

2010 MICHIGAN SKILLS USA CHAMPIONSHIPS
TASK AND MATERIALS LIST

SKILL OR LEADERSHIP AREA: Architectural Drafting

TASKS TO BE PERFORMED:

- Design a “Residential Building”
 1. Draw detailed Floor Plan(s)
 2. Draw major Elevation(s)
 3. Modify a Site Plan
 - ADA compliance (will be given handout)
 - Part of the problem will be done on a drafting table and part of the problem will be done on the computer. You will be told specific parts on the day of the contest.
 - Contestant must be able to create a plot file, as well as save the file on a portable drive. Contestants and contest officials will plot their drawings in the CAD Lab before they leave the contest area.
 4. Sketch a construction detail

**The Architectural Graphic Standards will be the only reference allowed.
The contest technical committee will provide other reference material deemed necessary.**

STUDENTS MUST SUPPLY:

- Drafting/mechanical pencils
- Drawing instruments – (optional)
- Calculator
- Other personal drafting equipment as desired
- Resume (bring to the contest to hand in to the judges!)

CLOTHING REQUIREMENTS:

- Collared shirt
 - Dress pants
 - Dress shoes
1. The drafting portion of the contest is set up with drafting machines.
 2. CAD portion of the contest is set up with CAD workstations.
 3. CAD software
 - a. AutoCAD 2009-10
 - b. AutoCAD Architecture 2009-10
 - c. Previous versions AutoCAD software (please ask the tech)
 - d. All standard operating systems

(NOTE: you may load your own software on the Friday before the contest)

4. On the network:
 - a. HP plotters
 - b. Optra Laser printers 8-1/2" x 11"
 - c. Epson Color printer 11"x 17"

We realize that certain schools are configured with different equipment. We have set aside some time Friday to allow the contestants' time to re-configure and install variations of the standard workstations. The student or their school must supply all equipment and software used to re-configure the system.

A staff person from LANSING COMMUNITY COLLEGE (contest site) MUST be present to assist and answer questions.

All configurations must be done on Friday between 12:00pm to 5:00 pm only, or if the student is using older releases of AutoDesk products, you can call Gordon Belt at LANSING COMMUNITY COLLEGE to make those programs available.

Students are welcome to use their own laptop computers and software, for the contest. **HOWEVER**, you are responsible for the security and maintenance.

The State Office and Contest Chairperson must clear any other special requests. Please contact Contest Chairperson David Grohs at (517) 279-5707 during school time for any further questions or requests.

**The Architectural Drafting Contest will be run from 8:00 a.m. to 12:00 p.m.
The contestants should report to the contest area by 7:30 a.m. the day of the
contest.**

SCORECARD Architectural Drafting

Contestant Number

Items Evaluated	Possible Points								
Solution to Problem	500								
Floor Plan	100								
Elevation	100								
Site Plan	100								
Layout and Balance	50								
Accurate Dimensioning	50								
Sketching Technique	100								
Résumé Penalty	0 or -50 only								
Clothing Penalty	Up to -50								
Total Possible Points	1000								

Date: _____

Judges' Signatures:

_____	_____
_____	_____
_____	_____