

June 2022

CISC Architectural Student Design Competition Submission Criteria

Competition Objective

The aim of the competition is to introduce students to the use of exposed structural steel and show the design potential of formal expression, detailing and surface finish.

Proposals must exclusively use steel in the design of the structure and for surfaces where appropriate. The design must demonstrate an understanding of the properties and possibilities steel has to offer.

The competition theme requires students to:

- elaborate a structural frame with steel elements
- design buildable connections
- collaborate with a steel fabricator to choose the steel members and their connections

Collaborative Process

Collaboration between designer(s) and fabricator(s) is encouraged to familiarize students with the industry and allow them to develop a realistic and buildable proposal.

Students and faculty sponsors are encouraged to seek advice and guidance from a local steel fabricator to help choose the right steel sections and elaborate the design. CISC can suggest on request names of steel fabricators.

Online Registration

To register, go to the CISC website (<https://www.cisc-icca.ca/architectural-student-design-competition/>) and select Registration. Create an account, complete and submit the registration form. Registration allows students to receive Q&A and be informed of latest competition updates.

Online Project Submission

To submit your proposal, click on the link received in your registration confirmation email or go to the CISC website (<https://www.cisc-icca.ca/architectural-student-design-competition/>) and select Submission. Simply log into your account and attach a single project file in PDF format.

Submission site opens on May 1, 2023.

All entries must be received by 5:00 p.m., ET on May 12, 2023.

Presentation Format

The submission must be presented on a maximum of three (3) A1 size panels, landscape orientation, in a single PDF file with images at a minimum resolution of 300 dpi. The file must be no larger than 25 MB with fonts included and generated directly from the graphic design software so as to retain the vector graphics. Do not include any printer's marks, security protection or restrictions. Any other type of presentation will be disqualified.

The names of participants, their schools and faculty sponsors must not appear on the panels.

Required Presentation Elements

The presentation panels must at minimum include the following:

- 1 site plan at a scale that includes significant elements of the context with North arrow
- 1 ground plan (1:50)
- 1 elevation (1:50)
- 1 cross section (1:50)
- 2 detail connections (1:5)
- 2 or more rendered views
- images of the type of steel and its finish
- 1 list or chart of AESS categories with the parts to which they apply

The scale for each drawing is for indicative purposes. Other scales may be used if more appropriate to represent the proposal in the document format.

Judging

Proposals will be verified for conformity. Valid proposals will be scored individually by each jury member according to the 5 criteria listed below. The jury will meet in a final round to select, amongst the 10 finalist projects who received highest score, the 3 Prizes of Excellence.

Scoring and judging will be based on the following criteria:

- Aesthetics and ingenuity
- Incorporation of competition theme
- Use of structural steel
- Buildability (specification of steel sizes and shapes)
- AESS finish

Summary Publication & Exhibit

The 3 winning projects and 7 other finalists will be featured on the CISC website (<https://www.cisc-icca.ca/architecture-student-design-competition/>).

By submitting an entry, the participant grants the CISC the right to display, reproduce, publish or print presentations with credit given to the authors.

In addition, all the finalist entries will be printed on A1 poster boards by the CISC and displayed at various CISC Regional Design Award events and participating architecture programs in Canada for one year.