



Technical Sketching Challenge Evaluation

Name: _____ Level: I or II (circle one) School: _____

The Challenge: Participants will demonstrate their ability to solve an on-site engineering graphic problem using standard sketching techniques to produce a multi-view drawing. Participants will analyze, and interpret a pictorial drawing, then produce the multi-view drawing using accurate sketching techniques, using standard drafting rules, and problem solving techniques to solve the engineering graphic problem.

Time limits: Entrants are allowed one (1) hour to complete the technical sketching problem.

Late arrivals will have the remaining time in competition for completing their entry.

Procedure: Participants report to the event area at the time stated.

Criteria for judging:

_____ **Neatness:** Is the drawing neat and free of eraser marks, lack of smudges, legible writing.

_____ **Proportion and Size:** All objects drawn to proper proportion and size as given.

_____ **Speed:** of completion, -1 point per minute (not contingent on quality)

_____ **Graphically Accuracy:** Drawing views provided are sufficient, appropriate, and correct.

_____ **Completeness:** The detail drawing is complete with all appropriate features, line work and following accepted industry practice.

_____ **Missing lines:** -5 points each.

Scoring Tally:

The Drawing rating scale is 0 to 200.

_____ Total minutes of drawing production time

(note: each minute of drawing production costs **-1 rating point**)

_____ Total mistakes multiplied by 5 (note: mistake on the drawing cost **5 rating points each**)

_____ **Total score (200 points minus production minutes & mistakes)**

_____ **Any rules and regulation checklist violation (up to -20 points)**

_____ **Entrant Ranking**

Awards in level I and II.