

## Entry Fee for Virtual Build Design Competition

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1. The entry fee for submissions will be equivalent to \$1 per can used in the build, with a minimum of \$1,500.
2. Teams will be required to submit either PDF or JPEG documents of their canstructures to our website portal at [canstruction-houston.com](http://canstruction-houston.com) by the posted deadline.
  - a. Models are not required to be in 3D rendering/format, but only 3D renderings/models will be eligible and submitted for national awards.
    - i. Typical Programs for 3D modeling include but are not limited to, Revit, SketchUp, ARCHICAD, 3DS Max, Photoshop, AutoCAD, etc.
  - b. Drawings/Renderings that will be required for judging are:
    - i. Elevations (Overall front view of design)
    - ii. Site Plan (Aerial view of design, showing layout on the build site)
    - iii. Section view (showing a layer of your design, including any applicable framework)
    - iv. Can count and type (if available)
3. Each modeled design **MUST BE** a buildable design, **NOT** a concept.
  - a. Teams are welcomed (and encouraged) to use their 2020 virtual design as their design entry to compete in the next year's competition.
  - b. There is no requirement to build the design, as judging will be based on the drawings/renderings submitted.

## Award Categories

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1. Awards will be given in the following categories: (Note: there will not be an award for Structural Ingenuity this year due to the virtual build).

<b>National Awards:</b>	Best Meal Most Cans Best Use of Labels People's Choice
<b>Local Awards:</b>	Best Sign Honorable Mention Best High School Team Best Professional Team
2. Winners in the National Award Category will go on to compete internationally through the submission of slides to a national panel of jurors.
3. Cansculptures could win in more than one category.

## Judging Criteria

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1. Judging time and date will be posted on the [canstruction-houston.com](http://canstruction-houston.com) website.
2. Judging is done anonymously. Sign submissions with company logos will not be judged.
  - a. Submit at least one CAD Modelling software design of the structure with no company logo for judging
3. Judging is based on a point system. Points are awarded based on the following criteria:
  - a. **Best Meal** – Does the cansculpture use ingredients that would create a balanced meal? Does it make for an appetizing meal?
  - b. **Most Cans** – The winner of this category is the cansculpture containing the most cans.

- c. **Best Use of Labels** – Are the labels used to create details on the cansculpture? Do the labels enhance the cansculpture's overall appearance?
  - d. **People's Choice** – The winner of this category is the most popular cansculpture determined by receiving the most public votes.
  - e. **Best Sign** – Does the story capture the readers' attention? Does the story describe what the cansculpture is and how it ties into fighting hunger? Is the artwork creative and original?
  - f. **Honorable Mention** – Does the cansculpture deserve recognition or acknowledgment for its impressive efforts? Is it considered a "close second"?
  - g. **Best High School Team** – Is it awe-inspiring? Will it create a lasting impression? Does the cansculpture excite or stimulate at first sight? Is the cansculpture creative in its use of cans, imagery, theme, or style? Is it a new twist on something or an original idea?
  - h. **Best Professional Team** – Is it awe-inspiring? Will it create a lasting impression? Does the cansculpture excite or stimulate at first sight? Is the cansculpture creative in its use of cans, imagery, theme, or style? Is it a new twist on something or an original idea?
4. Judges will additionally consider compliance with all Build-Out Rules & Regulations. Points will be deducted from a team's final score for violations of the Rules & Regulations.

### **Virtual Build Materials and Size**

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1. The maximum cansculpture size is 10 feet long by 10 feet wide by 8 feet tall.
  - a. Wall structures between one (1) and six (6) feet must be four (4) cans thick or more. Wall structures between six (6) and eight (8) feet must be five (5) cans thick or more. Wall structures of any height using the offset stack method may or may not use leveling. Where wall structures of any height using the inline stack method must use leveling to keep cans stable.
2. The Houston Food Bank cannot accept any food items where the label has been altered, removed, or destroyed, nor can they take damaged cans. Keep this in mind when creating your virtual design.

#### **Non-Permissible Design Items:**

- NO glass containers or alcoholic beverages
- NO junk food (e.g., candy, chips, etc.) or pet food
- NO opened, exposed, or expired food/beverage
- NO covered, removed, or altered can/product labels
- NO empty cans or plastic bottles/containers

#### **Permissible Design Items:**

- Canned food of all sizes with labels intact/unaltered
- Beverage cans of all sizes with labels intact (NO alcoholic beverages)
- Plastic bottles/containers of food/beverage with labels intact/unaltered
- Use of boxes, bags, and packets of food is acceptable; however, cans must be used for the majority of the structure

#### **All Structure Designs MUST be supported internally and externally by canned food and/or beverage cans between leveling materials.**

- a. Props may be used; however, it is best to solve design problems with food items. (If you must use props, try to make them out of food items such as tea or coffee bags, condiment packets, etc.) Lighting, mirrors, electronic devices are acceptable but may reduce a structure's chance of winning the International Competition.

- b. Boxes and other non-can items are discouraged, but not prohibited. The name of the competition is CANstruction. Jurors prefer to follow the name of the competition, and in recent national competitions, structures with boxes (unless used for flooring) did not make it through the elimination process.

## **Building Materials and Size**

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1. The maximum cansculpture size is 10 feet long by 10 feet wide by 8 feet tall.
  - a. Wall structures between one (1) and six (6) feet must be four (4) cans thick or more. Wall structures between six (6) and eight (8) feet must be five (5) cans thick or more. Wall structures of any height using the offset stack method may or may not use leveling. Where wall structures of any height using the inline stack method must use leveling to keep cans stable.
2. The Houston Food Bank cannot accept food donations where the label has been altered, removed, or destroyed, nor will they accept damaged cans. In addition, the Houston Food Bank is unable to accept open packages, perishable foods, baby food, pet food, or items with expired dates. Aluminum food cans of all sizes may be used. All Canned items must be full, unopened, and with labels intact and legible. Some manufacturers are switching to plastic cans. If using plastic, make sure they can take the pressure of cans from above.

### **Non-Permissible Design Elements:**

- NO glass containers or alcoholic beverages
- NO junk food (e.g., candy, chips, etc.) or pet food
- NO opened, exposed, or expired food/beverage
- NO covered, removed, or altered can/product labels
- NO empty cans or plastic bottles/containers

### **Permissible Design Elements:**

- Full, unopened, canned food of all sizes with labels intact/unaltered
- Full, unopened, beverage cans of all sizes with labels intact (NO alcoholic beverages)
- Full, unopened, plastic bottles/containers of food/beverage with labels intact/unaltered
- Use of boxes, bags, and packets of food is acceptable; however, cans must be used for the majority of the structure

### **All Structure Designs MUST be supported internally and externally by canned food and/or beverage cans between leveling materials.**

- a. Props may be used; however, it is best to solve design problems with food items. (If you must use props, try to make them out of food items such as tea or coffee bags, condiment packets, etc.) Lighting, mirrors, electronic devices are acceptable but may reduce a structure's chance of winning the International Competition.
  - b. Boxes and other non-canned items are discouraged, but not prohibited. The name of the competition is CANstruction. Jurors prefer to follow the name of the competition, and in recent national competitions, structures with boxes (unless used for flooring) did not make it through the elimination process.
3. Your structure design MUST be self-supporting. Foam-core, cardboard, particleboard, MDF, plywood, and plexiglass are limited to **¼-inch thick** (6mm) to serve as leveling materials and not load-bearing. Cardboard tubes used as guides must also be limited to ¼-inch thick. Teams should consider the effects of humidity, wind, and other environmental conditions within the building. If your team's structure is close to one of the outer doors, wind considerations should be included in the design of the structure.

### **Non-Permissible Design Elements:**

- NO wood or metal beams, struts, steel tubes, or bracing materials
- NO leveling materials (templates) greater than ¼-inch thick (6mm)
- NO sheet metal, steel plates, Fiberock, or glass
- NO permanent adhesives or bonding process (soldering, etc.)

**Permissible Design Elements: (provided they do not damage cans or labels)**

- Velcro, magnets, zip-ties, tape, silicone
- Rubber bands, nylon string, wire mesh, or wire
- Wood or steel rods, PVC pipe, threaded metal rods
- Leveling materials (templates) not greater than a ¼-inch thick (6mm)  
Examples of approved leveling materials are cardboard, foam core, particleboard, MDF, plywood, plexiglass, and fiberglass

**Canned Food Donations**

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1. Teams may solicit donations of canned goods from manufacturers, consultants, or conduct employee food drives. Refer to the requirements of information needed for the charity's federal tax return for details regarding team sponsor documentation that will need to be submitted. As we are a registered 501-c(3) organization, teams should download the Tax Exempt Form from the [canstruction-houston.com](http://canstruction-houston.com) website before purchasing any cans.
2. All can donations, must be dropped off to the Understory and placed in the collection bins provided. Please visit the [canstruction-houston.com](http://canstruction-houston.com) website for deadlines and directions to Understory.
3. **Note: Cans dropped off at the Houston Food Bank directly, risk not being counted toward the event and our competition.**

**Monetary Donations**

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1. Teams may solicit monetary donations from manufacturers, consultants, or use a social media platform to Raise Funds. Refer to the requirements of information needed for the charity's federal tax return for details regarding team sponsor documentation that will need to be submitted.
2. Donations may be made online through the DONATE tab on the [canstruction-houston.com](http://canstruction-houston.com) website through VENMO or by sending a check to our mailing address listed on the [canstruction-houston.com](http://canstruction-houston.com) website.
3. **Note: Payments made directly to the Houston Food Bank must include "Canstruction" in the reference notes on the check, to be counted toward the event, and for competition.**

**Can Information**

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The following can information must be submitted using the forms provided at [canstruction-houston.com](http://canstruction-houston.com):

1. List type of canned food used in the design of the structure (i.e., peas, corn, sweet potatoes, etc.)
2. Total number of cans used in the design (i.e., number of cans purchased)
3. Total cost of the proposed design

**Signage**

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If you are competing for the Best Sign Award, a digital file of your team sign must be submitted with your drawings/renderings by the deadline on the [canstruction-houston.com](http://canstruction-houston.com) website. Acceptable file formats are PDF or JPEG. The artwork must be high-resolution (300 dpi or higher), and submissions should be uploaded to the [canstruction-houston.com](http://canstruction-houston.com) website.