

# Installation Instructions

## Cairn Tower

Part # CB012



**ID SCULPTURE**

PLAY. CLIMB. EXPLORE.

591 South Boulevard Street  
Gunnison, Colorado 81230  
info@idsculpture.com  
970-641-1747

### Specifications: Cairn Tower

- Material: GFRC Concrete with Structural Foam
- Approximate Uninstalled Size: 12'-8" x 8'-8" x 11'-2" Tall
- Approximate Weight: 4,600 lbs
- Maximum Fall Height: 10'-2" (assumes 12" of protective surfacing)
- Age Group: 5-12 Years Old and Adult

### Required Parts (included):

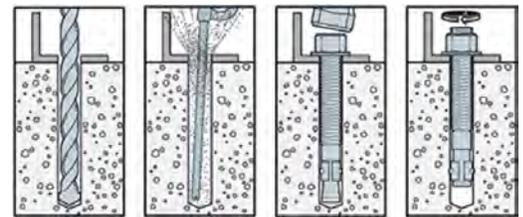
- Cairn Tower GFRC Sculpture
- 1" Fifting Stud
- 5/8" x 8-1/2" SS Wedge Anchor: 8ct
- Pick Point Plug
- Epoxy Cup
- "Cairn Tower" Drawing Set

### Recommended Equipment (not included):

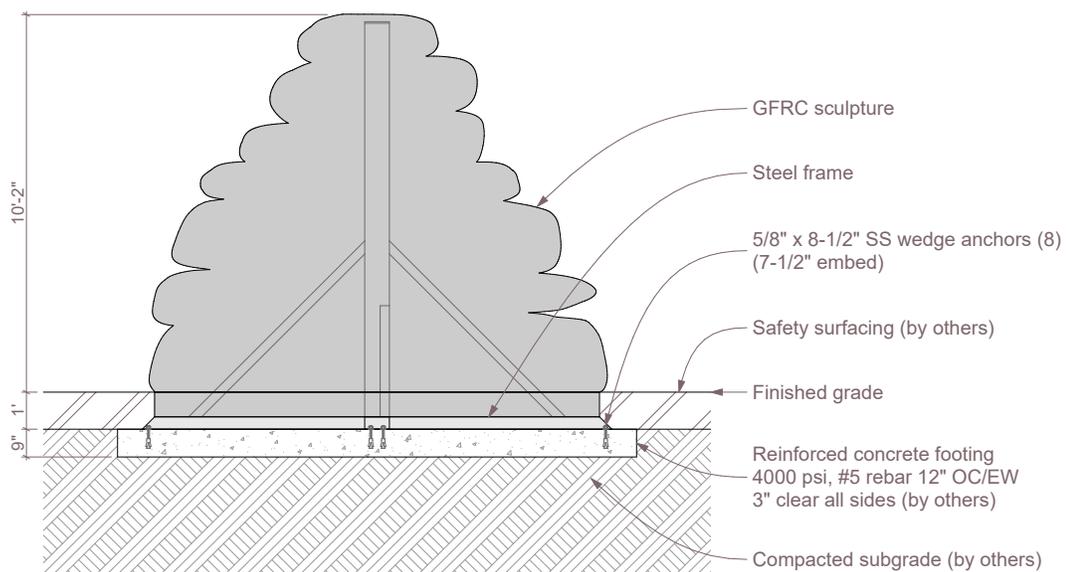
- Hammer Drill
- 5/8" x 11" Concrete Drill bit
- Air Compressor
- Hammer
- 15/16" Wrench
- 3/8" x 3' Chain
- Rigging Shackles: 2ct
- Large Adjustable Crescent Wrench
- Lift: Reach Type Forklift 6,000lb Capacity or Crane

### Important Notes:

- *Warning: Installation over a hard surface such as asphalt, or packed earth may result in serious injury or death from falls.*
- *It is the responsibility of the installer to ensure all components are installed in compliance with ASTM F-1487.*
- *All site built footings should be allowed to cure for a minimum of 48 hours prior to installation.*



Typical Wedge Anchor Installation



Section

# Installation Instructions

## Cairn Tower

Part # CB012



**ID SCULPTURE**

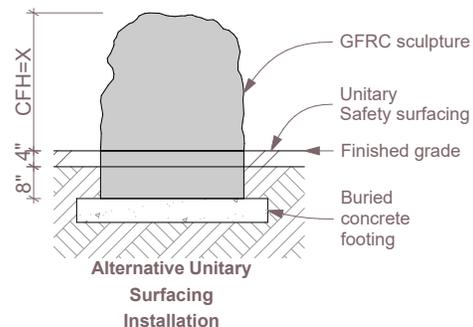
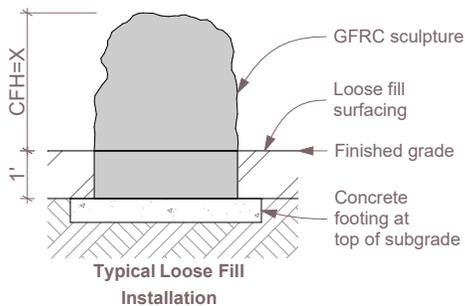
PLAY. CLIMB. EXPLORE.

591 South Boulevard Street  
Gunnison, Colorado 81230  
info@idsculpture.com  
970-641-1747

## PRE-INSTALL CHECKLIST

Please review prior to ordering and installing ID Sculpture products.

- 1. Verify that you have the recommended lifting equipment to unload and install your component, as specified by the installation instructions. Please check the installation instructions for the weight of each component and shipping dimensions.
- 2. Develop a proper plan to access the site and control access prior to opening.
- 3. Call your local utilities to locate any potential existing below grade equipment?
- 4. FOR ALL SCULPTURES: Verify you have accounted for adjustments to the footing depth based on your choice of safety surfacing material. Footing depth must be adjusted to compensate for the depth/thickness requirements of the selected safety surfacing (see diagrams below). Layout drawings show the uninstalled dimensions of the component. If you require a modification to a standard component, please notify ID Sculpture when placing your order. *Additional charges may apply.*



\*Critical Fall Height (CFH)

- 5. Verify that you have installed any required footings prior to the arrival of your sculptures. Please note, footings should be allowed to cure for a minimum of 7 days.

### Important Safety Note:

Please install and maintain adequate protective surfacing under and around your equipment. Never let children play on the equipment before protective surfacing is installed. Please consult ASTM F1487 for more information.

# Installation Instructions

## Cairn Tower

Part # CB012



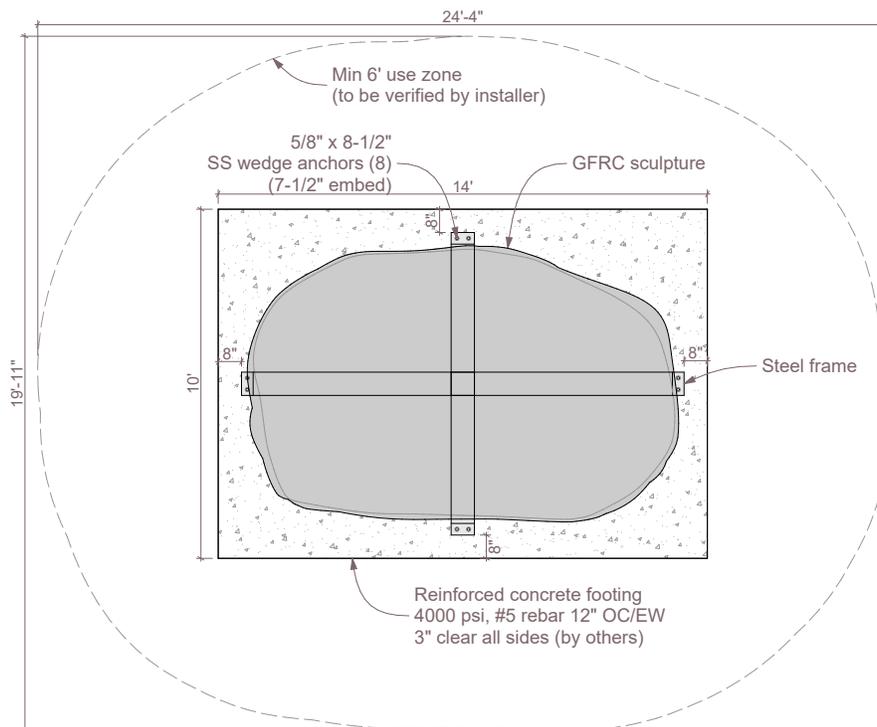
**ID SCULPTURE**

PLAY. CLIMB. EXPLORE.

591 South Boulevard Street  
Gunnison, Colorado 81230  
info@idsculpture.com  
970-641-1747

### Sculpture Installation:

1. Locate and construct the footer based on the provided layout plan drawing.
2. Make sure that the Lifting Stud is securely threaded.
3. Attach the lift to the Lifting Stud located on the top of the piece using the 3' chain, lifting strap, and rigging shackles.
4. Lift the sculpture using an appropriate reach forklift or crane taking care to equalize the load on chains by adjusting chain length and using industrial ratchet straps from frame base to spreader bar.
5. Set the piece in place on the footing. Verify all use zones as defined by ASTM 1487 before drilling anchor holes.
6. Drill through the holes in the mounting brackets with a 5/8" x 10" hammer drill bit to a minimum depth of 7-1/2", clean holes with compressed air and brush.
7. Install the stainless steel wedge anchors and tighten.
8. Remove the Lifting Studs and install the Pick Point Plugs using the included silicone. Apply a bead of silicone around the perimeter of the provided plugs, approximately 3/4" below the top edge to avoid excess silicone bleeding out onto the finished surface. Insert plug into hole and press firmly until flush with surface. Wipe finished surface clean with a damp rag or towel.
9. Back fill to top of frame members with subgrade material.
10. Install resilient surfacing material in accordance with layout guidelines, and ASTM standards.



Plan

# Installation Instructions

## Cairn Tower

Part # CB012



**ID SCULPTURE**

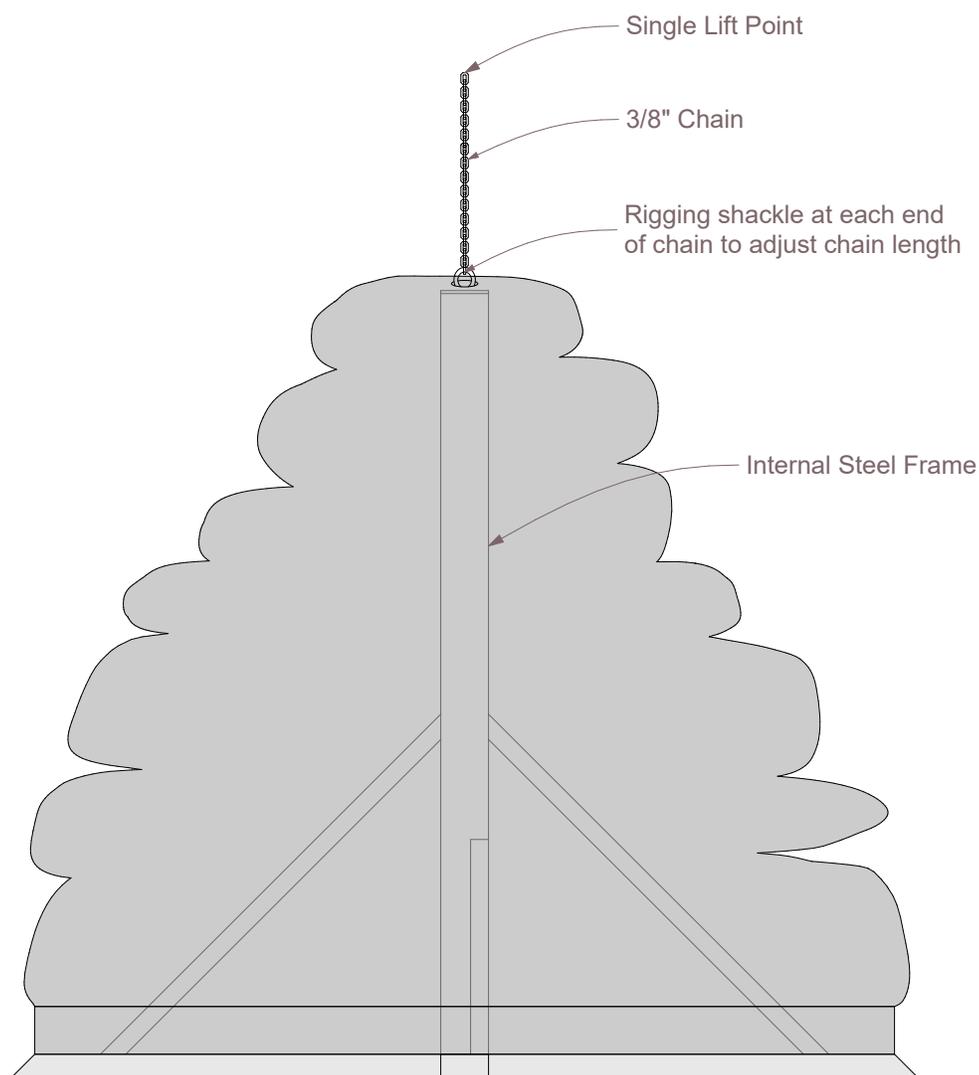
PLAY. CLIMB. EXPLORE.

591 South Boulevard Street

Gunnison, Colorado 81230

info@idsculpture.com

970-641-1747



Pick Diagram