

## Drafting - Computer-Aided-Drafting Architectural Exhibit (added 2014)

All contest drawings should contain the elements of professional drawings, such as title blocks and scales.

1. COVER SHEET - Use a perspective or diametric elevation drawing of the house - NOT a school logo. (Judges see no value in a school logo on the cover of student's drawings in this contest. Get creative.) The student's name and school should be on the lower right corner for easy identification.
2. SITE PLAN - Show information about the size of the lot, survey bearings, and the setbacks on all four sides. The roof plan may be used to show the house, but the dimensions should be to the walls not the roof overhang. All sidewalks, driveways and concrete or special features must be dimensioned and labeled.
3. FLOOR PLAN - Show all interior and exterior dimensions sufficient to frame the house. Notes and labels should be placed on all rooms, features, and appliances, plus door and window tags or symbols. Judges like a north arrow placed on this drawing to indicate understanding of passive solar siting. The plan should show evidence of the student's drafting skills and understanding of good design.
4. ELEVATIONS - Four elevations with identifying labels on each, dimensions for grade, line first floor line, ceiling height, second floor line, ceiling height etc. Identify materials on roof and walls, and show roof pitch symbols.
5. ROOF PLAN - Must match elevations and plan. Plan must show details related to roof materials, pitch, overhang, etc.
6. FOUNDATION - Slabs: show perimeter and interior beams, use correct line types, dimensions, labels, and sections. Pier and beam: show pier locations, dimensions, and label the beam materials, size and length. Show detail drawings of slab sections or of piers with dimensions and notes.
7. WINDOW & DOOR SCHEDULE - This may be a chart of sizes and details, or a graphic that shows the doors and windows illustrated on the elevations, sample drawings of interior doors, and the garage doors. Schedule should be accurate and complete. If a graphic is used, show dimension of distance above the floor for windows. Details about the frame, number of panes, and energy efficiency features may be listed below each window. All windows and doors should refer to symbols on the floor plan.

Electric Plan and Wall Sections are no longer required items. These items may be included but will not be graded.

### Delivery Method

- Job Exhibit Notebook will be upload to Schoology in **ONE PDF** document.
- Student will register for the state conference only when submitting a Job Exhibit only.
- Schoology access code and contestant number will be sent after student is registered and submitted for the state conference on or before Mach 21<sup>st</sup>.
- Job Exhibit Code is found in the Texas Regulations.
- Deadline to upload is March 22<sup>nd</sup>
- Naming configuration for the job exhibit notebook as follows:

**Contestcode\_lastname\_first\_name\_School Name**

### Job Exhibit Notebook

**For all Job Exhibit Notebooks:** PDF submissions (One Document) must contain the following in this order:

- A. Cover Sheet:
  - i. Student's name (if Multiple or chapter include the other team members)
  - ii. School
  - iii. contestant number
  - iv. Course enrollment
  - v. 1st or 2nd year student
  - vi. Chapter number

- vii. **Four pictures** of completed project from Multiple angles, one should include contestant
- B. Table of contents:
  - i. Title of pages.
  - iii. Page number of materials in notebook
- C. Resume (If a group or Multiple project - each student must have resume)
- D. Preface or Introduction
- E. Body of notebook – project description Student(s) narrative of task (if a group each student should have their own narrative).
  - i. Including any pre-planning, brainstorming or sketch-ups.
  - ii. Step by step list of tasks performed.
  - iii. Drawings, sketches, schematics, measurements, etc.
  - iv. List of parts, ingredients, recipes, products, etc.
- F. Tool/Implementation/Equipment/Software List
- G. Material List (with receipts) or if donated list of items (acknowledge donator)
- H. **Student Work photos** - a minimum of six photographs showing the student(s) involvement in each aspect or phase of the job completion. These photos should be time and date stamped, taken from Multiple angles and proximity highlighting quality of work. Photos should depict critical steps and proper safety procedures.
- I. Bibliography – Sources of all material, including electronic, used in notebook.
- J. \*Citation of royalty free content (if used)
- K. **Complete Project photos** - a minimum of four photos or documentation showing the completed project from Multiple angles, at least one should include the student.

## CAD ARCHITECTURAL PROJECTS - RATING SHEET

*Please place a copy of the rating sheet for each project entry at the front of the report folder.*

Contestant Number \_\_\_\_\_  
drawing

*All drawings should contain the elements of a professional drawing*

Judging Criteria	Points Allowed	Points Awarded	Criteria Total
<b>COVER SHEET (5 Points)</b>			
Perspective or diametric elevation drawing of the house	1-5		
<b>SITE PLAN (10 Points)</b>			
Shows legal description, the size of the lot and/or survey bearings	1-3		
Location of the house on the lot shown with setback dimensions on all sides	1-2		
Shows dimensions of all sidewalks, driveways, concrete, or special features	1-3		
Labels identify features and help clarify the drawing	1-2		
<b>FLOOR PLAN (30 Points)</b>			
Floor Plans contain elements of good design and meet industry standards	1-10		
Shows all interior and exterior dimensions needed to build the house	1-10		
Labels should be placed on all rooms, doors, windows, features, and appliances	1-5		
Notes are readable and help explain the features, materials, and construction	1-5		
<b>ELEVATIONS (20 Points)</b>			
Each view should be labeled and show dimensions for grade, floor lines, roof pitch, etc. Front	1-5		
Rear	1-5		
Left	1-5		
Right	1-5		
<b>ROOF PLAN (10 Points)</b> Must match elevations and plan	1-5		
Shows details related to roof materials, pitch, overhang, etc.	1-5		
<b>FOUNDATION PLAN (10 Points)</b>			
<b>SLAB:</b> Shows perimeter and interior beam locations (Uses correct line types)	1-3		
Dimensions are readable and organized	1-3		
Labels identify sizes and types of materials	1-2		
Section views are evident and correctly drawn	1-2		
<b>PIER AND BEAM:</b> Pier locations are shown and dimensioned	1-3		
Beams and joists are shown in proper position and quantity	1-3		
Labels indicate materials (wood, engineered wood, etc.), sizes and length.	1-2		
Shows a Detailed drawing of piers with dimensions and notes.	1-2		
<b>WINDOW &amp; DOOR SCHEDULE (15)</b>			
(1-10) May be chart or graphic, shows details, and references the symbols on floor plan.	0-15		
<b>NOTEBOOK</b> Enter Score from the Job Exhibit Notebook Grading Rubric 300 points possible	300		
<b>400 Total Points</b>			
<b>Judges Remarks:</b>			

## Drafting - Computer-Aided-Drafting Technical Exhibit Rating Sheet

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- Schoology access code and contestant number will be sent after student is registered and submitted for the state conference on or before Mach 21<sup>st</sup>.
- Job Exhibit Code is found in the Texas Regulations.
- There will be one notebook for a job exhibit, if a chapter or multiple entry place a resume for each participant in the notebook
- Deadline to upload is March 22<sup>nd</sup>
- Naming configuration for the job exhibit notebook as follows:

**Contestcode\_lastname\_first\_name\_School Name**

### Job Exhibit Notebook

**For all Job Exhibit Notebooks:** PDF submissions (One Document) must contain the following in this order:

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