

Installation Instructions

Interactive Pack Boulder

DL-IPB-NTC

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Specifications:

- Material: GFRC concrete with structural foam
- Approximate uninstalled size: 10-6" x 5'-4" x 4'-2" Tall
- Approximate weight: 4000 Lbs
- Maximum fall height: 3'-2" (with 1' of protective surfacing)

Required Parts (included):

- GFRC sculpture
- 4"x4"x3/8" aluminum angle mounting brackets: 4ct
- 1/2" X 5 1/2"SS wedge anchor: 4ct
- Bolt hanger (lifting eye) : 4ct
- "Interactive Pack Boulder" drawing set

Recommended Equipment (not included):

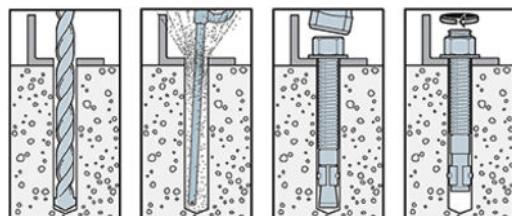
- Hammer drill
- 1/2"x 6" concrete drill bit
- Air compressor
- Hammer
- 15/16" wrench
- 12' lifting straps: 4ct
- 1/2" quick link: 4ct
- Large adjustable crescent wrench
- Lift: reach type forklift 6000lb capacity or crane



To verify product certification, visit www.ipema.org

Important Notes:

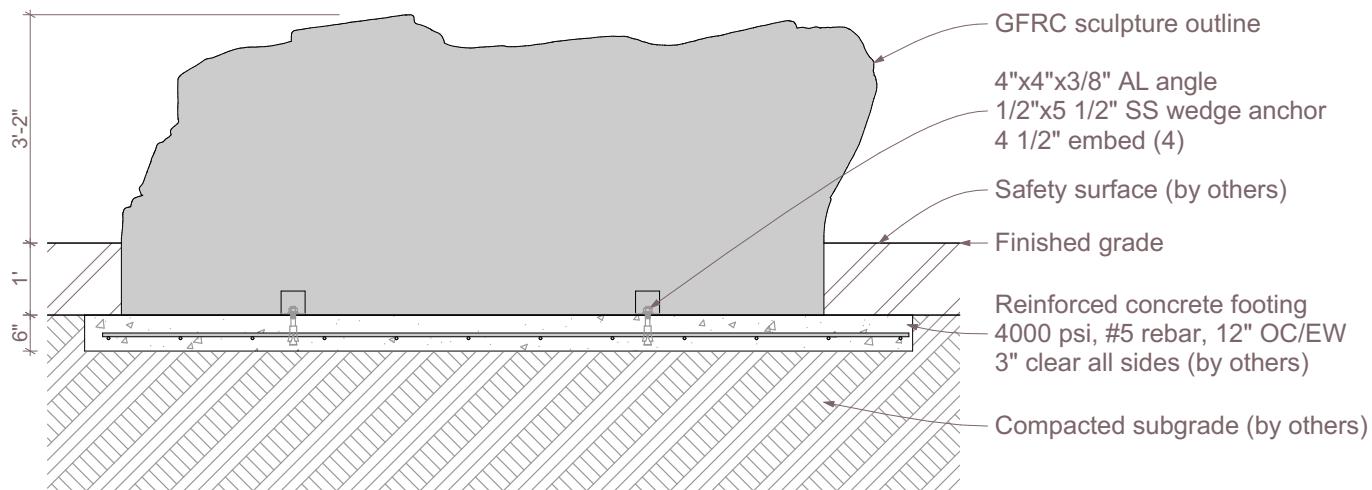
- **Warning:** Installation over a hard surface such as asphalt, or packed earth may result in serious injury or death from falls.
- It is the responsibility of the installer to ensure all components are installed in compliance with ASTM F-1487.
- All site built footings should be allowed to cure for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



Typical Wedge Anchor Installation

Note:

When determining critical fall height please allow for +/- 2" tolerance in concrete surface



Plan

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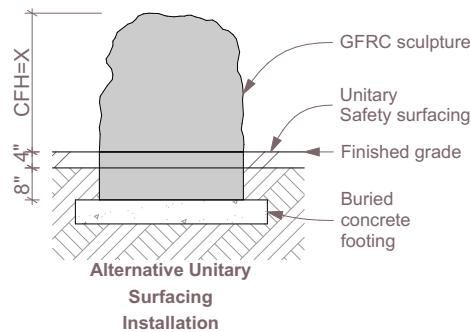
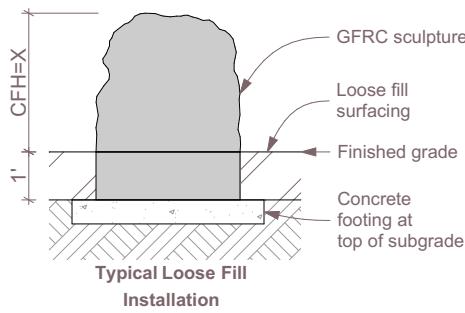
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PRE-INSTALL CHECKLIST

Please review prior to ordering and installing 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.



*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 dogs play on the equipment before protective surfacing is installed.

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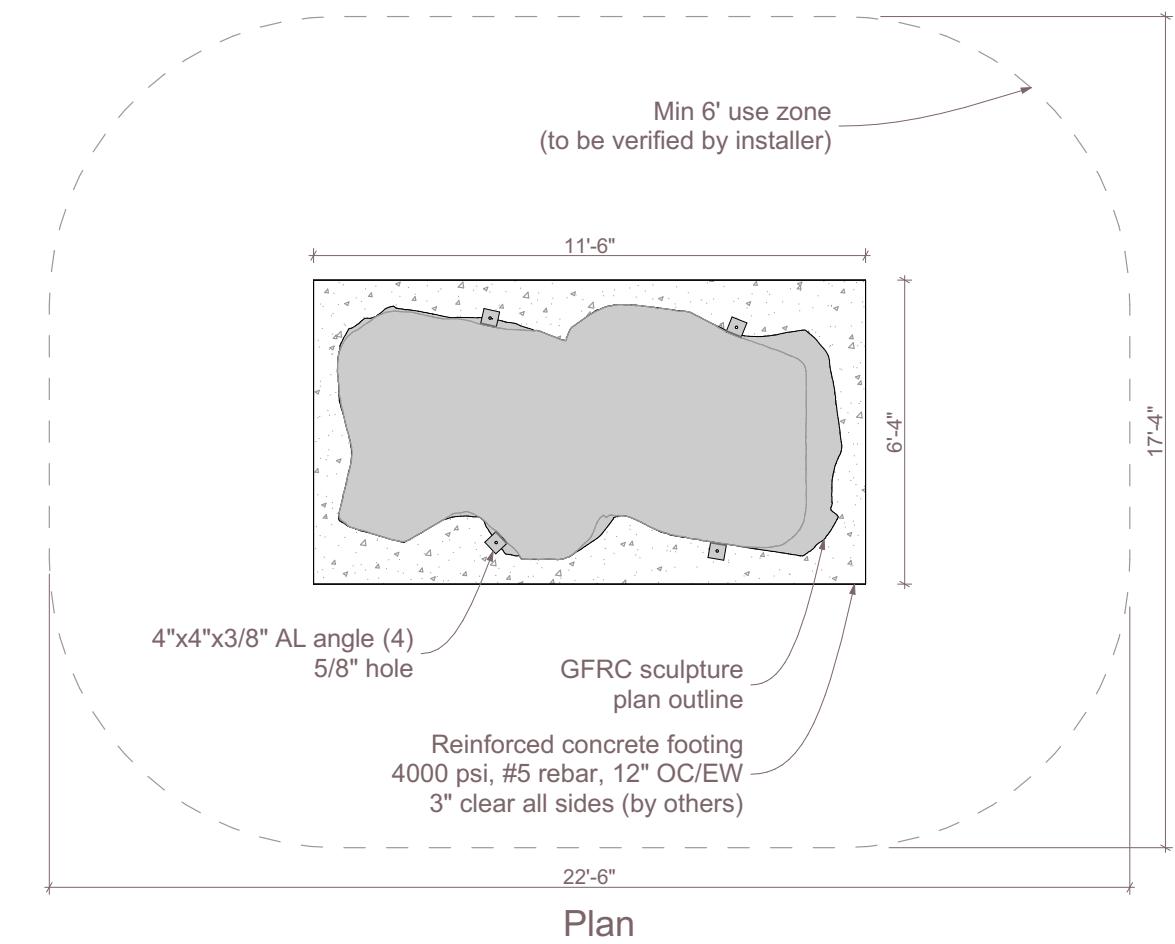
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Sculpture Installation:

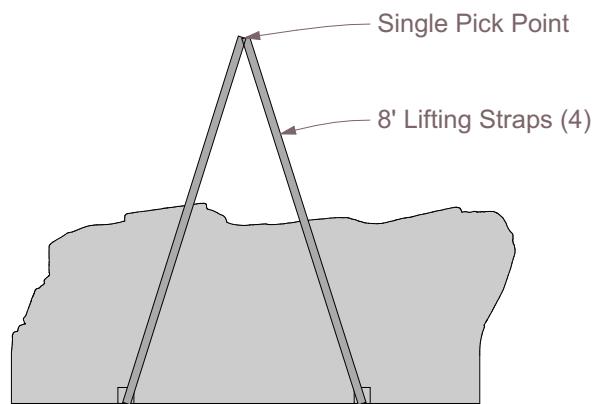
1. Locate and construct the footer based on the provided layout plan drawing.
2. Place the palette mounted Boulder on the footing, disconnect the boulder to palette connection bolts and discard.
3. Make sure that the Bolt Hanger / lifting eyes (4ct) are securely attached to the 5/8" bolts protruding from the base of the boulder. Secure the (4) 8' lifting straps to Bolt Hangers using 1/2" quick links.
4. Lift the sculpture using an appropriate reach forklift or crane taking care to equalize the load on straps.
5. Set the boulder in place on the footing, verify all use zones as defined by ASTM 1487 before drilling anchor holes.
6. Remove the Bolt Hangers, replace the 5/8" nut over mounting brackets
7. Drill through the holes in the mounting brackets with a 1/2"x6" hammer drill bit to a minimum depth of 4 1/2", clean holes with compressed air and brush.
8. Install the stainless steel wedge anchors and tighten.
9. Install resilient surfacing material in accordance with layout guidelines, and ASTM standards.



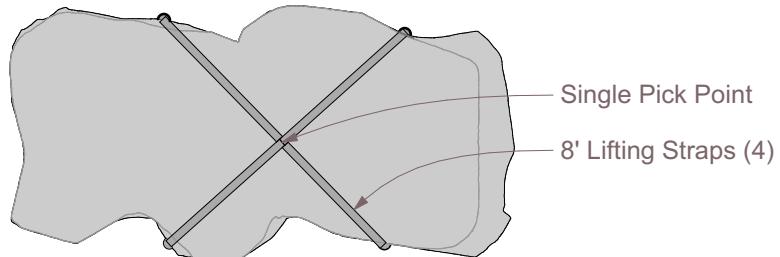
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Pick Diagram - Elevation



Pick Diagram - Plan