Determine the Location of the Back Plate

1.1 Determining the placement location of the Back Plate is the first step in the electrical rough-in process. The placement of this plate must allow for easy future access, good air flow, and protection from moisture. Acceptable locations include garages, basements, utility rooms, or mechanical rooms.

Use the following guidelines for locating the Back Plate:

Location must be easily accessible for installation, service and maintenance.

Maintain a minimum of 6 inches of clearance between the Back Plate and any ceiling, wall, floor or adjacent Back Plate.

Do not locate Back Plate in an area where it will be covered.

Maintain 45 inches of clear space in front of every Back Plate.

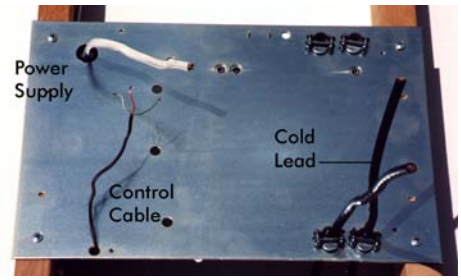
Placement outdoors is acceptable only if enclosed in a Heatizon Systems Enclosure Kit (ENCLKIT), which comes with a customized Back Plate.

Do not place in an area where high humidity is present, or where Control Unit may be exposed to water.

Consideration for sound and vibration of transformer is advised. Proper sound attenuation insulation or vibration isolation is recommended.

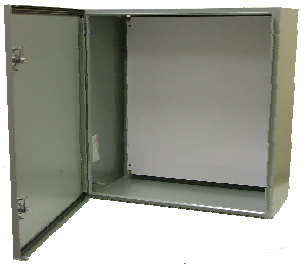
Note: Knockout opening in all Heatizon Systems products should never be used except with devices that are designed to fill those openings.

Note: When installing Heatizon Systems products, strict compliance with the National Electrical Code (NEC), Canadian Electric Code (CEC), local Building Codes, and Heatizon Systems Design and Installation Manual is essential.



Back Plate (P1320)

Rough-In Box (P4184)



Enclosure Kit (ENCLKIT)

1.2 Determine whether the Back Plate (P1320) will be installed on studs (spaced on 16" centers), on a concrete or other non framed surface using a Rough-In Box (P4184), or if an Enclosure Kit will be used.

- Back Plate on studs. If Back Plate will be mounted on studs, studs must be capable of supporting shear and lateral loads of at least 100 pounds per Back Plate. Press the provided black bushings through the five (5) appropriately sized holes in the Back Plate. The bushing for the power conductor in the upper left hand side of the Back Plate must be pressed in from the back so that it will not interfere with the installation of the Control Unit. The other four (4) black bushings or those for the two upper and two lower holes on the right-hand of the Back Plate may be pressed in from the front of the Back Plate.

- Back Plate on concrete. If the Back Plate mounting area is to be a concrete or non-framed surface, the use of a Heatizon Rough-In Box (P4184) is recommended and should be installed at this point. The Rough-In Box provides several knock-outs for ease of conduit connections and 1/4-20 bolted connections of the Back Plate to the Rough-In Box. The Rough-In Box is to be surface mounted using adequate anchoring devices to accept shear loads and lateral loading of Control Unit and Transformer (weight may equal 100 lbs for larger systems).

- Enclosure Kit. If the Back Plate will be exposed to water or high humidity or if it will be mounted outdoors, a Heatizon Systems Enclosure Kit with a customized Back Plate should be used.