) Verify code compliance for Sound Transmission Ratings & Classification.	2
0605	<u>Windows, Doors, and Skylights</u> (Task) Verify that windows, doors, and skylights are selected, manufactured, site-built, and installed in compliance with code requirements.	2
0606	<u>Soil Gas Control</u> (Task) Verify that where soil gas controls are required, gas barriers are installed at wall, roof and floor assemblies separating conditioned space from the ground.	2
<b>07</b>	<b>HVAC (Content Area)</b>	<b>5</b>
0701	<u>Design and Installation</u> (Task) Verify that the design and installation code requirements of natural and mechanical ventilation, air duct systems, and other components are met. Verify the installation of adequate heating facilities. Verify Air duct systems comply with code provisions.	4
0702	<u>Carbon Monoxide Detectors</u> Verify installation of carbon monoxide detectors.	1
<b>08</b>	<b>Energy Efficiency (Content Area)</b>	<b>5</b>
0801	<u>Energy Efficiency</u> (Task) Verify energy efficiency code requirements are met.	5