

Installation Instructions

Shipwreck Combo

Part # SC058



ID SCULPTURE

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

Specifications: Shipwreck Combo

- Material: GFRC Concrete with Structural Foam and Steel
- Approximate Uninstalled Size (Shipwreck Bow): 9'-4" x 6'-6" x 5'-8" Tall
- Approximate Uninstalled Size (Shipwreck Mid): 12'-9" x 7'-6" x 8'-4" Tall
- Approximate Weight (Shipwreck Bow): 6,000 lbs
- Approximate Weight (Shipwreck Mid): 5,000 lbs
- Maximum Fall Height: 6'-11" (with 12" of safety surfacing)
- Age Group: 5-12 Years Old

Required Parts (included):

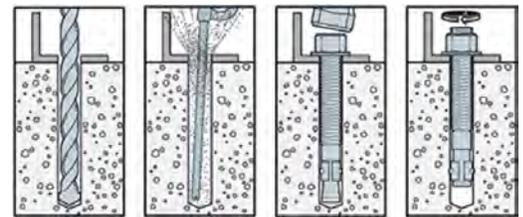
- Shipwreck Bow GFRC Sculpture
- Shipwreck Mid GFRC Sculpture
- Cargo Net Sculpture Ropes and Hardware
- Mast Net Sculpture Ropes and Hardware: 2ct
- 4"x4"x4"x3/8" Aluminum Angle Mounting Brackets: 12ct
- Bolt Hanger (Lifting Eye): 8ct
- 3/4" x 8-1/2" SS Wedge Anchor: 18ct
- 1/2" x 8-1/2" SS Wedge Anchor: 8ct
- Igloo Rope Connection Pin: 18ct
- Security Hex Key
- "Shipwreck Combo" Drawing Set

Recommended Equipment (not included):

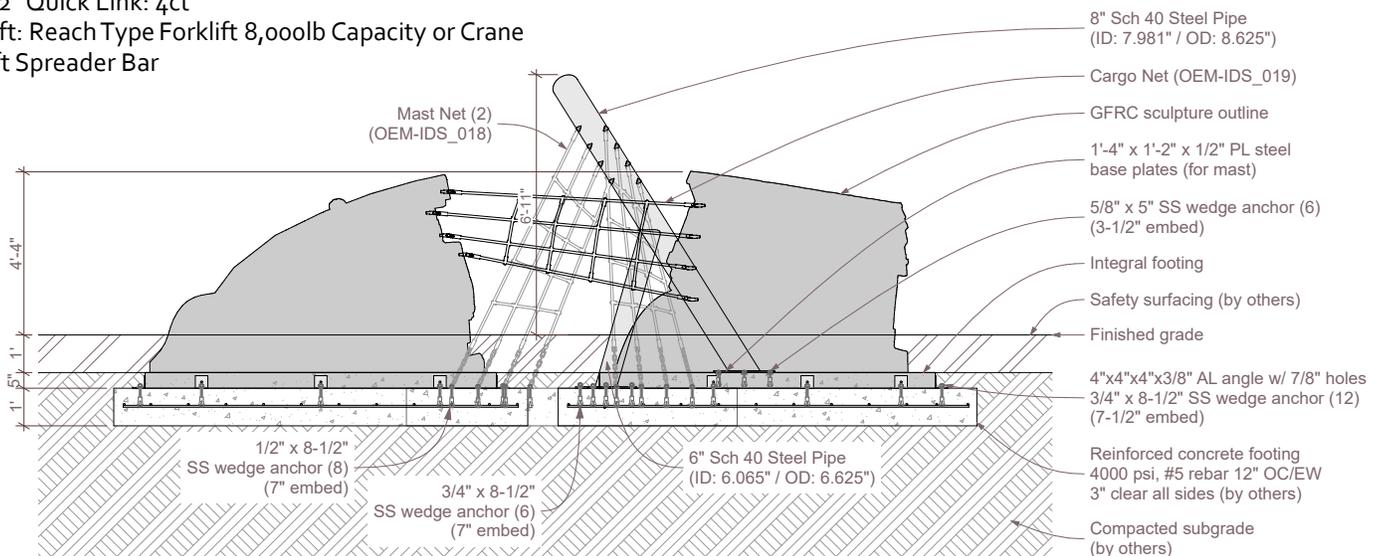
- Hammer Drill
- 3/4" x 10" Concrete Drill Bit
- 1/2" x 10" Concrete Drill Bit
- Air Compressor
- Hammer
- Grinder with Cutoff Wheel or Hack Saw
- 1-1/8" Wrench
- 3/4" Wrench
- 10' Lifting Straps: 4ct
- 12' Heavy Duty Ratchet Strap
- Large Adjustable Crescent Wrench
- 1/2" Quick Link: 4ct
- Lift: Reach Type Forklift 8,000lb Capacity or Crane
- 8ft 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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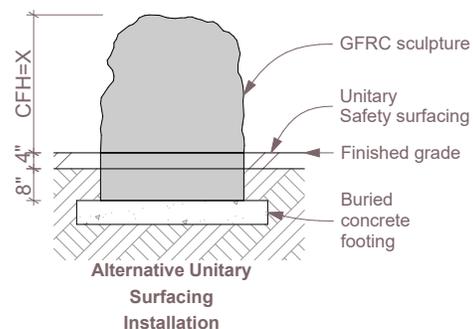
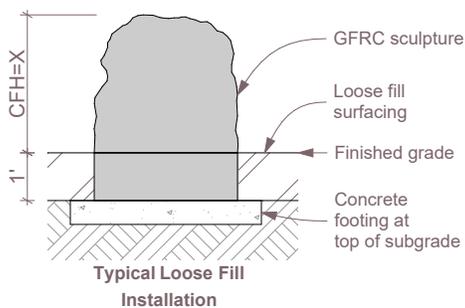
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PRE-INSTALL CHECKLIST

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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Sculpture Installation: Shipwreck Mid

1. Locate the footers 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 on P.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 sculpture 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 (6) and tighten.
8. Drill through the holes in the base plate of the Steel Mast and into the concrete slab with a 3/4" x 10" hammer drill bit to a minimum depth of 7", clean holes with compressed air and brush.
9. Install the stainless steel 3/4" x 8-1/2" wedge anchors (6) and tighten.

Sculpture Installation: Shipwreck Bow

10. Locate the footer based on the provided layout plan drawing.
11. 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.
12. Lift the sculpture using an appropriate reach forklift or crane taking care to equalize the load on straps (refer to pick diagram on P.6).
13. Set the sculpture in place on the footing, verify Cargo Net placement and all use zones as defined by ASTM 1487 before drilling anchor holes. Verify placement of the sculpture based on the Structural Layout drawing A.01.4 of the Bayfront Submittal Set.
14. Proceed with installation of Cargo Net next (steps on next page). The Shipwreck Bow sculpture can be adjusted slightly on the footing to ensure that the Cargo Net fits properly. Do not install the net taut. Some slack should always be present.
15. Once Cargo Net is properly installed and the layout and all use zones are verified as defined by ASTM 1487, remove the bolt hangers and replace the nut over mounting brackets.
16. 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.
17. Install the stainless steel 3/4" x 8-1/2" wedge anchors (6) and tighten.
18. Proceed with installation of the Mast Nets next.

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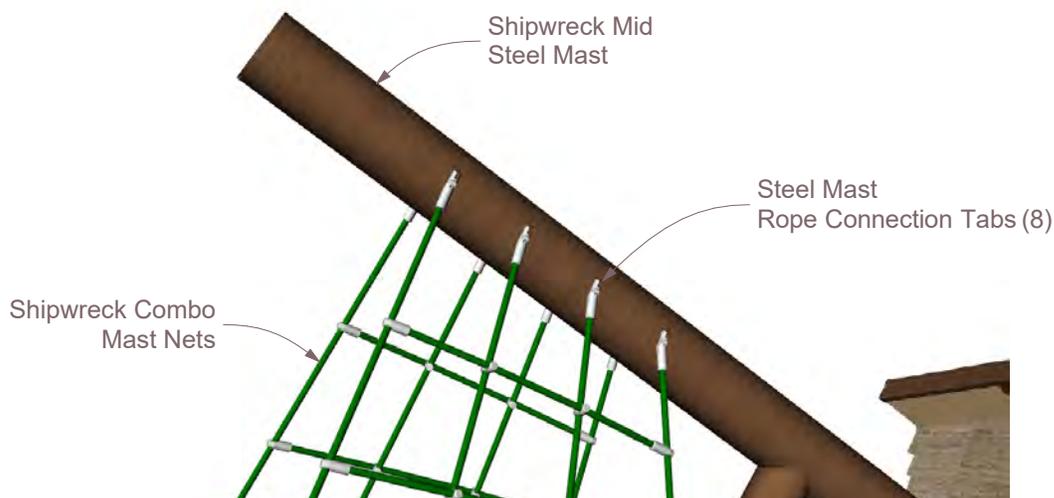
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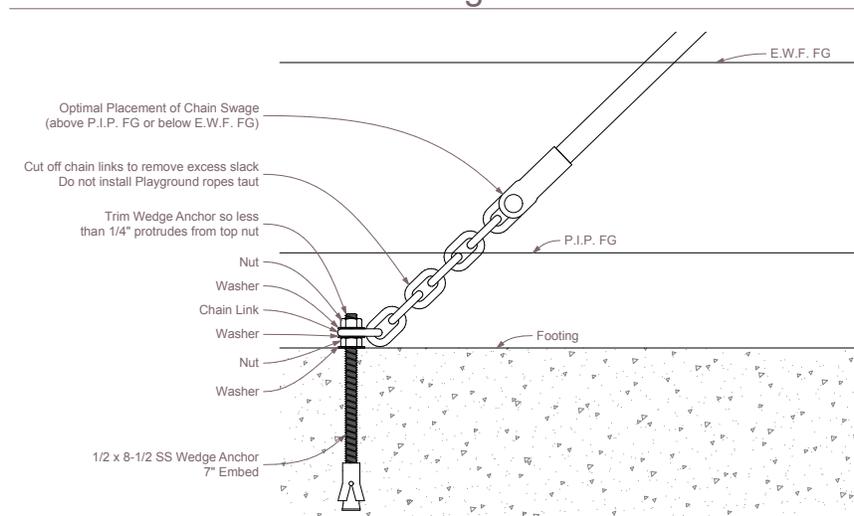
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Sculpture Ropes Installation:

19. Connect the Mast Net sculpture ropes to the steel rope connection tabs on the steel mast of the Shipwreck Mid sculpture using the provided connectors & connection pins (8). Refer to Mast Net Connection Diagram below.
20. Locate the chain connection points by pulling chain in line with the net and mark holes. Remove excess chain links as necessary.
21. Drill and clean holes (3) with a 1/2" hammer drill bit in the marked locations on the footing to a minimum depth of 7".
22. Secure the supplied 1/2" x 8-1/2" SS wedge anchors (8) leaving 1-1/2" of thread exposed above footing. See Net Chain to Footing Connection Detail below.
23. Connect chain to the wedge anchor following the detail below. Remove excess chain links as necessary using angle grinder with cutoff wheel or hack saw. Trim anchor stud flush with top of nut.
24. Install resilient surfacing material in accordance with layout guidelines, and ASTM standards.



Pick Diagram



Net Chain to Footing Connection Detail

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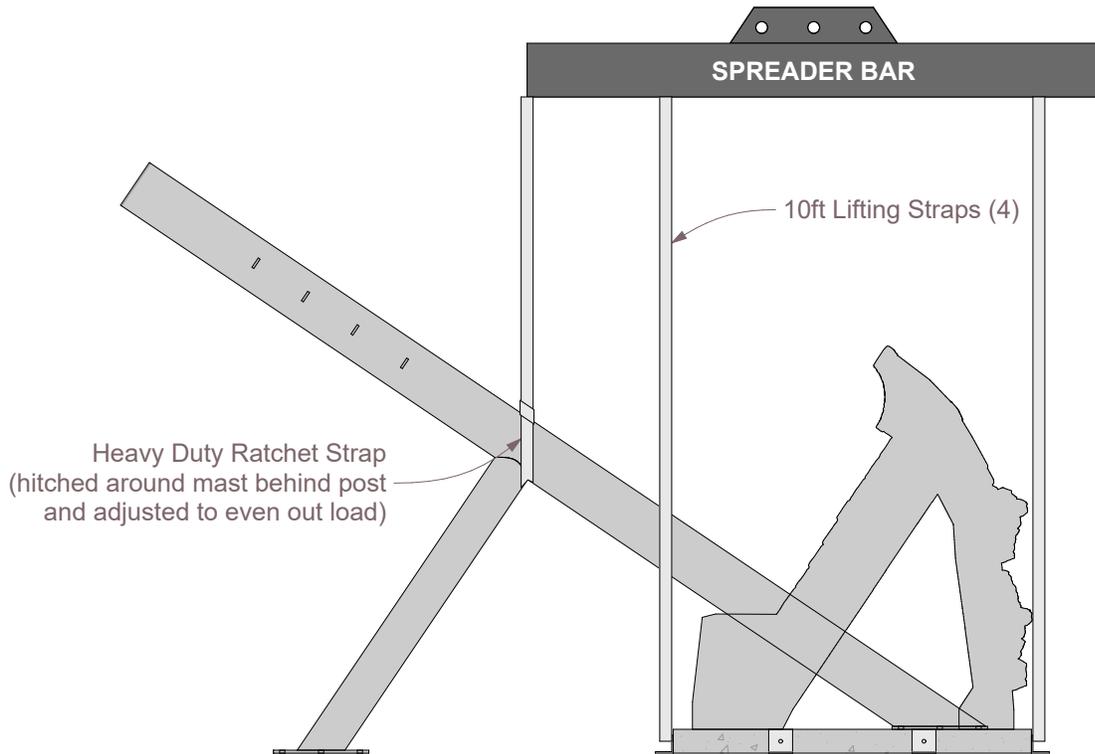
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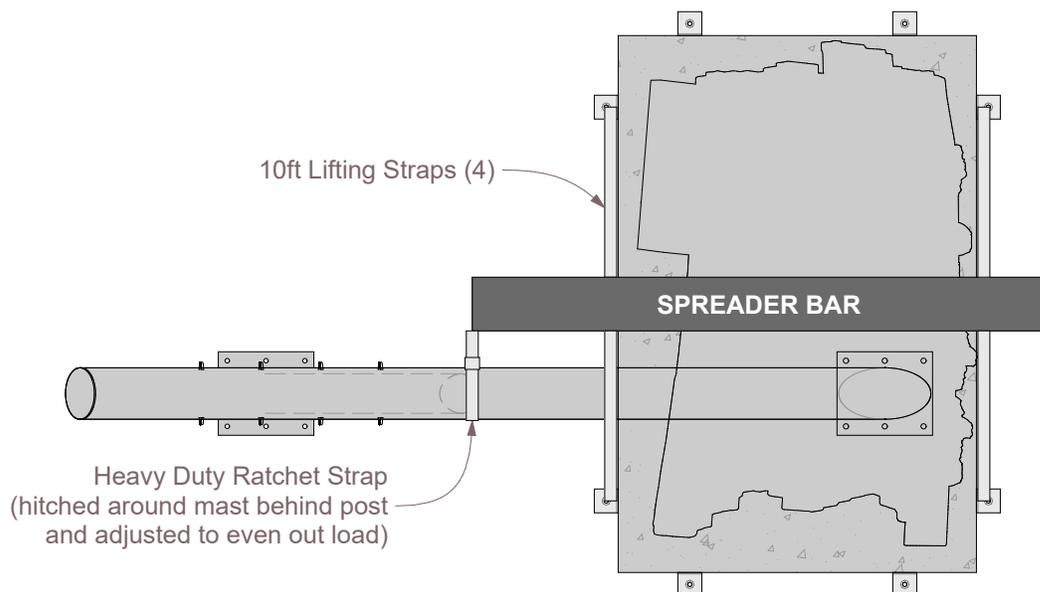
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Shipwreck Mid - Pick Diagram - Elevation



Shipwreck Mid - Pick Diagram - Plan

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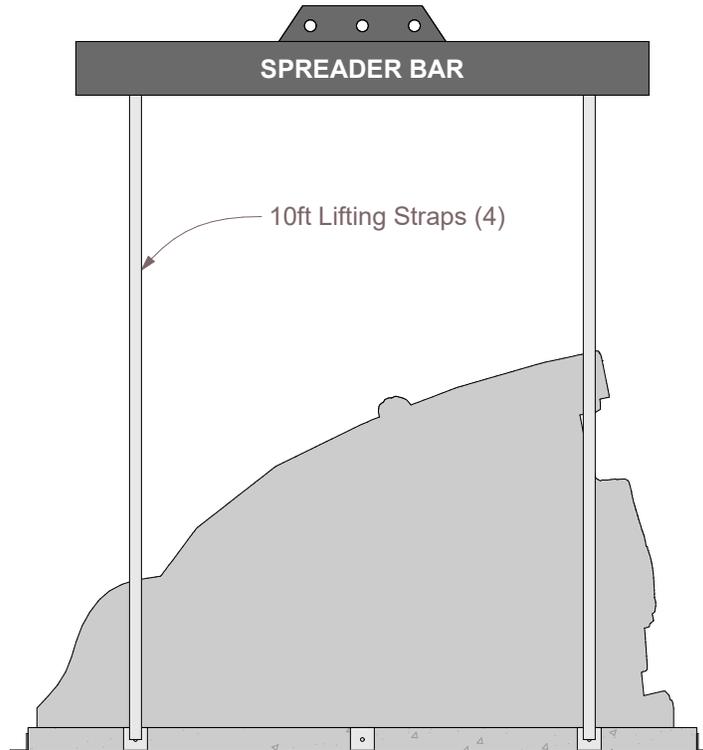
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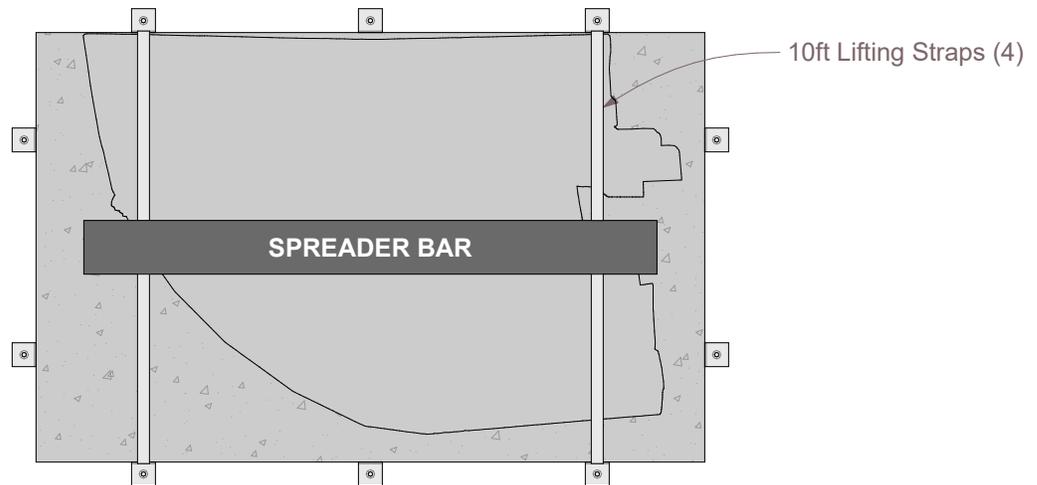
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Shipwreck Bow - Pick Diagram - Elevation



Shipwreck Bow - Pick Diagram - Plan