



National Association of Women in Construction
FARGO-MOORHEAD, ND #246
PO Box 763
FARGO, ND 58107-0763

September 12, 2016

TO: DRAFTING INSTRUCTOR

RE: CAD/DESIGN/DRAFTING AWARD COMPETITION

The Fargo-Moorhead, ND Chapter #246 of the National Association of Women in Construction (NAWIC) is sponsoring a CAD/Design/Drafting Award Competition for High School Students for the 2016-2017 school year and we wish to encourage you and your students to participate.

The contest provides recognition to students for creative design, successful problem solving, and craftsmanship in preparing architectural drawings and renderings. Drawings may be submitted in the category of "Hand Drafting" or the category of "CAD Drafting".

*Your students will be furnished with a Design Problem created by a design professional, a site description and plan, and a list of required drawings. The Design Problem and other information can be accessed via the NAWIC Education Foundation (NEF) website – www.nef-edu.org, go to **K-12 programs > Education > CAD/Drafting > 16-17 Guidelines & Forms and 16-17 Contest** that includes the problem and the site plans.*

Construction industry professionals will judge contestants at the local level, and the local winner's entry will be submitted for Regional Competition. Regional winners will be submitted for National Competition.

The members of the Fargo-Moorhead, ND #246 Chapter of NAWIC and NEF believe the challenge of meeting the future work force demands requires immediate attention to the importance of educating, training, and preparing our youth for careers in construction.

We hope you will encourage your students to enter this competition and look forward to hearing from you and from them. If you or your students have questions about the competition you can contact me by phone at 218-234-6633 (leave a message and I will return your call) or via email at aberg.nawic@yahoo.com.

A handwritten signature in black ink that reads "Amy".

Amy Berg, CBT, CIT
Committee Chair



CAD DESIGN/DRAFTING AWARD COMPETITION

NAWIC EDUCATION FOUNDATION

Sponsored by: *Fargo-Moorhead, ND #246 of NAWIC*

CONTEST ELIGIBILITY

1. Any high school student (grades 9-12), full or part time, may apply to enter the Competition.
2. Students must be a citizen of the United States and enrolled in a:
 - a. Public or Private High School
 - b. Vocational or Technical School (must not have a HS Diploma or GED)
 - c. High School Equivalency Program
3. Students do not have to be currently enrolled in a drafting or design class.
4. Students may be home schooled, but the NEF regional representative and/or chapter representative must verify the grade equivalency of the student.

ENTRY REQUIREMENTS

1. Design projects must be limited to one student per submittal (no teams). Each entry must have five required drawings and two of the optional drawings for a total of seven drawings to be judged.
2. **CAD:** Original disks **may not** be submitted. Submitted entries **must be** blue line or black line (Ozalid) prints, and/or black line photocopies. Original plots must be on bond paper and submitted in black ink.
3. **Hand Drafting:** Only original designs and freehand lettered drawings can be submitted: i.e., no stencils or LeRoy lettering. Students may use guidelines and a straight-edge for lettering. Submitted entries will be copies on blue line or black line (Ozalid) prints and/or black line photocopies. Do not submit original drawings.
4. **Drawings must be 24" x 36"**. All plan drawings will contain a NORTH arrow and be labeled with the drawing scale.
5. Drawing scales are found in the required drawing section of the "Design Problem".
6. All drawings shall be plotted or drawn at the required scale. All drawings should be "Scale to fit" the sheet size.
7. Drawings **will not** be returned to the students.

ENTRANT INFORMATION

1. The student's name will be omitted from all drawings. The NAWIC Chapter or sponsor must contact the National CAD Design/Drafting Chair to obtain a code number. This code number **MUST** appear on each drawing in lieu of the student's name.
2. Attached to each drawing set must be a plain opaque sealed envelope containing the following student information:
 - a. Name, address, phone number and class year of the participant.
 - b. School's name, address and phone number.
 - c. Name and phone number of entrant's drafting or design instructor, if applicable.
 - d. A completed Student Application Form must be signed by the student and his or her instructor stating that the work is the student's own and that they did not receive outside help.
3. All entrants not adhering to the above criteria will be disqualified.

4. Winning entrants will be responsible for completing a W-9 form prior to receiving prize winnings.

Judges will evaluate each project with the following point system: *(see judging form for details)*

- Design Narrative/Design concept 20 Points
- Sheet A-1 *(Site Plan w/Roof plan)* 20 Points
- Sheet A-2 *(Floor Plan)* 35 Points
- Sheet A-3 *(Electrical Plan)* 25 Points
- Sheet A-4 *(Exterior Elevations (2))* 30 Points
- Sheet A-5 *(Building & Wall Section)* 30 Points
- Sheet A-6 *(Optional Drawing #1)* 10 Points
- Sheet A-7 *(Optional Drawing #2)* 10 Points
- Total Points Possible 180 Points**

APPLICATION AND ENTRIES:

1. Application for entry to be received no later than: **December 16, 2016**
2. Completed presentation to be submitted for judging on: **March 17, 2017**
3. Local winners will be announced by **April 15, 2016**
4. Regional winners will be announced after **April 30, 2017**
5. National winners will be announced after **June 1, 2017**
(All winners will be notified and prizes distributed by the NEF Office.)

5. Awards:		<u>Hand Drafting</u>	<u>CAD Design</u>
A. Local Awards		\$ 75.00	\$ 75.00
B. Regional Awards		\$ 100.00	\$ 100.00
C. National Awards	1 st	\$1500.00	\$1500.00
	2 nd	N/A	\$1000.00
	3 rd	N/A	\$ 500.00

Deliver plans to: **Fargo-Moorhead, ND #246**
657 2nd Ave N #763
Fargo, ND 58107



NAWIC EDUCATION FOUNDATION
CAD DESIGN/DRAFTING
AWARD COMPETITION 2016-2017
STUDENT APPLICATION FORM

Participant Name: _____

Participant Code: _____ (assigned by National Chair)

Grade: _____ Age: _____

Address: _____

City: _____ State: _____ Zip Code: _____

Phone #: _____ Social Security #: **required for award winners**

*** Race: _____ ***Gender: _____

***** NEF is a nonprofit Foundation and relies on grants to supplement our funding. Grant applications require we supply the race and gender of the students who participate in our projects.**

Parent/Guardian Name: _____

I wish to enter the NAWIC Education Foundation CAD/Design Drafting Competition. I have read and agree to be governed by all rules and specifications of the competition.

Please specify the type of drawing (choose one only): ☐ CAD ☐ Hand Drafting

Release: *I hereby consent to the use of my child's name or photograph in connection with promoting or publicizing the Foundation, or this specific event, now or in the future. On behalf of my child, I understand that his/her entry becomes the property of the NEF for its exclusive use. I further represent that this entry is the entrant's original work, and does not infringe on any patent, copyright, or other right of another. On the entrant's behalf, I agree to indemnify the NEF against any claim of infringement or violation of the rights of another in the design entered.*

Student's signature: _____

Teacher's signature: _____

Parent/Guardian (print): _____

Parent/Guardian (signature): _____

NAWIC Chapter or
Sponsor Name: _____ Region: _____

CAD/Design Drafting Chair: _____