

# Technology Competitions and Exhibits

## Drafting - Division 7

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### Entry Form accepted from October 21, 2019 to January 14, 2020.

Check In:	February 27, 2020, 4:00 PM to 8:00 PM in Arnold Hall. February 29, 2020, 10:00 AM to 4:00 PM in Arnold Hall.
Check Out:	April 9, 2020, 4:00 PM to 8:00 PM in Arnold Hall.
Group Entries:	Not Accepted

The Drafting Division will award an outstanding trophy for each level (middle and senior high school) based upon the following criteria:

1. Each entry in this division receiving a blue ribbon will be awarded one point.
2. Each entry in this division receiving a purple ribbon will receive one point.
3. The school receiving the most total points will be awarded the outstanding trophy.

### Rules:

1. Grade Levels: Middle and High School only. All work must be done by the individual since the last fair.
2. Number of Entries: Students may enter 1 exhibit in each class listed, but may enter as many classes as desired.
3. Size and Mounting Specifications: Refer carefully to the Class Descriptions below for size requirements. All work must be mounted on mount or mat of equal material. NO FOAM BOARD.
4. Entry Tag(s) must be securely attached to the front of the entry.
5. Acceptable Entries: All CAD entries must have an architectural or engineering theme.
6. NOT ACCEPTABLE: No blueprint entries. Posters will NOT be accepted. NO FOAM BOARD.
7. Due to space limitations, this division will display only Blue and Red ribbons.
8. ANY ENTRY NOT CONFORMING TO THE ABOVE RULES OR THE OFFICIAL FAIR RULES WILL BE DISQUALIFIED.
9. This Division will accept only those entries made expressly for the 2020 fair. All decisions of the judges are final. The Youth Fair management has jurisdiction over interpretation of these rules. Items entered in the wrong Division will not be judged or shown. This Division is not responsible for lost/damaged items.

### Class Numbers, Titles, and Descriptions:

**Class 701 - Architectural Working Drawings:** Working drawings must include a complete set on any project such as a residence or commercial building. Drawings shall be on tracing paper. Entry shall include but not be limited to the following drawings: floor plan, plot plan foundation, exterior elevations, interior elevations, electrical, plumbing, wall details, windows and door schedule. Drawings are to be bound in a set using the above order and mounted on a single

sheet of mat board. Working drawings may be on A, B, C or D size paper.

**Class 702 – Architectural Presentation Drawings:** Presentation drawings may be rendered in any method desired. Drawings may be printed in black and white or in color on any suitable paper 11” X 17” or larger, but not to exceed 30” X 40” and mounted on illustration board. The entry must include all drawings necessary to indicate the scope of the project, namely: (a) plot plan, (b) a floor plan and (c) a perspective of the building.

**Class 703 – Architectural Rendering:** Drawings may be printed in black and white or in color on any suitable paper 11” X 17” or larger, but not to exceed 30” X 40” and mounted on illustration board. Drawing may be done by hand or CAD. An example of a rendering can be a perspective or elevation of an interior or exterior part of a building.

**Class 704 – Architectural Scale Models:** Any architectural scale model of residential or commercial buildings shall be the kind to be shown to a client by an architect. The model should be mounted on plywood or foam board which is no larger than 24” X 36” and not less than 18” x 24”. Drawings of the model must be submitted. Drawings MUST include: a floor plan. All model parts must be securely attached. NO KITS ALLOWED.

**Class 705 – Architectural CAD Drafting:** CAD drafting entries include any type of architectural drawing done with the computer and a plotter or printer.

**Class 706 – Engineering Hand Drawn Detailed Drawings:** Detailed drawings are in pencil on either drawing or tracing paper. Include irregular shaped objects that may have either practical or theoretical applications. Drawings must be properly dimensioned. A model may accompany drawings.

**Class 707 – Engineering CAD Drawings:** CAD drafting entries include any type of engineering drawing done with the computer and a plotter/printer.

**Class Number and Title:**

- Class 701 - Architectural Working Drawings
- Class 702 - Architectural Presentation Drawings
- Class 703 - Architectural Rendering
- Class 704 - Architectural Scale Models
- Class 705 - Architectural CAD Drafting
- Class 706 - Engineering Hand Drawn Detailed Drawings
- Class 707 - Engineering CAD Drawings

**Judging Criteria:**

Relationship of design to function and purpose, quality of craftsmanship, suitability of materials, scope of process involved, age of individual student.

**Premiums and Trophies:**

Best of Show .....	Trophy
Outstanding Senior High/Middle School .....	Trophy
Purple Ribbon.....	\$10.00 and Rosette
Blue Ribbon .....	8.00
Red Ribbon .....	6.00
White Ribbon .....	4.00
Yellow Ribbon.....	Ribbon Only
If there are no entries meeting the quality standards for any special awards, no award will be given.	