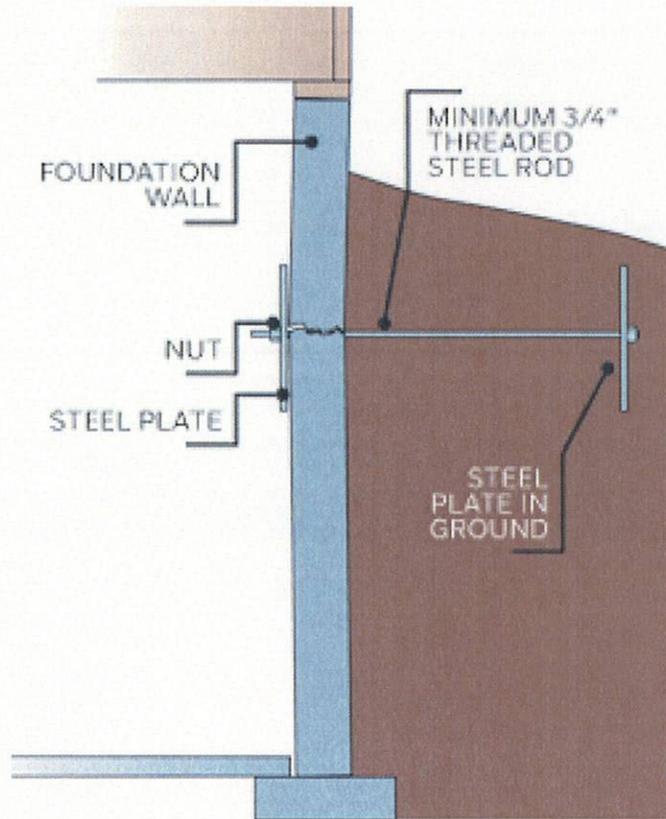
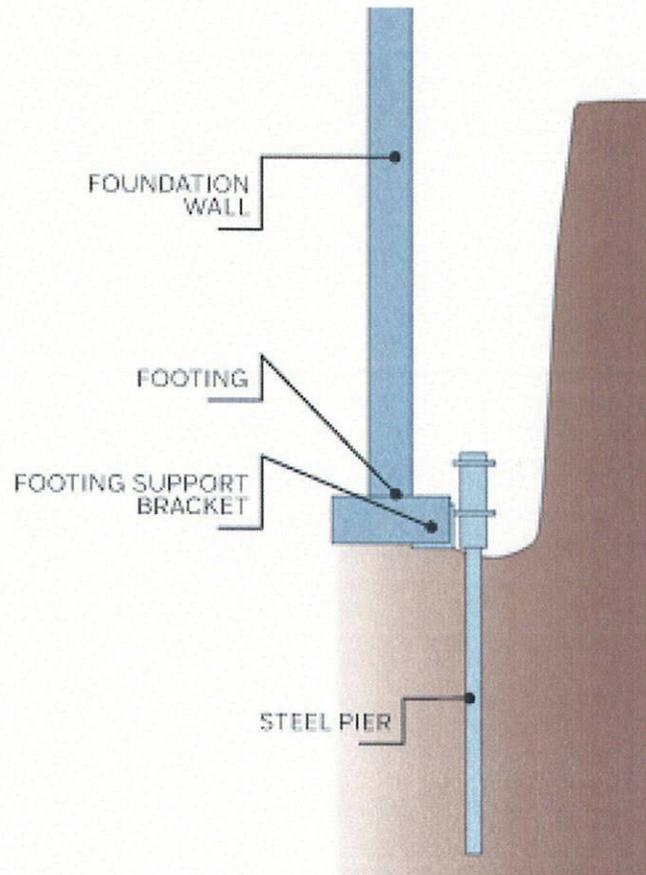


# Appendix C



Typical wall anchor installation. These systems can be used to straighten bowed walls, as well as to prevent further wall movement. However, this type of anchor ties the wall and soil mass together, so any movement or shrinkage by the soil mass after installation is reflected in movement of the wall.





Typical push pier installation. This system is usually installed after settlement problems have developed. The bracket is attached to the footing, and a hydraulic ram is used to push the steel pipe pier into the foundation. Pressure is applied until sufficient resistance is encountered to cause the foundation to start rising. Piers are typically installed at 6 feet to 8 feet on center, and the foundation wall spans between the piers. Because these piers act as mini-piles, the foundation load is transferred to the tip and sides of the pipes, and if the tip bears on a thin stiff layer, it can push through over time.