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| Category Definition |
| Drafting Projects Presentation - Manual & CAD  Projects may present on any A-D paper size is acceptable, not exceeding 24” X 36”. Single sheet drawings are encouraged to be matted, but not required. Matting should only consist of a frame and backing sheet. The frame should not exceed 2” in width, maximum matting thickness not to exceed ¼”. Matting will be judged. Projects with more than one sheet should be fastened on the left side. |
| Student developed title block is preferred, but not required. Your title block should contain the following in particular order: School name, Student Name, Contest Number, Student Unique Identification Number. |
| School logos and student developed logos are permitted. Color is permitted on presentation drawings, cover pages, bindings, and logos. |
| Project guidelines  Drawings should use standard symbols developed by ANSI. |
| Entry Card attachment |
| **Manual Drafting Guidelines** |
| **CAD Project Narrative**  A family of four has purchased a lake lot located in the beautiful State of Texas, and you have been asked to design their new home as per the specifications listed below. The family consists of a father, mother, and two children ages seven (7) and three (3). The owners wish to explore ways to reduce energy consumption and utility costs by using alternative passive or active energy saving techniques, and desire an efficient design which reduces material quantities. The use of recycled, green, and/or reusable materials is encouraged in the construction and finishing of the house. |
| **General Home Plan Specifications:**  **Square Footage:**  Total living area Max: **2700**  2 car min. Garage  **Rooms**  Bedrooms: **min. 3**  Bathrooms: **3 max**  Master suite |
| Property specifications (same for levels I, II, III): Property is located lakeside in the beautiful State of Texas, lake of your choice. East property line is 100’ wide; 30’ above lake level; west property line is 75’ wide and located lakeside. The north property line is 150’; south property line 210’. |

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| **Level I** – 2 Level Structure   1. **Required Rooms** - Kitchen, Dining, Living, Master Suite with Full Bath, additional 1 1/2 Bath, Coat closet, 2 bedrooms, Laundry, Mud room, or other space as design allows. 2. **Roof style:** Designers Choice 3. **Windows:** Minimum as required by code 4. **Doors:** Exterior doors: minimum of 36”, interior doors no smaller than 30”, Bi-fold & sliders may be used as appropriate. 5. **Stairs and Hallways:** At least 40” wide finished 6. **Exterior Coverings**: 2 Exterior veneers required. 7. **Covered Porch**: Not to exceed 8’ in depth 8. **Basement:** Bath not to exceed 1 1/2, Rooms (designer’s choice). | |
| **Level II –** 2 Levels with Basement   1. **Required Rooms** - Kitchen, Dining, Living, Master Suite with Full Bath, additional 1 1/2 Bath, Coat closet, 2 bedrooms, Laundry, Mud room, or other space as design allows. 2. **Roof style:** Designers Choice 3. **Windows:** Minimum as required by code 4. **Doors:** Exterior doors: minimum of 36”, interior doors no smaller than 30”, Bi-fold & sliders may be used as appropriate. 5. **Stairs and Hallways:** At least 40” wide finished 6. **Exterior Coverings**: 2 Exterior veneers required. 7. **Covered Porch**: Not to exceed 8’ in depth 8. **Basement:** Bath not to exceed 1 1/2, Rooms (designer’s choice). | |
| **Level III** – Open Class Designers Choice | |
| **Judging Criteria**  The judges will be looking for good drafting techniques and skills. Judging is based on the principles and theories of the profession and not based on the creation process. Judging is based on CAD design drafting practices in the following areas as appropriate to each division: | |
| Accuracy............................................................................................................................ | 30 points |
| Dimensioning, dimensioning styles................................................................................... | 25 points |
| View selection................................................................................................................... | 20 points |
| Appearance/Neatness...................................................................................................... | 15 points |
| Linework, linetype differentiation................................................................................... | 15 points |
| Organization (view placement)........................................................................................ | 10 points |
| Lettering, Font size and appropriateness......................................................................... | 10 points |
| Title Block (appropriate for the discipline as is used in the industry).............................. | 5 points |
| Total maximum ............................................................................................................... | 130 points |

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| **Architectural Model**  Any architectural model developed by current TTCTE student members.   * Models should place a base not exceeding 2’ x 2’. * Models should be made from materials used in the architectural industry. * Models may or may not be painted. | | | | |
| **Architectural Model Virtual Walkthrough**  TTCTE members will develop a virtual walkthrough of a student develop floorplan.  The walkthrough will be submitted on a DVD in a format that a standard PC can view the file.  The walkthrough is limited to five (5) minutes. | | | | |
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| **1** | **2** | **3** |
| **5000 - Architectural / Interior Design** | | | | |
| **Manual Drafting** | | | | |
| Residential House Plans | 5100 |  |  |  |
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| **Computer Aided Drafting** | | | | |
| Project Level 1 | 5200 |  |  |  |
| Project Level 2 | 5201 |  |  |  |
| Level 3 Open Class Up to 2000 square feet living floor space | 5202 |  |  |  |
| Level 3 Open Class 2001 square feet plus living floor space | 5203 |  |  |  |
| Commercial Class - Open | 2504 |  |  |  |
| Other - Open Class any project not matching other categories | 5205 |  |  |  |
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| **Architectural Model** | | | | |
| Residential Model | 5300 |  |  |  |
| Commercial Model | 5301 |  |  |  |
| Other - Open Class any project not matching other categories | 5302 |  |  |  |
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| **Virtual Walkthrough** | | | | |
| Residential Walkthrough | 5400 |  |  |  |
| Commercial Model | 5401 |  |  |  |
| Other - Open Class any project not matching other categories | 5402 |  |  |  |
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| **Interior Design** | | | | |
| Residential Presentation Color Board | 5500 |  |  |  |
| Commercial Presentation Color Board | 5501 |  |  |  |
| Other - Open Class any project not matching other categories | 5502 |  |  |  |