- This detail can be installed with either a single or multiple rows of Force Protection blocks.
- J-Bolts and clips are used to connect the top row of retaining blocks and all Force Protection blocks together.
- J-Bolt installation is not intended for traffic impact loads.
- Force Protection blocks can be attached to retaining wall blocks or ground anchors.

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**FORCE PROTECTION COPING WITH J-BOLTS**

- **View from back of wall with ground cutaway and blocks removed for visualization of connection.**
- **Clip Made From \( \frac{1}{2} \)" (13 mm) Thick Galvanized Plate**
- **\( \frac{5}{8} \)" (16 mm) Diameter Galvanized J-Bolt**
- **Lifting Hook Embedded in Blocks \( \frac{3}{8} \)" (10 mm) Diameter Galvanized (Standard)**
- **Hook Embedded in Blocks \( \frac{1}{2} \)" (13 mm) Diameter Galvanized (Standard)**
- **\( \frac{5}{8} \)" (16 mm) Diameter Galvanized (Specialty)**

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*This drawing is for reference only.

**Final designs for construction must be prepared by a registered Professional Engineer** using the actual conditions of the proposed site.

**Final wall design must address both internal and external drainage and shall be evaluated by the Professional Engineer who is responsible for the wall design.**