



NAWIC Education Foundation



The National Association of
Women in Construction

*Leading
Builders.*

***Building
Leaders.***



The National Association of
Women in Construction

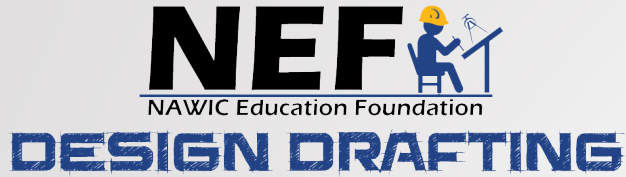
Fargo-Moorhead, ND



NAWIC Education Foundation

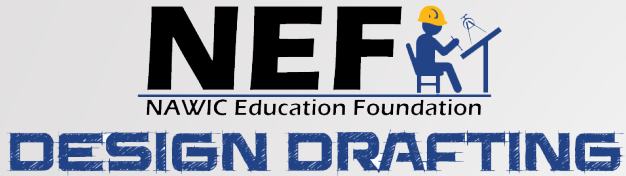
DESIGN DRAFTING

2024-2025



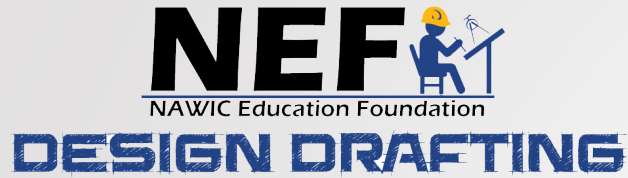
The Yearly “Problem” is:

- Designed by a licensed Architect or Engineer
- Is generic enough to meet the needs of all areas of the US and our international affiliates
- Includes a site description and plan
- List of required drawings and information



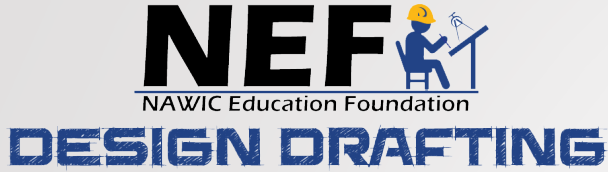
Students are “Recognized for”:

- Creative Design
- Successful Problem Solving
- Craftsmanship in preparing architectural drawings and renderings.



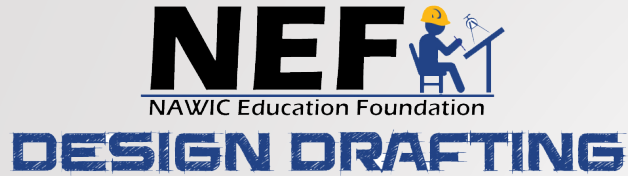
Students are “Evaluated On”:

- Detail
- Accuracy
- Originality of Work



The Design Drafting “Objective” is:

- To introduce the student to the construction industry in a positive and challenging manner, while fostering a sense of self-worth and building confidence.



2024-2025 Design Problem

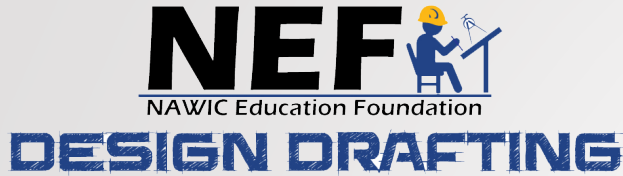
“Two Divisions”

- High School
 - 9th through 12th grade
- College (2yr or 4yr)
 - Freshman through 1st year Senior

2024-2025 Design Problem

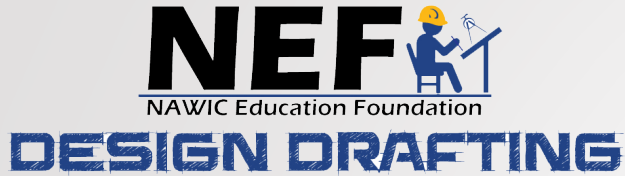
“High Speed Study Zone”

Much of the homework and studying done by today’s K-12 students requires high speed internet access. Unfortunately, a significant number of students do not have access to highspeed connections at home due to poverty or lack of connection options in rural areas. Some cities have responded to this by providing hotspots in local parks and at some libraries. But libraries have a closing time, and parks aren’t a great place to be if it’s raining or freezing.



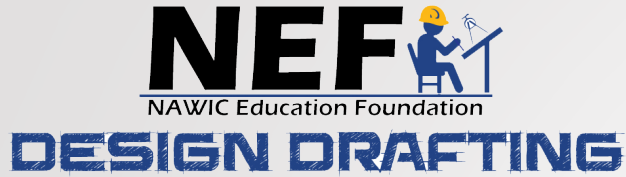
2024-2025 Design Problem

- Create a safe space for students to go to in the evening with access to highspeed internet connections for studying and completing schoolwork.
- *Accessible during and after school hours*
- *Requires two entrances:*
 - *One for everyone to use on a regular basis, and*
 - *One for an emergency exit*
- *All parts of the space must comply with ADA accessibility requirements*



2024-2025 Design Problem

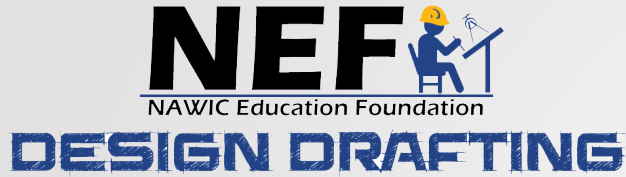
- Think about the things that make learning easier for you.
- You are your own best expert when it comes to what students need!



2024-2025 Design Problem


“Design Drawing General Requirements”

- Must include in each drawing:
 - Title block matching the format provided in the contest guidelines – Must be complete! (*see next slide*)
 - Standard scale will be $\frac{1}{4}'' = 1'0''$ unless otherwise noted
 - Include the Entry Code number as assigned by your administrator. Do Not list your name on the drawings. All units shall be in English system – no Metric system.



2024-2025 Design Problem

“Title Block”

 327 South Adams St.; Fort Worth, TX 76104	PROJECT: HIGH SPEED STUDY ZONE	
	DATE: 2024-2025	
	CONTESTANT CODE: 24 – MW – MN - 123456 - 001 - HD	
	PLAN NAME: SITE PLAN	
	PLAN #: A – 1	SCALE: ¼" = 1'

- Must match the format provided in the contest guidelines. All information in the block must be complete. The standard scale will be ¼" = 1'0" unless otherwise noted.

2024-2025 Design Problem

“Required for submission”

- **Design Drawing General Requirements** (*must be included in each drawing as shown in previous slide*).
 - Design Narrative / Concept (20 pts.)
 - Required Drawings: **(Total of 165 pts)**
 - A-1 Site Plan(25 pts)
 - A-2 Floor Plan (35 pts)
 - A-3 Ceiling/Electrical Plan (30 pts)
 - A-4 Exterior Elevations (Min. 2 views – Max.4 views) (25 pts)
 - A-5 Building Section (30 pts)

2024-2025 Design Problem

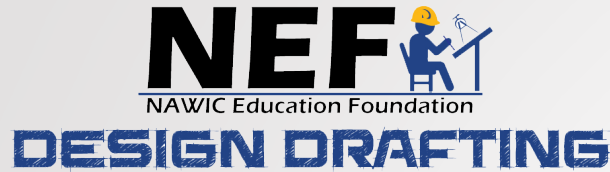
“Optional Drawings for submission”

- Bonus Drawings: Series (Total of 20 pts)
 - A-6 Bonus Drawing #1 (10 pts)
 - A-7 Bonus Drawing #2 (10 pts)

Total of 185 pts. With Bonus Drawings!

Possible drawing types include but are not limited to:

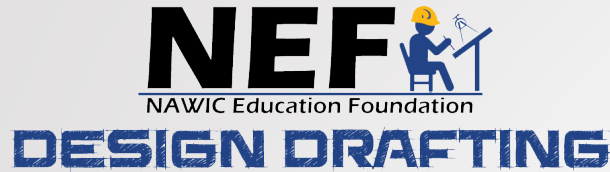
- *Additional Exterior Elevations*
- *Additional Interior Elevations*
- *Cabinetry elevations and sections*
- *Door and window elevations, schedules, and details*
- *Project phasing and schedule and budget with itemized cost breakdown*



2024-2025



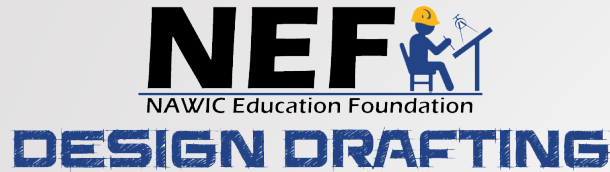
- NEF has partnered with Procore construction management software solutions to provide real time industry experience to students and instructors.
- Procore offers a FREE certification program for students that allows students and instructors an opportunity to learn how to use the Procore software and obtain the industry sought after certification.
- The instructors may explore the other certifications for their students. All certifications are free and available on Procore's website.



2024-2025



- NEF has set up our own Procore site for the 2024-2025 Design Drafting Competition
 1. Students can submit questions directly using the RFI (*Request for Information*) tool in the Procore platform (*a formal Q & A process*). Allow 2 – 3 days for NEF to respond and post an answer to the Procore website.
 2. Check the Procore platform regularly for updates of special announcements. Review the RFI section often to see if your question has been covered before submitting duplicate questions.
 3. All PDF and CAD files for this project may be found under the Documents tab in the Procore platform.

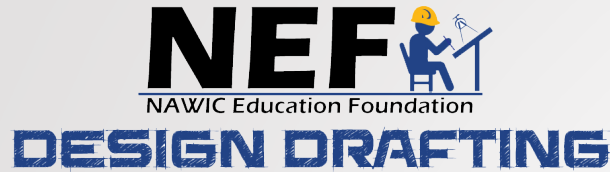


2024-2025



“To participate:”

- Go to www.nef-edu.org
- Click on the link – <https://form.jotform.com/211778269303056>.
- Allow 24-48 hours for a Procore link to be sent to you via email.
- Upon receipt of email, you will be granted access to the 24-25 Design Drafting Project.



2024-2025



NEF NAWIC Education Foundation

NAWIC Education Foundation Select a Project

Company Tools Portfolio

★ Favorites

PORTFOLIO

Projects Health Dashboard My Open Items

Export

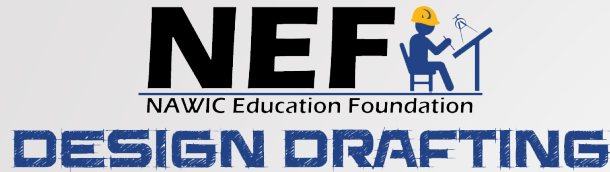
Search projects

Add Filters Clear All

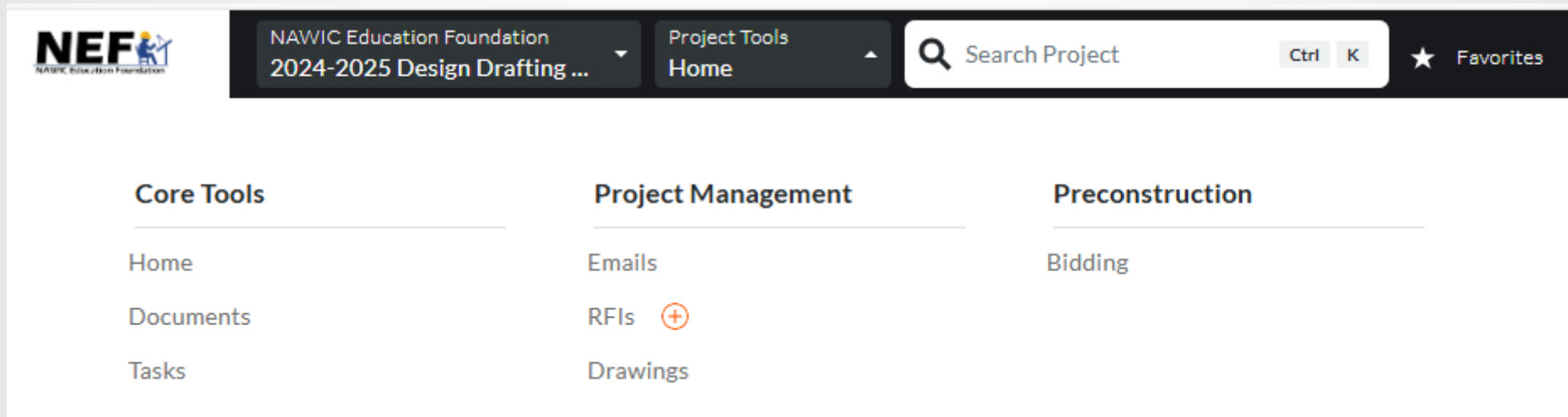
Displaying 1 of 1

Name	Project Number	Address	City	State	ZIP	Phone	Status	Stage	Type	Notes
2024-2025 Design Drafting Competition		327 South Adams Street	Fort Worth	Texas	76104	817-764-2638	Active	Bidding		

- Once you have access to the site – this is the page you will see. You will need to click on “2024-2025 Design Drafting Competition” to take you to the next screen.



2024-2025



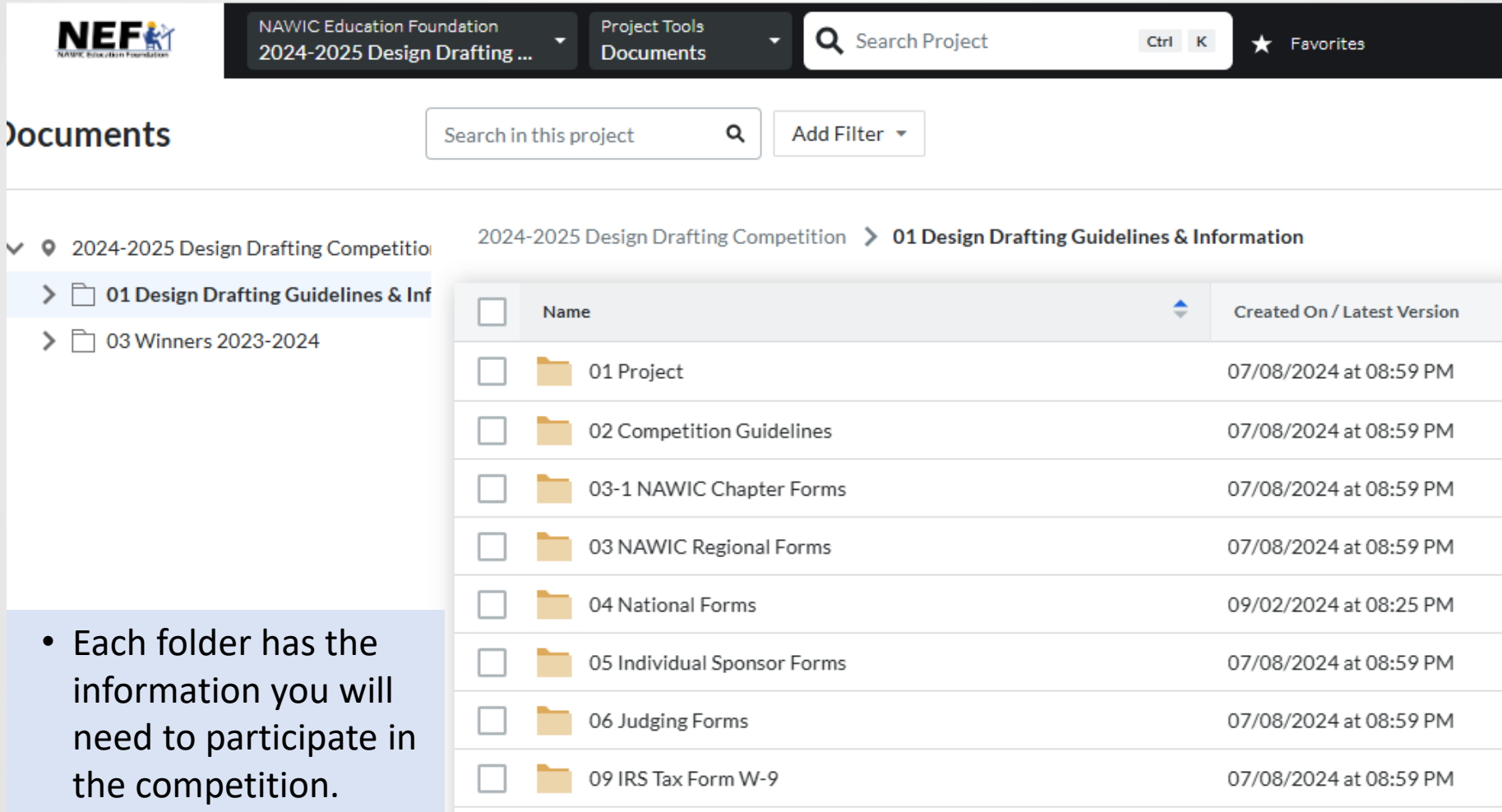
- Click on Project Tools to get this dropdown screen.
- Click on Documents (to find all the forms required) or RFIs (to check out the Requests for Information)

The screenshot shows the web application interface for the 2024-2025 Design Drafting Competition. At the top, there is a navigation bar with the NAWIC Education Foundation logo, a dropdown menu for '2024-2025 Design Drafting ...', a 'Project Tools Documents' dropdown, a search bar for 'Search Project' with 'Ctrl K' shortcuts, and a 'Favorites' link. Below the navigation bar, there is a 'Documents' section with a search bar and an 'Add Filter' dropdown. The main content area shows a tree view of the competition structure. The selected item is '2024-2025 Design Drafting Competition', which contains two folders: '01 Design Drafting Guidelines & Information' and '03 Winners 2023-2024'. A table below the tree view lists the folders with their names and creation dates.

<input type="checkbox"/>	Name	Created On / Latest Version
<input type="checkbox"/>	01 Design Drafting Guidelines & Information	07/08/2024 at 08:59 PM
<input type="checkbox"/>	03 Winners 2023-2024	07/08/2024 at 08:59 PM

Click on:

- 01-Design Drafting Guidelines & Information to access the problem, reference materials and forms
- 03 – Winners – These are not updated with the 23-24 Winners as of 9/16/24



Documents

Search in this project Add Filter

2024-2025 Design Drafting Competition > 01 Design Drafting Guidelines & Information

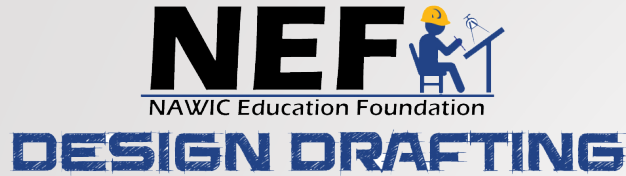
<input type="checkbox"/>	Name	Created On / Latest Version
<input type="checkbox"/>	01 Project	07/08/2024 at 08:59 PM
<input type="checkbox"/>	02 Competition Guidelines	07/08/2024 at 08:59 PM
<input type="checkbox"/>	03-1 NAWIC Chapter Forms	07/08/2024 at 08:59 PM
<input type="checkbox"/>	03 NAWIC Regional Forms	07/08/2024 at 08:59 PM
<input type="checkbox"/>	04 National Forms	09/02/2024 at 08:25 PM
<input type="checkbox"/>	05 Individual Sponsor Forms	07/08/2024 at 08:59 PM
<input type="checkbox"/>	06 Judging Forms	07/08/2024 at 08:59 PM
<input type="checkbox"/>	09 IRS Tax Form W-9	07/08/2024 at 08:59 PM

- Each folder has the information you will need to participate in the competition.

2024-2025 Design Problem

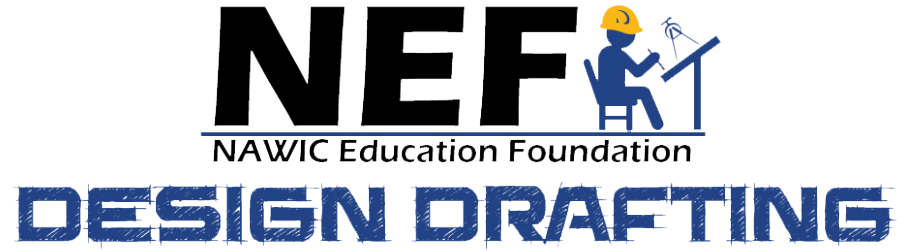
“References & Site Plan”

- Pages 3 & 4 of Design Problem & Project Description Lists:
 - *Page 3 - Resources* - *List of resources for the students*
 - *Page 4 – Site Plan*
 - *Conceptual Site Plan*



Schedule / Check List

- **Send Problem to High Schools & Colleges** - *ASAP after receiving from NEF*
- **Receive Applications** - *Date set by Chapter Chair*
- **Assign contestant numbers** (*Judged anonymously*) - *After receipt of Applications*
- **Send Student Acknowledgements** - *Within a week of receiving Apps*
- **Receive Submissions** - *No later than February 15th*
- **Judged by construction industry professionals** - *Date set by Chapter Chair*
- **Winner of local due to the Regional Chair** - *Third Monday in March*
- **Regional winner due to the National Chair** - *First Monday in April*
- ***National winners announced at NAWIC Annual Conference in August***





NAWIC Education Foundation

DESIGN DRAFTING

Chapter Chair

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