

BOABC LEVEL II EXAMINATION

EXAM CONTENT OUTLINE

The exam is based on the job tasks expressed in terms of a verb or action word describing a part of the work 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 2006 British Columbia Building Code.

LEVEL II – BOABC Building Official 4 hours, 100 Items, Open book		# of Questions
01	General Administrative Requirements (Content Area)	14
0101	<u>Application</u> (Task) Answer general administration questions about the application and interpretation of the <i>British Columbia Building Code</i> and about inspections, plans, specifications and professional design and review.	8
0102.	<u>Materials</u> (Task) Identify the suitability and use of materials according to the listing and labeling and approved installation methods.	3
0103	<u>Structural Requirements</u> (Task) Verify conformance with structural requirements of the code including snow loads, deflections, and foundation conditions.	3
02	Rooms, Spaces, Doors and Windows (Content Area)	12
0201	<u>Room Height</u> (Task) Verify that rooms, including living rooms, kitchens, bedrooms, bathrooms, water-closet rooms, and hallways comply with minimum dimensions, area, and ceiling height.	2
0202	<u>Accessibility Requirements</u> Verify space requirements for the accessibility provisions of the code.	6
0203	<u>Doors</u> (Task) Verify conformance with code requirements for door location, size, type and installation.	2
0304	<u>Windows and Skylights</u> (Task) Verify that windows and skylights have required areas for light and openable areas, that glazing is correctly installed, and has required glass thickness.	2
03	Means of Egress (Content Area)	16
0301	<u>Stairs and Ramps</u> (Task) Verify that stairs and ramps have required tread, width, riser, landing, and headroom dimensions.	4
0302	<u>Handrails and Guardrails</u> (Task) Verify that handrails and guardrails are provided and have the proper dimensions and are installed as required by code.	4
0303	<u>Means of Egress</u> (Task) Verify that egress doors have correct height, width and proper hardware; that windows intended for use as emergency egress have correct clear opening areas, clear width and sill height and that exits have proper access, signs, and lighting.	8
04	Fire Protection (Content Area)	25
0401	<u>Occupancy Classification</u> (Task) Verify occupancy classification, occupant loads and compliance with code requirements.	3
0402	<u>Fire-Resistance Rating</u> (Task) Verify that fire separations between occupancies have correct fire-resistance rating.	3
0403	<u>Fire Protection / Fire Separation</u> (Task) Verify fire protection of openings, penetrations, fire stops, and flame spread limits of materials.	3

0404	<u>Fire Walls</u> (Task) Verify that fire walls meet code requirements.	3
0405	<u>Fire Protection of Means of Egress</u> (Task) Verify fire protection of Means of egress.	3
0406	<u>Interconnected Floor Areas</u> (Task) Verify fire protection of interconnected floor areas	2
0407	<u>Building Size Determination / Mezzanines</u> Verify that building size and mezzanines comply with code provisions.	3
0408	<u>Spatial Separations</u> (Task) Verify that the spatial separation for buildings meets code requirements.	2
0409	<u>Alarm Systems</u> (Task) Verify that alarm and detection systems comply with code; Verify provisions for fire fighting.	3
05	Health and Safety (Content Area)	13
0501	<u>Sound Control</u> (Task) Verify compliance with code provisions for sound transmission ratings.	3
0502	<u>Electrical and Plumbing Facilities</u> (Task) Verify that electrical installations are installed according to code provisions and that lighting outlets are provided as required. Verify that required plumbing facilities and a sewage disposal system are installed and that water supply, distribution and water heating are installed properly.	5
0503	<u>Heat Transfer, Air Leakage, Condensation Control</u> (Task) Verify that wall, ceiling, and floor insulation, and correct placement of air and vapour barriers meet code requirements.	1
0504	<u>Ventilation and Heating</u> (Task) Verify that requirements for natural and mechanical ventilation are met. Verify the installation of adequate heating facilities.	2
0505	<u>Crawl Spaces / Roof Spaces</u> (Task) Verify that crawl spaces have proper access, ventilation, clearance, drainage, ground cover and fire protection. Verify that roof spaces have proper access and ventilation and fire protection.	2
06	Excavation / Footings / Foundations (Content Area)	4
0601	<u>Excavation</u> (Task) Verify that excavations are of the proper depth and verify that backfill meets code requirements.	1
0602	<u>Waterproofing and Dampproofing</u> (Task) Verify that the moisture barrier beneath concrete slabs and for foundation and basement walls meets code requirements for waterproofing and dampproofing. Verify that soil gas control measures meet code requirements. Verify compliance with code provisions for subsurface and surface drainage.	1
0603	<u>Footings and Foundations</u> (Task) Verify that concrete footings have proper depth, reinforcement (where required), and that concrete has required compressive strength and air content. Verify that wood foundations, where permitted, are properly constructed and protected against termites and decay. Verify proper size, height above grade, reinforcement size, type, and grade of foundations.	1
0604	<u>Floors-On-Ground</u> (Task) Verify concrete slabs, proper sizing, placement, support of reinforcement and proper placement/location of control/construction joints meet code requirements.	1
07	Framing	6
0701	<u>General Framing</u> (Task) Verify that roof, wall and floor framing, beams, girders and lintels and wall and floor sheathing meet code requirements. Verify that anchor bolts and other structural fasteners are of proper size, spacing, and installation. Ensure the integrity of framing members and beams from any defects, cutting, drilling, or notching.	6

08	Masonry and Insulating Concrete Form Walls (Content Area)	4
0801	<u>Above-Grade Masonry</u> (Task) Verify that masonry units are of required dimensions and minimum thickness and that alignment of finished work, joint construction, mortar quality, bonding and tying, lateral support, chases and recesses, and installation of cleanouts meet code requirements. Verify masonry reinforcement, adequate size, grade, and clearances	3
0802	<u>Chimneys and Flues</u> (Task) Verify that chimneys and flues are of proper construction, that masonry and concrete chimney construction conform to code and that proper clearance from combustible construction is maintained. Verify that fireplace openings and hearth comply with code requirements, that fireplace walls and liners have the proper dimensions and construction and that a damper is properly installed. Verify clearance of combustible material.	1
09	Exterior Finish (Content Area)	4
0901	<u>Roofing</u> (Task) Verify the proper use of roofing materials appropriate to the type of roof, eave protection, roof underlay, and the proper application of cedar and shake shingles. Verify that build-up roofs comply with code requirements.	3
0902	<u>Exterior Wall</u> (Task) Verify that the exterior cladding, application and attachment meet code requirements. Verify that exterior walls are designed according to code requirements. Verify that wall and roof flashings comply with code requirements.	1
10	Interior Finish (Content Area)	2
1001	<u>Wall and Ceiling</u> (Task) Verify that application and attachment of interior wall and ceiling finishes, meets code requirements.	1
1002	<u>Flooring</u> (Task) Verify that application and installations of flooring materials meet code requirements.	1