

Installation Instructions

Balance Mounds

Part # LF015



ID SCULPTURE

PLAY. CLIMB. EXPLORE.

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

Specifications: Balance Mounds Landform

- Material: Polyurea on Structural Foam, Composite Plastic Lumber
- Approx. Uninstalled Module Size (each): 3'-5" x 3'-5" x 0'-10"
- Approximate Module Weight (each): 40 Lbs
- Maximum Fall Height: 0'-10" (assumes 3" of protective surfacing)
- Age Group: 2-5 Years Old

Required Parts (included):

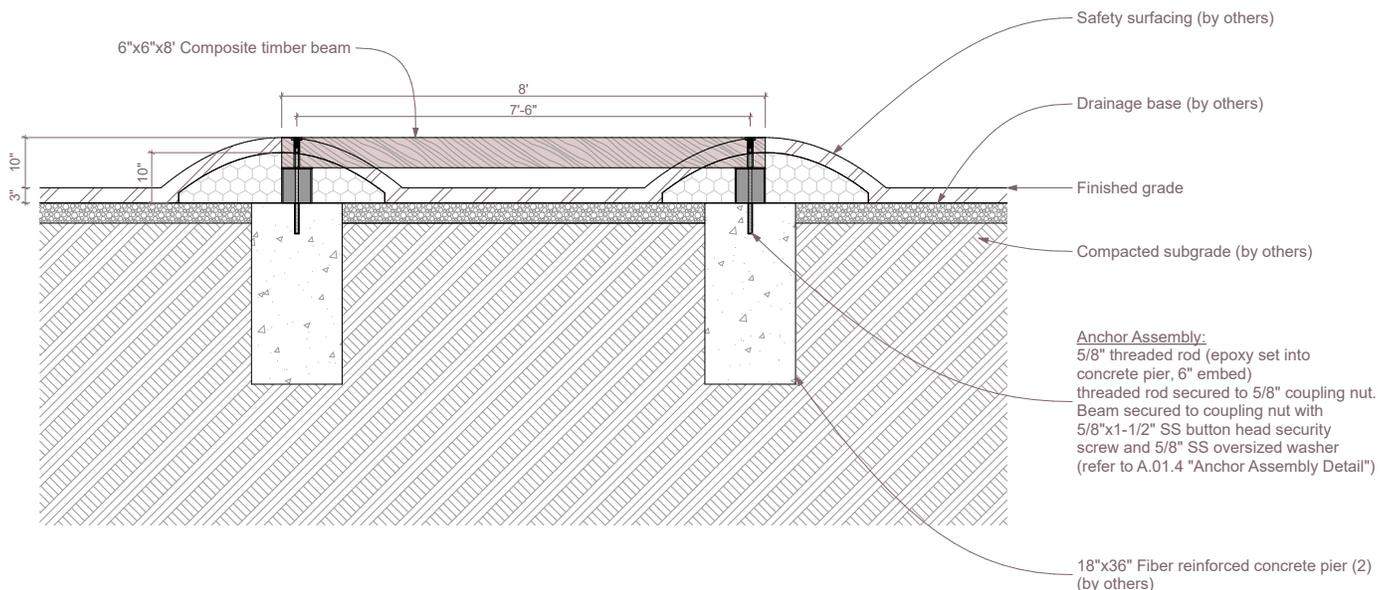
- Balance Mound Landform Sculptures: 2ct
- 6" x 6" x 8' Composite Plastic Lumber Balance Beam
- 6" x 6" x 1/4" Square TS Beam Support: 2ct
- 5/8"-11 SS Threaded Rod (15" Length): 2ct
- Simpson Set XP Epoxy Tube and Tip
- 5/8"-11 x 1-3/4" SS Coupling Nut: 2ct
- 5/8"-11 x 1-1/2" SS Button Head Security Torx Screw: 2ct
- 5/8" SS Oversized Washer: 2ct
- Torx Security Key
- "Balance Mounds" Drawing 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.*

Recommended Equipment (not included):

- 18" DIA auger (or Post Hole Digger)
- .4 CUYDS of Concrete (18 - 80lb Bags) for Concrete Piers
- Concrete Mixer
- Hammer Drill
- 3/4" x 10" Concrete Drill Bit
- Air Compressor with Blow Tube
- Hole Brush
- Caulk Gun
- Liquid Threadlocker



Section

Installation Instructions

Balance Mounds

Part # LF015



ID SCULPTURE

PLAY. CLIMB. EXPLORE.

591 South Boulevard Street

Gunnison, Colorado 81230

info@idsculpture.com

970-641-1747

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.*

- 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

Balance Mounds

Part # LF015



ID SCULPTURE

PLAY. CLIMB. EXPLORE.

591 South Boulevard Street

Gunnison, Colorado 81230

info@idsculpture.com

970-641-1747

Sculpture Installation:

1. Locate the concrete piers based on the provided layout drawing. Please refer to ASTM 1487 for layout guidelines.
2. Dig holes for the concrete piers into the compacted subgrade with an 18" diameter auger (or posthole digger) to a depth of 36".
3. Fill holes with concrete. Allow for concrete to cure for a minimum of 24 hours before installing landform.
4. 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.
5. The landforms will get anchored to the concrete piers using epoxy set 5/8"-11 x 15" SS threaded rod anchors, secured into a 5/8"-11 x 1-3/4" SS coupling nut, and anchored with a 5/8"-11 x 1-1/2" SS button head security torx screw and 5/8" oversized washer from the top of the balance beam. Please refer to the "Anchor Assembly Detail" on the next page for embed depth and proper heights of coupling nut and threaded rod.
6. Drill into the center of the concrete piers with a 3/4" x 10" hammer drill bit to a depth of 6-1/8" (do not exceed), clean hole with compressed air and brush. It is important to have the anchor holes be exactly 7'-6" apart on center from each other to ensure proper alignment of balance beam anchors (refer to layout for dimensions).
7. Fill holes with the provided Simpson Set XP epoxy. Insert the SS threaded rod anchors into the epoxy filled holes. Be sure to leave 11" of threaded rod exposed above concrete pier.
8. Once epoxy is cured, hand lift each landform and place over threaded rod anchors and onto the concrete piers. Be sure to center the opening in the landform modules with the center of the threaded rod anchors.
9. Insert the provided 6" x 6" x 1/4" square TS beam supports into the openings in the landforms. The beam supports get installed with the capped end upright. There is a hole in the cap to allow for the threaded rod anchor to pass through. The threaded rod anchors should sit in the center of the hole in the cap of the beam supports.
10. Secure the provided 5/8"-11 x 1-3/4" SS coupling nuts to the end of the threaded rod anchors. Use a liquid threadlocker to secure the coupling nut to the threaded rod to prevent rotation of the coupling nut when installing the button head security torx screw. Be sure to leave 3/4" of threading exposed at the top of the couplings nuts in order for the button head security screw to fully fasten. Refer to the "Anchor Assembly Detail" on the next page for proper heights of hardware.
11. Place composite timber balance beam component over the threaded rod anchors and onto the landforms. The holes in the balance beam are slightly oversized than the coupling nut and should slide right over the coupling nut and rest onto the beam supports.
12. Install the provided 5/8"-11 x 1-1/2" SS button head security torx screws and 5/8" SS oversized washers onto the balance beam and into the coupling nuts below using a liquid threadlocker and tighten.
13. Install resilient surfacing material in accordance with layout guidelines, and ASTM standards.

Installation Instructions

Balance Mounds

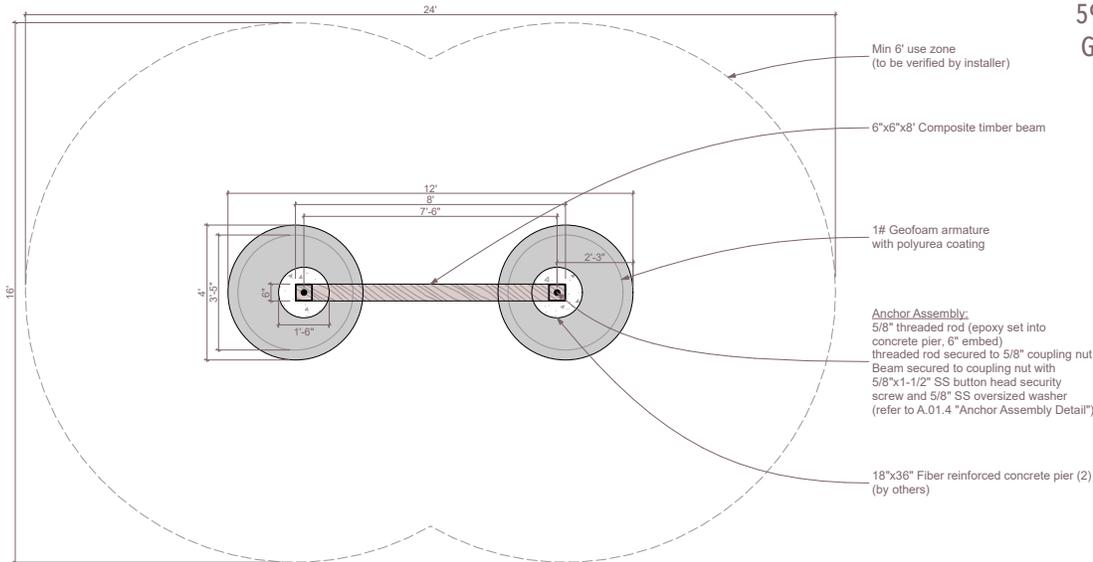
Part # LF015



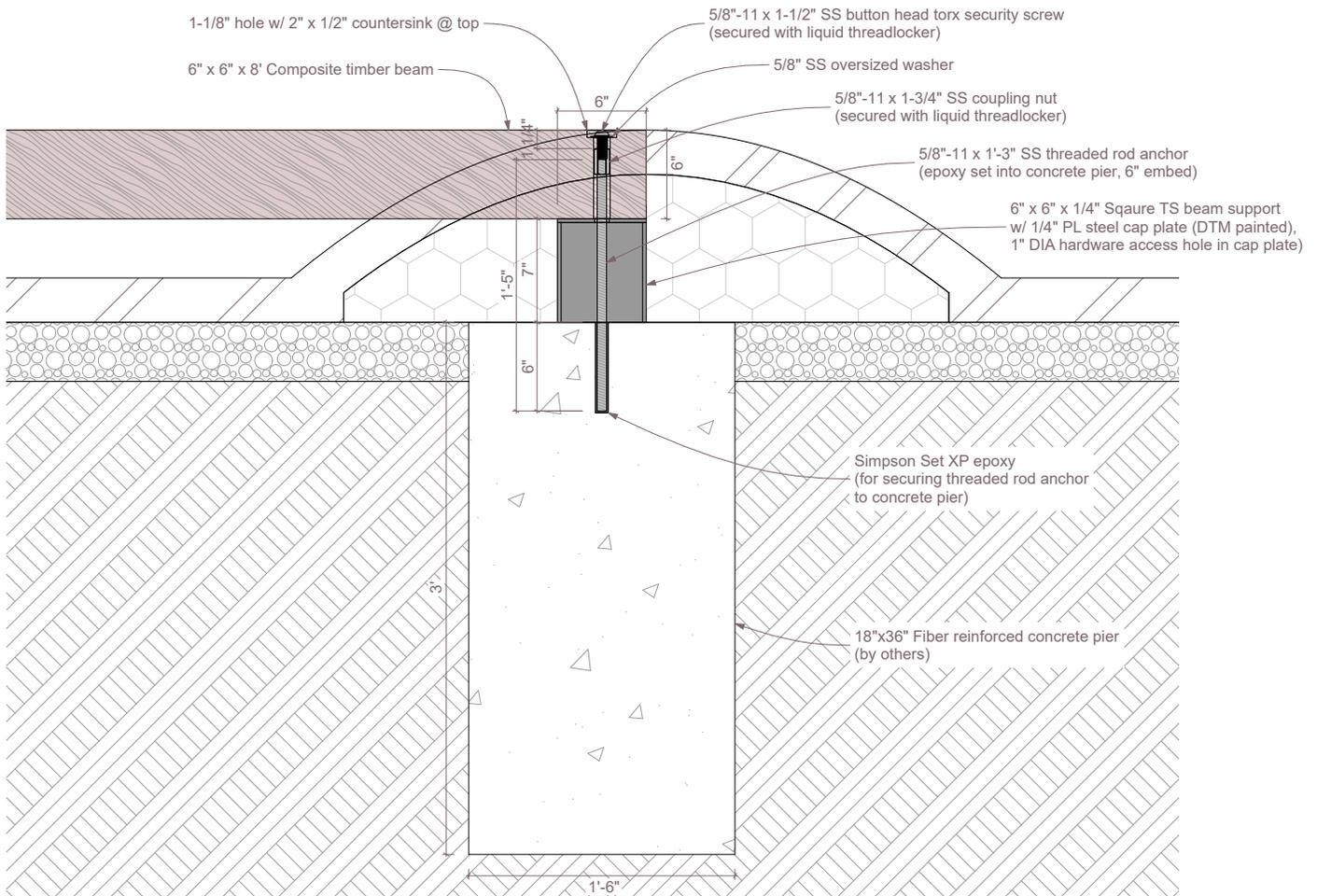
ID SCULPTURE

PLAY. CLIMB. EXPLORE.

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



Plan



Anchor Assembly Detail