



## **Tapping the Future: CSC Student Design Challenge 2024**

**[cscdesignchallenge.ca](https://cscdesignchallenge.ca)**



Student Design Challenge 2024: *"Tapping the Future"*

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SECTION 00 11 16 - INVITATION TO THE CSC STUDENT DESIGN CHALLENGE

**PART - 1      GENERAL**

**1.1          INVITATION**

- .1 Construction Specification Canada (CSC) Grand Valley and Toronto Chapters invite you enter into a design competition. This competition is open to all current post-secondary school students in Ontario with an interest in construction-related activities such as architecture, landscape architecture, engineering, interior design, construction management, innovative products, and manufacturing.
- .2 Entries can be submitted by individuals, or by teams consisting of up to 4 people.

**1.2          CLIENT**

- .1 Your 'Client' is the CSC, and the chief organizing committee is comprised of the Grand Valley and Toronto Chapters.

**1.3          PROJECT DESCRIPTION AND SCOPE**

- .1 Location: Building A, 50 Grand Avenue S., Cambridge, ON.
- .2 Building A is one of the buildings in the Gas Light District in Cambridge (Galt) Ontario. Founded in 1859, a Canadian manufacturer of woodworking machinery and steam engines, The Goldie & McCulloch Company Ltd., operated its factories on the site for 120 years until its closure in 1980. The site is now undergoing revitalization as The Gaslight District which will be a hub of residential, boutique shops and restaurants, modern work environments, and cultural attractions within the historical complex. Building A is a 2 storey, limestone building with 22,000 sq.ft.
- .3 Focus/Theme: This year's theme is hospitality. The site could include amenities like a bar, boutique hotel, restaurant, etc. The sky is the limit.
- .4 Community: The competition this year continues to embrace the context of being current and relevant. HIP Developments has agreed to partner with CSC. Our competition will run parallel to the actual renovation of the building to make upgrades and prepare shell space for future tenants.

**1.4          DESIGN CRITERIA**

- .1 The existing building is a real building, but your design will be theoretical and without budgetary constraints. Be mindful of the building's attributes and be innovative in your intervention.



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- .2 Design Concept:
  - .1 The idea of design concept is very important. Typically conveyed in 1 to 2 sentences, the design concept provides a statement or thesis on a project 'problem' and a proposed design 'solution'. The design concept informs the decisions made throughout the design process and should be supported through research. A good design concept will elevate the design to a higher level of thinking and personal awareness.
  - .2 Entries should be based on a clear design concept. This will be critical to the juror's ability to evaluate each submission and assess the design concept 'solution' put forth in the design itself, how the design is presented, the choice of materials, and other factors.
- .3 Mandatory Materials:
  - .1 Entries must incorporate five of the following ten product categories into their design.
    - .1 Natural Stone.
    - .2 Acoustic Treatment.
    - .3 Decorative Metal.
    - .4 FSC (Forestry Stewardship Council) Certified Wood.
    - .5 Glass.
    - .6 Architectural Coatings.
    - .7 Light Diffusing product.
    - .8 LED lighting.
    - .9 Living wall and/or green roof.
    - .10 Rainwater reuse and/or storage.
  - .2 Research and understanding of materials each of the five categories selected must be showcased as part of your submission.

### **1.5 JUDGING CRITERIA**

- .1 Your design will be evaluated based on the following criteria categories, with each category being weighted equally in the evaluation:
  - .1 Competition requirements completion.
  - .2 Use of Site and Existing building.
  - .3 Quality of graphic material.
  - .4 Quality of written material.
  - .5 Quality of specification section.



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- .6 Use of requested materials.
- .7 Innovation.

### **1.6 EXISTING BUILDING INFORMATION**

- .1 Existing building drawings can be found on the iGuide website: <https://goiguide.com/csc>. The constraints, requirements, and rewards are outlined in the competition document set available on the competition website, [www.cscdesignchallenge.ca](http://www.cscdesignchallenge.ca).

### **1.7 INCENTIVE**

- .1 Monetary Incentive: The winning entries will be awarded cash prizes as follows:
  - .1 1st place - \$2,000.
  - .2 2nd place - \$1,000.
  - .3 3rd place - \$500.
- .2 Publicity incentive: The results of the competition will be published in Construction Canada Magazine.

### **1.8 REGISTRATION**

- .1 Registration Opens: Monday, October 16, 2023.
- .2 Registration Closes: Midnight, Monday, April 29, 2024.
- .3 Fee: \$25.00. Register on [Karelo](http://www.karelo.com) (www.karelo.com, search "CSC Grand Valley Student Design Challenge").

### **1.9 SUBMISSIONS**

- .1 All participants must register before submissions. Submissions must be uploaded before: Midnight, Monday, May 6, 2024.

### **1.10 ENQUIRIES**

- .1 Enquiries can be made at: [info@cscdesignchallenge.ca](mailto:info@cscdesignchallenge.ca)

End of Section



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SECTION 00 21 16 - CHALLENGE INSTRUCTIONS

**PART - 1      GENERAL**

**1.1      SUBMITTAL REQUIREMENTS - POSTERS**

- .1 Provide presentation poster meeting the following minimum criteria:
  - .1 Poster size and quantity:
    1. Maximum quantity: 3.
      - .1 2 of the 3 posters will be showcased if entry places in the top 5. Indicate which 2 panels you would like displayed.
      - .2 Ensure contrast between print and background so that it is easily read.
    2. Size: 24" x 36".
    3. File type: PDF (Portable Document Format).
    4. Minimum DPI (dots per inch): 150 dpi.
  - .2 Concept statement: Include "Convey your Theme" - maximum 250 words on poster.
  - .3 Minimum drawing criteria:
    1. Scale the drawings to convey the intent and be legible, keeping a minimum scale of 1:200 mm.
    2. Include the following drawings on the posters:
      - .1 Floor Plan of each floor.
      - .2 Reflected ceiling plan of each floor.
      - .3 Two interior perspectives.
      - .4 One exterior elevation showing Restaurant signage.
      - .5 Two interior sections, each illustrating both floors and two interior elevations covering key elevations not illustrated in sections.

**1.2      SUBMITTAL REQUIREMENTS - MATERIAL SAMPLE FINISH BOARD**

- .1 Provide a material sample finish board with physical material samples from your design concept.



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- .2 Label all materials and indicate location in design concept.
  - .1 Sample finishes board size and quantity:
    - 1. Maximum quantity: 1.
    - 2. Size: 24" x 36".
  - .2 Electronic Submission: For the electronic submission, include a photograph (jpg) of your material sample finish board. Ensure all labels are legible.

**1.3 SUBMITTAL REQUIREMENTS - BOOKLET**

- .1 Provide booklet meeting the following minimum criteria:
  - .1 Booklet size and quantity:
    - 1. Size: 8-1/2" x 11".
    - 2. Quantity: 1 Booklet.
  - .2 Concept description:
    - 1. Maximum 800 words.
  - .3 Specification of one of the five products selected from the ten options below, based on CSC recommended format and presentation style:
    - 1. Natural Stone or Tile.
    - 2. Acoustic Treatment.
    - 3. Decorative Metal.
    - 4. FSC/SFI/CSA Wood.
    - 5. Glass.
    - 6. Architectural Coatings.
    - 7. Light Diffusing Product.
    - 8. LED Lighting.
    - 9. Wall and/or Green Roof.
    - 10. Rain Water Reuse and/or Storage.
  - .4 Description and location of the specific materials individually chosen to address each five of ten categories selected and incorporated into your design from list above.

**1.4 SUBMITTAL PROCEDURE - ELECTRONIC SUBMISSION**

- .1 Submit your initial submissions electronically using Dropbox file sharing system. Do not forget to pay your registration fee prior to submittal (refer to 'Invitation to Design Challenge' document).



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- .2 You will be required to create a Dropbox account, and you will be responsible for uploading your own submissions. Your submissions will only be shared with, and be viewable by, the CSC Student Design Challenge committee.
- .3 Please follow the following instructions to create a Dropbox account, create a folder to share with the CSC Student Design Competition Committee, and upload your submissions for entry into the competition:
  - .1 Go to <https://www.dropbox.com/>. On the top right corner click on "Log in", then click on "Create an account". You will require an active email address.
  - .2 Once you have created an account, you will need to log in to create and share a folder with the CSC Student Design Challenge Committee. You can log in here: <https://www.dropbox.com/register#login>
  - .3 Once you have logged in, there are tabs on the left-hand side of your screen that say "Dropbox", "Sharing", "Links", "Events", and "Get Started". Click on the "Sharing" tab.
  - .4 Then click on the tab near the top of your screen that says "Share a folder".
  - .5 A pop-up will give you two options to create and share a new folder or share an existing folder. Choose the former and create a folder with this name type "CSC-SDC - FirstName LastName". Click "Next".
  - .6 You will then be asked to invite collaborators to this folder. Please enter the email address "info@cscdesignchallenge.ca". Click "Next" and you are done creating and sharing a folder.
  - .7 To upload your submissions, you must open your folder and click on the "Upload" icon near the top.
  - .8 Submissions will then be shared with the CSC Student Design Challenge committee who will assess them and contact the finalists.
  - .9 Please contact us at "info@cscdesignchallenge.ca" if you encounter any issues.

### **1.5 SUBMITTAL PROCEDURE – MAXIMUM ELECTRONIC FILE SIZE**

- .1 Maximum total electronic file size for electronic submissions is 25 MB.

End of Section