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Powerhouse-SS Power Pedestal

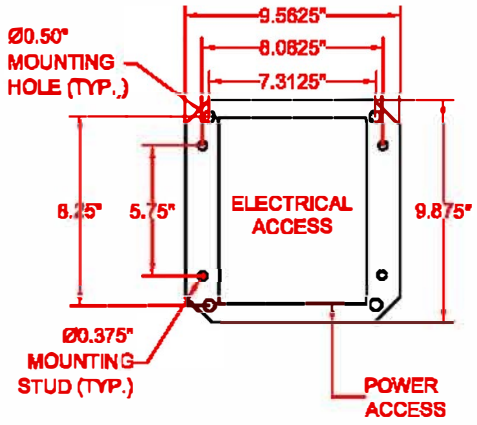
Dimensions

Height:	44.00" (1117.60 mm)
Width:	9.565" (242.95 mm)
Depth:	9.875" (250.83 mm)

Approximate
Weight: 60 lbs. (27.2 kg)

Multiply base dimensions by 25.4 for millimeters

Powerhouse-SS Base Diagram



General Specifications for Powerhouse-SS Power Pedestals

All Power Pedestals Must Meet the Following:

Part I. General:

1.1 General Requirements:

A. Shall be tested and certified to be in compliance with ANSI/UL 231 entitled "power outlets."

B. If a laboratory other than U.L. is used that laboratory must certify, in writing, that the power outlet has been tested and meets all of the requirements of ANSI/UL 231, ***including 746C polymeric materials, and that the unit will pass the 94VO-5V flame test.***

C. Shall be certified to meet all sections of NFPA 7-551-70 of NEC.

D. Shall meet 406.8 (B)(2)(a) of the national electric code NFPA 70, i.e. "A receptacle installed in a wet location shall be installed in a weatherproof enclosure, the integrity of which is not affected when the attachment plug cap is inserted."

Part II. Products:

2.1 Power Pedestal / Distribution Equipment:

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2.2 Power Pedestal - General Specification

A. Main Housing:

a. The housing shall be constructed of 16 gauge, stainless steel and shall be coated with UV-resistant polyurethane resin over a powder coating. It shall be UL listed as a type 3R weatherproof enclosure.

B. Lighting Assembly / Housing:
   a. The lighting top housing shall be constructed of 1/8" thick injection molded heavy resin material and shall be coated with a two part UV-resistant polyurethane. It shall be UL listed as a type 3R weatherproof enclosure.
   b. STANDARD - Each pedestal shall be equipped with a non-metered light. The lighting assembly shall include one 14-watt compact fluorescent light, that is controlled by an electromechanical photocell and protected by a 20 amp, single pole breaker.
   c. OPTION - Each pedestal shall be equipped with a non-metered LED light, that is controlled by an electromechanical photocell and protected by a 20 amp, single pole breaker.

C. Wiring:
   a. The power pedestal shall be completely pre-wired at the factory to the load side of the compression lug assembly.
   b. All load copper wiring shall be of high stranding and tin plated to resist corrosion.
   c. The maximum size of the line wiring shall be 350 MCM direct feed or #4/0 loop feed.

D. Loop Feed Buss Bar System:
   a. STANDARD - Double barrel mechanical buss bars - rated for copper or aluminum - maximum wire size shall be 300MCM.
   b. OPTION - 250 Amp Bus Bar - The bus system shall be of stud compression terminal type using a 3/8" - silicon-bronze stud with a silicon-bronze Belleville type washer. The 3/8" - silicon-bronze hex-nut shall be torqued to 150 inch-pounds with a maximum amperage rating of 250 amps.

E. Grounding:
   a. All exposed metallic parts must have an integral ground that is a part of the equipment grounding system.

F. Receptacles:
   a. All receptacles shall be mounted behind a lockable weatherproof, hinged door that is under tension to ensure proper closing pressure when the receptacle is or is not in use.
   b. All receptacles shall be mounted at least 24" above level surface.
   c. All receptacles under 60 amps shall be of the corrosion resistant type conforming to NEMA TT-30 and/or NEMA 14-50.
   d. 20 Amp, 110 Volt, straight blade receptacles shall be GFI protected.
   e. 30 Amp, 125 Volt, receptacles shall be 2 pole, 3 wire (NEMA TT-30).
   f. 50 Amp, 125/250 Volt, receptacles shall be 3 pole, 4 wire (NEMA 14-50).

G. Circuit Breakers:
   a. All breakers for receptacles shall be of the thermal magnetic type, 10,000 A.I.C., and shall be UL listed.
   b. Circuit breakers shall be located under lockable, weatherproof door.
   c. Circuit breakers for the 20 Amp, 110 Volt, straight blade receptacles shall be single pole, 20 Amp.
   d. Circuit Breakers for the 30 Amp, 125 Volt, receptacles shall be single pole, 30 Amp.
   e. Circuit breakers for the 50 Amp, 125/250 Volt, receptacles shall be two pole, 50 Amp.

H. Hose/Cable Bracket:
   a. Each pedestal shall have aluminum brackets capable of holding a 50' length of 5/8" water hose or 50' of 50 Amp, four-conductor boat S.O. cord.

I. Metering (Optional):
   a. 120 Amp Meter - The pedestals shall be equipped with fully electronic meters that display the kilowatts used at each slip on a non-resettable digital counter that is protected from the weather. The accuracy of the meters must be certified by the manufacturer to have a 120 ampere rating and no more than a 2% error when tested in accordance with ANSI.-C12.1.(California requires 1%).
   b. 200 Amp Meter - The pedestals shall be equipped with fully electronic meters that display the kilowatts used at each slip on a non-resettable digital counter that is protected from the weather. The accuracy of the meters must be certified by the manufacturer to have a 200 ampere rating and no more than a 2% error when tested in accordance with ANSI.-C12.1.(California requires 1%).

J. Communications (Optional):
   a. Each pedestal shall be equipped with two outlets for each slip. Each outlet shall contain a combination of RJ45 (internet) receptacles, RJ11 (telephone) receptacles, or male coax (cable TV) connectors under an injection-molded heavy resin, weather protective cover.
   b. Each communication assembly shall include an internal isolation box for the separation of high and low voltage equipment.

K. Water:
   a. Each pedestal shall be equipped with one or two 3/4" ball valves with each having a separate 3/4" female NPT fitting.
   b. The water assembly shall have an isolation box, which separates the water connections from the electrical access area.

L. Power Pedestals for A.D.A. Sites (Designated as Handicap Accessible):
   a. Power pedestals installed on designated handicap accessible sites shall comply with the guidelines of the Americans With Disabilities Act of 1990.

(END OF SECTION)

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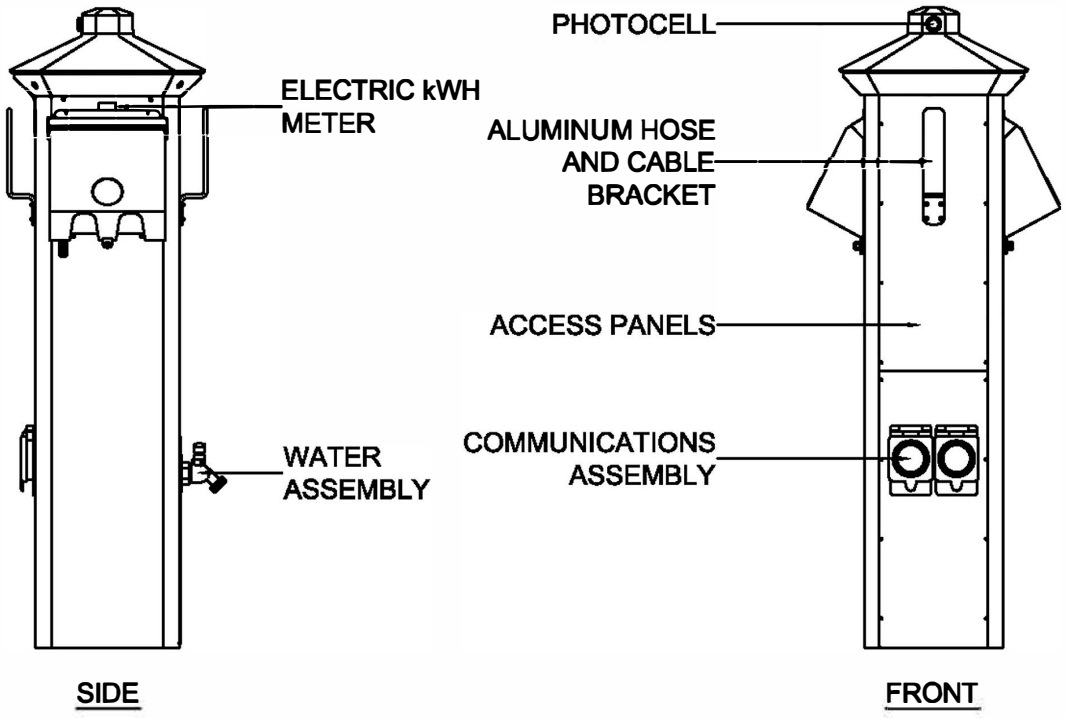
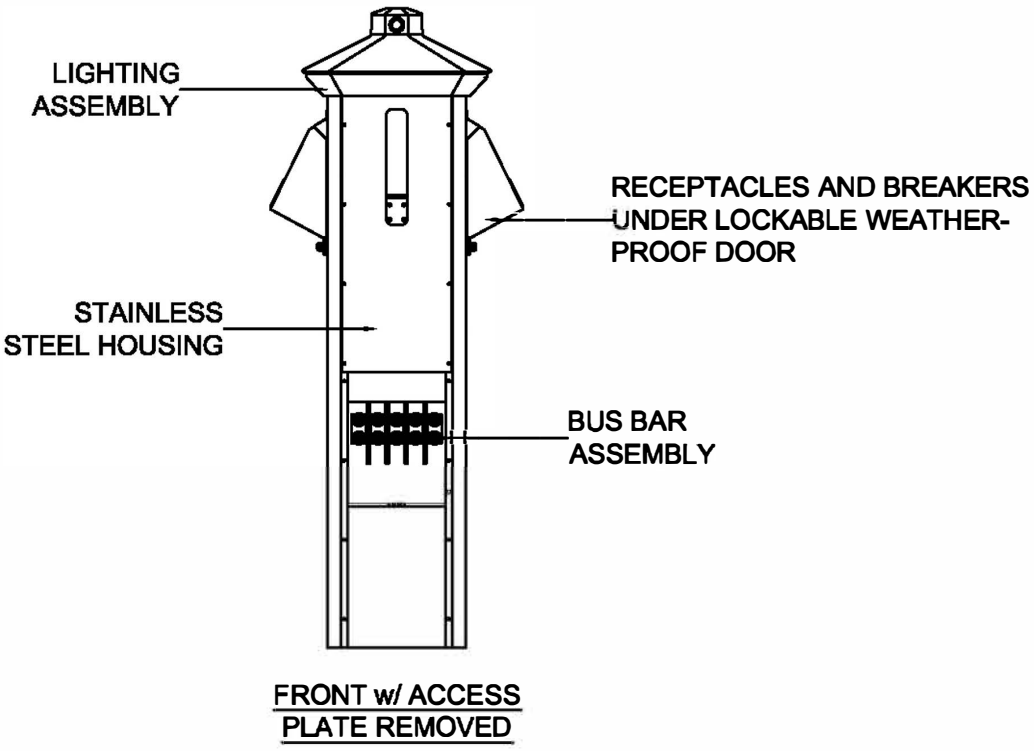
Product Features





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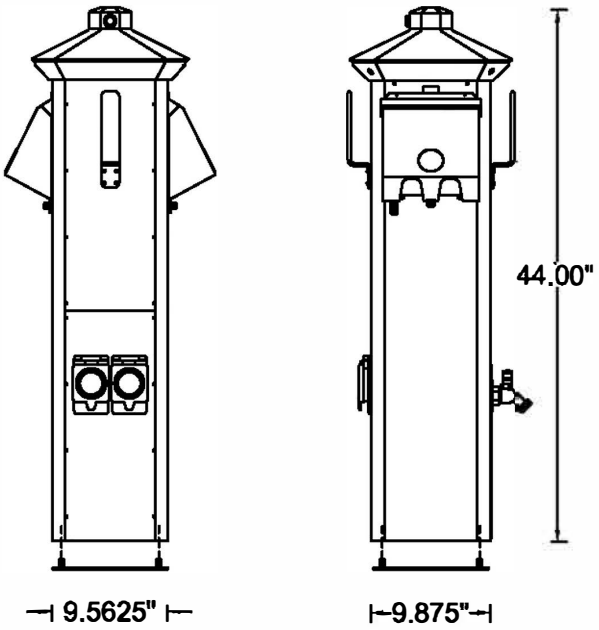
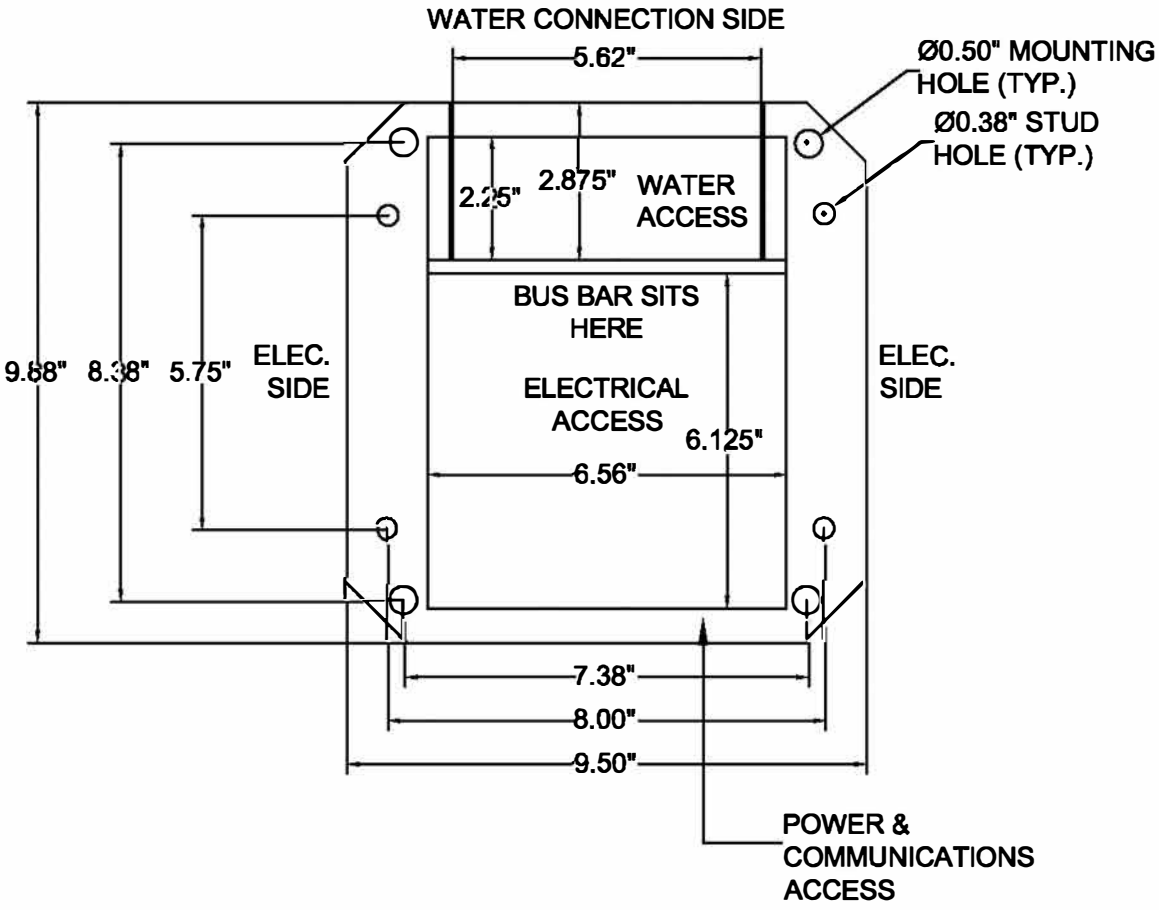
Dimensions



Base Dimensions



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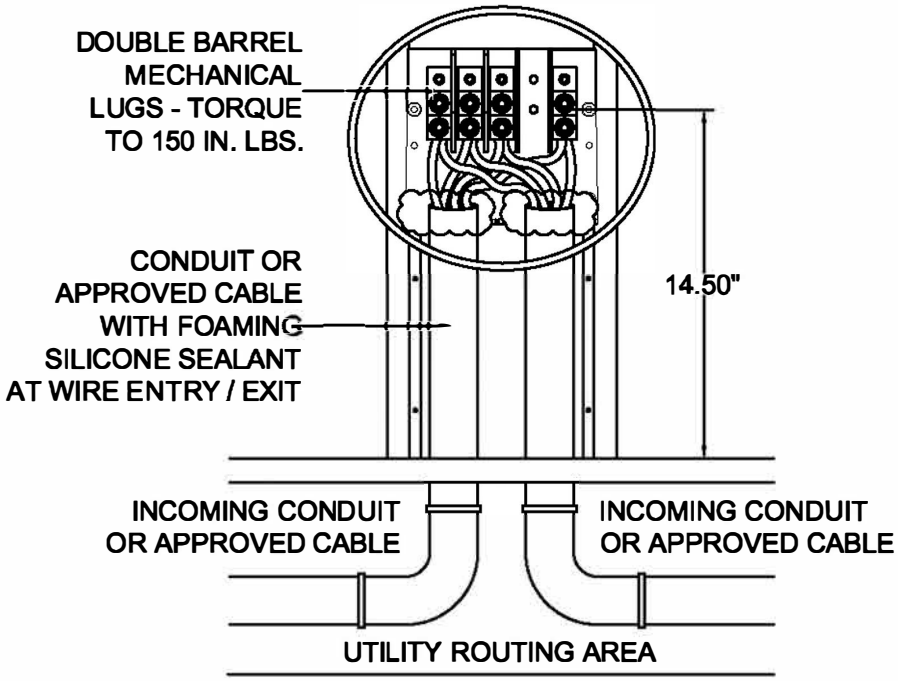
Wiring Diagram - Aluminum Mechanical Bus Bar

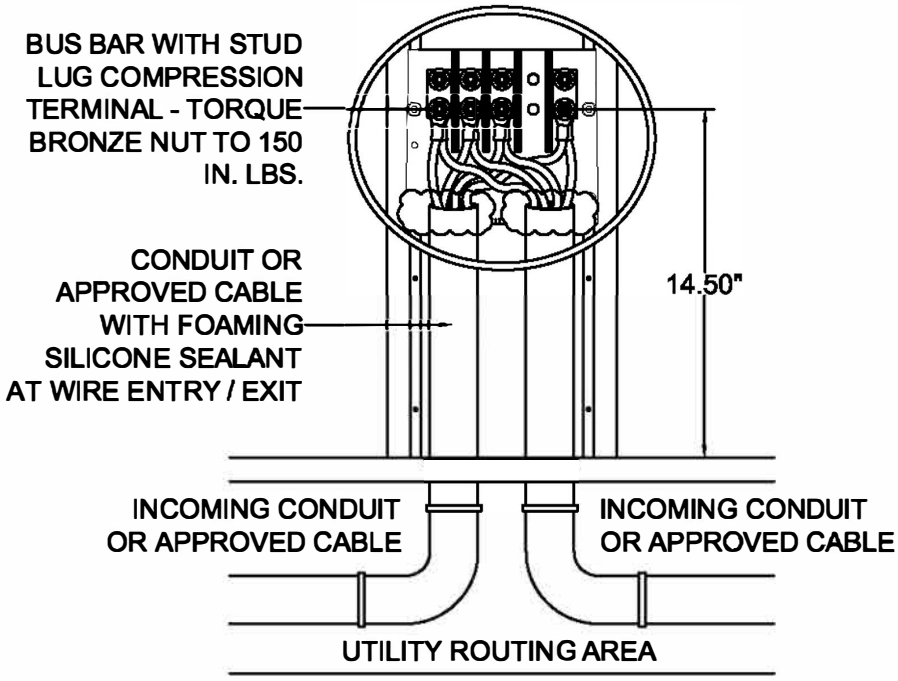
Wire Colors Per NEC		
Line 1	L1	Black
Neutral	N	White
Line 2	L2	Red
Line 3	L3	Blue
Ground	G	Green



Wiring Diagram - Stud Lug Bus Bar

Wire Colors Per NEC		
Line 1	L1	Black
Neutral	N	White
Line 2	L2	Red
Line 3	L3	Blue
Ground	G	Green

Compression Terminals (Not Included)
Contractor needs to terminals to line wires and place on provided stud lug connector.



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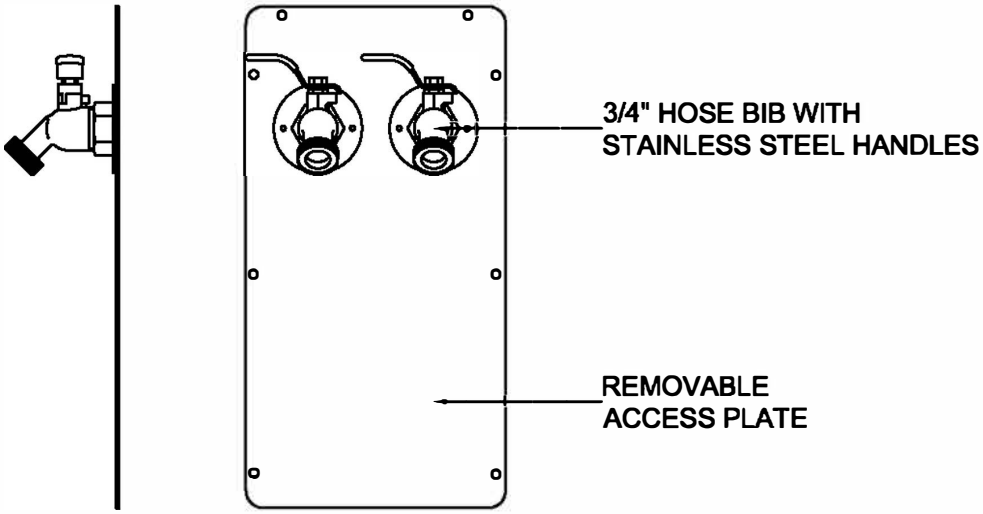
Water Assembly



Communications

COMMUNICATION ASSEMBLIES
INCLUDE ISOLATION BOXES
FOR INTERNAL CONNECTIONS

CONNECTIONS AVAILABLE:

- MARINE TWIST-LOCK TELEPHONE
- RJ-12 CAT3 TELEPHONE JACK (HOUSEHOLD PHONE)
- RJ-45 CAT5 HIGH-SPEED INTERNET JACK
- COAX CABLE TV FCF FEMALE CONNECTION
- OTHER CONNECTIONS AVAILABLE UPON REQUEST