

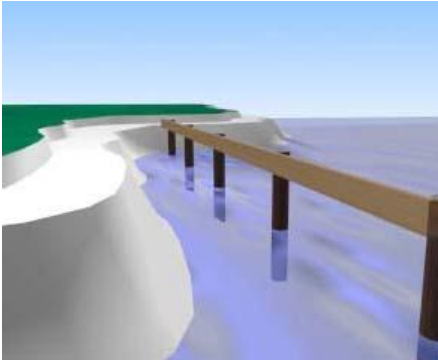


Typical Installation Procedures for retaining wall structures.

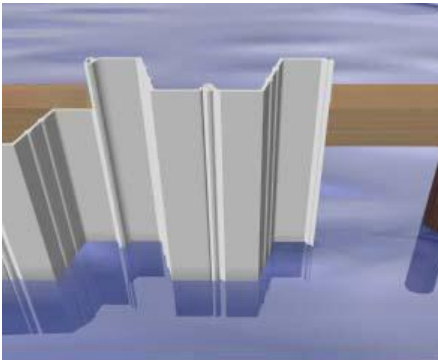
Note: This paper is a guide for experienced contractors. If you have any question regarding a particular application, consult a qualified engineer.

Typical Installation- Single Wale Design

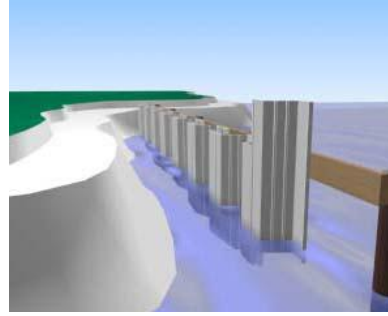
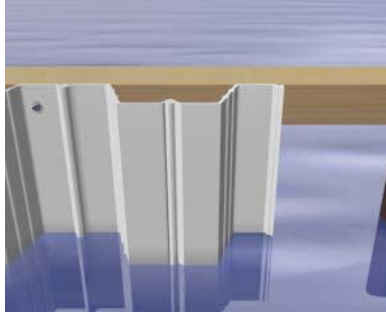
Drive 4x4 piling on 14' centers along the outside (waterside) line of the finished wall. These pilings are temporary and will be removed at the end of the project.



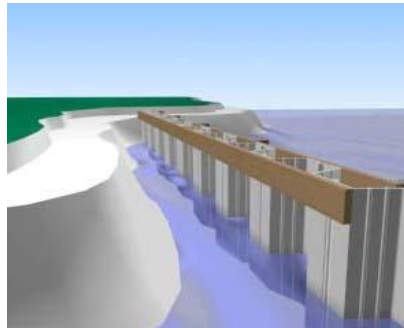
Attach what is to be the top wale of the structure. This beam will also be part of the total cap system, therefore, be sure to mount the beam at the proper elevation and check for alignment.



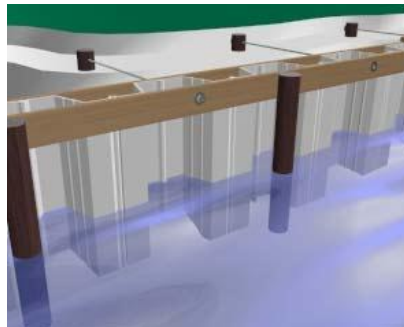
Connect the two panels and set them into driving position, leading with the male lock. Check that these two panels cover 36" along the wale. [**Tip:** You may want to mark the wale with chalk every 36". This will give you a visual guide during installation.] [**Note:** Two connected panels of PURLoc should have a cross-sectional depth of 8.5". Install the panels, driving them to grade with a drop hammer, vibratory hammer or water jet. Throughout each driving episode, check the panels for alignment.



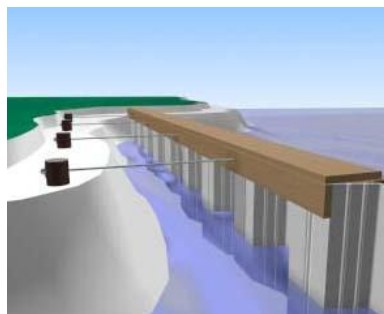
Once the panel is driven to grade, check the leading male edge for alignment. When you are satisfied that the panels are properly aligned, attach the leading panel to the wale using stainless steel lag screws. Do not overtighten. Repeat this process until you are finished. At this point, all panels should be aligned.



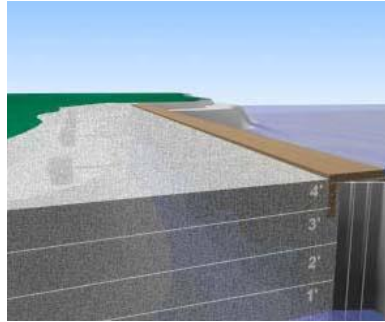
Once all panels are driven, attach the back wale beam. Panels that are not lagged to the front wale should be lagged to the back wale.



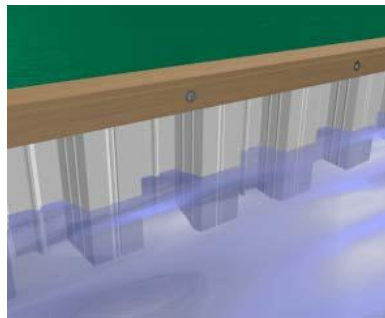
Attach the tie rods to anchors. The rods should be long enough so that the anchors can be placed in stable soils. The distance between the rods is dependent on the strength of the wale and the applied load. Consult your local contractor or engineer.



Place the 1/2" x 18" (or longer, depends on size of timber wale) stainless studs between the rods. Tighten all lag screws.



Mount the 2" x 12" cap board flush with the back wale.



Backfill in 1' lifts using granular or small, light aggregate backfill.



Remove temporary piling.