

Installation Instructions

Via Ferrata Boulder 1 Combo

Part # VFC001-A



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

Specifications: Via Ferrata Boulder 1 Combo

- Material: GFRc Concrete with Structural Foam, Sculpture Ropes
- Approximate Uninstalled Size: 5'-7" x 4'-3" x 7'-0"
- Approximate Weight: 2,900 Lbs
- Maximum Fall Height: 5'-7" (assumes 12" of protective surfacing)
- Age Group: 5-12 Years Old

Required Parts (included):

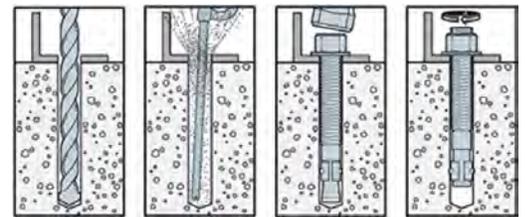
- Via Ferrata Boulder 1
- Via Ferrata Ramp Net
- 4" x 4" x 3/8" Aluminum Angle Mounting Brackets: 4ct
- 3/4" x 8 1/2" SS Wedge Anchor (Sculpture Anchors): 4ct
- 1/2" x 8 1/2" SS Wedge Anchor (Rope Anchors): 3ct
- Bolt Hanger (lifting eye): 4ct
- Igloo Rope Connector w/Connection Pin: 3ct
- Security Hex Key
- "Via Ferrata Boulder 1 Combo" Drawing Set

Recommended Equipment (not included):

- Hammer Drill
- 3/4" x 10" Concrete Drill Bit
- 1/2" x 10" Concrete Drill Bit
- Air Compressor with Blow Tube
- Hole Brush
- 1-1/8" Wrench
- 3/4" Wrench
- 12' Lifting Straps: 4ct
- 1/2" Quick Links: 4ct
- Large Adjustable Crescent Wrench
- Lift: Reach Type Forklift 8,000lb Capacity, Skid Steer 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

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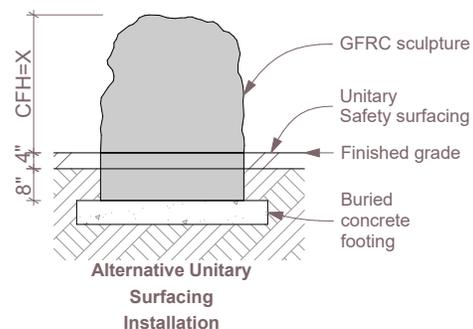
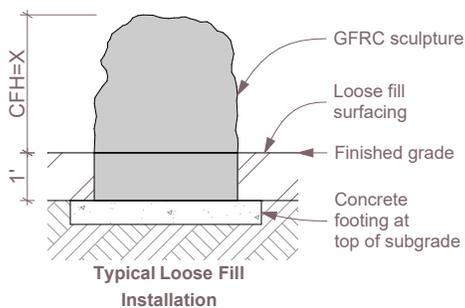


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PRE-INSTALL CHECKLIST

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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1. Locate and construct the footer and the piers based on the provided layout plan drawing.
2. Make sure that the Bolt Hanger / lifting eyes are securely attached to the bolts protruding from the base of the sculpture. Secure the Lifting Straps to Bolt Hangers using 1/2" Quick Links.
3. Lift the sculpture using an appropriate reach forklift or crane taking care to equalize the load on straps. Refer to pick diagram (page 5).
4. Set the sculpture in place on the footing, verify all use zones as defined by ASTM 1487 before drilling anchor holes.
5. Remove the bolt hangers and replace the nut over mounting brackets.
6. Drill through the holes in the mounting brackets and into the concrete slab with a 3/4" 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 3/4" x 8 1/2" wedge anchors and tighten.
8. Connect Ramp Net to GFRC sculpture with provided igloo rope connectors & connection pins.
9. Locate the chain connection points by pulling chain in line with the net and mark holes in the concrete piers. Remove excess chain links as necessary.
10. Drill and clean holes (3) with a 1/2" hammer drill bit in the marked locations on the footer to a minimum depth of 7".
11. Secure the supplied 1/2"x8-1/2" SS wedge anchors (3) leaving 1-1/2" of thread exposed above pier.
12. Connect chain to the wedge anchor following the detail below. Trim anchor stud flush with top of nut.
13. Install resilient surfacing material in accordance with layout guidelines, and ASTM standards.

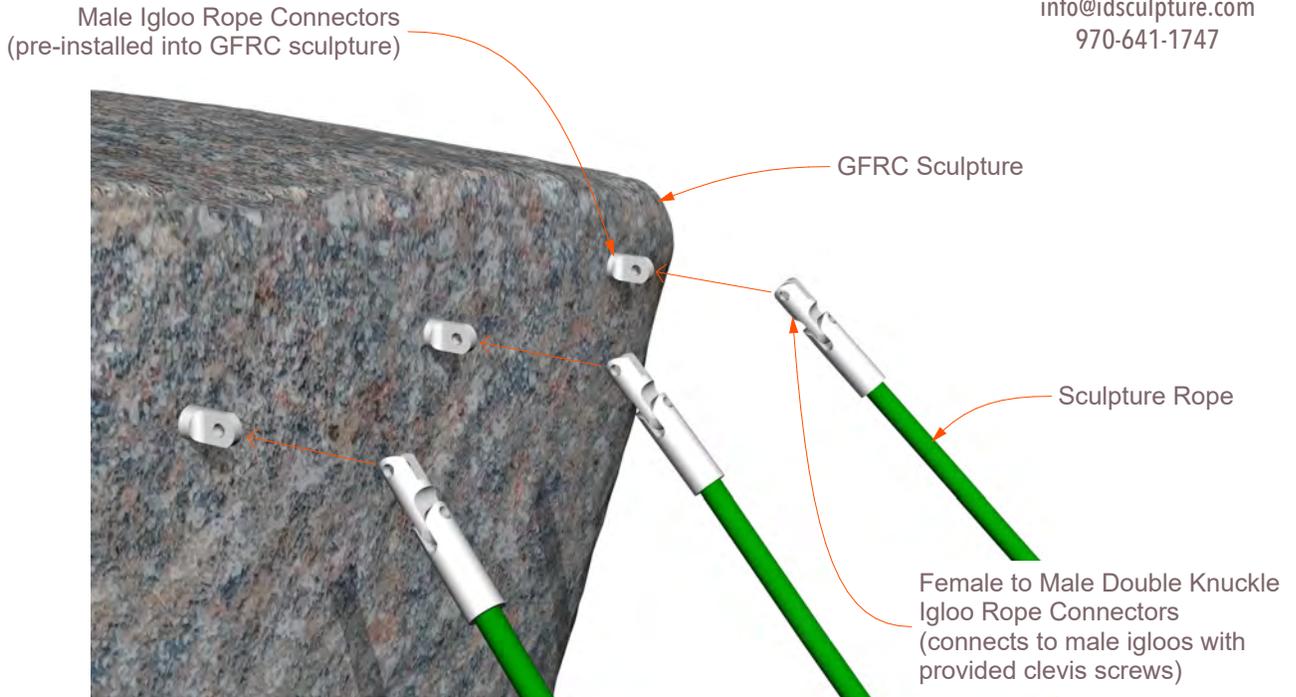
Never intall any rope component taut. Some slack should be present.

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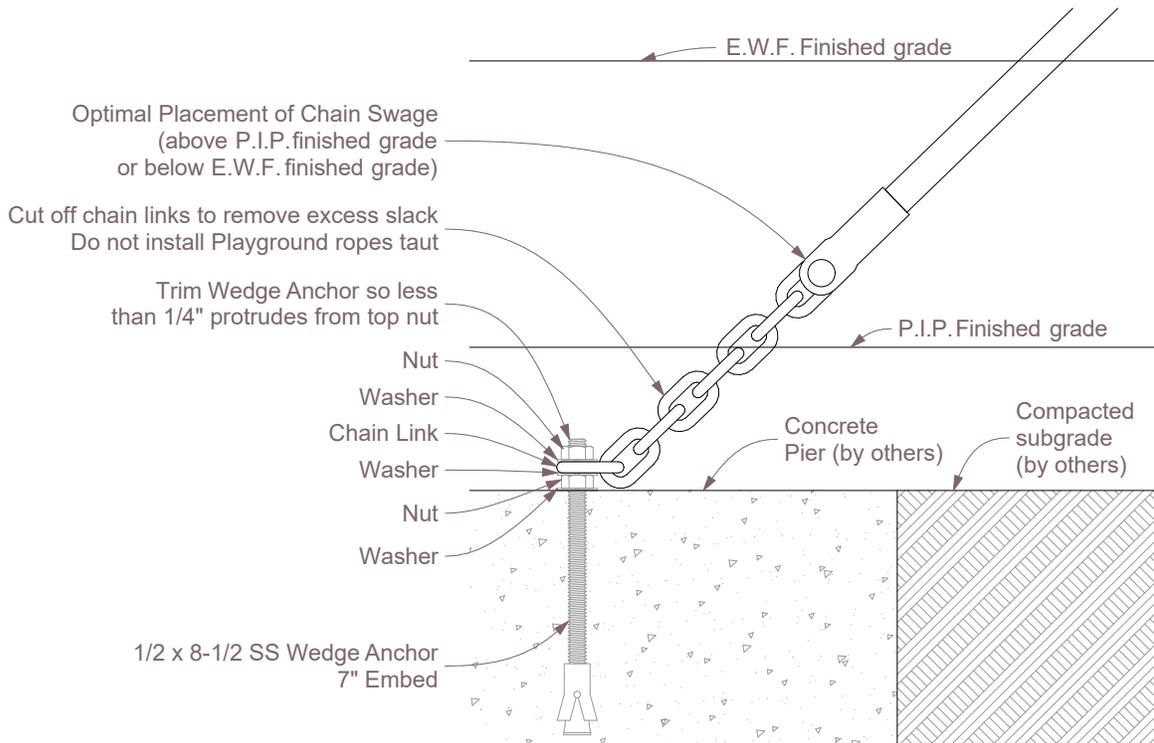
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Rope to Sculpture Connection Detail



Rope and Chain to Concrete Pier Connection - Typical Detail

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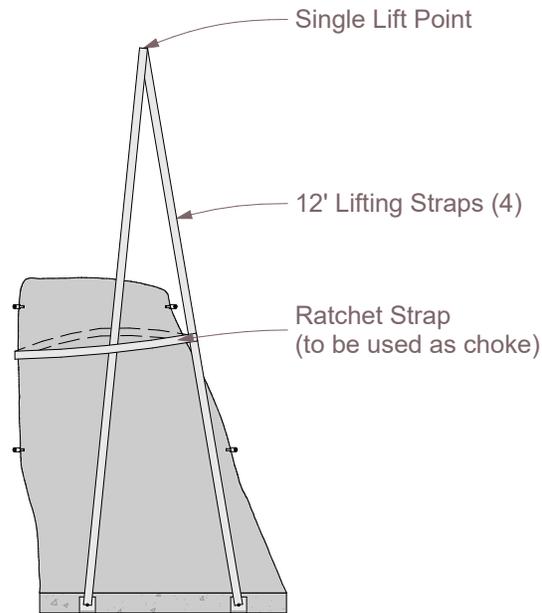
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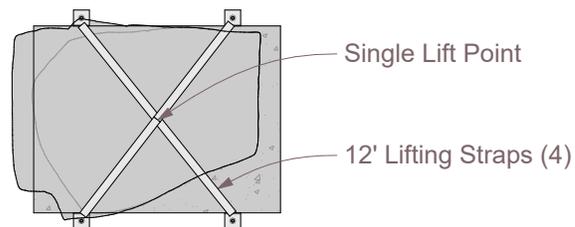
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Example of ratchet strap choke on typical boulder. Strap is used to equalize load when lifting.
(Note: this is not a Via Ferrata Boulder)



VF Boulder 1 Pick Diagram - Elevation



VF Boulder 1 Pick Diagram - Plan