



City of San Leandro
Purchasing Division

Addendum No. 2 to bid specifications 08-09.014 Electrical Work at PWSC

November 19, 2008

BID DUE DATE CHANGED TO WEDNESDAY, DECEMBER 3, 2008 3:00 PM LOCAL TIME

Clarifications and additions to bid specifications page 3

Paragraph 3, re: Trenching – Add the following:

Install one (1) 36" x 18" minimum splice box at main panel location, stub off in box at main panel, stub off against wall of garage

City of San Leandro to provide USA for trenching, note that hand digging will be required around any markings

Paragraph 4, re: conduit – Add the following:

Conduit and wire to run from the distribution panel to 12 truck bays

Cord end to be supplied by contractor per Cleaire supplement (copy attached)

Paragraph 5, re: subpanels –

Delete one (1) subpanel – only one (1) to be provided and installed

Add to subpanel description: one (1) subpanel – minimum 30 slot, 220 volt 3 phase 20 amp breaker, 12 breakers, 2 pole

All other remains the same

A handwritten signature in cursive script that reads "Don Brockman".

Signature of Bidder

This confirms receipt of Addendum #1.

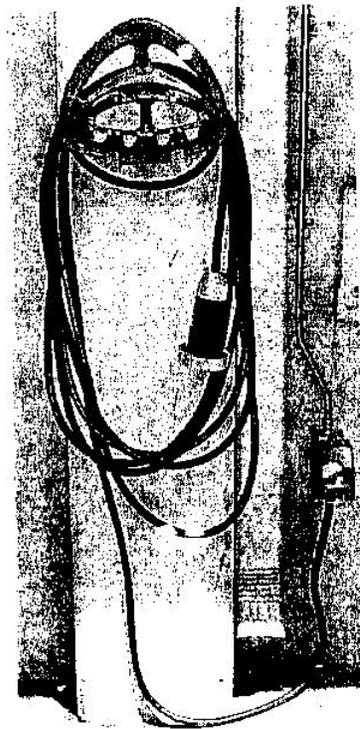
Don Brockman, Purchasing Agent, City of San Leandro

THIS FORM MUST BE IN YOUR SEALED BID

clēaire

ADVANCED EMISSION CONTROLS®

Power-Supply Station Installation and Maintenance Guide



For Technical Support Contact:

Cleaire Advanced Emission Controls, LLC
14775 Wicks Blvd.
San Leandro, CA 94577-6779
1-800-308-2111

Horizon Power-Supply Station Installation and Maintenance Guide

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I. NOTICE

The power-supply station is the responsibility of the customer and their electrical contractor.

This guide is provided to assist the customer and their electrical contractor in designing and installing the power-supply station. This guide does not address electrical codes or regulations, which are the responsibility of the customer and their electrical contractor. Appropriate safety considerations should always be incorporated in the power-supply station design, installation and use.

II. ELECTRICAL SPECIFICATIONS

The Horizon's electrical demand is 2800 watts at 208 volts single-phase AC and 60 Hz.

The voltage may vary by +/- 5 volts at the Horizon plug while under load.

The total number of power-supply stations should equal the total number of Horizon systems that will be plugged in at the same time.

III. POWER-SUPPLY STATION INSTALLATION

A. Guidelines

Only a qualified electrician should install the power-supply station(s) (Figure 1).

- The power-supply wiring and breakers must be adequately sized to meet the specifications (see page 1).
- Be sure to follow all applicable electrical codes.
- Display appropriate warning labels for safety.
- If the power-supply receptacle did not come pre-wired to the power cord, then follow the steps beginning on page 3.
- The power cord should be appropriately rated and properly supported.
- Choose a location for each power-supply station so that there is a minimum of interference with normal traffic and workflow while the vehicle is parked and the Horizon is plugged in. Avoid locations that could lead to power cord damage.

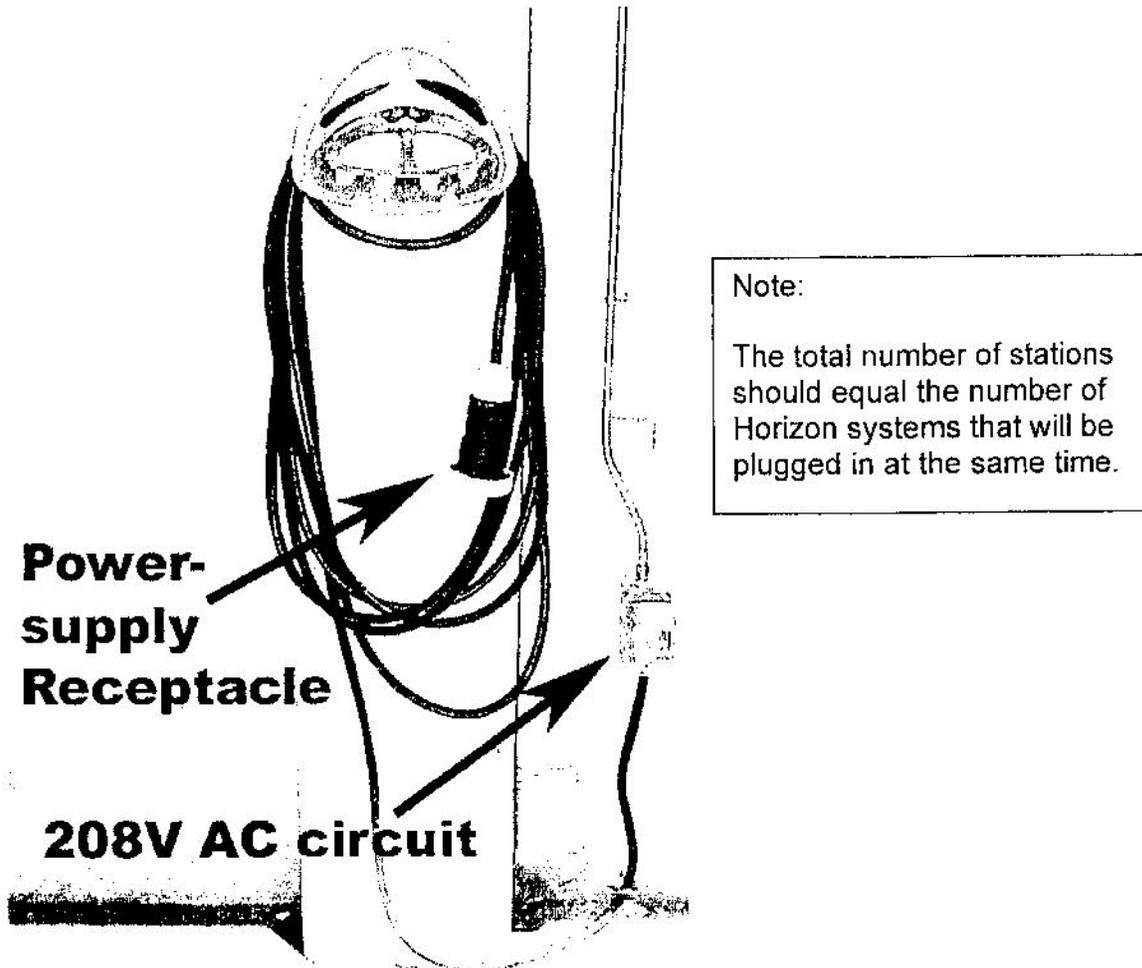


Figure 1. Example of power-supply station.

B. Wiring the Power-Supply Station Receptacle

Attention:

This section only applies when the power-supply cord has not been ordered directly from Cleaire.

1. Only a qualified electrician may perform the steps below.
2. Open the receptacle cap by unscrewing the lock nut (Figure 2).

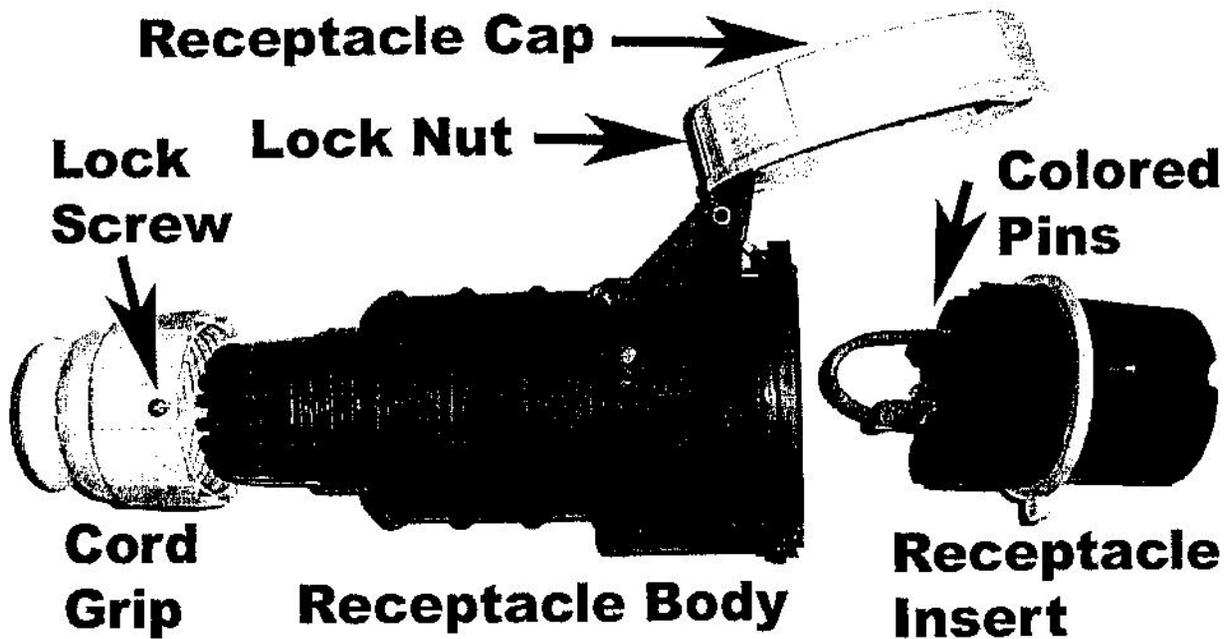


Figure 2. Power receptacle.

3. Unscrew both retaining screws (Figure 3) and remove the receptacle insert.

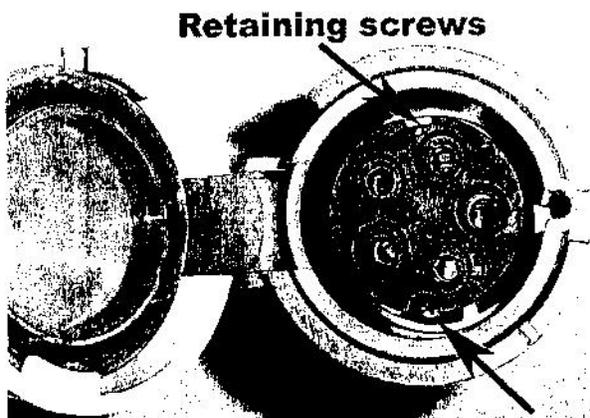
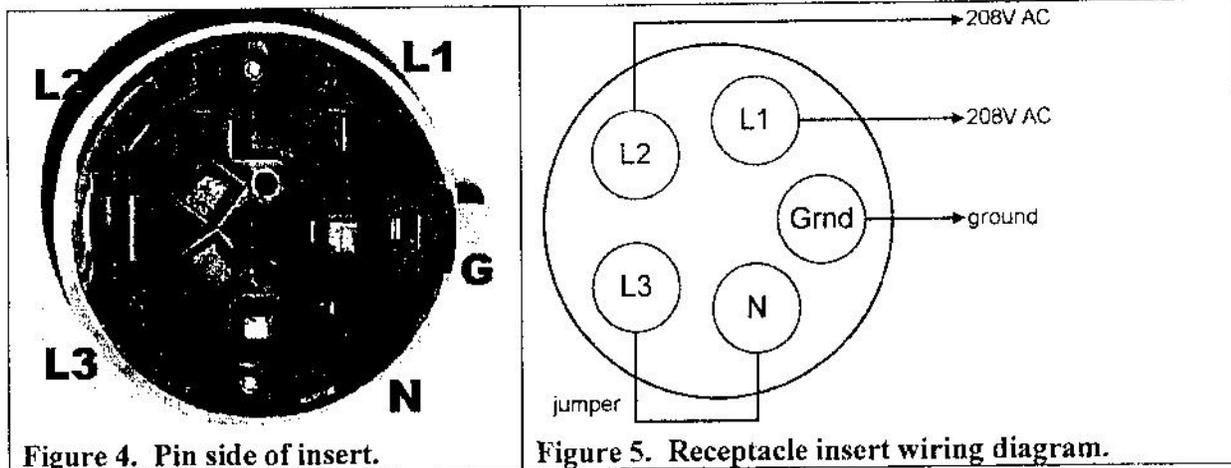


Figure 3. Receptacle insert retaining screws.

4. Remove the cord grip from the receptacle body (see Figure 2). Feed the power cord through the cord grip and the receptacle body.
5. Strip the wires 1/2 inch.
6. Insert the wires into the receptacle insert slots (Figure 4) according to Figure 5. Push the colored quick-connect pins into the receptacle to lock the wires in place. (Note: pins can be pulled out with a screwdriver to release a wire if required.)



7. Gently push the insert into the body and partially tighten the retaining screws.
8. Screw down the cord grip (Figure 2) onto the receptacle body until it is completely sealed against the power cord.
9. Tighten the lock screw on the cord grip.
10. Tighten the receptacle insert retaining screws.
11. Close the cap and tighten the lock nut.
12. Turn the power breaker back on before plugging in the Horizon.

IV. INSPECTION AND MAINTENANCE

Each time before plugging in the Horizon, always be sure the electrical power cord, receptacle, and plug are in good condition and have no damage. Make repairs if needed. If necessary, contact a qualified electrician.