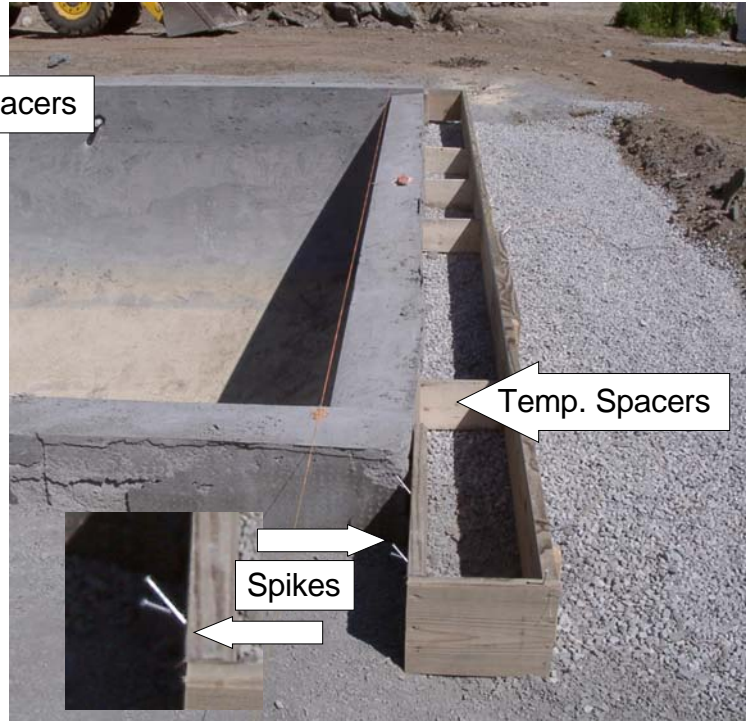
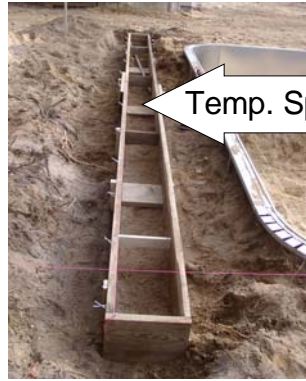
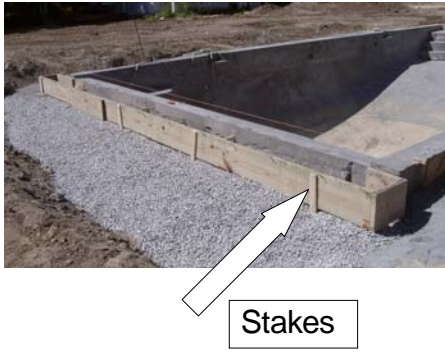


Automatic pool cover enclosure with poured cement deck.

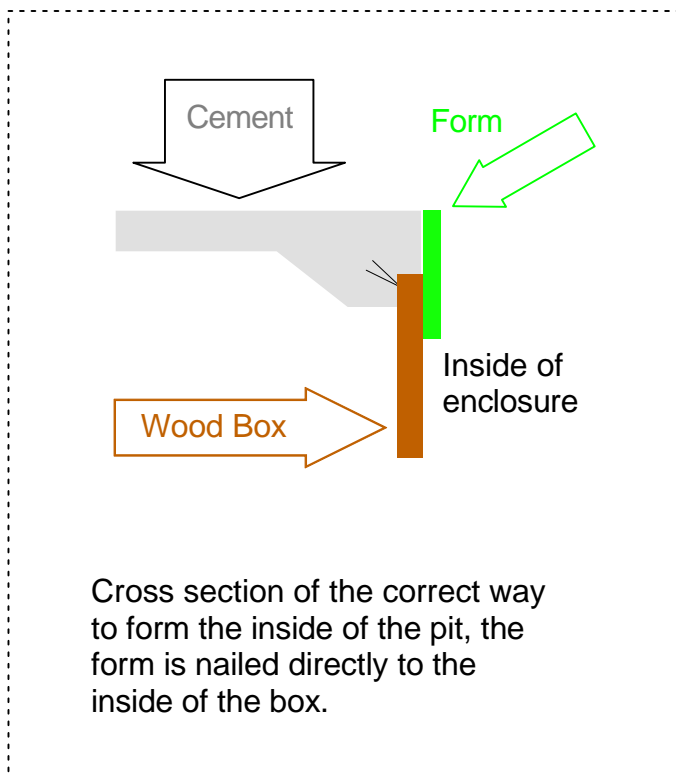


This pressure treated wood box is the enclosure for the automatic pool cover system. This box is permanent, and the cement gets poured on top of it.

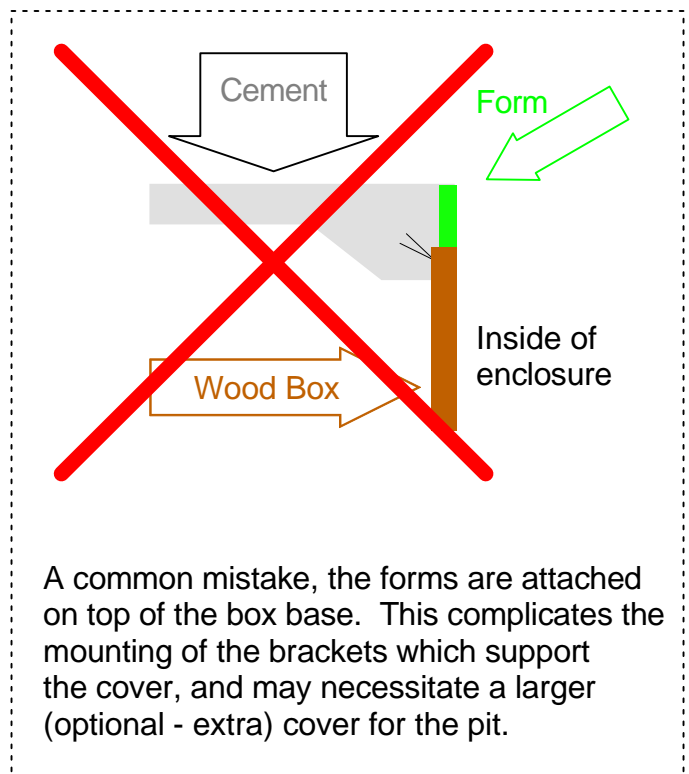
The way to correctly attach the forms is to the inside of the box, directly to the wood.

The idea is when the deck is finished the cement will continue the inside dimension of the wood box straight up, to the finish surface. There will be brackets mounted to the wall farthest from the pool eventually, so the cement needs to be straight, and as close to plumb as possible.

The spikes crisscrossed along the outside are meant to lock the cement to the wood box. Note also that temporary spacer blocks, and various stakes are used to keep the whole assembly in place during the pour.



Cross section of the correct way to form the inside of the pit, the form is nailed directly to the inside of the box.



A common mistake, the forms are attached on top of the box base. This complicates the mounting of the brackets which support the cover, and may necessitate a larger (optional - extra) cover for the pit.



Before



After

Done correctly, the cement is flush with the inside of the box, smooth, and plumb.



Tips:

1. Make sure the spacer blocks do not get knocked out of place while the forms are being attached, or when the cement is being poured. The box needs to remain straight.
2. Make sure that the ground right around the wooden box is not back filled so high that the poured cement doesn't make it down to the top of the box. The cement needs to be thick enough to land on the spikes attached to the wood box in order to hold back the ground permanently (when the spacer blocks are removed).

When back filled the ground should be no higher than 3" below the top of the box, for at least a few inches around it. **This may require wider boards than usually needed to form a regular pool deck. Typically 6" instead of 4" boards around the wood box area.**

A box which was back filled too far.



Layer of dirt between cement and wood (bad).