

Installation Instructions

Crow's Nest Climber

Part # SC101-2



ID SCULPTURE

PLAY. CLIMB. EXPLORE.

591 South Boulevard Street

Gunnison, Colorado 81230

info@idsculpture.com

970-641-1747

Specifications: Crow's Nest Climber

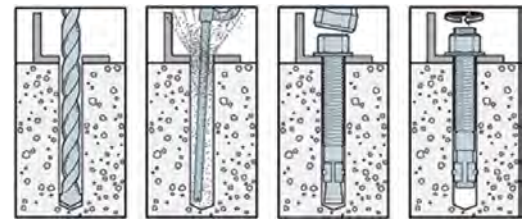
- Material: GFRG Concrete with Structural Foam, Steel, HDPE
- Approximate Uninstalled Size (Steel Crow's Nest): 7'-8" x 6'-8" x 18'-4"
- Approximate Uninstalled Size (Transition Bldr 8ft): 6'-0" x 4'-1" x 9'-0"
- Approximate Weight (Steel Crow's Nest): 2,500 Lbs
- Approximate Weight (Transition Bldr 8ft): 4,000 Lbs
- Maximum Fall Height: 8'-0" (assumes 12" of protective surfacing)
- Age Group: 5-12 Years Old

Required Parts (included):

- Crow's Nest Steel Climber
- Transition Boulder 8ft GFRG Sculpture
- "Crow's Nest Climber" Drawing Set
- Berma Rope Bridge and Hardware
- Big Cargo Net and Hardware
- T-40 Pin drive wrench Tamper-Resistant Torx L-Key with Standard Tip
- 5/8 x 8-1/2" SS Wedge Anchor: 28ct
- 1/2" x 8-1/2" SS Wedge Anchor: 4ct
- 4" x 4" x 4" x 3/8" Aluminum Angle Brackets: 4ct
- Playcraft 8ft Twister Slide, Supports, and Hardware
- Playcraft 8ft Spiral Twister Slide, Supports, and Hardware
- Playcraft OEM Slide Install Instructions
- HDPE Pirate Flag
- 1/4"-20 x 3/4" SS Binding Barrel: 3ct (Flag Hardware)
- 1/4"-20 x 3/4" SS Tamper-Resistant Button Head Torx Screw: 3ct (Flag Hardware)
- 11/32" SS Washer (0.391 ID, 0.750 OD): 6ct (Flag Hardware)
- Playground Telescope and Mounting Hardware (Optional)

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

Recommended Equipment (not included):

- Hammer Drill
- 5/8" x 10" Concrete Drill Bit
- 1/2" x 10" Concrete Drill Bit
- Air Compressor with Blow Tube
- Hole Brush
- 15/16" Wrench
- 3/4" Wrench
- Hex Key Set
- Red Loctite or Threadlocker Fluid
- 8' Lifting Straps: 4ct
- 12' Lifting Straps: 4ct
- 12' Ratchet Strap
- Large Adjustable Crescent Wrench
- Lift: Reach Type Forklift 5,000lb Capacity, Skid Steer or Crane

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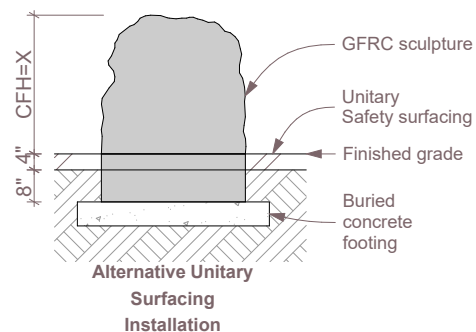
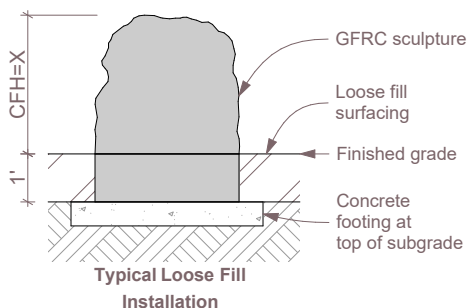


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PRE-INSTALL CHECKLIST

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.

Installation Instructions

Crow's Nest Climber

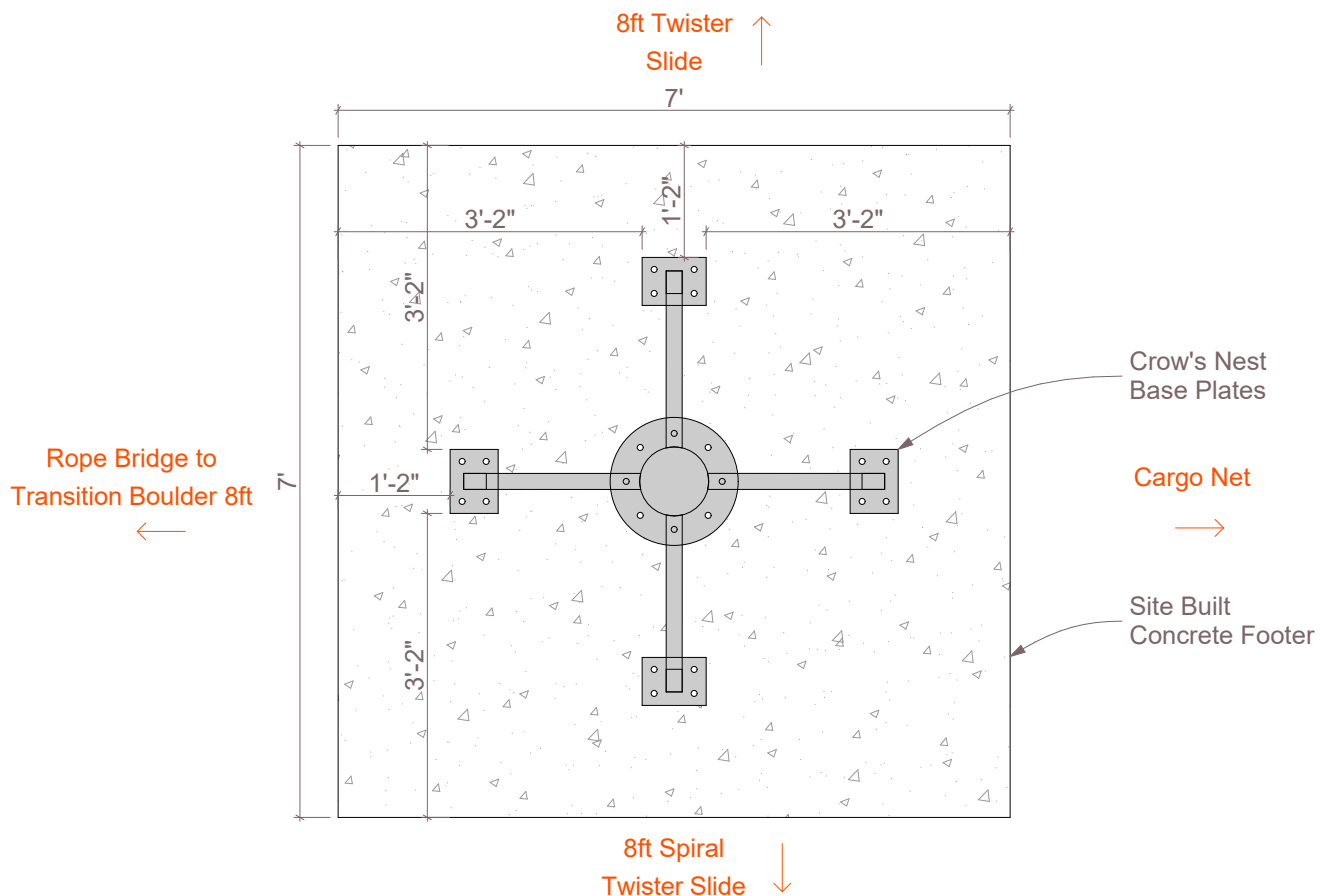
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Sculpture Installation: Crow's Nest Climber

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1. Locate the footers based on the provided layout plan drawing.
2. Secure 8ft lifting straps (2) to the upper portion of the Crow's Nest steel post by girth hitching each strap to the main post of the Crow's Nest (refer to the pick diagram on P.8).
3. Lift the sculpture using an appropriate reach forklift or crane taking care to equalize the load on straps.
4. Set the sculpture in place on the footing in the correct orientation based on Crow's Nest Climber cut sheet page A.01.2. Verify all use zones as defined by ASTM 1487 before drilling anchor holes (refer to Footing Base Plate Diagram below for sculpture orientation).
5. Drill through the holes in the mounting brackets and into the concrete slab with a $5/8"$ x 10" hammer drill bit to a minimum depth of 7", clean holes with compressed air and brush.
6. Install the stainless steel $5/8"$ x 8-1/2" wedge anchors (24) and tighten.
7. Continue to Transition Boulder 8ft installation next.



Footing Base Plate Diagram

Installation Instructions

Crow's Nest Climber

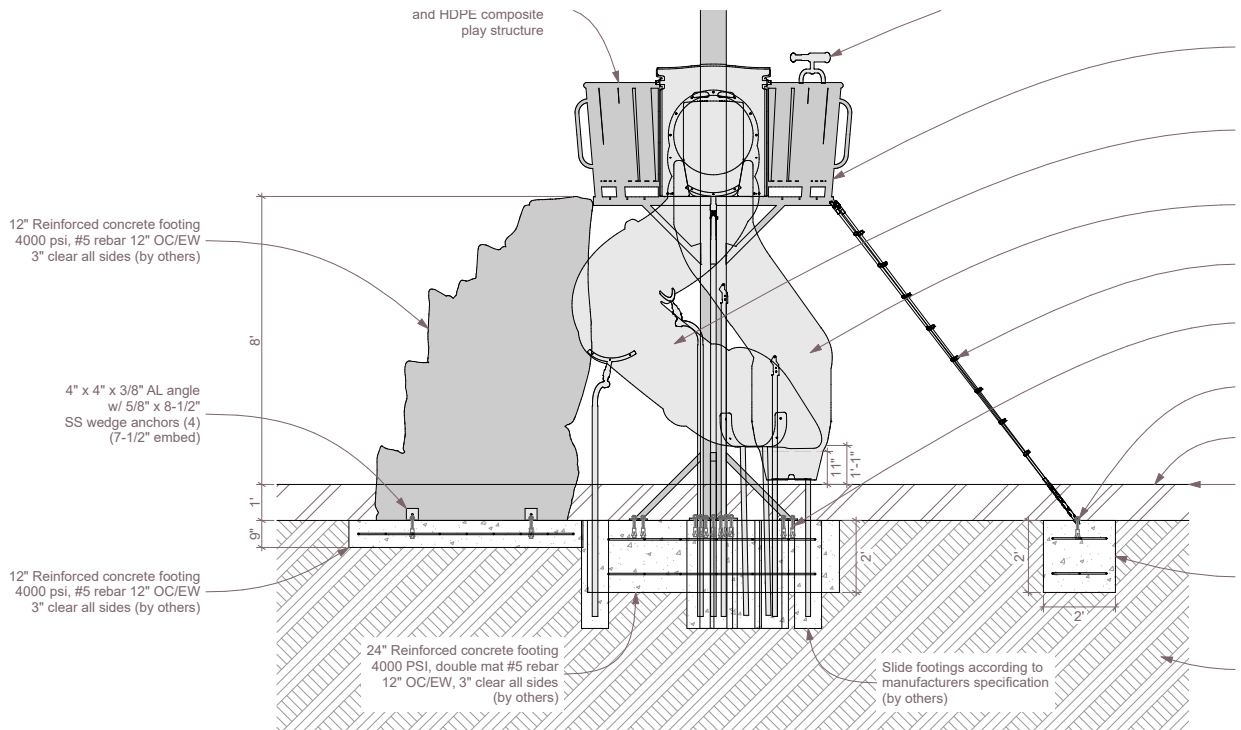
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Sculpture Installation: Transition Boulder 8ft

8. Locate the footer based on the provided layout plan drawing.
9. 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.
10. Lift the sculpture using an appropriate reach forklift or crane taking care to equalize the load on straps (refer to pick diagram on P.8)
11. Set the sculpture in place on the footing, verify all use zones as defined by ASTM 1487 before drilling anchor holes.
12. Remove the bolt hangers and replace the nut over mounting brackets.
13. Set the sculpture in place on the footing in the correct orientation based on Crow's Nest Climber cut sheet page A.01.2. Verify all use zones as defined by ASTM 1487 before drilling anchor holes.
14. Drill through the holes in the mounting brackets and into the concrete slab with a 5/8" x 10" hammer drill bit to a minimum depth of 7", clean holes with compressed air and brush.
15. Install the stainless steel 5/8" x 8-1/2" wedge anchors (4) and tighten.
16. Continue to slide and rope installation next.



Cargo Access

Installation Instructions

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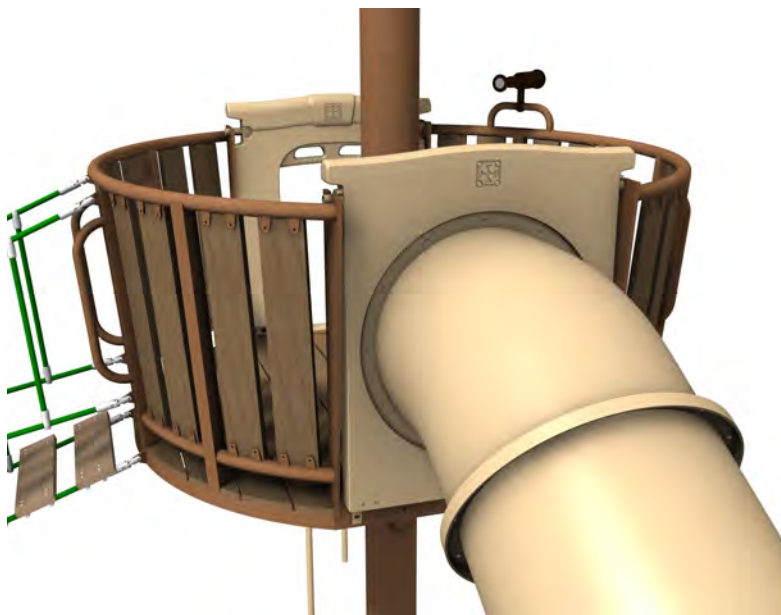
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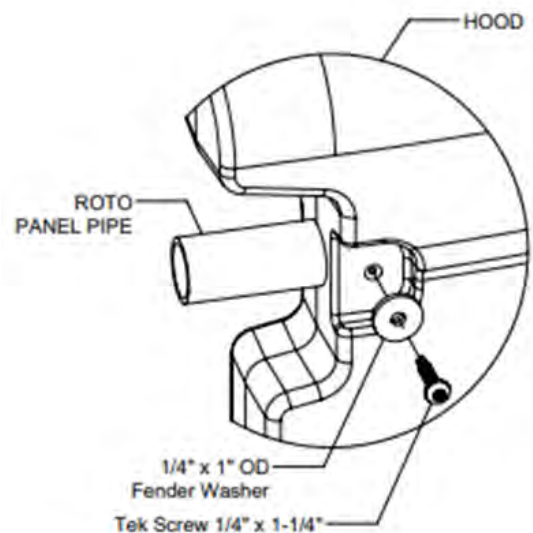
Slide Installation:

17. Refer to provided OEM slide installation instructions for construction of required footers.

18. Each slide entry hood panel includes connection pipes at each end of hood (see diagram below). The slide hood and pipes are to be placed in the notches in the steel panels of the Crow's Nest structure and then thru-bolted to the frame at the bottom of the panel. Once slide entry hood panel is installed, continue with the rest of the slide assembly as per the OEM slide installation instructions.



Installed Slide Panels



Slide Hood Connection Pipe

Installation Instructions

Crow's Nest Climber

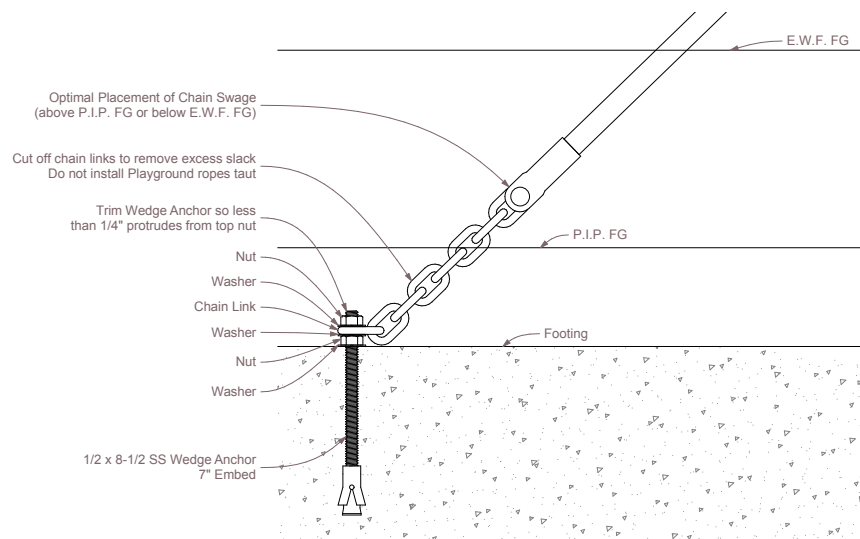
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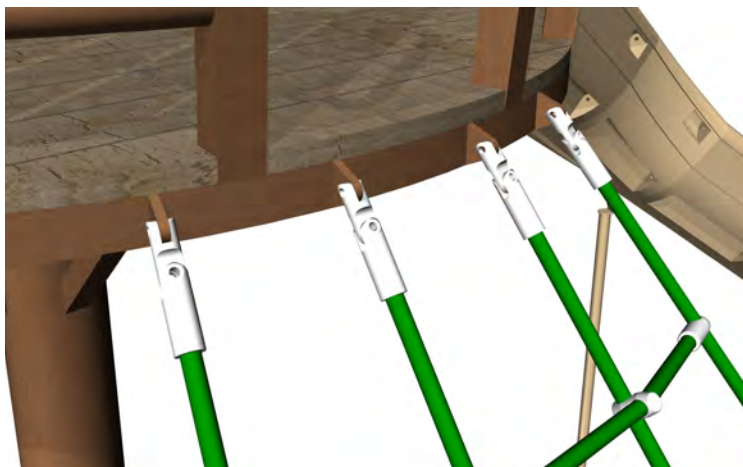
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Sculpture Ropes Installation:

19. Connect Ramp Net to Crow's Nest with provided Igloo rope connectors & connection pins.
20. Locate the chain connection points by pulling chain in line with the net and mark holes. Remove excess chain links as necessary. Verify all use zones as defined by ASTM 1487. (***) Never install any rope component taut, some slack should always be present).
21. Drill and clean holes with a 1/2" hammer drill bit in the marked locations on the footer to a minimum depth of 7".
22. Secure the supplied 1/2" x 8-1/2" SS wedge anchors (4) leaving 1-1/2" of thread exposed above footing.
23. Connect chain to the wedge anchor following the detail below. Remove excess chain link as necessary using angle grinder. Trim anchor stud flush with top of nut.



Cargo Net Chain to Footing Connection Detail



Cargo Net Connection Tabs

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HDPE Flag Installation:

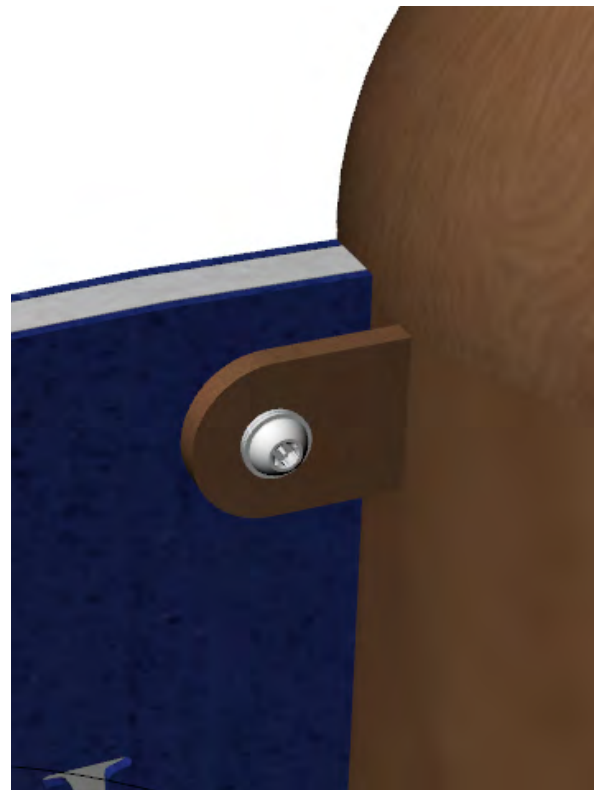
24. Install the HDPE Flag to the flag connection tabs at the top of the Crow's Nest (see reference below) mast using the provided 14"-20 SS button head binding barrel hex bolts (3) and tighten.

Optional Playground Telescope Installation:

25. Install the optional playground telescope to the mounting bar on the top railing of the Crow's Nest (see reference below) using the provided clamp hardware.



Playground Telescope and Mounting Bar



Flag Connection Tabs

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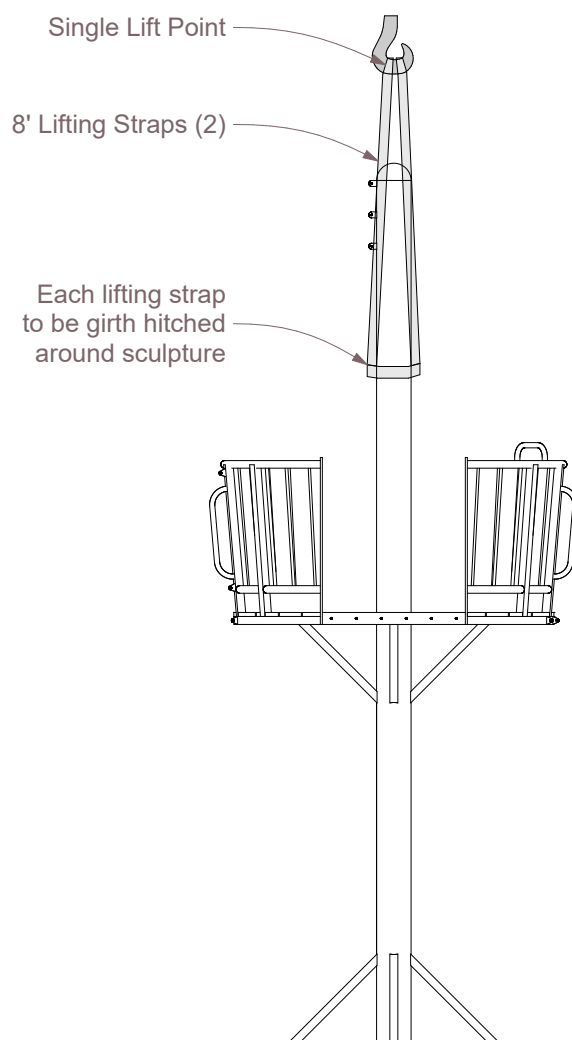
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Crow's Nest - Pick Diagram

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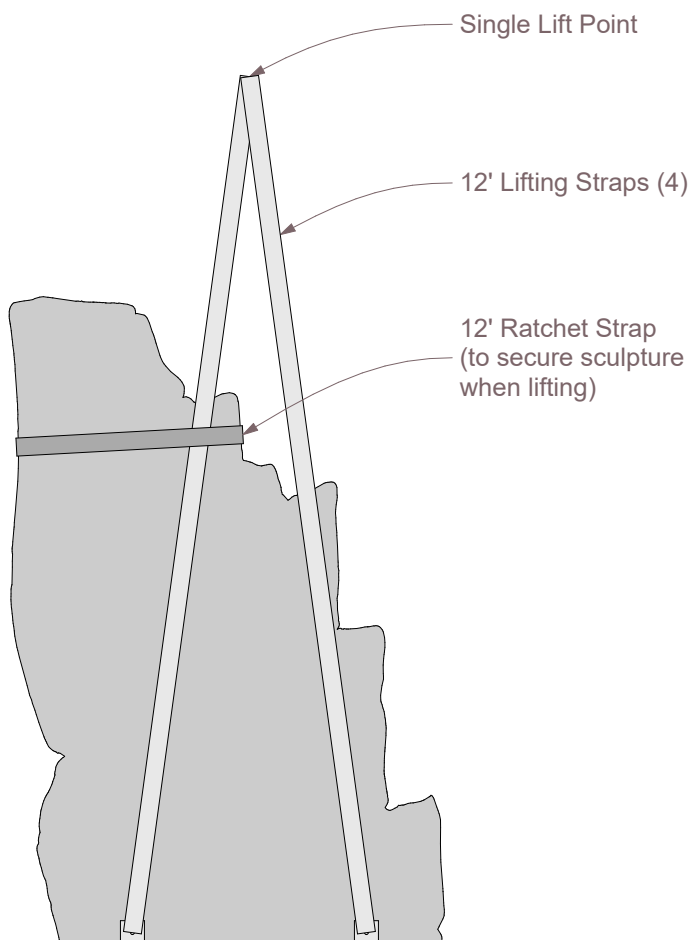
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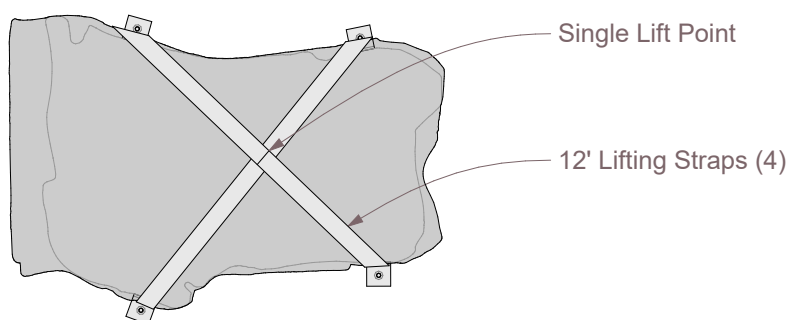
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Transition Boulder 8ft - Pick Diagram - Elevation



Transition Boulder 8ft - Pick Diagram - Plan