



8th International Abilympics

Vocational Skills Contest

V4. CAD-Architecture

1. Task Assignment

Use the CAD system to make the preliminary drawing (1st floor plan, 2nd floor plan, exterior elevation (the south side, the west side) and section) on a scale of 1/100 by analyzing the provided task assignment (drawings, list of windows and doors, list of furniture, list of structural member), in accordance with 3-3 below.

2. Allocated time

3 hours

3. Requirements

3-1. How to present the completed work

Contestants shall store their completed work (or uncompleted work if unfinished) on the USB storage device and submit it with the printed drawing.

3-2. Specifications



- a. Setup and Adjustment of the CAD system will be done at a specified time before the contest.
- b. The task assignment shall be distributed to the contestants on the day of the contest.
- c. Contestants are not permitted to input figures or text into the CAD software before contest.
- d. Contestants are not permitted to lend or borrow tools or data during the contest.
- e. Contestants shall notify the judge when they complete the task.




※ Contestants who need special assistive technology/device (hardware and software) shall notify the judges in advance. In principle, such contestants should bring it into the contest site and install it in the presence of judges during the orientation. No special consideration will be given to any contestants, if any trouble shall occur with the device.

3-3. Requirements

- a. The drawing for submission shall be saved on the USB storage device and printed.
- b. The drawing for submission shall be printed out on A3-sized paper.
- c. The drawing for submission shall be drawn within the drawing borders of the file saved on the provided USB storage device.
- d. The drawing for submission shall comply with the ISO standards.
- e. Use the CAD software to create the drawing for submission on a scale of 1/1, and then adjust the scale to 1/100 for printing.
- f. The layout of the drawing shall accord with the provided task assignment.
- g. Refer to the materials list for the structure dimensions.
- h. Refer to the facilities list for facility dimensions.
- i. Enter your contestant number and name in the title block in bottom right hand corner of the drawing space.
- j. Contestants are permitted to print twice altogether during the contest including the drawing for submission.


4. List of Materials to be Provided




No.	Material	Picture	Specification	Unit	Qty	Note
1	paper		A3	Sheet	10	
2	USB storage device		2GB	Each	1	

No.	Material	Picture	Specification	Unit	Qty	Note
3	Triangular scale		30cm	Each	1	
4	Calculator			Each	1	
5	Pencil, eraser			Set	1	

5. List of Tools to be Brought : N/A

6. List of Facilities Installed at Contest site

No.	Equipment	Picture	Specification	Unit	Qty	Note
1	Table		1,200mm × 750mm	Each	1 per contestant	
2	Chair			Each	1 per contestant	
3	Personal Computer		Core i5 3.2G, 2G RAM, 320G HDD	Each	1 per contestant	
4	Monitor		19" LCD	Each	1 per contestant	

No.	Equipment	Picture	Specification	Unit	Qty	Note
5	Mouse		PS/2 or USB type (Wheel)	Each	1 per contestant	
6	Printer (Black & White)		A3 printable	Each	2 for joint-use	Contestants are required to print individually
7	Personal Computer (For Judge)		Core i5 3.2G, 2G RAM, 320G HDD	Each	1 per judge	
8	Software		Auto CAD (for architecture) 2009 version	Copy	1 per contestant	

7. Evaluation Criteria

No	Main Items to be Evaluated	Marks
1	1st floor plan	25
2	2nd floor plan	25
3	Section	15
4	Exterior Elevation	20
5	Degree of completion of the overall drawing	15
Total		100

① The skills of the contestants are evaluated based on the printout of the submitted drawing.

- ② The whole drawing (Layout, size of character (letter), alignment of dimension line, etc) shall be evaluated after the drawing precision such as completion of the pre-design drawing, balanced alignment within the drawing, shape and thickness of line, etc has been evaluated.