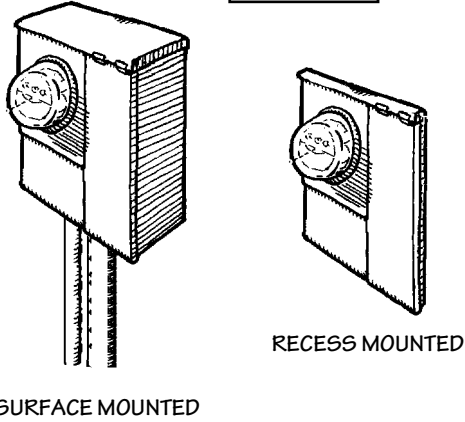


Meter Main

The illustrations and details included in this manual detail a surface mounted service panel. A recessed panel is certainly feasible by adapting Figure 12 and allowing for the service riser to be housed within the block and stem wall. This option is more attractive from a security standpoint because the circuit breakers are normally on the interior of the structure rather than on the exterior.

Figure 20

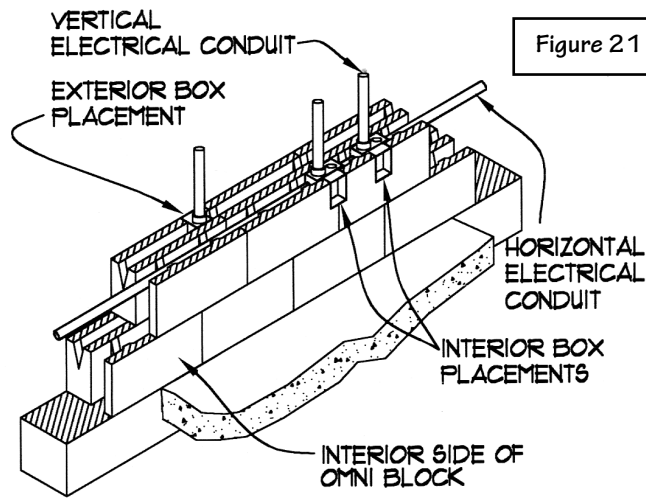


MAIN METER OPTIONS

Electrical Box Isometric

The illustration shown in Figure 21 depicts a typical 110V box along side a low voltage box and an exterior GFI box. The ideal situation is for the horizontal pipe to be 'swept' out of the block at interior partition wall locations utilizing 90° PVC sweeps, thus eliminating the need for vertical PVC.

Figure 21



ELECTRICAL ISOMETRIC

Interior Electrical

The illustration shown in Figure 22 is a single gang box with a single vertical 3/4" PVC conduit. This is the typical installation for single gang electrical and low voltage boxes that are required on the interior side of the masonry wall. Numerous options are available and include:

- a) double conduit for 'in and out' switched wiring.
- b) double, triple or four-gang boxes.
- c) horizontal conduit running from box-to-box; minimizing vertical conduit requirements. Horizontal conduit initially takes a little longer to install but the more vertical conduit the mason can eliminate the quicker subsequent courses will take to install.

The interior box placement must occur in the center of the block, or when two block are butted together, centered on the butt joint. If the box is placed at a cross web, the above subsequent cross webs interfere with the vertical conduit.

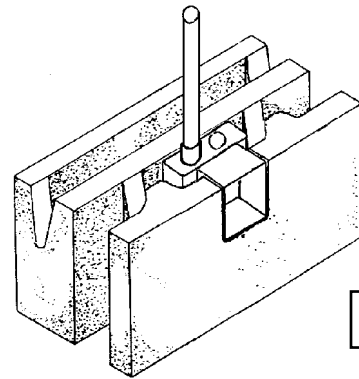


Figure 22

INTERIOR ELECTRICAL BOX

Surround Sound

All low voltage box requirements are placed into the block wall as depicted in Figures 21 and 22.

Security System

The pre-wire for the alarm system is best accomplished prior to any interior surface application. The mason 'scores' the block for the alarm/security subcontractor to run the security wire which is either caulked or glued into place. Magnets are then installed to windows and the other end is left coiled above the top of the wall for future connection.

Door Bell

A 3/4" PVC conduit is run vertically and swept out of the wall utilizing a 90° sweep. An electrical box is not necessary for a surface mounted door bell.