

Skills Canada National Competition

SCOPE DOCUMENT	
Competition Year	2012
Competition location	Edmonton, AB
Trade Number	52
Trade Name	Architectural Technology and Design
Level	Secondary

1. INTRODUCTION

1.1 Purpose of the Challenge. To Create is to Understand

To assess the competitor' skills in performing design and drawing tasks.

To assess the competitors' abilities to apply the following key themes:

Architecture - envelope design, space planning, materials selection, and CWFHC handbook

Engineering - structural systems, spans, basic mechanical and electrical systems integration.

Construction - regulatory building codes, assembly, use of drawing tools

1.2 Duration of contest.

12 hours

1.3 Skills and Knowledge to be tested.

Computer Aided Design Drafting (CADD) and sketching techniques. The contestant will be challenged with interpreting instructions, working with scales or other measuring devices, reading and developing sketches, and/or specifications for a residential or a commercial building project.

2. CONTEST DESCRIPTION

2.1 List of documents produced and timeline for when competitors have access to the documents.

DOCUMENT	DATE OF DISTRIBUTION VIA WEBSITE
No other documents will be release prior to the competition	

2.2 Tasks that may be performed during the contest

- Pre-requisites
 - CADD

- Planning and design concepts
- Measuring, detailing and sketching skill
- Basic building M&E systems
- Wood frame construction
- Presentation skills

3. EQUIPMENT, MATERIAL, CLOTHING

3.1 Equipment and material provided by Skills/Compétences Canada

- Windows compatible hardware
- AutoCAD 2012, AutoCAD LT, Architectural Desktop 2012, Revit 2012,
- Laser printer (11x17)

3.2 Equipment and material provided by the competitor

- Drawing and measuring tools (Metric and Imperial)
- If alternate software is desired, it will require prior approval by the National Technical Committee minimum 1 month before the competition.
- No software reference manuals, textbooks or electronic data (e.g. CD or diskette), will be permitted for the duration of the competition.
- CMHC Wood-Frame Construction handbook will be permitted.
- Only diskettes submitted to the contestant during the contest will be authorized for use.
- Scales (metric and imperial)
- Calculator
- Pencil
- Paper

3.3 Required clothing (Provided by competitor)

- n/a.

4. SAFETY REQUIREMENTS

4.1 List of required personal protective equipment(PPE) provided by competitors

- | | | |
|---|--|---|
| <input type="checkbox"/> Safety Glasses | <input type="checkbox"/> CSA approved Safety shoes | <input type="checkbox"/> Latex gloves |
| <input type="checkbox"/> Safety Gloves | <input type="checkbox"/> Welding helmet | <input type="checkbox"/> Dust Mask |
| <input type="checkbox"/> Hard Hat | <input type="checkbox"/> Welding gloves | <input type="checkbox"/> Leather gloves |
| <input type="checkbox"/> Hearing protection | <input type="checkbox"/> Respiratory protection | <input checked="" type="checkbox"/> No PPE required |

4.2 List of required personal protective equipment(PPE) provided by Skills/Compétences Canada (SCC)

- Safety Glasses CSA approved Safety shoes Latex gloves
 Safety Gloves Welding helmet Dust Mask
 Hard Hat Welding gloves No PPE required
 Hearing protection Respiratory protection No additional PPE will be supplied by SCC

5. ASSESSMENT

5.1 Point breakdown

POINT BREAKDOWN	/1000
Technical Drawings (design/presentation)	300
Accuracy of drawing	200
Compliance to standards	200
Design Concept	200
Others (Sketch, etc.)	100

6. ADDITIONAL INFORMATION

6.1 Consecutive translation

If consecutive translation is required on site, the Skills/Compétences Canada Provincial/Territorial offices must advise Skills/Compétences Canada National Secretariat a minimum of 1 month prior to the competition or this service might not be guaranteed.

6.2 Software requirements

If French software is required the Skills/Compétences Canada Provincial/Territorial offices must advise Skills/Compétences Canada National Secretariat a minimum of 1 month prior to the competition or this software might not be guaranteed.

6.3 Computer keyboard requirements

English Keyboards will be provided, if a French keyboard is required the Skills/Compétences Canada Provincial/Territorial offices must advise Skills/Compétences Canada National Secretariat a minimum of 1 month prior to the competition or this keyboard might not be guaranteed.

6.4 Tie (No ties are allowed)

In the event of a tie in scoring, the tie will be broken by the judges re-evaluating the relevant documents of the tied competitors.

6.5 Competition rules

Please refer to the competition rules for all general SCNC information.

7. NATIONAL TECHNICAL COMMITTEE MEMBERS

Region	Name	Email address
Pacific Region	Lloyd Bloomfield	lbloomfi@epsb.ca
Western Region	Greg Wheler	wheler@saiat.sk.ca
Ontario	David Wray	wrayd@hotmail.com
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