Research Skills
BLDG 2172
Technical Report

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Educational Resources
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Accessing articles, e-journals, databases, e-books & more

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Book an appointment for help with your research. Include a brief description of your topic. 
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Research Guide: Green Construction

- Case Studies
- Incentives
- Retrofit Guides
- Regulation (includes Toronto bylaws)

The Green Construction Research Guides can be accessed from the Library Homepage under the Research Guides by Subject Link and then the Construction Technologies drop down menu.
Construction/Architecture Desktop Folder

ON ALL LLC DESKTOPS

[Image of desktop screen with folder contents and icons]
Print and Online

Information Sources

CSA Standards

Online

CCOHS - EnviroOSH Legislation Plus Standards

Includes CSA Standards

- Go to database
- Scroll down to EnviroOSH Legislation Plus Standards
- Scroll down to CSA link
- Browse by Standard

OR

- Keyword Search (e.g. concrete, bridge, asphalt)

Images from CSA Standards bookstores
http://shop.csa.ca/
Information Sources

Periodicals

Newspapers
- local news, current events

Magazines
- news, popular issues

Trade Journals
- professional & industry news

Academic Journals
- advanced & scholarly research

* Image citations listed in notes field. (Images listed as 1-4 from left to right)
Information Sources
Books and E-Books

Reference for quick definitions or explanations

focused coverage
in-depth information
specific topics
related topics
historical discussions

Images courtesy of GBC LLC Library Catalogue
http://georgebrown.ods.ca/
Database Searching

You don’t need the whole sentence

➤ Choose Keywords

People don’t all think/speak or write the same

➤ Think of common words/themes

Use AND  OR

➤ AND = All these words
  (most of our databases default to an implied AND)
  ➤ OR = Either of these words
    (house or home)

Use quotations for phrases (2 or more words)

➤ “building information modeling”
Sample Topic: Does BIM create more sustainable buildings

- **Identify key concepts**
  - BIM
  - Sustainable

Combine key concepts with **AND**

*BIM and Sustainable*

- **Identify synonyms or “like concepts”**
  - BIM (Building Information Modeling)
  - Sustainable (environmental or green)

Combine synonyms with **OR and ()**

*(BIM or “Building Information Modeling”) and (sustainab*or green or environmental)*

- Look at words you want to truncate *
  - Sustainab* (sustainable and sustainability)

- Look at phrases (2 words or more)
  - (“building information modeling”)
Identifying Databases

- **Wilson Applied Science**
  - Covers many engineering journals
  - Products
- **Science Direct**
  - Covers a wide range of science journals
  - Includes environmental science
- **Academic Search Premier**
  - General arts and science database
  - Construction trade journal coverage
  - Environmental journals and magazines
- **Business Source Complete**
  - Good trade journal coverage for construction
  - Management journals are well covered
- **CBCA and Canadian NewsStand**
  - Canadian Coverage
  - Daily Commercial News
- **Building Green Suite**
  - Products, Case Studies, Articles
BuildingGreen Suite

- **Green Products**
  - Search by Product Categories
  - Green Attributes
  - LEED Categories

- **LEED Credits**
  - Find Products for each LEED Credit
  - Stories and Resources on LEED

- **Search Box (top right corner)**
  - BIM (Building Information Modeling)
  - Sustainable (environmental or green)

- **Case Studies**
  - 366 High Performance Building Case Studies
  - 200 LEED Certified building included
Starting Your Research

www.georgebrown.ca/llc
Toronto Bylaws

- **Bylaw Registry Search**
  - Search Toronto bylaws by number of keyword
  - Limit by date range

- **Municipal Code**
  - Compilation of common, citywide bylaws

- **Toronto Zoning Bylaw**
  - Includes single city-wide zoning bylaw
  - Interactive zoning map
Incentive Programs
City of Toronto

- **City of Toronto: Grants, Incentives and Tips**
  - Includes several green incentive programs offered by the City of Toronto, including the Green Your Roof and the Home Energy Loan Program

- **City of Toronto: Programs for Business**

- **TAF: Toronto Atmospheric Fund**
  - Includes grants and loans for green improvements in high-rise and commercial buildings in Toronto
Incentive Programs Provincial and Federal

  - Provides a province by province search of financial assistance programs around energy efficiency initiatives. There are many programs included for both new builds and retrofits.

- **Ontario Ministry of Energy - Incentive Programs for Business**
  - This site has a link to incentive programs for property developers and builders

- **Ontario Ministry of Energy - Incentives Programs for Home**
  - This site offers links to incentive programs for energy efficiency initiatives for single and multiple unit housing