

Installation Instructions

12ft Modular Embankment Slide

Part # MESo12



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

Specifications: 12ft Modular Embankment Slide

- Material: GFRP Concrete
- Approximate Uninstalled Size (Entry): 3'-7" x 3'-2" x 1'-6"
- Approximate Uninstalled Size (Bed): 2'-0" x 2'-6" x 3'-3"
- Approximate Uninstalled Size (Exit): 3'-11" x 2'-6" x 3'-0"
- Approximate Weight (Entry): 625 Lbs
- Approximate Weight (Bed): 425 Lbs
- Approximate Weight (Exit): 1,500 Lbs
- Minimum Fall Height: 120" (assumes 12" of protective surfacing)
- Age Group: 2-5 Years Old

Required Parts (included):

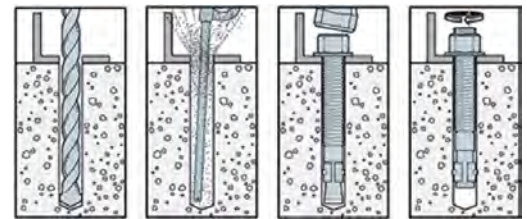
- Slide Entry Module
- Slide Bed Module: 10ct
- Slide Exit Module
- Steel Entry Hoop
- 1/2"-13 x 1" SS Button Head Security Screws: 4ct
- 1/2" SS Washers: 95ct
- 1/2"-13 x 1-1/2" SS Hex Bolts: 91ct
- Security Hex Key
- 5/8"-11 x 2" SS Hex Bolts: 6ct
- 5/8" SS Washer: 6ct
- 3" x 3" x 12" x 1/4" / 4"x6"x1/2" Steel Slide Mounting Brackets: 22ct
- 4" x 4" x 4" x 3/8" Aluminum Angle Footing Mounting Brackets: 6ct
- 3/4 x 8-1/2" SS Wedge Anchor: 6ct
- 18" Penetrator (PE18) Earth Anchor: 24ct
- Bolt Hanger (lifting eye) : 46ct
- Sikaflex 221 Adhesive / Sealant
- "12ft Modular Embankment Slide" Drawing Set

Recommended Equipment (not included):

- Hammer Drill
- 3/4 x 10" Concrete Drill Bit
- 5/8 x 6" Concrete Drill Bit
- Air Compressor with Blow Tube
- Hole Brush
- 1-1/8" Wrench
- 15/16" Wrench
- Impact Driver with 1" (26mm) Socket
- Caulk Gun
- 6' Lifting Straps: 4ct
- 4' Lifting Straps: 2ct
- 1/2" Quick Links: 4ct
- Large Adjustable Crescent Wrench
- Lift: Reach Type Forklift 2,000lb 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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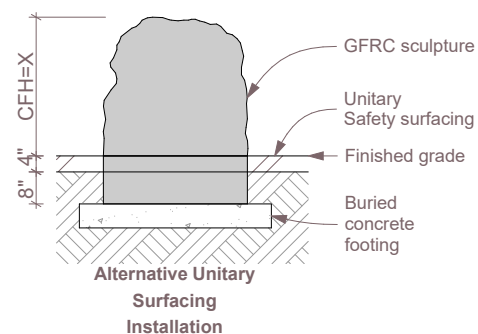
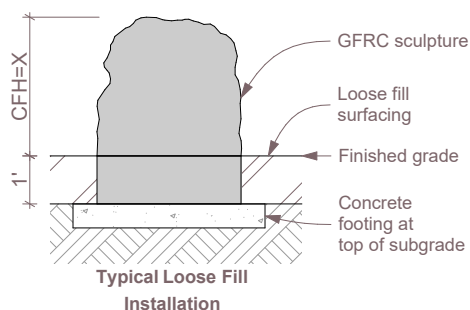


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PRE-INSTALL CHECKLIST

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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Sculpture Installation:

1. Locate the footer based on the provided layout plan drawing.
2. Compact the subgrade beneath the sculpture, level using sand as necessary. The grade of the embankment should be set at a 30° slope to match the slope of the slide.
3. Make sure that the bolt hanger / lifting eyes are securely attached to the bolts protruding from the base of each slide module. Secure the lifting straps to bolt hangers using 1/2" quick links.
4. Lift each slide module using an appropriate reach forklift, taking care to equalize the load on straps. Refer to the pick diagrams in the last pages of the installation instructions.
5. Start with setting the slide exit module in place on the footing, verify all use zones as defined by ASTM 1487 before drilling anchor holes.
6. Remove the bolt hangers / lifting eyes to the footing mounting brackets located on the slide exit module and replace nut.
7. Drill through the holes in the footing mounting brackets of the slide exit module 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.
8. Install the stainless steel 3/4" x 8-1/2" wedge anchors to the footing mounting brackets of the slide exit module and tighten.
9. Next, apply the provided Sikaflex 221 adhesive / sealant to the parting face of the slide exit module where the slide bed module interfaces when connected. Refer to the Slide Module Adhesive - Location Diagram on the next page for where to apply the adhesive.
10. Set the slide bed module in place adjacent to the slide exit module. Level and align the modules together using sand as necessary.
11. Remove the bolt hangers / lifting eyes to each module as they are set in place and before continuing on to placing the next slide module. Install the 3"x3"x12"x1/4" slide mounting brackets with the 4"x6"x1/2" steel anchor plate to the base of each module where the preinstalled 1/2" SS coupling nuts are located on the sides of the modules, using the provided 1/2"-13 x 1-1/2" SS hex bolts and 1/2" SS washers. These brackets are used for securing each module together as well as for anchoring each module to the ground.
12. Once the slide exit and slide bed modules are placed and leveled, continue with setting the slide entry module in place. Before placing the slide entry module, lift the entry module slightly in order to install the provided 4"x50"x 1/2" steel flat bar into the bottom face of the entry pad using the provided 1/2"-13 x 1-1/2" SS hex bolts and 1/2" SS washers. Repeat step 9 for applying sealant onto the parting faces between the slide bed module and the slide entry module. Repeat steps 11 for securing the slide entry module to the last slide bed module. Level and align the modules together using sand as necessary. Verify all use zones as defined by ASTM 1487.
13. Install the Penetrator PE18 earth anchors to the slide mounting brackets of the slide bed and slide entry modules using an impact driver and a 1" (26mm) socket and tighten.
14. Place slide entry hoop onto the slide entry module as per the Slide Sit Down Bar - Location Diagram on the next page. Mark and drill holes with a 5/8"x6" concrete drill bit to a depth of 2" to ensure that the drop-in anchor sits flush with the top of concrete. Clean holes with compressed air and brush. Install the provided 1/2"-13 SS drop-in anchors, put slide entry hoop in place, secure the 1/2"-13 x 1" SS button head security screws and 1/2" SS washers, and tighten.
15. Install resilient surfacing material in accordance with layout guidelines, and ASTM standards.

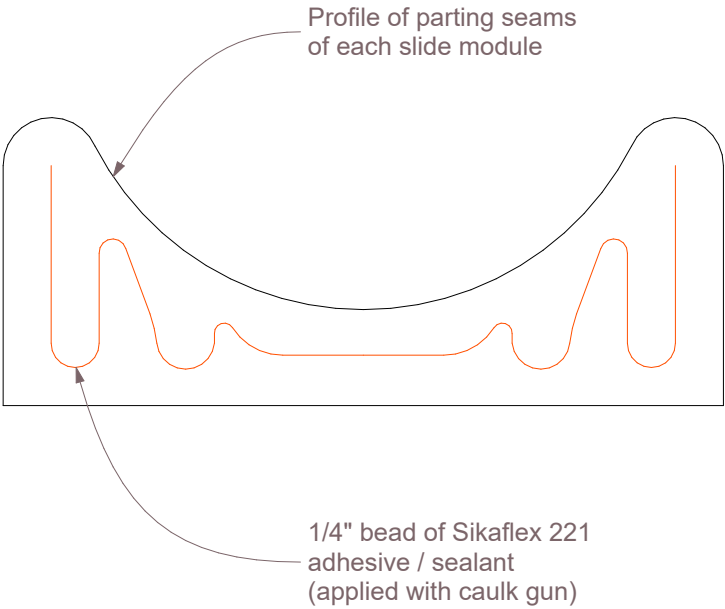
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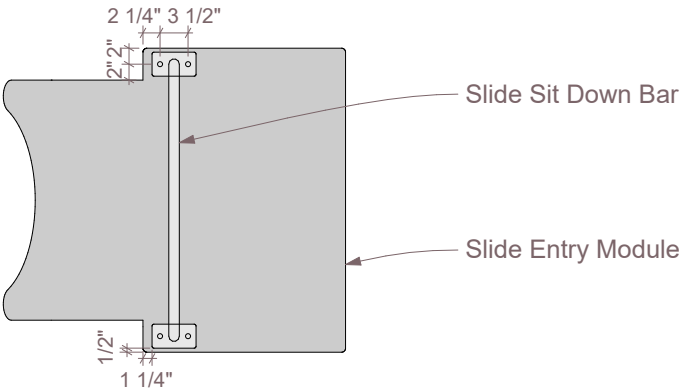
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Slide Module Adhesive - Location Diagram



Slide Sit Down Bar - Location Diagram

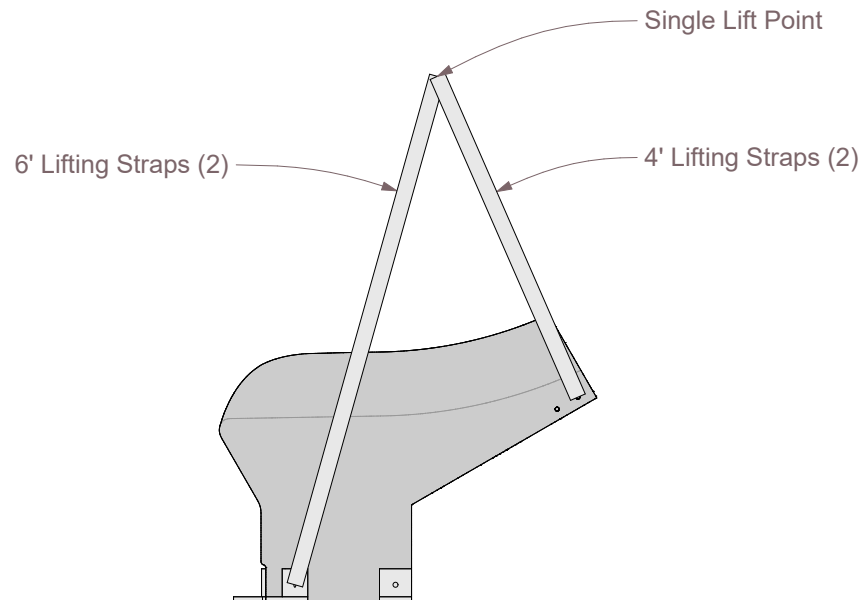
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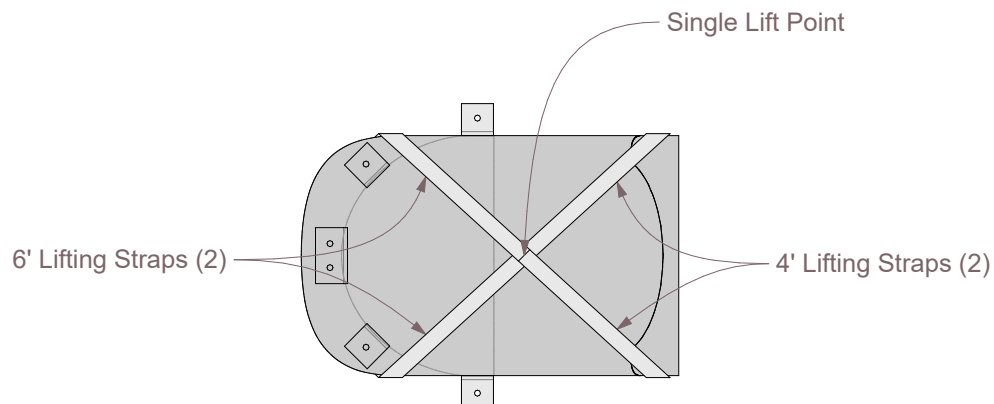
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Slide Exit Module - Pick Diagram - Elevation



Slide Exit Module - Pick Diagram - Plan

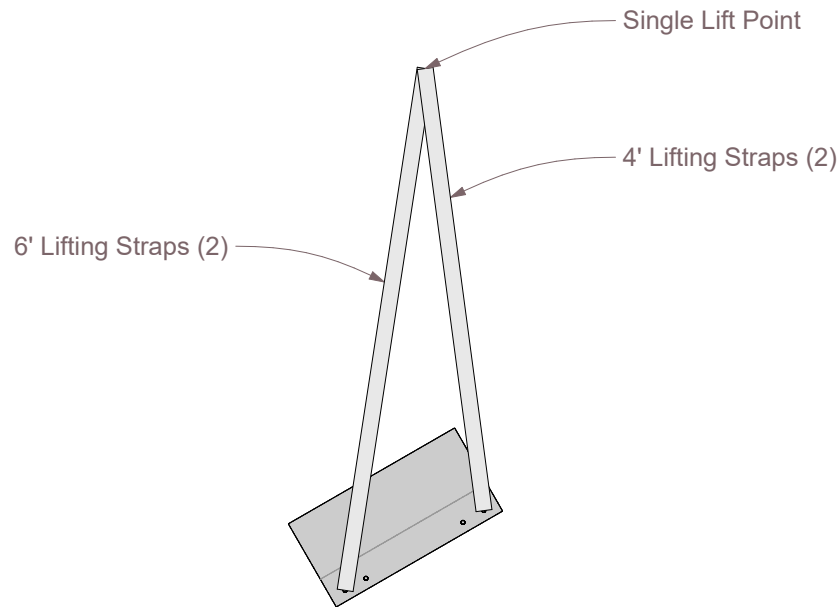
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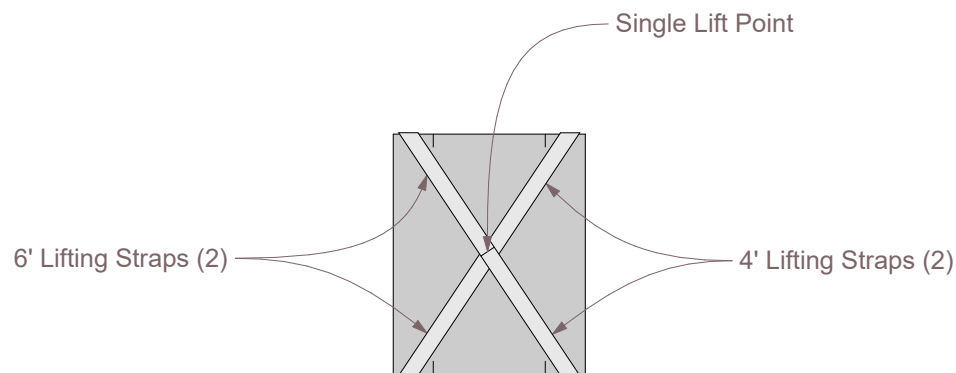
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Slide Bed Module - Pick Diagram - Elevation



Slide Bed Module - Pick Diagram - Plan

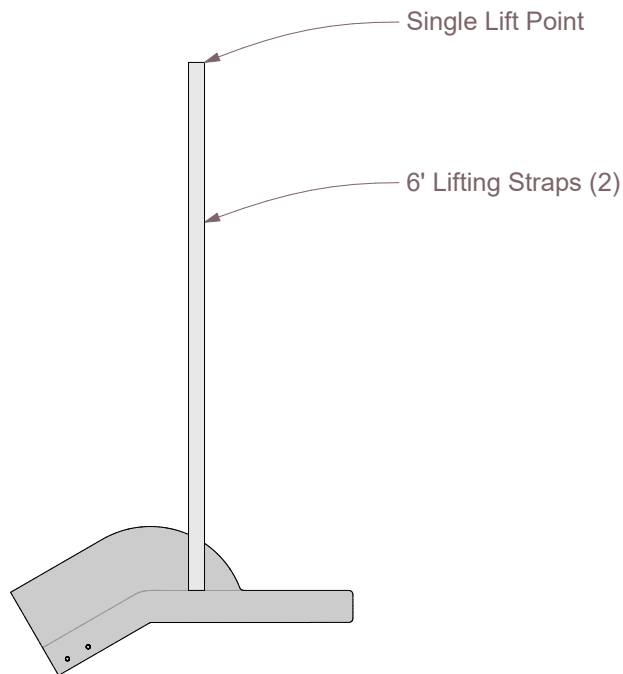
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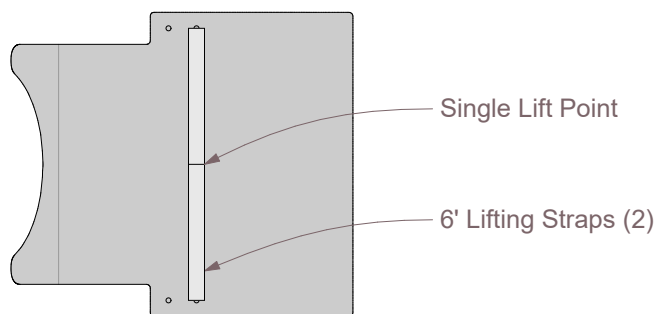
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Slide Entry Module - Pick Diagram - Elevation



Slide Entry Module - Pick Diagram - Plan