




1



2




3



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


4



Students are “Recognized for:”

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


5



Students are “Evaluated On”

- Detail
- Accuracy
- Originality of Work

6



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.

7



2022-2023 Design Problem

“Community Restorative Justice Center”

The Center will serve as a safe and equitable space within the community with spaces for community events, police outreach, and youth court.

8



2022-2023 Design Problem

- Spaces within the building should be flexible so that people can change the space to be more supportive of their restorative peacemaking process. A therapy dog will be available to help ease anxiety of those experiencing youth court.
- Incorporation of biophilic design – design tactics which increase building occupant connectivity to the natural environment using direct nature, indirect nature and space and place conditions.


9



2022-2023 Design Problem

- The materials used in the building (exterior and interior) should be reflective of the character of the community and the climate region.
- All interior spaces and the site should be accessible to people with physical, visual, and/or auditory impairment.

10



2022-2023 Design Problem

“Requirements”

- The building is to be at ground level and 1-store.
- Outside, near the front entry is to be a flagpole with a light shining on the flag.
- 1 Mechanical Room for the building (200 SF)
- 1 Electrical Room for the building (120 SF)

11



2022-2023 Design Problem

“Requirements - continued”

- Front/Entry/Lobby Area (approx. 1500-2500 SF)
 - Public Restrooms (ADA accessible) (approx. 80 SF)
 - 4 single user – unisex restrooms
- Community Meeting Flex Space
 - Dividable Multi-purpose room approx. 1000-1200 SF
- Community Outreach Police - 24/7 Access and Staffing
 - Open and connected to the lobby
 - K9 Room & Equine Room
 - 2 – Storage Rooms

12

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2022-2023 Design Problem

“Requirements - continued”

- Youth / Teen Court
 - Separate lobby and waiting area to accommodate 6-8 people connected to the main lobby.
 - Mediation Suite
 - Three Caucus rooms with a table and seating for 4-6 people.
 - Therapy Dog office connected to the court lobby and the main lobby.

13

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2022-2023 Design Problem

“Required for submission”

- **Design Drawing General Requirements** (*must be included in each drawing*)
- Design Narrative / Concept (*max. 20 pts.*)
- Required Drawings (5 sheets)
 - A-1 Formal Cover Sheet (*max. 25 pts.*)
 - A-2 Floor Plans (*max. 35 pts.*)
 - A-3 Reflected Ceiling Plan (*max. 25 pts.*)
 - A-4 Interior Elevations (4 views) (*max. 30 pts.*)
 - A-5 Electrical Lighting and Power Plan (*max. 25 pts.*)

14

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2022-2023 Design Problem

“Required for submission (cont.)”

- Optional Drawings (2 sheets) to add additional points to the overall score – A-6 a-e (max. 10 pts.) / A-7 a-e (max. 15 pts.)


<p>Optional A-6 Drawings (Choose One Only)</p> <p>A-6a – Covered Picnic/gazebo gathering area</p> <p>A-6b – Path of Honor with outdoor lighting</p> <p>A-6c – Two Wall Sections (per details)</p> <p>A-6d – Provide a 3D Axonometric Rendered Section</p>	<p>Optional A-7 Drawings (Choose One Only)</p> <p>A-7a – Construct & Photograph Your Original Scale Model</p> <p>A-7b – Recreation area (per details)</p> <p>A-7c – Floor finish plan of entry lobby (per details)</p> <p>A-7d – Specification for a Flagpole</p>
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15

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2022-2023 Design Problem

“Title Block”

 <p>327 South Adams St., Fort Worth, TX 76104</p>	PROJECT: COMMUNITY RESTORATIVE JUSTICE CENTER
	DATE: 2022-2023
	CONTESTANT CODE: 22 - MW - MN - 123456 - 001 - HD
	PLAN NAME: SITE PLAN WITH ROOF PLAN
	PLAN #: A-1 SCALE: 1/4" = 1'

- Must match the format provided in the contest guidelines. All information in the block must be complete. The standard scale will be 1/4" = 1'0" unless otherwise noted.

16

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2022-2023 PROCORE

- 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.


17

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2022-2023 PROCORE

- NEF has set up our own Procore site for the 2022-2023 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.

18




2022-2023




“To participate:”

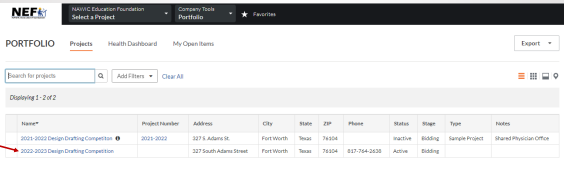
- Go to www.nef-edu.org
- Click on the link – <https://form.iotform.com/211778279303057>.
- Allow 24-48 hours for a Procore link to be sent to you via email.
- Upon receipt of email, you will be granted access to the 22-23 Design Drafting Project.

19




2022-2023






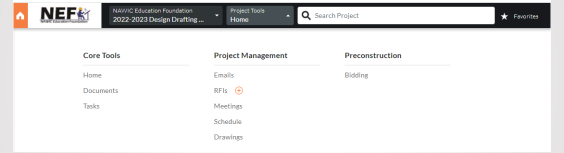
• Once you have access to the site – this is the page you will see. You will need to click on “2022-2023 Design Drafting Competition” to take you to the next screen.

20



2022-2023





• 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)

21

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2022-2023 **PROCORE**

Documents

2022-2023 Design Drafting Competition

- 01 Design Drafting Guidelines & Inf
- 03 Winners 2021-2022

Name	Created On / Latest Version
01 Design Drafting Guidelines & Information	06/08/2022 at 10:18 AM
03 Winners 2021-2022	06/08/2022 at 10:18 AM

Click on:

- 01-Design Drafting Guidelines & Information to access the problem, reference materials and forms
- 03 – Winners - If you'd like to view the submissions of last years winners – Design Concept and Drawings

22

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2022-2023 **PROCORE**

Documents

2022-2023 Design Drafting Competition > 01 Design Drafting Guidelines & Information

- 01 Project
- 02 Design Files
- 03 NAWIC Chapter Forms
- 04 NAWIC Regional Forms
- 05 Individual Sponsor Forms
- 06 Judging Forms
- 07 Reference Materials
- 08 Design Guidelines
- 09 IRS Tax Form W-9

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

Name	Created On / Latest Version
01 Project	06/08/2022 at 10:18 AM
02 Design Files	06/08/2022 at 10:18 AM
03 NAWIC Chapter Forms	06/08/2022 at 10:18 AM
04 NAWIC Regional Forms	06/08/2022 at 10:18 AM
05 Individual Sponsor Forms	06/08/2022 at 10:18 AM
06 Judging Forms	06/08/2022 at 10:18 AM
07 Reference Materials	06/08/2022 at 10:18 AM
08 Design Guidelines	06/08/2022 at 10:18 AM
09 IRS Tax Form W-9	06/08/2022 at 10:18 AM

23

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2022-2023 Design Problem

“Additional Information Provided”

2022-2023 Design Drafting Competition > 01 Design Drafting Guidelines & Information > 02 Design Files

Name
NEF Border-24x36.dwg
NEF Border-24x36-Reference.pdf
NEF Border-24X36-Revit2019.rfa
NEFBorder-DD Logo.jpg
Site Location-Reference.pdf

24


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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

25


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26

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27
