

# Final Design Checklist

| Criteria                             |  | Requirements  | Confirm Planned Compliance | Required Documentation   |
|--------------------------------------|--|---|----------------------------|--|
| <b>Building Envelope</b>             |  |   |                            |  |
| A1                                   | Wall Insulation  | Above Ground: Min. ETR = R30 (5.28)<br>Below Ground: Min. ETR = R20 (3.52)  | <input type="checkbox"/>   | Complete assembly drawings with effective R value calculations |
| A2                                   | Roof Insulation  | Flat Roof: ETR R40 (7.04)<br>Peaked Roofs - Ceiling below Attic: ETR R66 (12)   | <input type="checkbox"/>   | Complete assembly drawings with effective R value calculations |
| A3                                   | Floor Insulation   | Over Heated Space: Min. ETR = R35 (6.17)<br>Unheated Floors below and above frost line: Min. ETR = R11.1 (1.96)<br>Heated Floors below grade and in contact with ground: Min. ETR = R21.1 (3.72)                          | <input type="checkbox"/>   | Complete assembly drawings with effective R value calculations |
| A4                                   | Airtightness   | Buildings following ABC Part 9: 1.5 ACH @ 50Pa<br>Buildings following NECB: 0.25L/s m <sup>2</sup> @ 5Pa  | <input type="checkbox"/>   | Envelope air barrier details                                   |
| A5                                   | Window Thermal Transmittance                                     | Max U2 = 1.6  | <input type="checkbox"/>   | Window schedule on drawings or from supplier                   |
| A6                                   | Window to Wall Ratio   | Max WWR = 60%   | <input type="checkbox"/>   | Calculation of window to wall ratio                            |
| <b>Energy Systems</b>                |  |   |                            |  |
| B1                                   | Heat Recovery Ventilator Effectiveness                           | HRV's with min effectiveness of 80% for all units.  | <input type="checkbox"/>   | HRV cutsheet or note on drawings for performance of HRV        |
| B2                                   | Heat Recovery Ventilator Preheat                                 | No electric preheat, use HRV with built-in defrost for frost control.   | <input type="checkbox"/>   | HRV cutsheet or note on drawings for performance of HRV        |
| B3                                   | Sealed Ductwork  | Seal ductwork thoroughly along all seams, joints, connections, penetrations, etc.   | <input type="checkbox"/>   | None   |
| B4                                   | Circulation Pumps (where hydraulic heating systems are provided) | Use variable speed circulation pumps. For Hydronic Loops serving HP, reduce pump speed when less than full flow is needed.  | <input type="checkbox"/>   | None   |
| B5                                   | Heating Controls   | Provide smart room thermostats that are programmable, self-adjusting, have occupancy detection, etc.  | <input type="checkbox"/>   | None   |
| <b>Sustainable Building Features</b> |  |   |                            |  |
| C1                                   | Water Efficient Fixtures and Fixings                             | Maximum flow rates:<br>• WCs: 4.2 litres per flush or 6/3 litre dual flush<br>• Lavatory faucets: 5.7 litres per minute<br>• Kitchen faucets: 6.8 litres per minute<br>• Showerheads: 7.5 litres per minute               | <input type="checkbox"/>   | None   |
| C2                                   | Water Efficient Appliances                                       | Water Efficiency standards:<br>• Clothes washers to be Energy Star front-loading or condensing combination wash/dry units less than 25 litres/cycle/cubic foot.<br>• Dishwashers to use less than 20 L of water per load. | <input type="checkbox"/>   | None   |
| C3                                   | Energy Efficient Appliances                                      | Major appliances shall be "Energy Star" rated, including:<br>• Fridge<br>• Dishwasher<br>• Stove<br>• Washing Machine/Dryer   | <input type="checkbox"/>   | None   |
| C4                                   | Air Filtration   | Install minimum MERV 8 air filtration on all central air handling systems.  | <input type="checkbox"/>   | Drawings indicating requirements                               |
| C5                                   | Solar-ready Trusses  | Provide photovoltaic certified trusses for peaked roofs.  | <input type="checkbox"/>   | None   |
| C6                                   | Post-Construction Building Flush                                 | After all construction and prior to occupancy perform a full building flush for at least 48 hours at maximum outdoor air setting.<br>Provide new filters in the air handler after the flush is complete.                  | <input type="checkbox"/>   | None   |
| C7                                   | Construction Waste Reduction                                     | Include a comprehensive recycling program during construction including education, site signage and separate bins for at least cardboard, wood and drywall.   | <input type="checkbox"/>   | None   |

# Checklist Green Building

**KJ Lindholm-Leary**



## **Checklist Green Building:**

Green Building Andrea Keenan, Danielle Georges, 2002 A guide to estimating designing and building sustainable construction

**ICSBE 2022** Ranjith Dissanayake, Priyan Mendis, Kolita Weerasekera, Sudhira De Silva, Shiromal Fernando, Chaminda Konthesingha, Pradeep Gajanayake, 2023-08-09 This book highlights the latest knowledge and innovations in the fields of civil engineering and construction industry striving for a sustainable built environment It consists of high quality and innovative research findings selected from the proceedings of the 13th ICSBE 2022 under the themes of sustainable construction urban green infrastructure and planning rainwater harvesting and water conservation high performance concrete indoor environmental quality and indoor plants wind and hydro power energy waste and wastewater management for enhanced sustainability impacts of climate change carbon footprint global climate model and landscaping material flows and industrial ecology sustainable materials etc

**California Green Building Standards Code** California Building Standards Commission, 2010-05-15 The nation's first mandatory green building code is here stay ahead of the game by knowing it The California Green Building Standards Code CGBSC also referred to as CALGreen contains regulations for energy efficiency water efficiency and conservation material conservation and resource efficiency environmental quality and more It includes mandatory provisions for a variety of types of buildings from commercial and low rise residential to public schools And the code's valuable appendices include voluntary provisions for all of these occupancies and add hospitals Logically organized with residential and non residential provisions in separate chapters the 2010 CA GREEN BUILDING STANDARDS CODE TITLE 24 PART 11 is informative thorough and most of all easy to use Check out our app DEWALT Mobile Pro™ This free app is a construction calculator with integrated reference materials and access to hundreds of additional calculations as add-ons To learn more visit dewalt.com/mobilepro

**Congressional Record** United States. Congress, 2008 The Congressional Record is the official record of the proceedings and debates of the United States Congress It is published daily when Congress is in session The Congressional Record began publication in 1873 Debates for sessions prior to 1873 are recorded in The Debates and Proceedings in the Congress of the United States 1789 1824 the Register of Debates in Congress 1824 1837 and the Congressional Globe 1833 1873

**Green Buildings Checklist** British Columbia. Ministry of Finance and Corporate Relations, 2000

**Journal of the House of Representatives of the United States** United States. Congress. House, 2009 Some vols include supplemental journals of such proceedings of the sessions as during the time they were depending were ordered to be kept secret and respecting which the injunction of secrecy was afterwards taken off by the order of the House

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This book delves into Checklist Green Building. Checklist Green Building is a crucial topic that needs to be grasped by everyone, ranging from students and scholars to the general public. The book will furnish comprehensive and in-depth insights into Checklist Green Building, encompassing both the fundamentals and more intricate discussions.

1. This book is structured into several chapters, namely:
  - Chapter 1: Introduction to Checklist Green Building
  - Chapter 2: Essential Elements of Checklist Green Building
  - Chapter 3: Checklist Green Building in Everyday Life
  - Chapter 4: Checklist Green Building in Specific Contexts
  - Chapter 5: Conclusion
2. In chapter 1, this book will provide an overview of Checklist Green Building. This chapter will explore what Checklist Green Building is, why Checklist Green Building is vital, and how to effectively learn about Checklist Green Building.
3. In chapter 2, this book will delve into the foundational concepts of Checklist Green Building. The second chapter will elucidate the essential principles that need to be understood to grasp Checklist Green Building in its entirety.
4. In chapter 3, this book will examine the practical applications of Checklist Green Building in daily life. The third chapter will showcase real-world examples of how Checklist Green Building can be effectively utilized in everyday scenarios.
5. In chapter 4, this book will scrutinize the relevance of Checklist Green Building in specific contexts. The fourth chapter will explore how Checklist Green Building is applied in specialized fields, such as education, business, and technology.
6. In chapter 5, this book will draw a conclusion about Checklist Green Building. The final chapter will summarize the key points that have been discussed throughout the book.

The book is crafted in an easy-to-understand language and is complemented by engaging illustrations. This book is highly recommended for anyone seeking to gain a comprehensive understanding of Checklist Green Building.

<https://ftp.thebrandexperience.com/About/book-search/Documents/soviet%20foreign%20policy%20in%20an%20uncertain%20wo.pdf>

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of the Affair, The (The Classic Collection) The End of the Affair, set in London during and just after World War II, is the story of a flourishing love affair between Maurice Bendrix and Sarah Miles. The End of the Affair (1955) In WW2 London, a writer falls in love with the wife of a British civil servant but both men suspect her of infidelity with yet another man. The End of the Affair eBook : Greene, Graham: Kindle Store The book is an excellent psychological study of Sarah and her life changing decisions and their effect on Bendrix, Henry and another important character, Smythe ... No 71 - The End of the Affair by Graham Greene (1951) Jan 26, 2015 — Graham Greene's moving tale of adultery and its aftermath ties together several vital strands in his work, writes Robert McCrum. The End of the Affair | Graham Greene, 1955, Catholic faith The novel is set in wartime London. The narrator, Maurice Bendrix, a bitter, sardonic novelist, has a five-year affair with a married woman, Sarah Miles. When a ... Graham Greene: The End of the Affair The pivotal moment of Graham Greene's novel The End of the Affair (1951) occurs in June 1944 when a new form of weapon strikes home: the V-1, the flying ... The End of the Affair Based on a novel by Graham Greene, this is a romantic drama set during World War II that is in many ways a standard love triangle involving a guy, his best ...