

**PLEASE REFER TO RETAINING WALL DESIGN SHEETS FOR ADDITIONAL INFORMATION**

Do not operate tracked construction equipment directly on the geogrid reinforcement. A minimum fill thickness of 6" is required for the operation of tracked vehicles over the geogrid reinforcement. Turning of tracked vehicles should be kept to a minimum to prevent displacement of the fill and the geogrid reinforcement. Rubber-tired vehicles may pass over the geogrid reinforcement at a slow speed (less than 5 mph). Sudden braking and sharp turning should be avoided.

Place retained soil immediately between the reinforced soil zone and the back of the excavation. Material should be placed in lifts of 9" maximum and compacted to 95% maximum density as determined by a standard proctor test (ASTM D698). Bring the reinforced and retained soil up to grade at the same time. At no time should the elevation of the reinforced soil be more than 1 block higher than the retained soil.

**GEOGRID CONNECTION TO BLOCKS**

Connection between geogrid sheets and the Redi-Rock 28" Series blocks is made with the Redi-Rock Type 1AT connection. The connection is made with one 7/16" diameter solid fiberglass rod available from your local Redi-Rock manufacturer. **(Figure 30)**

The Type 1AT Connection is made with the following steps:

- Install a complete row of retaining wall blocks. Sweep the top of the blocks clean.
- Lay the geogrid across the top of the block and let it hang down to the bottom of the front face.
- Place one 40" fiberglass rod over the geogrid into the geoconnector slot. **(Figure 31)**
- Pull the geogrid back over the rod and extend the tail beyond the back of the block to provide a minimum of 3 feet embedment. TIP: A steel angle can be used to hold the rod and geogrid in position as shown. **(Figure 32)**
- Install the next course of retaining wall blocks to lock the geogrid connection in place.
- Pull the geogrid flat and tight. Secure it in place with pins or staples as recommended by the manufacturer.
- Place 3 inches of drainstone between the anchored tail and the primary geogrid layer.
- Backfill and compact as specified.

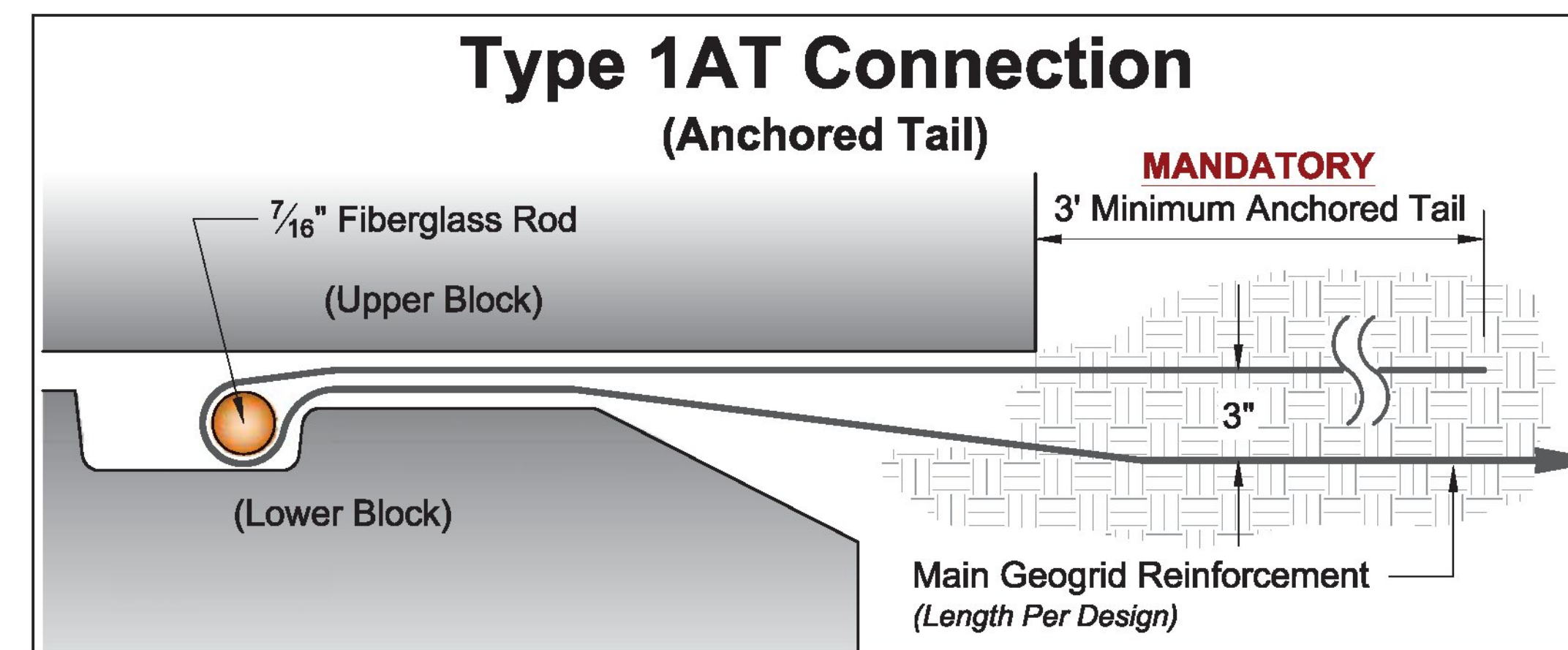


Figure 30

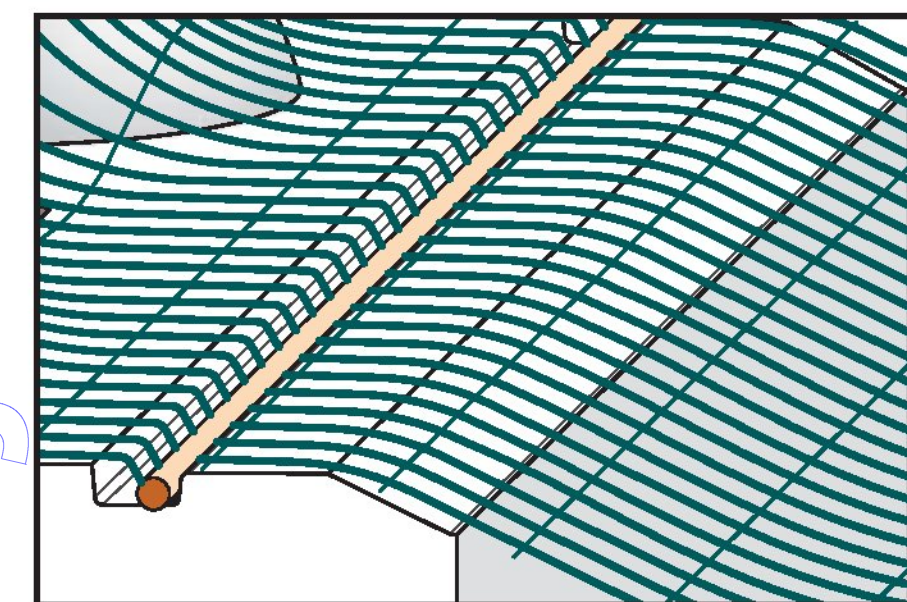


Figure 31

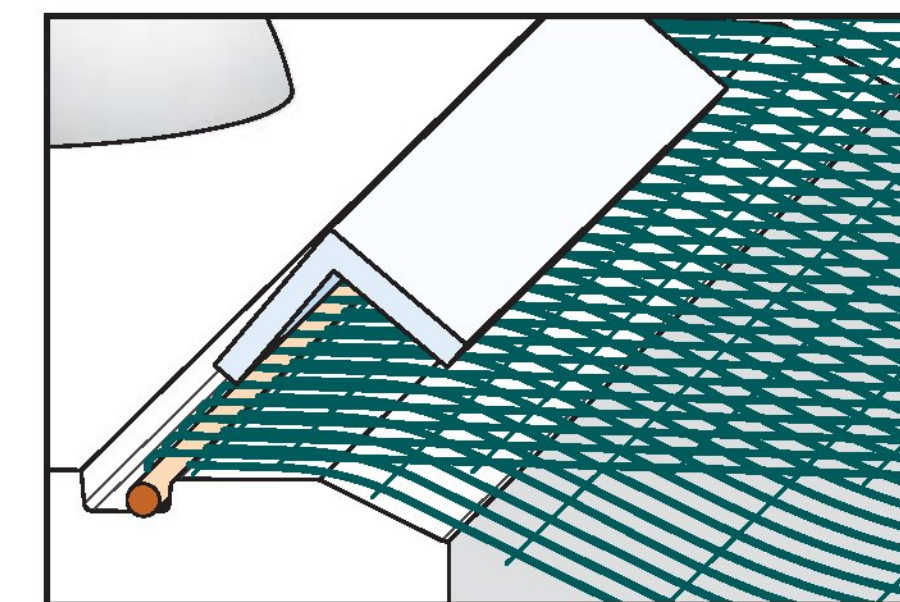


Figure 32