



19TH ONTARIO TECHNOLOGICAL SKILLS COMPETITION

Architectural Technology and Design - Post Secondary

Date: Tuesday May 6, 2008

Location: RIM Park and Manulife Financial Sportsplex, Waterloo
2001 University Avenue East, Waterloo, Ontario

TECHNICAL CHAIR: Bob Clarkson, clarksonb@golden.net

**** This contest is offered at the Canadian Skills Competition.**

PURPOSE OF THE CONTEST:

To evaluate the competitor's proficiency in the Architectural Design and Drafting field, along with their use of related CAD software.

SKILLS AND KNOWLEDGE TO BE TESTED:

PRACTICAL 95% JOB INTERVIEW 5%

- design an efficient floor plan layout in the space provided
- transfer freehand sketches into accurate CAD drawings
- accurately complete dimension drawings for construction purposes
- design and construct elevations for a residential structure with street appeal
- differentiate between a Presentation drawing and a Working drawing
- knowledge of the components for a typical residential wall section and framing details
- an understanding of roof styles and the ability to draw various roof slopes
- ability to merge drawings onto one page for plotting purposes
- ability to accurately plot drawings

JUDGING CRITERIA:

Closer to the competition date, a breakdown of the mark evaluation is available upon request.

EQUIPMENT AND MATERIALS:

Supplied by the Committee:

- Computer hardware necessary to complete the required tasks.
- Software provided by the committee includes:
 - Autocad 2007
 - Autocad LT
 - Softplan 13
 - Architectural Desktop 2007
 - Revit 5

Competitors using a version of Autocad may bring Symbol libraries or a disk containing blocks of standard floor plan symbols. (This may be checked by the Technical Chair before the competition starts)

To start the competition, each competitor maybe provided with a partial floor plan in one of the following formats:

- Autocad DWG or DXF
- Softplan drawing

Supplied by the Competitor:

- pencil and/or pen
- graph paper or other paper for rough work
- calculator (not required)

Competitors wishing to use software, not mentioned above, must make the request and obtain approval from the Technical Chair by email before April 14, 2008. Competitors must be able to provide a legal copy of the program for the competition. Competitors must also have knowledge of how to plot from this software.

SAFETY:

Safety is a priority at the Ontario Technological Skills Competition. At the discretion of the judges and technical chair any competitor can be removed from the competition site for not having the proper safety equipment and/or not acting in a safe manner.

*Competition judges will have final authority on matters of safety.

CLOTHING REQUIREMENTS:

Competitors are to be dressed in a clean and appropriate manner.

Competitors are not permitted to wear clothing with logos or printing. The exception to this rule is the logo of the school, school board, college or MTCU District that the competitor is representing. Corporate logos or names are not permitted on a competitor's clothing.

JOB INTERVIEW:

To assist competitors in fully preparing for their eventual job searches and to become valued employees, there is a “job interview” incorporated into this contest. It is expected that the competitors will arrive prepared WITH A RÉSUMÉ and be prepared for interview questions and discussion. Competitor’s performance on the interview accounts for 5% of the competitor overall mark.

Sample Interview questions are available at www.skillsontario.com/hr.

RULES AND REGULATIONS:

- Use of software manuals or reference manuals will not be permitted during the competition.
- Drawings may be completed in either Imperial or Metric units of measurement.
- Any required code material as reference or conversion charts will be provided for the competitor.

Please be sure to review all rules and regulations, available in the Competitor Information Package, or online at www.skillsontario.com.

COMPETITION AGENDA:

May 6, 2008

Ontario Technological Skills Competition

7:00am – 7:30am	Registration
7:30am – 8:00am	Orientation
8:00am – 11:30am	Competition*
11:30am - 12:30pm	Lunch
12:30pm - 3:00pm	Competition*
*Job interviews will be conducted throughout the competition	

May 7, 2008

Closing Ceremony

9:00am – 1:00pm	Closing Ceremony
1:00pm – 2:00pm	Team Ontario Meeting

Contest Location: RIM Park and Manulife Financial Sportsplex, 2001 University Avenue East
Waterloo – a map is available at online www.skillsontario.com/maps/maps.html

Closing Ceremony Location: Bingemans, Marshall Hall, 425 Bingemans Centre Drive, Kitchener – a map is available online www.skillsontario.com/maps/maps.html

Each Competitor will receive one closing ceremony ticket upon arrival at the OTSC.

ADDITIONAL INFORMATION:

It is recommended that competitors bring a walkman/ipod to eliminate the background noise and other Distractions. Do not count on all provided computers to have CD-Rom drives.

Competitors may bring snacks or drinks into the competition area, however, any back-packs or jackets will be checked by the Technical Committee before entering the contest site.