

DESIGN DRAFTING COMPETITION

GUIDELINES

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NOTE: Drawings may be created utilizing any computer aided design (CAD) program available to the contestants, drawn by hand, or may consist of a combination of computer aided or hand drawn drawings.

GUIDELINES

1. OBJECTIVES

- A. To introduce the contestant to the construction industry in a positive and challenging manner.
- B. To foster a sense of self-worth and to build confidence in the participant. Those choosing to enter the competition can make competent decisions and work independently.
- C. To encourage mentoring programs between contestants and educators.

2. STRUCTURE OF THE COMPETITION

A. Administration

The Design Drafting Competition will be administered by the NAWIC Education Foundation (NEF). NEF will solicit and encourage local and regional level Sponsor Chairs to conduct local competitions whereby winners will advance to regional competitions and/or advance directly to the national level competition. The Design Drafting Competition (DDC) includes two different divisions: High School Division (HD) and College Division (CD) each competing to solve an Architectural Problem. Each division will be asked to provide required drawings and bonus drawings for the Problem. *Drawings may be created utilizing any computer aided design (CAD) program available to the contestants, drawn by hand, or may consist of a combination of computer aided and hand drawn drawings.*

Fees and Supplies

- a. There is no fee for entering the competition.
- b. NEF will not provide any supplies, software, and/or equipment to the participants.

B. Sponsor Chairs

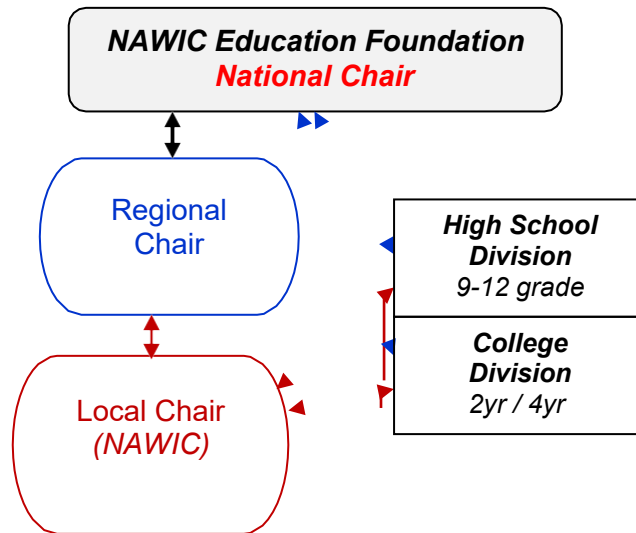
Any NAWIC Chapter, High School, Youth Program or College that chooses to organize a local competition for their contestants.

1. **Local Sponsor Chairs** is one whereby the winner will be submitted to a Regional Level Sponsor Chair for the second level of judging prior to submission to the National Level competition.
 - a. **NAWIC**
 - **Chapters (DD3A)** are encouraged to be Local Sponsor Chairs to their local high schools, youth programs and colleges with one winner for each division advancing to the Regional Level Sponsor Chairs.
 - **Regions (DD3B)** are encouraged to be Regional Sponsor Chairs by conducting a regional level competition that includes the first-place winners from participating Chapters within their own region or from regions not conducting a regional level competition. One winner from each division will advance to the National level competition.

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b. High School, Youth Programs or Colleges (*Individual*) Sponsors

- Locations that do not have a NAWIC Chapter in their proximity may contact the NEF Office at nawicedu@gmail.com or 866-277-2883 to be put in touch with the NAWIC Regional Chair for help in locating the nearest participating NAWIC Chapter or they may choose to become a Regional Sponsor Chair (*DD3C*).



C. Mentors

Individuals or groups that work closely with the contestants. A Sponsor Chair may choose to serve as a Mentor however, Sponsor Chairs may choose to solicit other local organizations such as local High School drafting programs, local design firms, or other professional organizations to serve as the Mentors on their behalf.

3. COMPETITION DIVISIONS & ELIGIBILITY

- A. **High School Division:** Grades 9 – 12, full or part time.
- Public or Private High School
 - Vocational or Technical School (must not have a HS Diploma or GED)
 - High School Equivalency Program
- B. **College Division:** 2-year or 4-year
- Students enrolled in post-secondary curriculums, full or part time.
 - Students are ineligible if they have achieved any bachelor's degree from any institution of higher education or are in the 5th year of their degree.
- C. All contestants shall be a citizen of the United States.
- D. Contestants may participate in the competition four (4) times in the High School Division, once per year, and four (4) times in the College Division, once per year.
- E. Winning contestants remain eligible to participate in subsequent year competitions.

4. ARCHITECTURAL PROBLEM & EVALUATION

A. Design Problem

1. The design problem statement will be developed by a licensed architect, engineer, or other design professional and selected for use by the NEF National Design Drafting Chair.
2. The design problem will be available for download on the NEF website on or around June 1st of each year.
3. The design problem will be generic enough for a solution to be executed by all areas of the United States.

B. Evaluation

Contestants will be evaluated on the following:


- Overall design solution to the architectural problem statement
- Creativity
- Placement and Presentation
- Meets Client's Needs / Design Intent
- Drawing requirements.

5. ENTRY REQUIREMENTS


- A. Each entry must include a design narrative and six (6) required drawings. The submittal may also include two (2) bonus drawings for a total of eight (8) drawings.
- B. The execution of the design solution, the written narrative, cost estimate, and the creation of the drawings that are submitted to be judged must be limited to the efforts of one contestant per submittal (no teams).
- C. Sponsor Chairs (local and regional levels) are at liberty to request the submittals be in the form of original drawings (on 24" x 36" paper) or in the form of one or multiple portable document format files (PDFs) that have been formatted to print on 24" x 36" paper. The design narrative and cost estimate shall be provided on 8 ½" x 11" paper or in PDF format to that same size.
- D. Submittals to the NEF National Chair for national judging shall be in PDF format only. The local and regional Sponsor Chairs shall be responsible for the conversion of any actual documents that they have received and judged as the winning entry per division.
- E. The submittals to the NEF National Chair shall be posted by Division to the appropriate Dropbox Link:
 - Dropbox Link for High School Division: **TBD by National Chair**
- F. Dropbox Link for College Division: **TBD by National Chair**
- G. All plan drawings shall contain a NORTH arrow and be labeled with the drawing scale.
- H. Drawing scales are found in the required drawing section of the "Design Problem"
- I. It shall be at the discretion of local and regional Sponsor Chairs whether they will or will not return the submittals to the contestants.

6. CONTESTANT ENTRY INFORMATION

- A. The contestant's name shall be omitted from all drawings. Each drawing must bear the code number of the participant in the Title Block as shown with information required.

 <p>NEF NAWIC Education Foundation</p> <p>DESIGN DRAFTING</p> <p>1800 Pembroke Drive, Suite 300; Orlando, FL 32810</p>	
PROJECT: (as noted on Design Problem)	
DATE: (year of Design Problem)	
CODE NUMBER: (as assigned by Sponsor Chair)	
PLAN NAME: (as noted in "Required Drawing Sheets" Section)	
PLAN #: (see below)	SCALE: (see below)
(PLAN & SCALE per "Required Drawing Sheets" Section)	

Title Block - SAMPLE:

 <p>NEF NAWIC Education Foundation</p> <p>DESIGN DRAFTING</p> <p>1800 Pembroke Drive, Suite 300; Orlando, FL 32810</p>	
PROJECT: FAMILY DENTISTRY CLINIC	
DATE: 2016-2017	
▲ CODE NUMBER: 17 – MW – MN - 123456 - 001 - HD	
PLAN NAME: SITE PLAN WITH ROOF PLAN	
PLAN #: A – 1	SCALE: ¼" = 1'

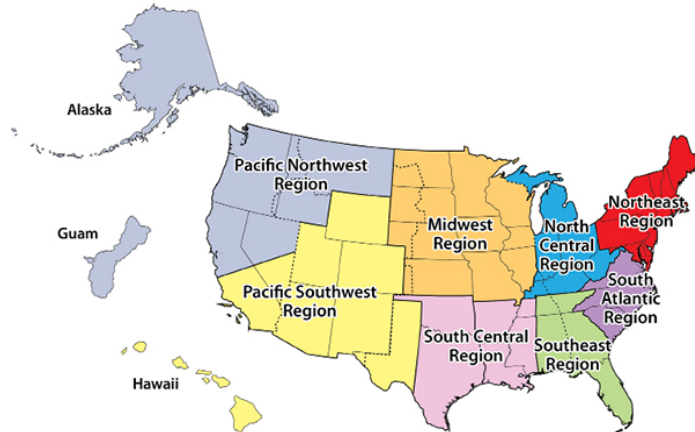
The **code number** will be assigned by the Sponsor Chair per the following guidelines:
(Example: 17-MW-MN-123456-001-HD)

Year judged	Region Per Map	State 2 digit Abbreviation	High School / College ID #	Contestant Sequence # (assigned by Chair)	Division High School Or College
17	MW	MN	(6-digit code)	001	HD

Coding Details:

YearExample – (16-17) (use 17)
 RegionAs shown on NAWIC Region map

Code	Region
MW	Midwest Region
NC	North Central Region
NE	Northeast Region
PN	Pacific Northwest Region
PS	Pacific Southwest Region
SA	South Atlantic Region
SC	South Central Region
SE	Southeast Region



NAWIC Region Map

ST # Use State Abbreviations (MN – Minnesota)
 ID # Use High School or College 6 digit #'s
 Contestant Sequence # Sponsor will start with 001, 002, etc.
 Division HD = High School or CD = College

- B. Included with each submission must be a plain opaque sealed envelope or PDF file containing the completed Contestant Application Form ([Sections DD3A or C, pages 5 or 6](#)) which includes the following information:
 - a. Contestant’s name, address, phone number, designation of which division they are entering (High School or College Division) and assigned code number.
 - b. Parent/Guardian’s name and signature (if under 18)
 - c. School’s name, address and phone number
 - d. Name and phone number of contestant’s mentor (instructor).
 - e. Mentor (Instructor’s) signature stating that the work is the contestant’s own and that they did not receive any outside help.
- C. Included with each submission must be the Design Narrative/Design Concept attached to the front of Sheet A-1 or as PDF file.
- D. All entrants not adhering to the above criteria will be disqualified.

7. JUDGING

A. Sponsor Chairs

- Applies to High School Division (HD) and to College Division (CD).
- Applies to Local Level Sponsors, Regional Level Sponsors and National Level.
- Judging of each project will be the responsibility of the Sponsor Chairs.
- Judges will be comprised of professionals from the design and construction professions.
- All judging will be conducted using the official judging form and other criteria as established by NEF.
- Judges will evaluate entries on an individual basis.
- All effort should be made to have each entry reviewed by at least three (3) judges to avoid individual bias.
- Verify that the Title Blocks are complete including the assigned contest code and not the contestant's name.
- Tally points from the judges' rating sheets and identify the winners of each division.
- Shall upon request of the contestants return the judging forms (make copies of the originals for the winner of each division) to the contestants for their review to help them understand in what areas their submittals were good and/or need improvement.
- Family members and friends are exempt from serving as judges.
- Judges shall evaluate each project with the following point system:

Design Narrative/Design Concept	20 Points
Sheet A-1 Site Plan with Roof Plan	25 Points
Sheet A-2 Floor Plans	35 Points
Sheet A-3 Electrical Plan	25 Points
Sheet A-4 Exterior Elevations (2 views).....	30 Points
Sheet A-5 Building Section.....	25 Points
Sheet A-6 Bonus Drawing #1	10 Points
Sheet A-7 Bonus Drawing #2	<u>15 Points</u>
Total Points Possible	185 Points

B. Local Level Sponsor Chair Responsibilities (DD3A)

- Submit name and project of winner of each division to the Regional Level Sponsor Chair.
- Verify submittals to the Regional Level Sponsor Chair contain the following:
 - 1) Copy of signed application form
 - 2) Design Narrative and all required Sheets
 - 3) All forms that the Regional Level Sponsor has requested
 - 4) Judging forms – signed.
 - 5) Oral Interview Form (optional)
 - 6) Completed IRS W-9 Form (*see 8D – Prizes for details*)
- Winning local entries shall be submitted to the Regional Representative no later than: **11:00 PM ET on the Third Monday in March.**

C. Regional Level Sponsor Chair Responsibilities

(DD3B – NAWIC or DD3C - Individual)

- NAWIC - Receive and judge the winning entries from each division from the Local Level Sponsor Chair.
- Forward the winning entries from each division with all submission information as requested to the NEF National Design Drafting Chair.
- Completed IRS W-9 Form *(see 8D – Prizes for details)*
- Winning regional entries shall be submitted to the NEF National Design Drafting Chair as PDF files in the provided Dropbox link, no later than: **11:00 PM ET on the First Monday in April.**

D. National Level Responsibilities *(DD3D)*

- Receive and judge the winning entries from each division from the Regional Level Sponsor Chairs.
- Forward the information of the winner for each division to the NEF Executive Office.
- National winners will be notified in writing by the NEF Executive Office by the **1st Monday in May**. Prizes will be distributed by the NEF Executive Office upon receipt of the winners completed IRS W-9 Form *(see DD2 8 D. Prizes for details - below)*
- Judging forms will be returned to the contestants upon request.

8. PRIZES

A. Entries

- Prizes for Local Level and Regional Level competitions are the responsibility of that Sponsor Chair.
- Each Regional Level Sponsor shall pass only one winning entry in each division on to the National Level Competition. *(One entry per NAWIC Region and one entry per Individual Regional Sponsor)*

B. High School Division: National prizes will be awarded as

follows: First Place \$1,500

Second Place \$1,000

C. College Division: National prizes will be awarded as follows:

First Place \$1,500

Second Place \$1,000

D. IRS W-9 Form. Winning entrants receiving \$600 or more in prize monies are responsible for completing a W-9 form prior to receiving their winnings in accordance with IRS regulations. *(form available via link on NEF website).*

E. Certificate of Participation - available for download from the NEF website.

SPONSOR/MENTOR QUICK REFERENCE GUIDE

Upon receipt of this package and using the “TIMELINE OF ACTIVITIES”, determine the following:

1. Set the date that contestant applications are due and where they are to be sent (*it is recommended that the due date be before the end of December*).
2. Determine when and where the completed drawings will be delivered.
3. Set the judging date. (*Selection of judges can be made later.*)
Set date local awards are to be presented. (*June is usually a very busy month and should be avoided, but awards should be made before the end of the school year.*)
4. After the above has been determined, complete the blanks in the application forms, prepare your letter to the High School/College Drafting Instructors as well as the Principal/Dean, other local Youth Programs and mail.
5. Send press releases to local newspapers before you mail packages. This should create interest in the project if parents and educators see it.
6. When contestant applications are returned, make sure all information is correct and complete. Make sure forms are signed, and then send an acknowledgment letter to the contestant with their assigned coded contestant numbers.
7. If possible, schedule a class period where you can meet and answer questions from the contestants and instructors.
8. After drawings are completed and have been submitted, using the “Required Information Check List” confirm that each submittal is complete and ready for judging.
9. Start judging. NAWIC Chapter first-place projects for each division (High School/Youth Programs and College) goes to the Regional Sponsorship Chair for the Regional Competition.
10. The Regional & Individual Sponsorship winning projects for each division will be sent to the National Chair for judging in the National Competition.

NOTE: Drawings may be created utilizing any computer aided design (CAD) program available to the contestants, drawn by hand, or may consist of a combination of computer aided or hand drawn drawings.

TIME LINE OF ACTIVITIES

DATE	ACTIVITY
JUNE/JULY/AUG	Contact schools/instructors with next year's design problem. Get the design problem to them as early as possible so they can incorporate it into their curriculum for the upcoming school year
SEPTEMBER	Contact the instructors to possibly meet with them to discuss the competition. Gain their support. Schedule a visit to the class or a workshop if more than one school participates
DECEMBER	Set the deadline prior to winter vacation for student applications to be received. Check applications for compliance. Assign code numbers for anonymity and send letters of acknowledgement and encouragement
JANUARY 15	Send Regional / Individual Applicant Submittal Form to National Chair Send school/contestants letters of encouragement and remind them of deadlines
FEBRUARY 15	Recommended date submittals are due for Chapter judging Select Chapter winner
MARCH – 3 RD MONDAY	NAWIC Chapter Sponsorship entries are due to Regional Chair for Regional Competition Select Regional winner – if timing applies, announce winner at Regional Forum
APRIL – 1 ST MONDAY	Regional/Individual Sponsor winning entries due to NEF National Design Drafting Chair. This deadline is absolute!!
MAY – 1 ST MONDAY	National winners announced.
APRIL/MAY/JUNE	Invite students and instructors to a “recognition” night, awards ceremony or Chapter meeting. Invite a career-oriented or industry speaker to your meeting. This is an excellent time to make award presentations.
June 1 ST	Next year's problem is available online.

These are recommended guidelines to help the competition gain the most exposure. Sponsors can get started with as little as one school in your area. Site visits to the school(s) are only a suggestion; questions can be answered over the phone or via email.

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