

Installation Instructions

Split Arch

Part # PB019



ID SCULPTURE

PLAY. CLIMB. EXPLORE.

591 South Boulevard Street

Gunnison, Colorado 81230

info@idsculpture.com

970-641-1747

Specifications: Split Arch

- Material: GFRC concrete with structural foam
- Approximate uninstalled size (Arch #1): 12'-6" x 7'-0" x 11'-4" tall
- Approximate uninstalled size (Arch #2): 13'-10" x 5'-9" x 9'-7" tall
- Approximate weight (Arch #1): 7,400 lbs
- Approximate weight (Arch #2): 6,400 lbs
- Maximum fall height: 10'-0" (with 1' of protective surfacing)
- Age group: 5-12 years old

Required Parts (included):

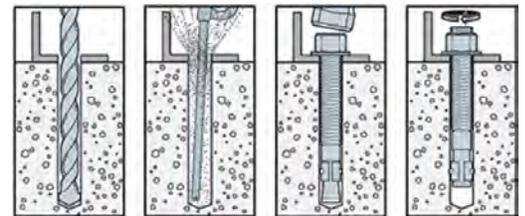
- Split Arch #1, Split Arch #2 GFRC Sculptures
- 1" lifting studs: 4ct
- 3/4" X 8 1/2" SS Wedge Anchor: 24ct
- Pick point plugs: 4ct
- Tube of Clear Silicone: 2ct
- "Split Arch" drawing set

Recommended Equipment (not included):

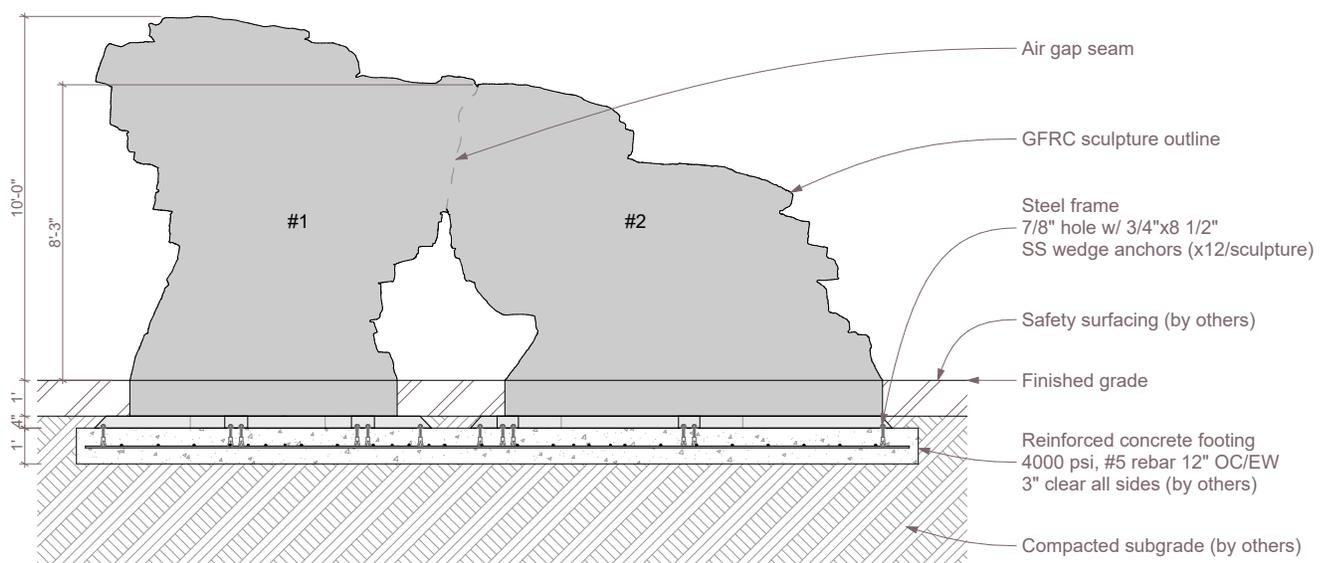
- Hammer drill with 3/4" x 10" concrete drill bit
- Air compressor
- Hammer
- 1-1/8" Wrench
- 3/8" x 6' Chain: 2ct
- 1/2" Quick link: 4ct
- Industrial Ratchet Straps: 2ct
- Large adjustable crescent wrench
- Lift: reach type forklift 10,000lb capacity or crane
- 10' spreader bar

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

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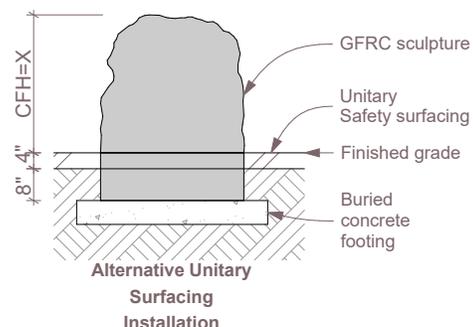
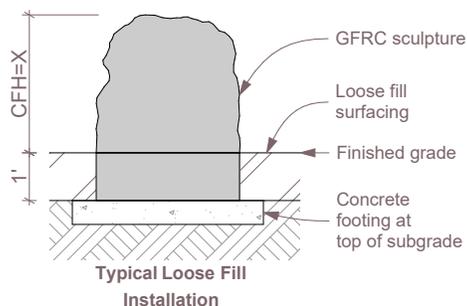
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PRE-INSTALL CHECKLIST

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.

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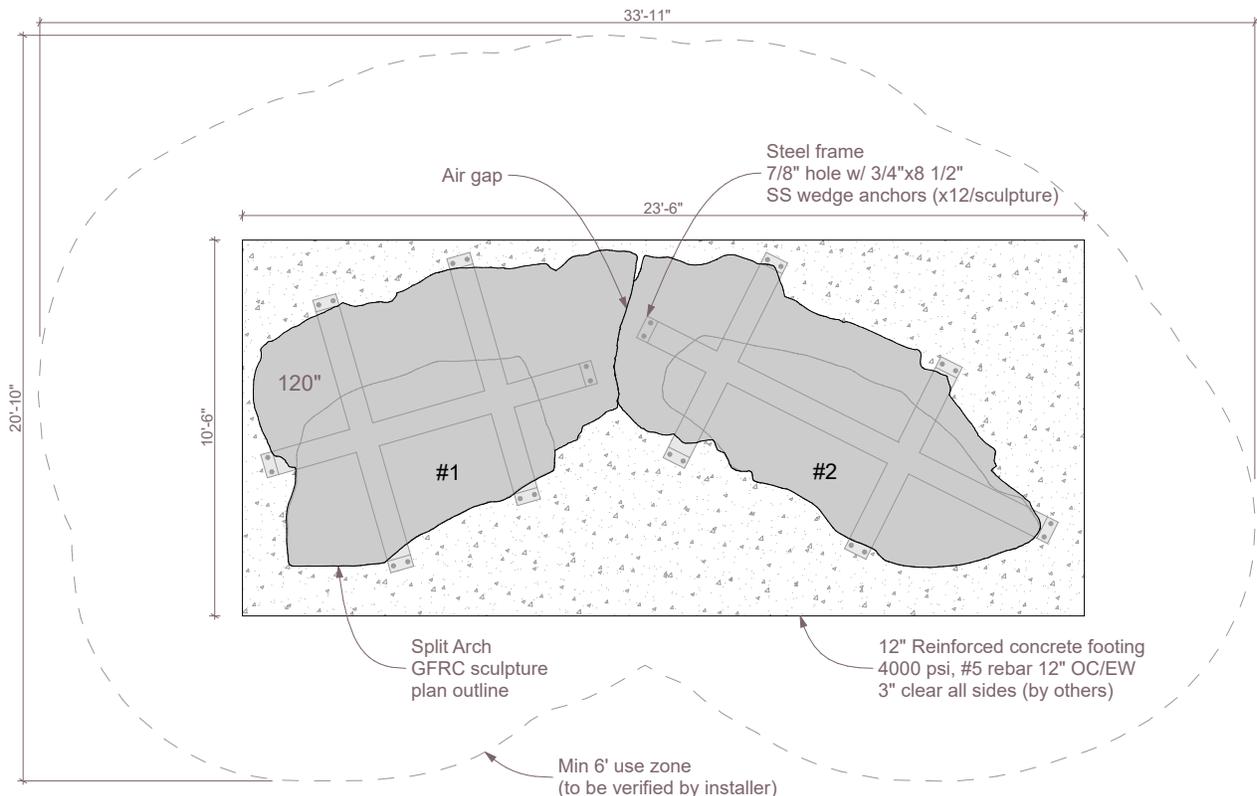
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Sculpture Installation:

1. Locate and construct the footer based on the provided layout plan drawing.
2. Make sure that the Lifting Studs are securely threaded.
3. Attach the lift to the Lifting Studs located on the top of the piece using the (2) 6' chains and 6' spreader bar.
4. Split Arch #1 (the larger component) installs first, and then Split Arch #2 (the smaller component) installs second. Lift one sculpture at a time 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 component #2 after placing component #1 and carefully align the "air gap" crack so that the rubber spacer is in contact with both #1 and #2. When properly aligned the interior of the gap will remain a similar distance apart. Verify all use zones as defined by ASTM 1487 before drilling anchor holes.
6. Drill through the holes in the frame with a 3/4"x10" 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

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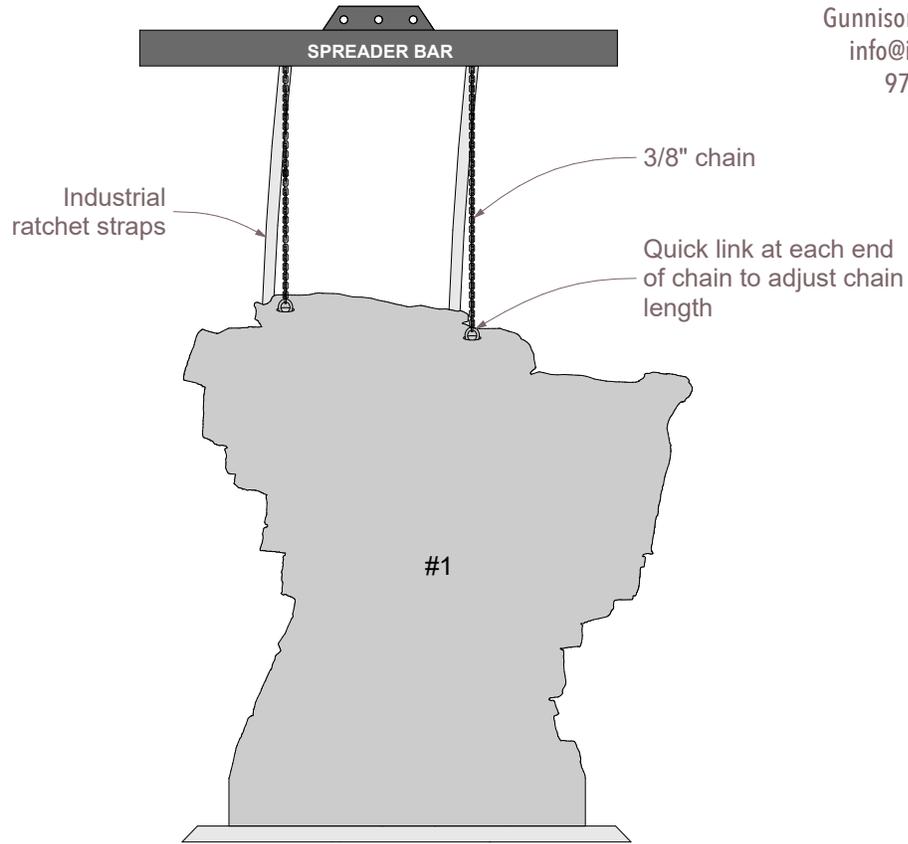
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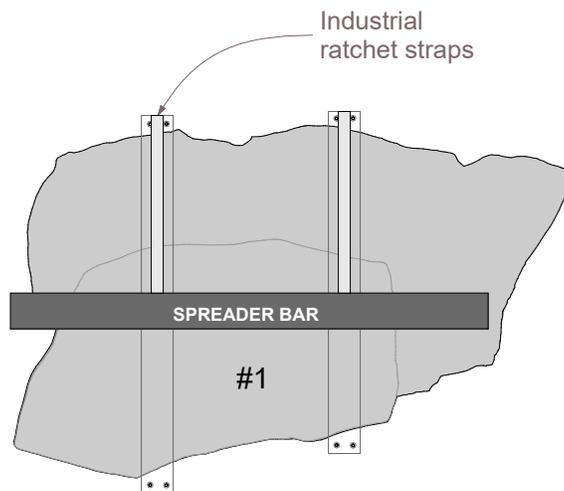
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Pick Diagram - Elevation - Arch#1



Ratchet straps from spreader bar to feet of frame to stabilize weight

Pick Diagram - Plan - Arch#1

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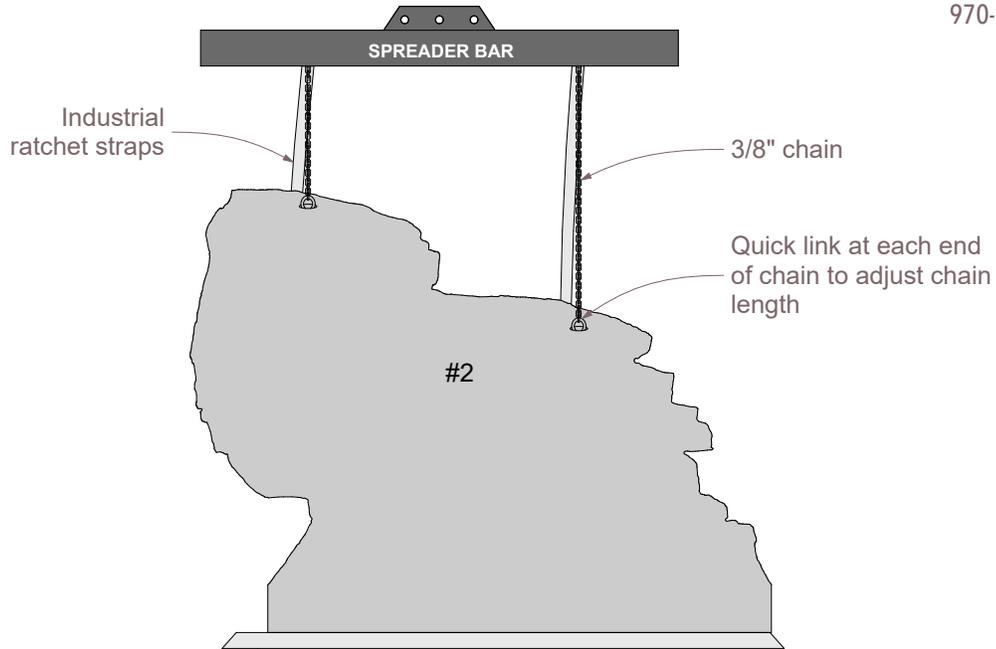
Part # PBo19



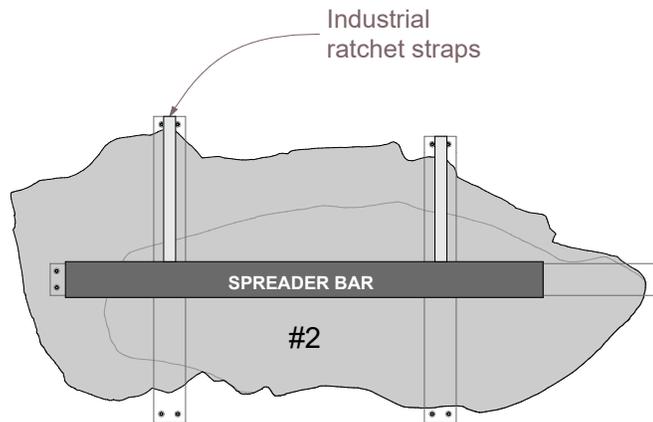
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Pick Diagram - Elevation - Arch#2



Ratchet straps from spreader bar to feet of frame to stabilize weight

Pick Diagram - Plan - Arch#2