

2016 ARCHITECTURAL CADD

COORDINATOR:

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PURPOSE OF THE CONTEST :

To provide competitors with the opportunity to demonstrate, through practical and theoretical application, their skills and task knowledge in the industry; the purpose is to:

- Assess the competitors' skills in performing design and drawing tasks. Assess the competitors' abilities to apply
- The following key themes:

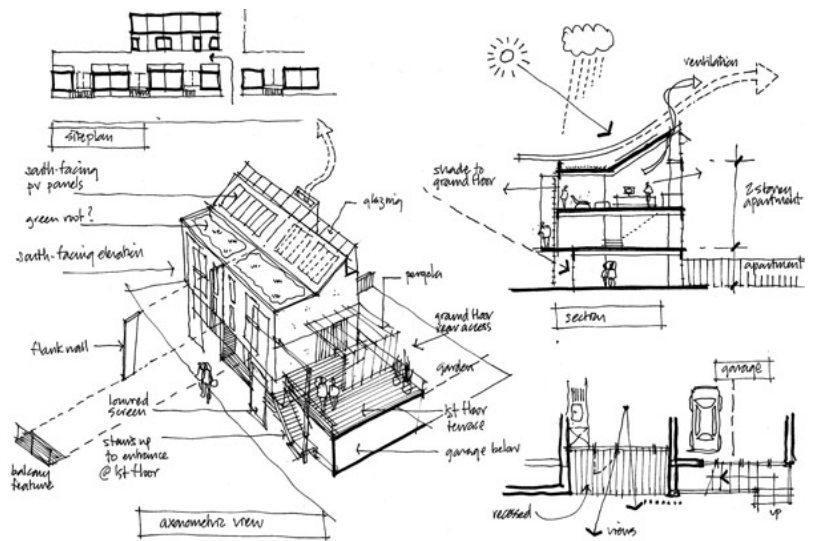
- o Architecture - envelope design, space planning, materials selection, and CWFHC handbook
- o Engineering - structural systems, spans, basic mechanical and electrical systems integration
- Construction - regulatory building codes,

- Assembly

SKILLS AND KNOWLEDGE TO BE TESTED 95 %

JOB INTERVIEW 5 %

- Computer Aided Design Drafting (CADD) and
- sketching techniques. The contestant will be challenged with interpreting instructions, reading and developing sketches, and/or specifications for a residential or a commercial building project. Job interview and résumé
- All phases of measurement will deal
- exclusively in imperial



EQUIPMENT AND MATERIALS :

SUPPLIED BY COMMITTEE :

- Windows compatible hardware
- Current versions of AutoCAD, AutoCAD
- Architecture, Revit and Softplan.
- Please Note: Tools and materials may change based on availability.

SUPPLIED BY COMPETITOR :

If alternate software is desired, it will require prior approval by the Technical Committee no later than

MARCH 12 . 2016

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. The installation use of user profiles will
- be permitted with prior approval of the committee. Résumé
- Scales (imperial and metric) and hand
- drafting equipment

****Books, notes, materials and assisting devices are **not permitted** unless listed above.**

****Media devices, such as cell phones, smart phones, mp3 players or PDAs are **not permitted** on the contest site.**



JUDGING CRITERIA :

PRESENTATION

- Lineweights
- Linetypes
- Layout
- Hatching and symbols
- Text arrangements
- Dimensioning

ACCURACY OF DRAWING

- Technical working drawing content
- Use of architectural conventions
- Dimensioning
- Annotation
- Scales

COMPLIANCE TO STANDARDS

- Structural determination
- Electrical and mechanical systems integration
- Relevant standards

SOLUTION

- Design solution

OTHER

- Completeness

JOB INTERVIEW

RULES , REGULATIONS AND ELIGIBILITY

ELIGIBILITY CRITERIA :

- Secondary students must: Be **21 years of age or younger** as of December 31st in the competition year (2016).
- Student Possess a Canadian citizenship or landed
- Immigrant status and be a resident of Ontario.
- During the contest, no one will have access to the contest site except the Technical Committee Members, Judges, Skills Ontario staff and Competitors. Spectators, including teacher/advisors, will be provided a viewing area if possible.
- **Immediate disqualification may occur at the discretion of the technical chair if a competitor displays any one of the following:**
- Acts inappropriately
- Shows disregard for the safety of
- themselves or those around them Breaks the established rules and
- regulations including:
 - Uses equipment or material that is not permitted
 - Dishonest conduct (cheating, plagiarism)
 - Speaks with those outside the contest area

- o Arrives to the contest site late Sign-in for all contests will happen on the contest site the morning of the competition.

JOB INTERVIEW :

To assist competitors in preparing for their eventual job searches there is a "job interview" incorporated into this contest. It is expected that the competitors will arrive WITH A RÉSUMÉ and be prepared for interview questions and discussion. Performance in the interview accounts for 5% of the individual's/team's overall mark.

