



CONTEST DESCRIPTION / DESCRIPTION DE CONCOURS

# ARCHITECTURAL TECHNOLOGY & DESIGN DESSIN ET TECHNOLOGIE ARCHITECTURALE

SECONDARY /  
NIVEAU SECONDAIRE

## Table of Contents

<b>1 THE ESSENTIAL SKILLS FOR CAREERS IN THE SKILLED TRADES AND TECHNOLOGY.....</b>	<b>3</b>
<b>2 CONTEST INTRODUCTION.....</b>	<b>3</b>
<b>3 CONTEST DESCRIPTION.....</b>	<b>4</b>
<b>4 EQUIPMENT, MATERIAL, CLOTHING.....</b>	<b>4</b>
<b>5 SAFETY REQUIREMENTS.....</b>	<b>5</b>
<b>6 ASSESSMENT.....</b>	<b>5</b>
<b>7 ADDITIONAL INFORMATION.....</b>	<b>5</b>
<b>8 NATIONAL TECHNICAL COMMITTEE MEMBERS.....</b>	<b>6</b>

## 1 THE ESSENTIAL SKILLS FOR CAREERS IN THE SKILLED TRADES AND TECHNOLOGY

SCC is currently working with Employment and Social Development Canada (ESDC) in order to bring awareness to the importance of Essential Skills that are absolutely crucial for success in the workforce. Part of this ongoing initiative requires the integration and identification of Essential Skills in contest descriptions, projects, and project documents. The next phase and very important aspect of our Essential Skills (ES) initiative is to provide an ES report card to each competitor at the Skills Canada National Competition. The purpose of the ES report card is to inform the competitor about their current level of essential skills based on their competition scores. With this knowledge, the competitor will be made aware which essential skill may require improvement. Full implementation is expected in the 2017 Skills Canada National Competition.

The following 9 skills have been identified and validated as key essential skills for the workplace in the legend below:

*<sup>1</sup>Numeracy, <sup>2</sup>Oral Communication, <sup>3</sup>Working with Others, <sup>4</sup>Continuous Learning, <sup>5</sup>Reading Text, <sup>6</sup>Writing, <sup>7</sup>Thinking, <sup>8</sup>Document Use, <sup>9</sup>Digital*

These essential skills have been identified with in section 2.4 and/or 3.2 of your Contest Description. The top three Essential Skills for your area of competition have been identified on your Project and all other supporting project documents.

## 2 CONTEST INTRODUCTION

**2.1** Description of the associated work role(s) or occupation(s).  
<http://skillscompetencescanada.com/en/careers/information-technology/architectural-technology-design/>

**2.2** Purpose of the Challenge.

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 and spans.
- Construction - regulatory building codes and construction assemblies.

**2.3** Duration of contest.  
12 hours

## 2.4 Skills and Knowledge to be tested.

- The contestant will be challenged with interpreting instructions, reading and developing sketches, and/or specifications for a residential project<sup>8</sup>. The contestant will develop a set of residential working and presentation drawings.

## 3 CONTEST DESCRIPTION

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

DOCUMENT	DATE OF DISTRIBUTION VIA WEBSITE
Test Project	January 2017

### 3.2 Tasks that may be performed during the contest

- Preparation of Working/Presentation Drawings<sup>8</sup>
- BIM / CADD<sup>9</sup>
- Planning and design concepts<sup>7</sup>
- Measuring/scaling, detailing and sketching skill<sup>1</sup>
- Wood frame construction
- Presentation skills

**Note:** Competition test will include floor plans, elevations, section(s) and construction detail(s).

*Essential Skills – <sup>1</sup>Numeracy, <sup>8</sup> Document Use, <sup>9</sup>Digital*

## 4 EQUIPMENT, MATERIAL, CLOTHING

### 4.1 Equipment and material provided by Skills/Compétences Canada

- Windows compatible hardware
- AutoDesk 2017 Products (AutoCAD, AutoCAD Architecture, Revit)
- Laser printer (11x17) and/or plotter

#### 4.2 Equipment and material provided by the competitor

- If alternate software is desired, it will require prior approval by the National Technical Committee minimum 1 month before the competition. Software must be supplied by Competitor and used on computers supplied by Skills (no use of personal computers)
- CMHC Wood-Frame Construction handbook will be permitted. (Digital or Hardcopy)
- Scales (metric and imperial)
- Calculator
- Pencil
- Paper
- Empty USB Drive
- Software reference manuals, Textbooks and Electronic data (e.g. CD or diskette) will **not** be permitted

**Notes:** MP3 players or cell phones on airplane mode are permitted during competition provided the volume is not disruptive to other competitors.

#### 4.3 Required clothing (Provided by competitor)

- N/A

### 5 SAFETY REQUIREMENTS

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

- No PPE required

### 6 ASSESSMENT

#### 6.1 Point breakdown

POINT BREAKDOWN	/100
Day 1	
• Working/Presentation Drawing(s)	50
Day 2	
• rkingresentation Drawing(s)	50

### 7 ADDITIONAL INFORMATION

#### 7.1 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.

## 7.2 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.

## 7.3 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.

## 7.4 Test Project change at the Competition

Where the Test Project has been circulated to Competitors in advance, NTC shall change a maximum of 30% of the work content. Please refer to the Competition Rules.

## 7.5 Tie (No ties are allowed)

In the event of a tie, the competitor with the highest score in the Working Drawing of the test will be declared the winner. If a tie still exists at this point, the Judges will re-evaluate the set of drawings for the top two competitors. The competitor with the highest score in the quality of the drawings will be declared the winner.

## 7.6 Competition Rules

Please refer to the competition rules of the Skills Canada National Competition.

## 8 NATIONAL TECHNICAL COMMITTEE MEMBERS

Member Organization	Name	Email address
Alberta	Mehdi Zahed	
Manitoba	Scott Fraser	
Ontario	David Wray	
Prince Edward Island	Bruceyene M. Collins	
Newfoundland and Labrador-Chair	Dawn Greening	dawn.greening@cna.nl.ca
Nova Scotia	Kirby Reycraft	
Saskatchewan	Greg Wheler	