

2012 Provincial Skills Competition

Scope Document

EVENT: ARCHITECTURAL TECHNOLOGY & DESIGN	LEVEL: PS
START TIME: TBD	LOCATION: SIAST Palliser Campus
INTERNATIONAL TRADE #: 52	DURATION: 6 hours

PURPOSE OF THE CHALLENGE:

Computer Aided Design and Drafting techniques
 The contestant will be challenged in developing a partial set of working drawings based on a given preliminary design of a commercial project.

SKILLS AND KNOWLEDGE TO BE TESTED:

- National Building Code requirements
- Technical building construction solutions
- Working drawing development using CADD
- Visualization
- Speed and accuracy

EQUIPMENT, TOOLS, SUPPLIES, CLOTHING:

The organizing committee will provide the following:

Windows compatible hardware loaded with recent versions of AutoDesk AUTOCAD and REVIT software. Should other software packages or platforms be desired, the contestant is responsible for providing system support to complete the project as specified. The alternate software will require prior approval of the technical committee to allow adequate preparation time.

No software reference manuals, textbooks or electronic data will be permitted for the duration of the competition however, Codes will be permitted.

There will be a color plotter supplied on site for use by contestants and for judging purposes.

Competitor Must Provide: National Building Code, scales (metric and imperial), calculator, pencil and paper.

JUDGING CRITERIA:

PRESENTATION

Layout
Line weights
Organization
Readability & Clarity

ACCURACY of DRAWING

Technical working drawing content
Dimensions
Line types
Annotation
Material indication hatching

WORK ORGANIZATION

Layout of solutions
Comprehensiveness

COMPLIANCE to STANDARDS

Code requirements
Working drawing standards

SOLUTION

Concept
“Best fit to problem”

OTHER

Completeness

COMMITTEE MEMBERS:

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