

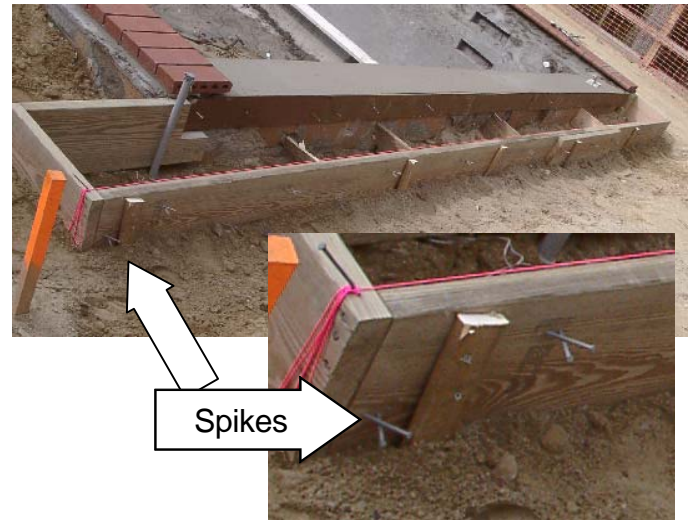
Automatic pool cover enclosure with a set stone deck

This pressure treated wood box is the enclosure for the automatic pool cover system.

The box is permanent, but requires cement around the outside of it, to be sturdy enough to hold back the surrounding ground.

There are spikes crisscrossed along the outside walls of the box to help secure it to the cement.

Note also the temporary spacer blocks and various stakes to keep the box in place while the cement is being poured.



The cement should be at least a foot wide around the box, and can be as thick as desired, up to the top of the wood box.

Around the box should be back filled enough so that cement does not run underneath the wood when poured.

Ideally, the cement should be as thick as possible, and this picture shows the cement only about 7" thick. This worked out fine, but it could have been thicker.



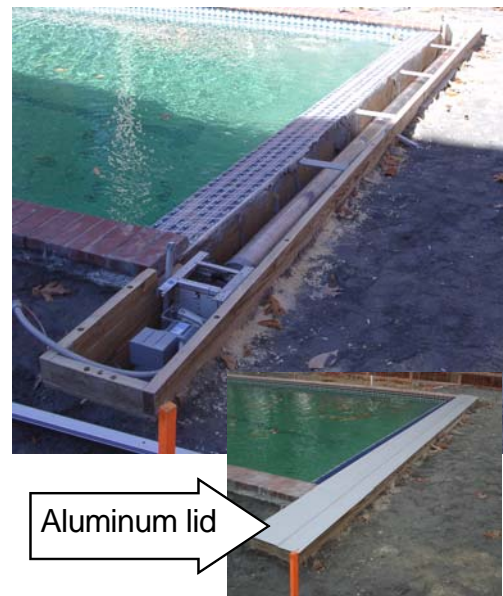
The top of this box base is built lower than the finished deck height so the builder of the box does not need to worry about the finished height of the deck. Much of the time the box base is built before the pool coping is installed (or ordered for that matter). By leaving the box base low, the coping, and the rest of the deck can be built without worry of the box being too high, low, or out of level with the rest of the deck pitch.

Depending on the actual order and type of construction, the box base gets built up to the finish height one of two ways:

1. If the Automatic cover system is to be installed before the decking around it is complete, or if there is no decking going behind the pool cover, the box will be built up (by us) with the same pressure treated two-by stock.

When done, the box assembly will be sturdy enough to stand by itself and receive the brackets which support the aluminum top.

The aluminum lid that covers the pit normally overhangs the wood base. This can hide the joint between the wood box and the decking material.



2. Most often the deck and coping will be completed before the automatic cover system is installed.

In these cases the deck material is installed directly on the box base.

The idea is to continue the inside dimension of the box base straight up to the finished height.

The stones which are installed on the box must have a flat surface towards the inside of the box, and should not overhang into the cover pit.

All stones mounted on top of the box base must be mortared down to allow the lid to be attached, and to prevent stone dust, sand, etc from dumping into the pit.

The picture to the right show a mechanism pit in which the blue stone is installed correctly. Below and below right pavers are shown.

