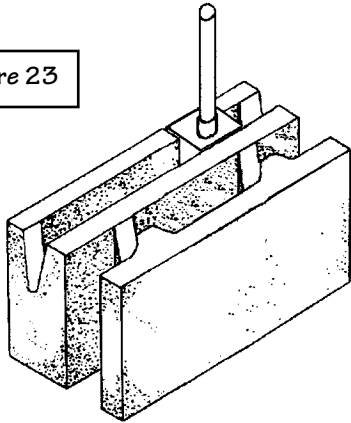


Exterior Electrical

The illustration shown in Figure 23 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 exterior side of the masonry wall. Note: The exterior box placement must occur at either end of the block in order to avoid the conduit from hitting the webs in the block above.

Figure 23



○ EXTERIOR ELECTRICAL BOX

Thermostat Wire

The thermostat wire is usually ran with the AC Freon line and does not need special consideration. Check with the HVAC contractor to verify this requirement. A separate electrical box and conduit can be installed, if requested.

Air Conditioner 220 Volt Line

A 1" PVC conduit with a 90° sweep is provided for the quick disconnect box. The HVAC or electrical contractor determines (per local code) height and location of this conduit. Most local codes also require a GFI 110V outlet within a specified distance of the air conditioner. The ideal situation is to locate exterior boxes where interior partition walls are to be erected. This allows for the horizontal conduits to be run into these walls which provides an easy access for the electrician and also eliminates the need for the mason to run vertical conduit.

Garage Electric Eye

Most codes require an electric eye for automatic garage door openers. A 90° sweep is attached to 3/4" PVC conduit and stubbed out at both interior sides of the garage door at 6 inches above finished garage floor. Low voltage wiring is 'fished' through the conduit by the electrician.

Electrical Parts

The mason usually supplies all the electrical boxes and conduit (not including panel or wiring) that are to be installed into the masonry wall. Jobs run smoother and more efficiently when the mason does not have to wait for the electrician to provide the electrical parts at the job site.

Omni Block typically stocks electrical boxes fabricated in variations that meet most all the specified electrical requirements described on building plans. Please refer to [www.omniblock.com](http://www.omniblock.com) for current price list and availability.

## Builder's Checklist

- ✓ Schedule a brief 'prior to the start of masonry' meeting at the job site with the electrical and low voltage subcontractors and the mason.
- ✓ Make sure all electrical switch and outlet requirements are indicated on the plan.
- ✓ Determine main incoming telephone feed location.
- ✓ Determine main incoming cable/TV feed location.
- ✓ Determine meter /main location.
- ✓ Determine all telephone, cable, sound, security, pool pump, pool light and door bell locations that occur on masonry walls.
- ✓ Determine all air conditioner locations and HVAC lines.
- ✓ Check into how the thermostat wiring is to be handled.
- ✓ Make sure electrician installs Ufer with enough footage to reach electrical main.

## Notes

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