

Installation Instructions

Sea Turtle Mound

Part # LF024



ID SCULPTURE

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591 South Boulevard Street
Gunnison, Colorado 81230
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970-641-1747

Specifications: Sea Turtle Mound

- Material: Polyurea on Structural Foam, Concrete with Structural Foam
- Approximate Uninstalled Size (Turtle Shell Landform): 14'-0" x 12'-0" x 3'-1"
- Approximate Uninstalled Size (Sea Turtle Head): 7'-3" x 7'-0" x 3'-2"
- Approximate Weight (Turtle Shell Landform): 350 Lbs
- Approximate Weight (Sea Turtle Head): 4,800 Lbs
- Maximum Fall Height: 3'-2" (assumes 3" of protective surfacing)
- Age Group: 2-5 Years Old

Required Parts (included):

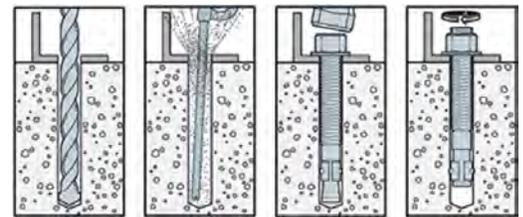
- Turtle Shell Landform Sculpture
- Sea Turtle Head GFRC Sculpture
- Simpson Set XP Epoxy Tube and Tip
- Great Stuff Can Foam: 1ct
- 1/2"-13 Zinc Threaded Rod
- 6"x6"x1/2" PL Steel Bearing Plate: 1ct
- 1/2"-13 Zinc Nut: 5ct
- 1/2"-13 Zinc Coupling Nut: 1ct
- 1/2" Zinc Washer: 1ct
- Bolt Hangers (Lifting Eyes): 4ct
- "Sea Turtle Mound" Drawing Set

Recommended Equipment (not included):

- 18" DIA auger (or Post Hole Digger)
- .2 CUYDS of Concrete (9 - 80lb Bags) for concrete pier
- Concrete Mixer
- Hammer Drill
- 5/8" x 10" Concrete Drill Bit
- Air Compressor with Blow Tube
- Hole Brush
- Caulk Gun
- Hack Saw or Angle Grinder with Cut-Off Wheel
- Hand Saw or Foam Saw
- 3/4" Wrench
- 8' Lifting Straps: 4ct
- Lift: Reach Type Forklift or Skid Steer 5,000 lb Capacity
- 1/2" Quick LInks: 4ct
- Wrench Set / Socket Set

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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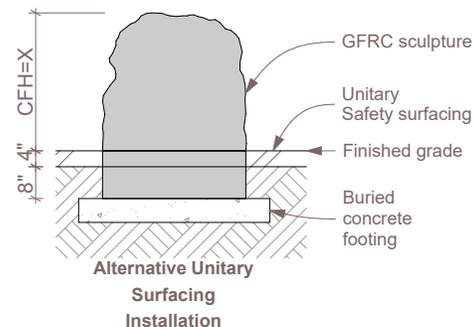
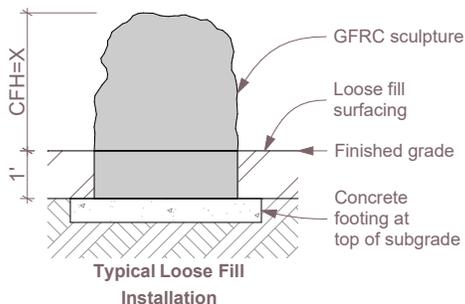
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PRE-INSTALL CHECKLIST

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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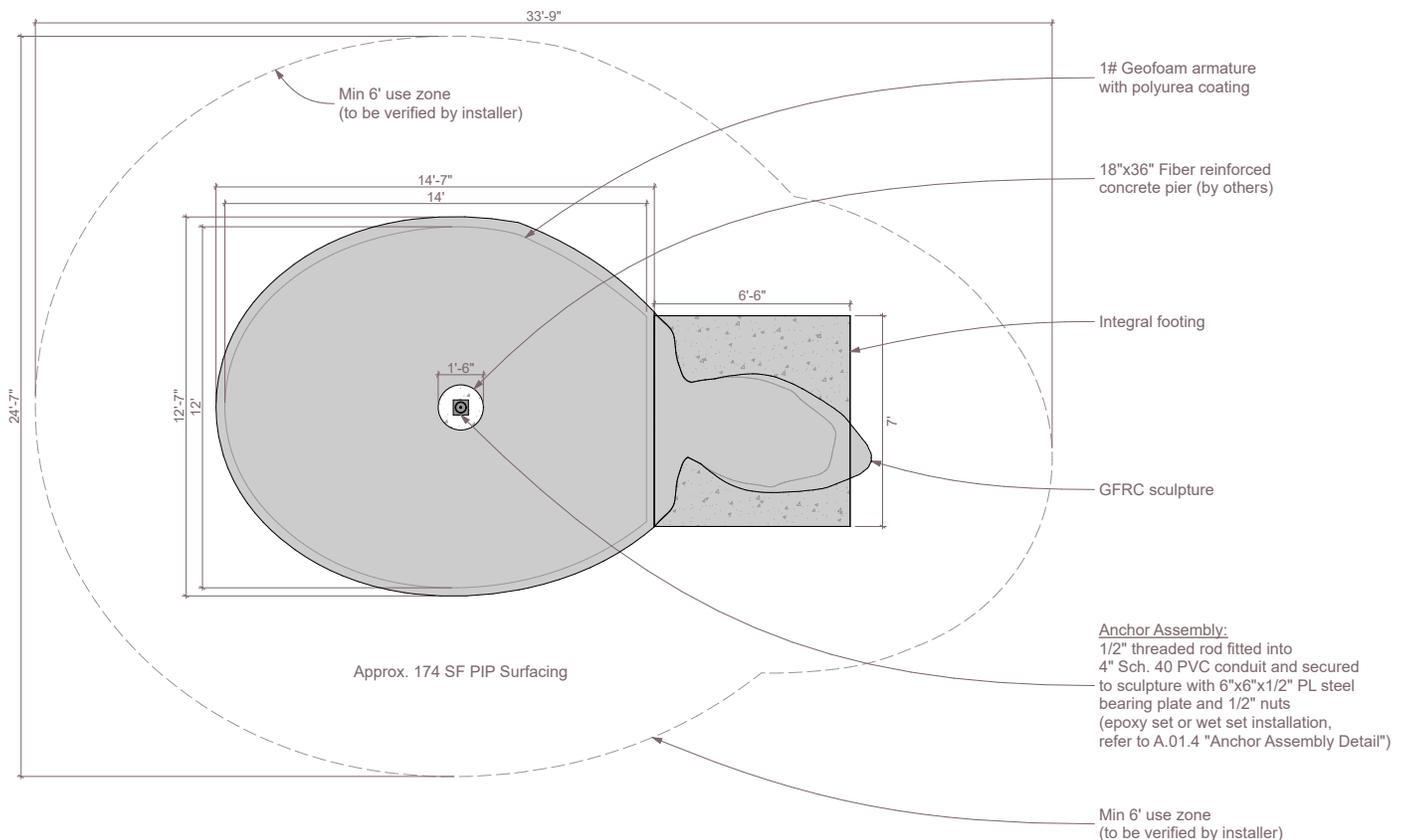
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Sculpture Installation: Sea Turtle Head

1. Excavate the site below the top of subgrade as per the provided layout drawings.
2. Compact the subgrade beneath the sculpture, level using sand as necessary.
3. Make sure that the bolt hanger / lifting eyes are securely attached to the bolts protruding from the sides of the integral footing. Secure the 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 sculpture in place and verify layout and all use zones as required by ASTM 1487.
6. Remove bolt hangers.
7. Backfill so the subgrade is level with the top of the integral footing and compact as necessary.
8. Continue with Sea Turtle Shell landform install next.



Plan

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Landform Installation: Sea Turtle Shell

1. Locate the concrete pier based on the provided layout drawing. Please refer to ASTM 1487 for layout guidelines.
2. Dig hole for the concrete pier into the compacted subgrade with an 18" diameter auger (or posthole digger) to a depth of 36".
3. Fill hole with concrete. The provided landform anchor can either be wet set into the concrete piers immediately after the hole is filled, or the concrete pier can be allowed to cure and later drilled into for an epoxy set anchor. Allow for concrete to cure for a minimum of 24 hours before installing landform. The wet set anchor assembly differs slightly from the epoxy set assembly. Please refer to the last pages of the install for anchor assembly details.
4. For epoxy setting the anchor, drill into the center of the concrete piers with a 5/8" x 24" hammer drill bit to a depth of 18" (9" min), clean hole with compressed air and brush.
5. Fill hole with provided Simpson Set XP epoxy, and place the threaded rod anchor assembly into the epoxy filled hole. Allow a minimum of 24 hours of cure time before securing backing plate to threaded rod.
6. For wet setting the anchor, place the wet set anchor assembly into the freshly poured concrete pier. The nut and coupling nut on the wet set anchor assembly should sit on top of the concrete pier. Be sure that half of the coupling nut threads remain showing in order to secure the additional threaded rod to the coupling nut. This additional threaded rod will be used to secure the bearing plate. Please refer to the last pages of the install for anchor assembly details. Allow for concrete to cure for a minimum of 24 hours before installing landform
7. Fill drainage base over compacted subgrade to be level to the top of the concrete pier as per the provided layout drawing. Level drainage base layer with rake and shovel.
8. Once footer and anchors have cured for at least 24 hours, lift and place the landform over the concrete piers, being sure to align the pier anchors with the PVC conduit that is integrated into the landform.
9. Insert the provided threaded rod into the PVC conduit. Secure and tighten threaded rod to the coupling nut attached to the concrete pier.
10. Place the provided 6"x6"x1/2" steel bearing plate over the threaded rod anchor, then tighten and secure plate to threaded rod anchor using the provided 1/2" nuts.
11. The threaded rod may slightly protrude above the surface of the landform. Trim the threaded rod using a hack saw or angle grinder with cut-off wheel so that top of threaded rod sits flush or slightly below the opening of the anchor cavity.
12. Fill anchor cavity above the bearing plate with the provided Great Stuff can foam. Allow foam to cure and harden. Once the foam is set, use a foam saw or a hand saw to cut the foam flush with the surface of the landform module.
13. Install resilient surfacing material in accordance with layout guidelines, and ASTM standards.

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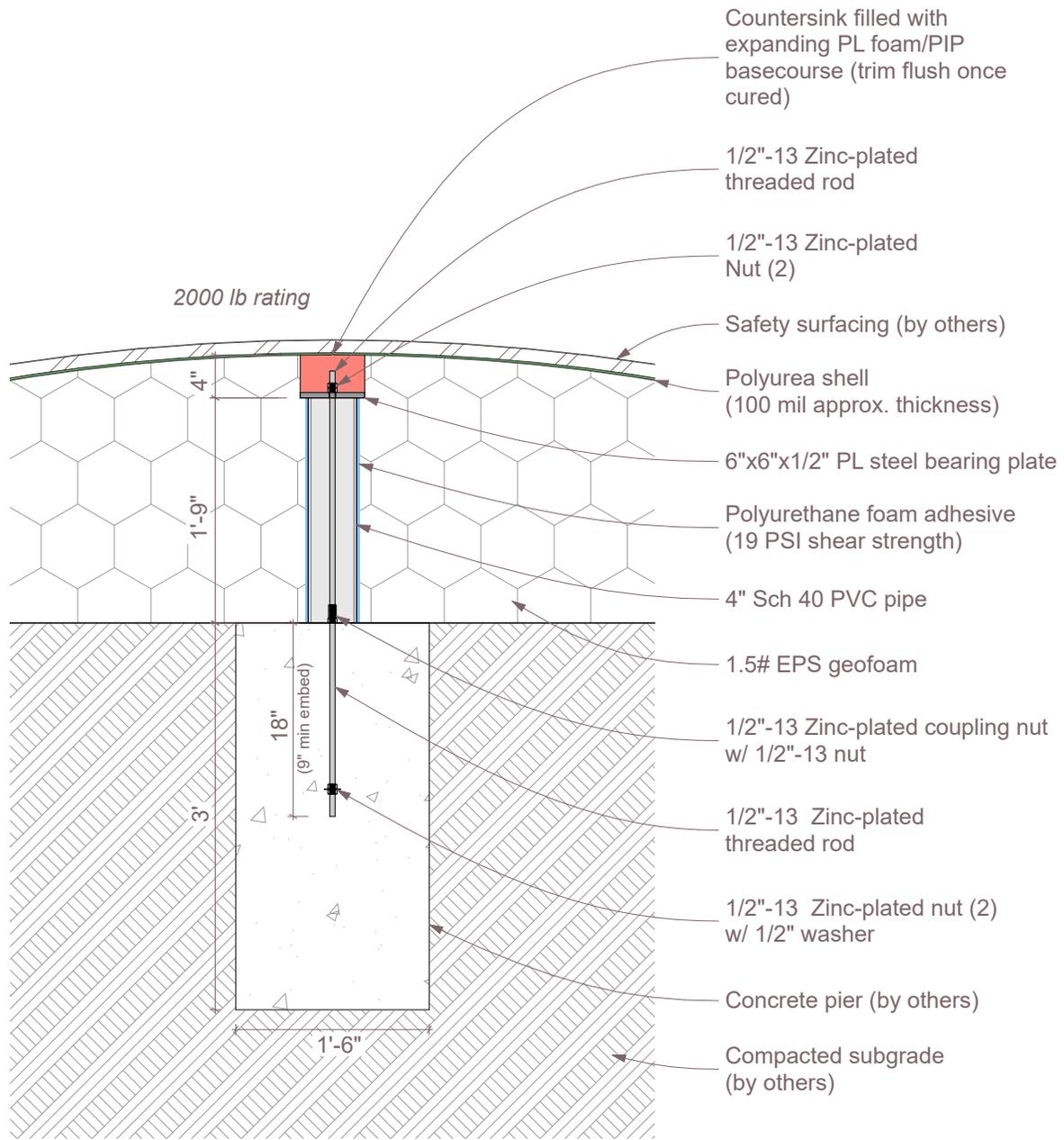
Part # LFO24



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"Wet Set" Anchor Assembly - Detail

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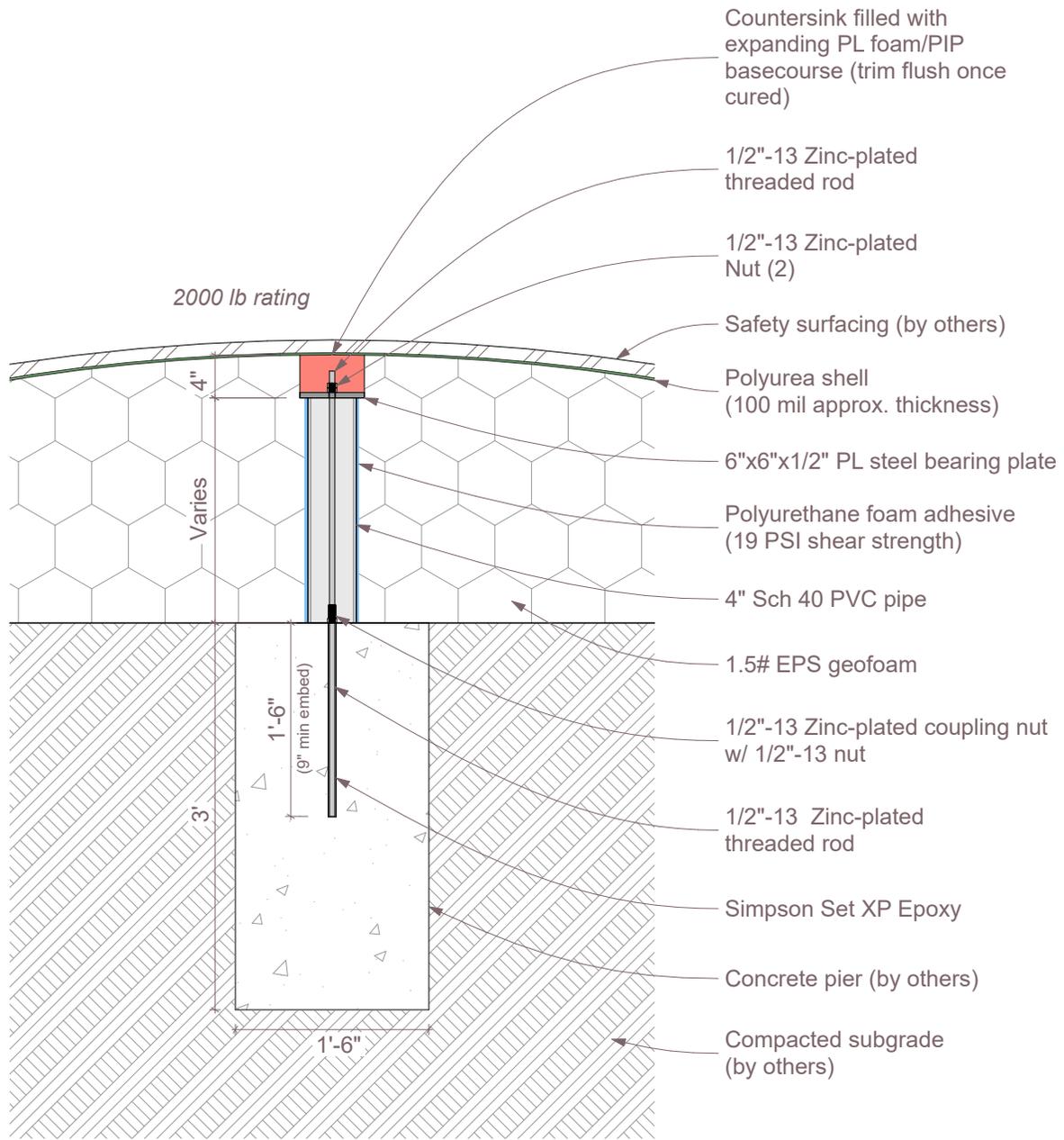
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"Epoxy Set" Anchor Assembly - Detail

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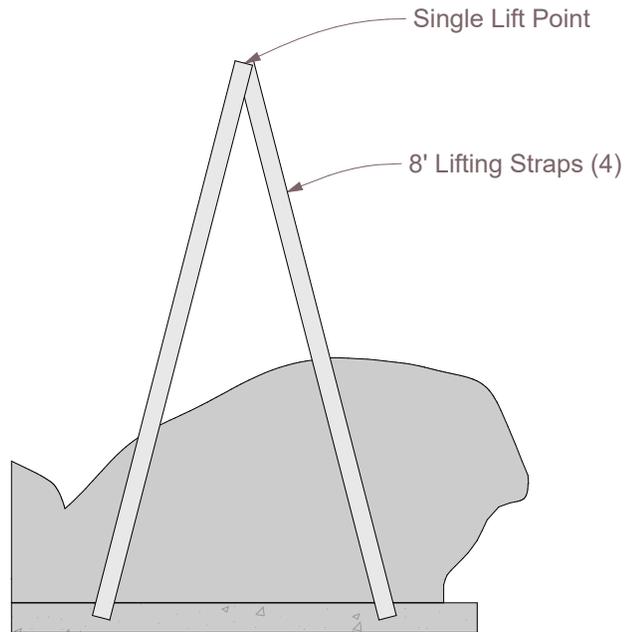
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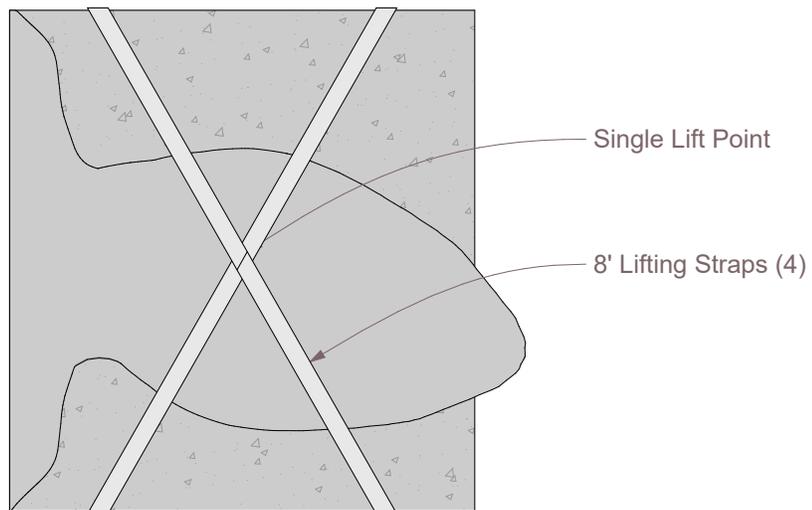
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Sea Turtle Head - Pick Diagram - Elevation



Sea Turtle Head - Pick Diagram - Plan