

Figure 3.17 Horizontal timber wall detail.

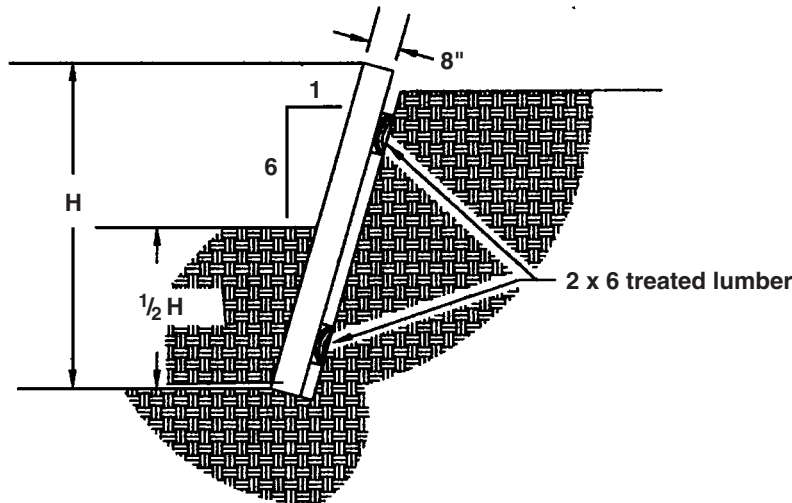


Figure 3.18 Vertical timber wall detail.

Except for revetments, in most application the gabions are constructed and filled with stone in place. Individual gabion baskets are connected to each other using lacing wire or ring fasteners. The minimum standards for lacing wire and ring fasteners are detailed in ASTM A975. Gabion wall design is often conducted with the assistance of the manufacturer of the baskets.

All retaining wall designs must address drainage. Crib walls, gabions, and dry laid stone walls are by definition porous, but masonry and concrete walls must be designed with the means to drain water away from the wall to avoid damage or failure. Water should be directed away from both the top and the bottom of the structure through the use of positive drainage. Weep holes of sufficient diameter should be installed to relieve hydrostatic pressure from behind the wall.