

PowerPost® EVSE Dual and Quad Post System Installation Manual

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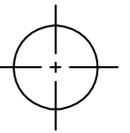
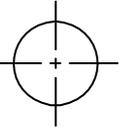
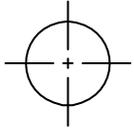
Contents

Tools & Materials Required for Installation.....	1
Installation Template.....	2
Electrical Requirements.....	4
Mechanical Requirements.....	5
Installation Procedure.....	7

IMPORTANT SAFETY INSTRUCTIONS – PLEASE READ INSTALLATION MANUAL FOR SPECIFIC POWERPOST® EVSE MODEL BEING INSTALLED

Tools & Materials Required for Installation

- / #4 Security Hex Bit (supplied with unit)
- / #2 Flat Head Screwdriver
- / Bubble Level or Equivalent
- / Wire Stripper 10-12 AWG
- / Crescent Wrench
- / 3/8" Socket and Wrench
- / Torque Wrench
- / 3/8" Concrete Drill Bit
- / Drill



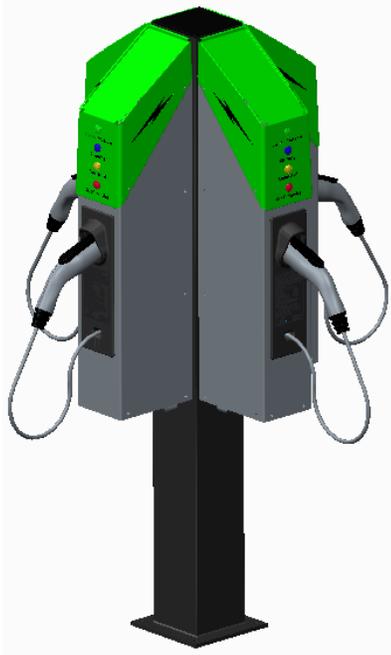


Figure 1: Configuration A



Figure 2: Configuration B



Figure 3: Configuration C

Electrical Requirements Configuration A

- / Four separate electrical supply runs are required, one for each PowerPost EVSE unit.
- / Circuit Protection: See PowerPost EVSE installation manual.
Note: Requirements may vary per PowerPost EVSE model.
- / Conduit/Cable Penetration: Electrical supply cables enter from the bottom of the unit.
- / Supply wire size: 12 AWG min (75°C copper wire).
- / Free cable length: 52 inches minimum length beyond end of conduit.

Electrical Requirements Configurations B and C

- / Two separate electrical supply runs are required, one for each PowerPost EVSE unit.
- / Circuit Protection: See PowerPost EVSE installation manual.
Note: Requirements may vary per PowerPost EVSE model.
- / Conduit/Cable Penetration: Electrical supply cables enter from the bottom of the unit.
- / Supply wire size: 12 AWG min (75°C copper wire).
- / Free cable length: 52 inches minimum length beyond end of conduit.

Mechanical Requirements

- ✓ Use Installation template provided on page 2.
- ✓ Four Hilti KB3 3/8" x 3-3/4" LT SS304 torqued to 20 ft-lb. (See Figure 4 for spacing)
- ✓ Concrete that can support pressure loads of 2000 PSI or more.

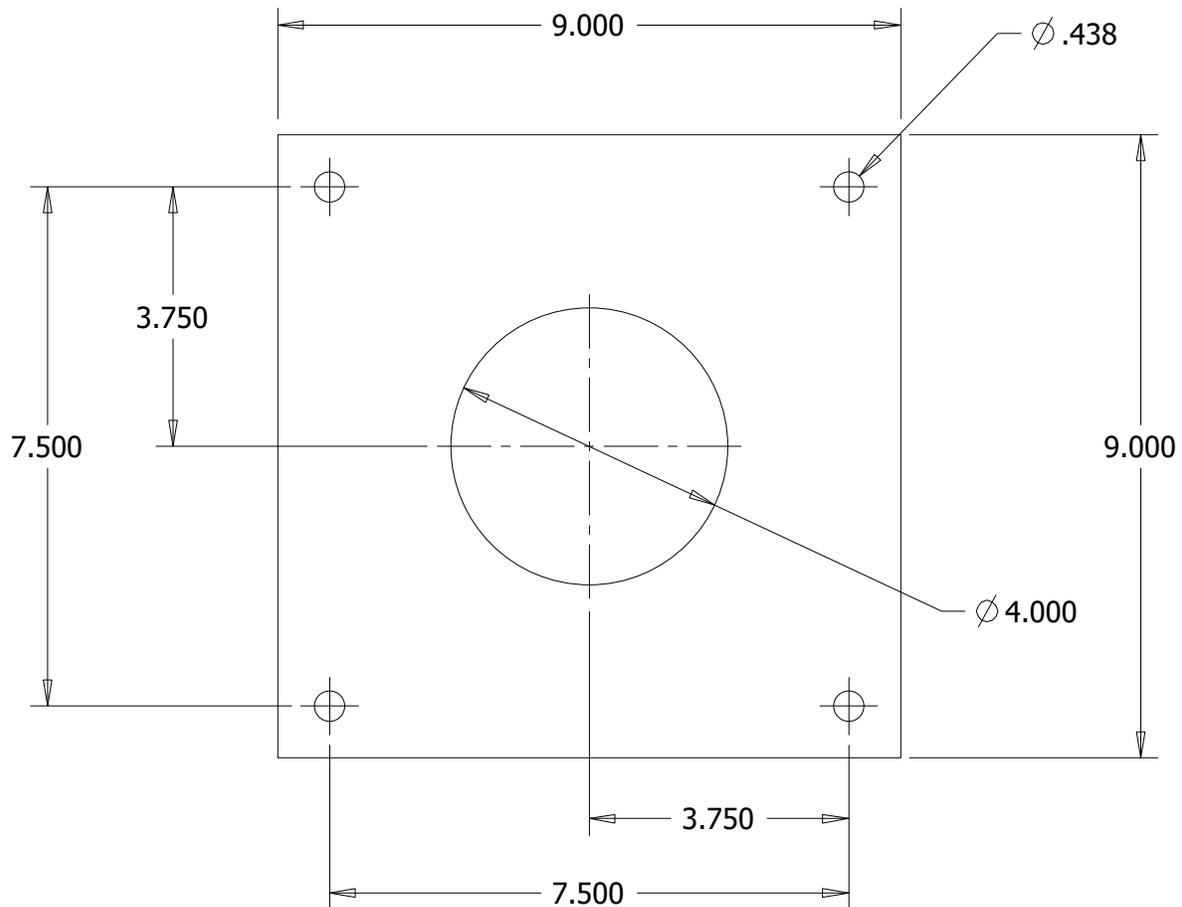
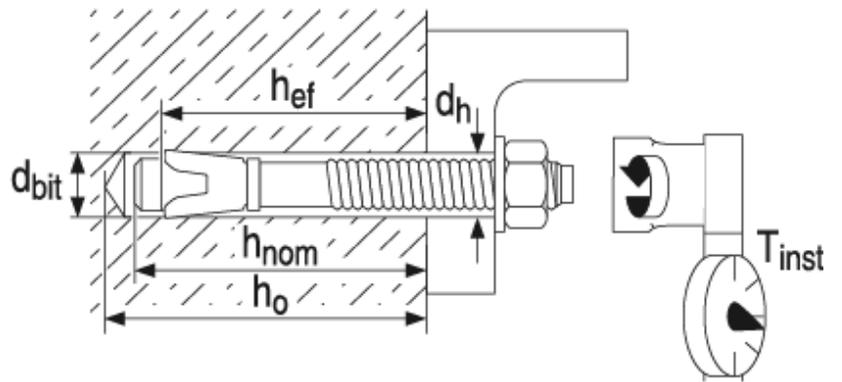
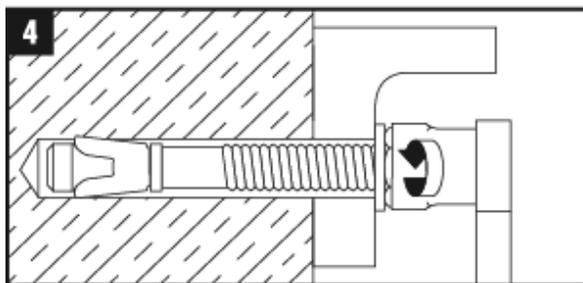
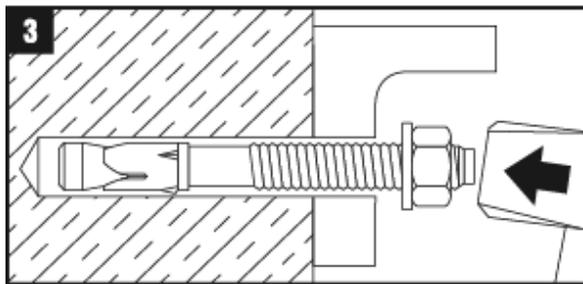
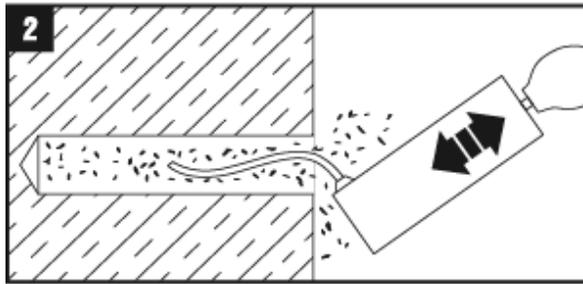
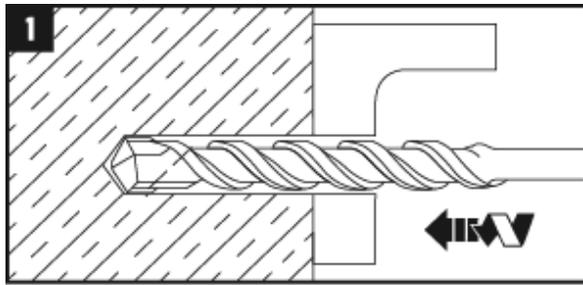


Figure 4: Hole Spacing for Base Plate



anchor o.d. [in.]	3/8
d _{bit}	[in] 3/8
min. h _o	[in] 2-5/8
min. h _{nom}	[in] 2-5/16
min. h _{ef}	[in] 2
T _{inst}	[ft-lb] 20
d _h	[in] 7/16
wrench size	[in] 9/16

Use only carbide-tipped masonry drill bits complying with ANSI B212.15-1994

Figure 5: Installation Hardware Information

Installation Procedure

1. Ensure that supply power to the install location is interrupted and properly locked out.
2. Install mounting hardware for post in concrete using supplied Installation Template and information provided in Figure 5. Tools required are listed in Tools & Materials Required for Installation.
3. Remove hole plugs from the locations where PowerPost EVSE units will be installed. Leave hole plugs in place where no PowerPost EVSE units will be installed. Install supplied conduit fittings into the appropriate locations for PowerPost EVSE units.
 - A. Install ½" Conduit Nipple RN50C into post 918-010 in the appropriate locations. See Figure 6.

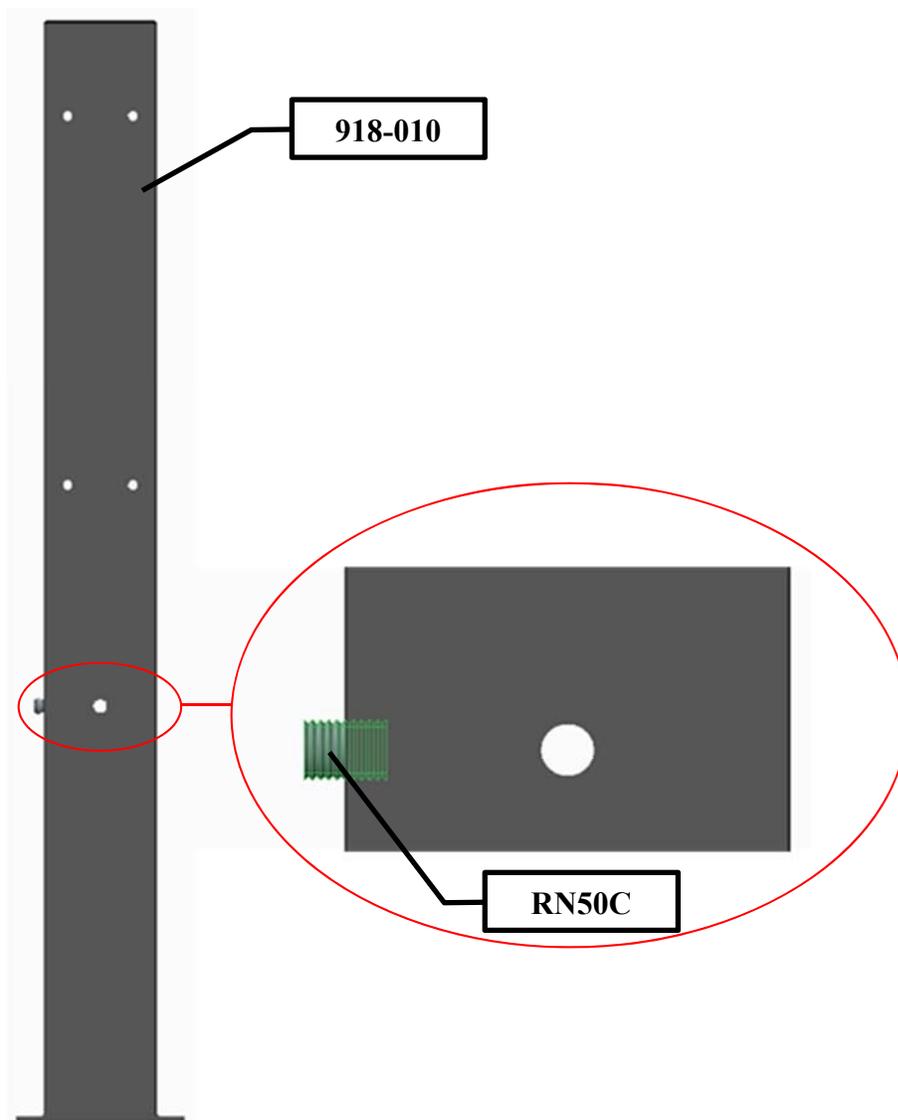


Figure 6: Installation of Conduit Nipple

- B. Install 1/2" Conduit Elbow PE-50 onto 1/2" Conduit Nipple RN50C in the appropriate locations. See Figure 7.

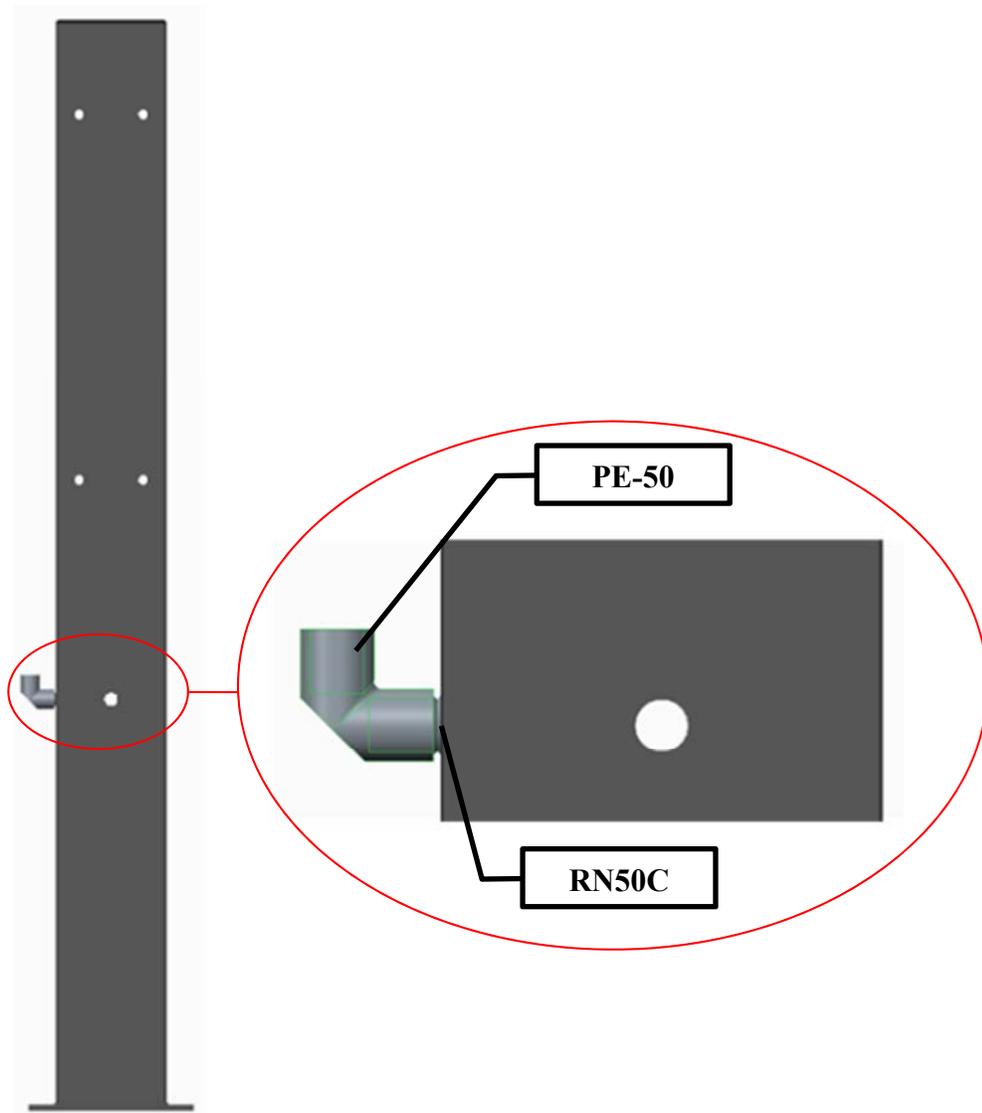


Figure 7: Installation of Conduit Elbow

- C. Install 1/2" Conduit Nipple RN50C into 1/2" Conduit Elbow PE-50 in the appropriate locations. See Figure 8.

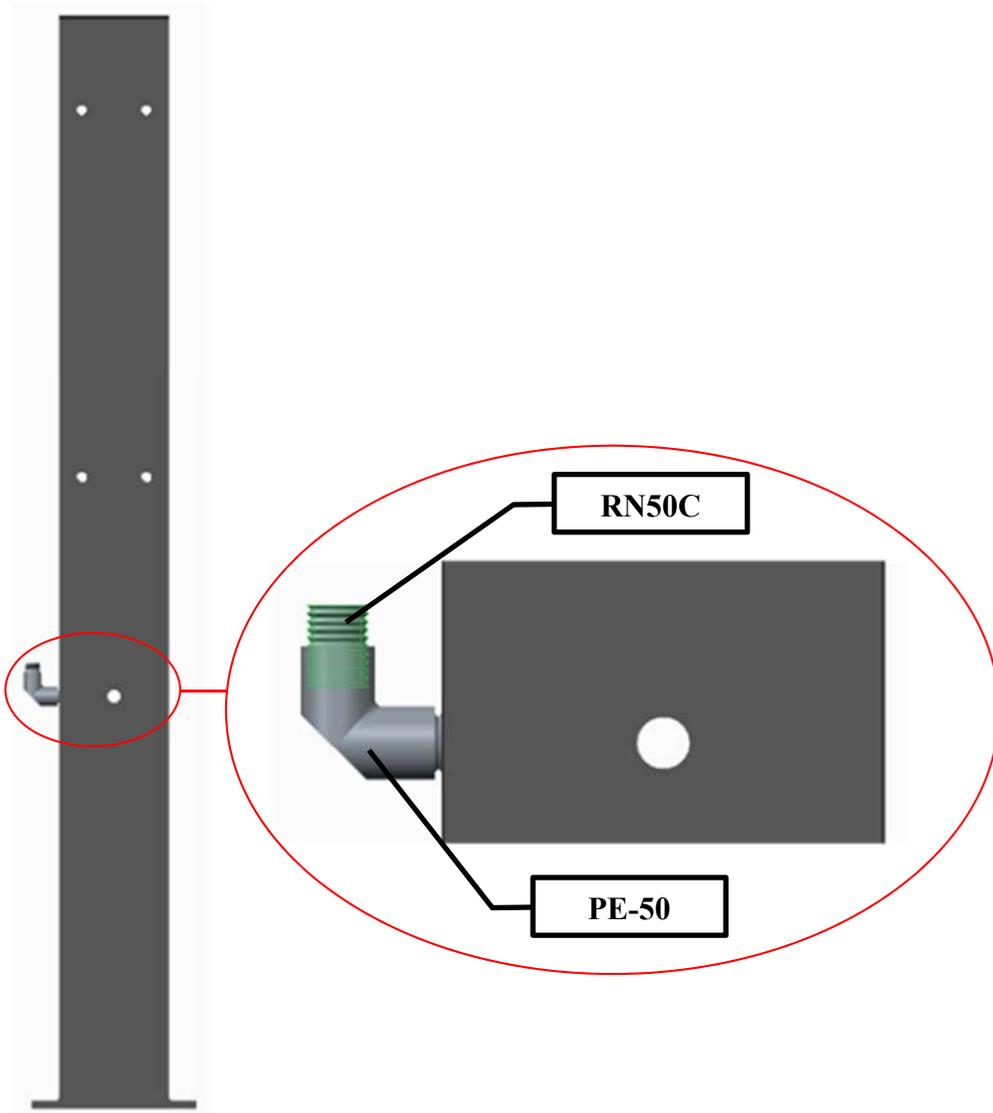


Figure 8: Installation of Second Conduit Nipple

D. Install Reducing Washer RW-7550 onto ½” Conduit Nipple RN50C in the appropriate locations. See Figure 9.

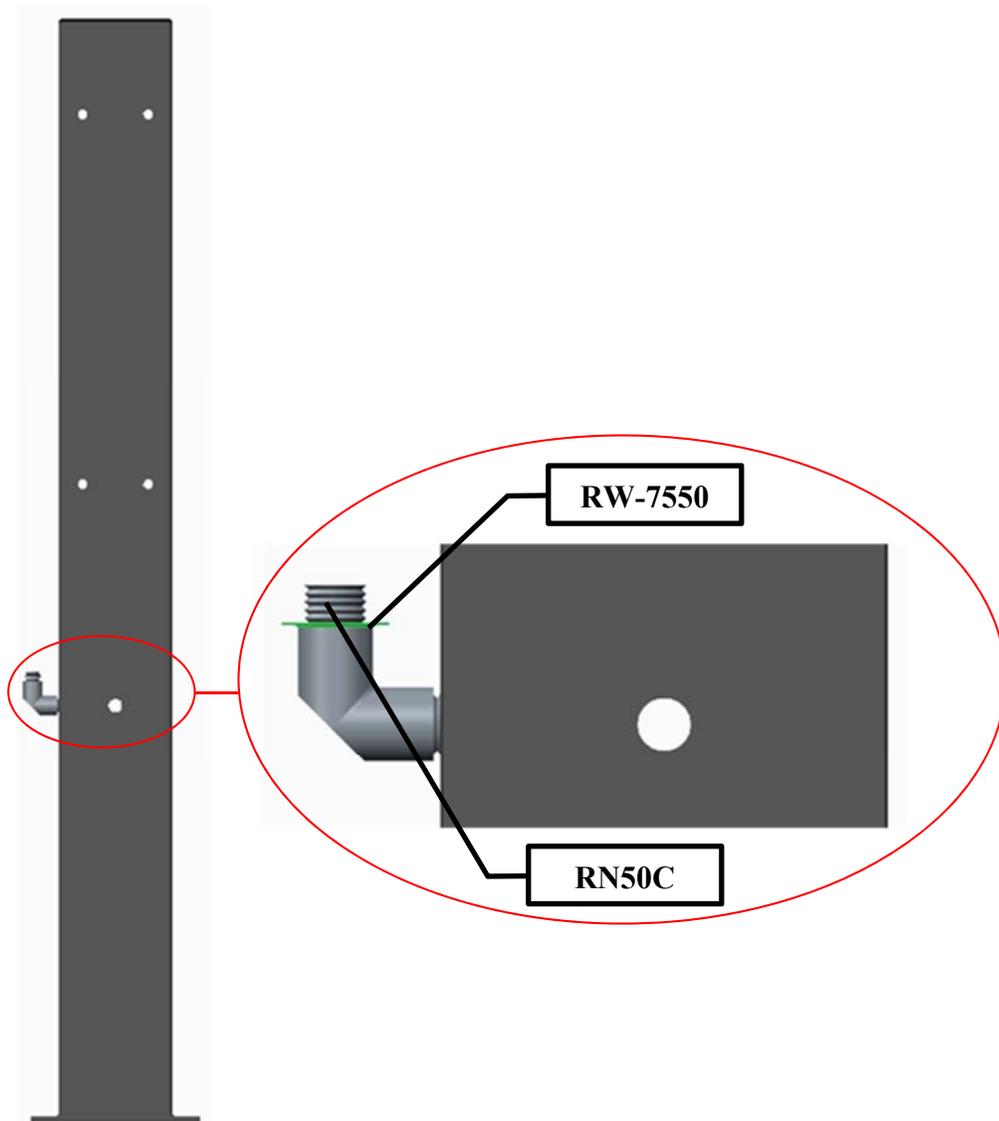


Figure 9: Installation of Reducing Washer

- E. Run electrical wire through post and fittings in the appropriate locations. See PowerPost EVSE Installation manual for recommended wire gauge. See Figure 10.

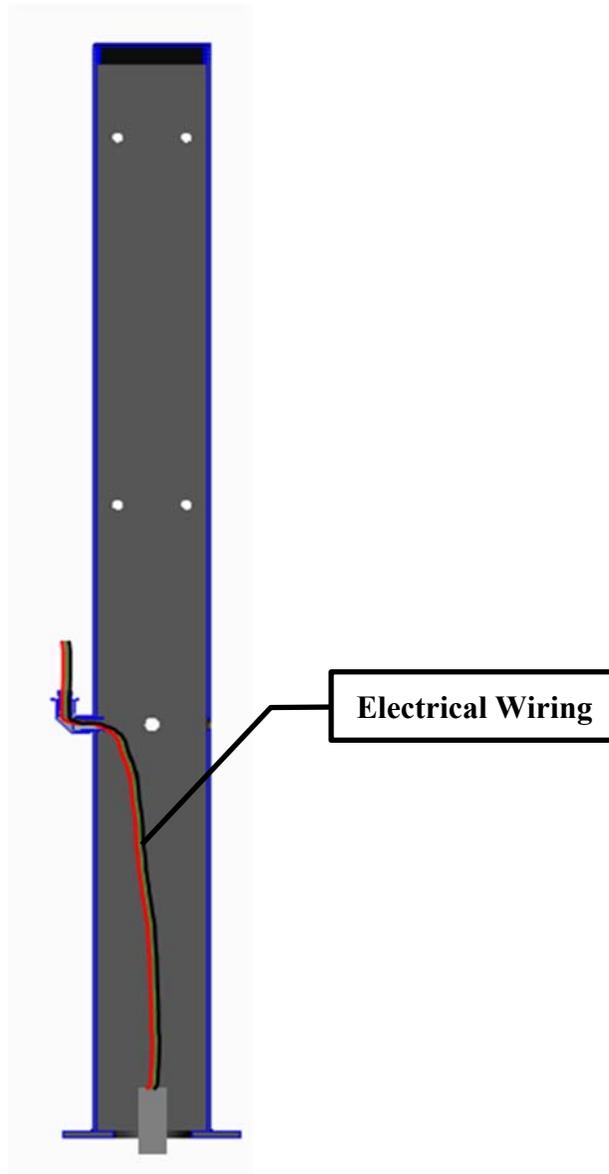


Figure 10: Cable Routing Thru Post

- F. Install post onto concrete anchors (Reference Step 2 in the Installation Procedure section).
- G. See PowerPost EVSE Installation manual for disassembly instructions for the PowerPost EVSE unit.
- H. Install PowerPost EVSE onto ½" Conduit Nipple RN50C. Ensure that Reducing Washer RW-7550 is still in place. See Figure 11.

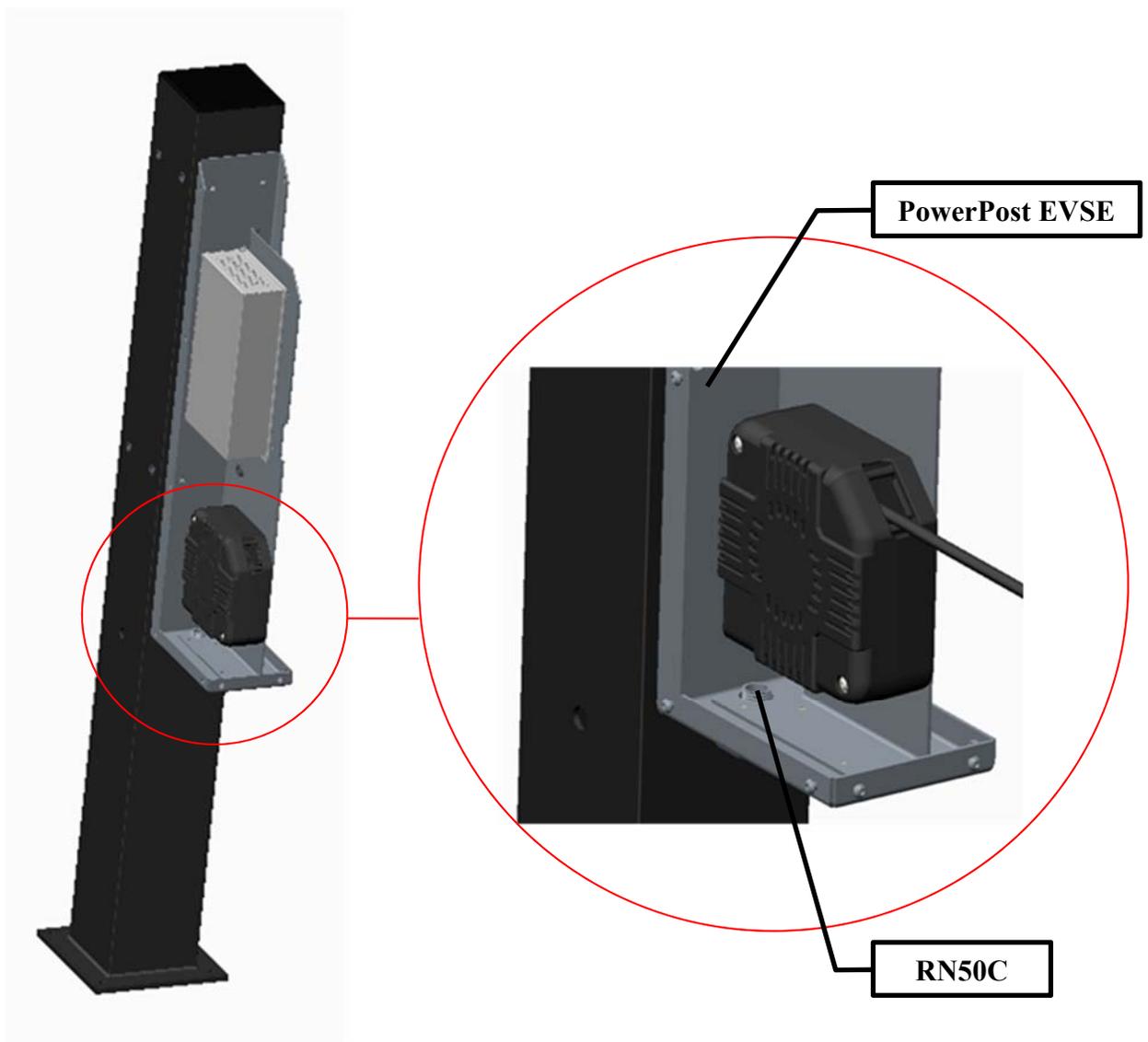


Figure 11: Installation of PowerPost EVSE onto Conduit

- I. Secure PowerPost EVSE to Post 918-010 using (4) Hex Head Bolts 908-841, torque to 20 ft-lb. See Figure 12.

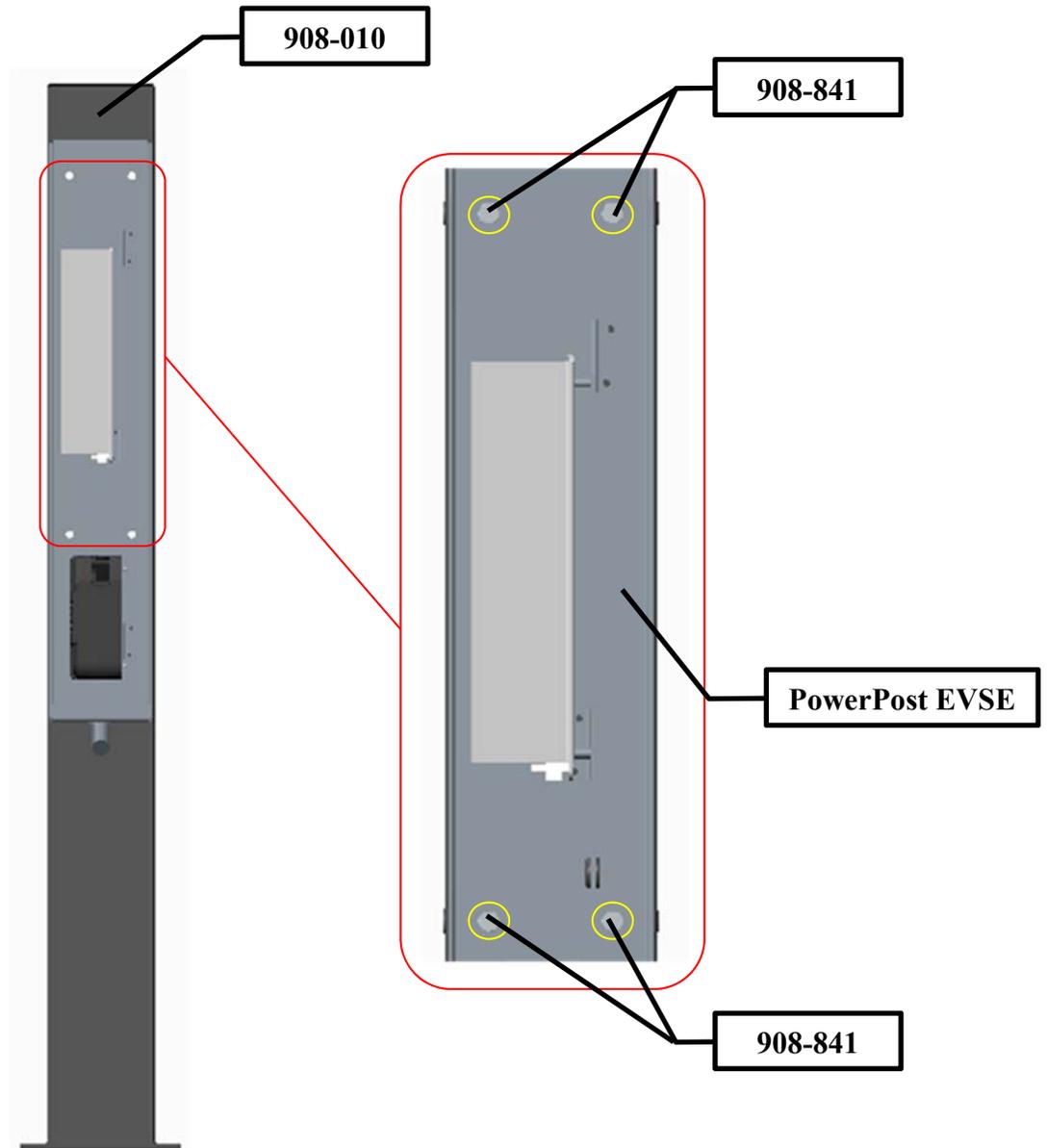


Figure 12: Installation of Mounting Hardware

- J. Install ½" Conduit Locknut LN-50 onto ½" Conduit Nipple RN50C and tighten until secure. See Figure 13.

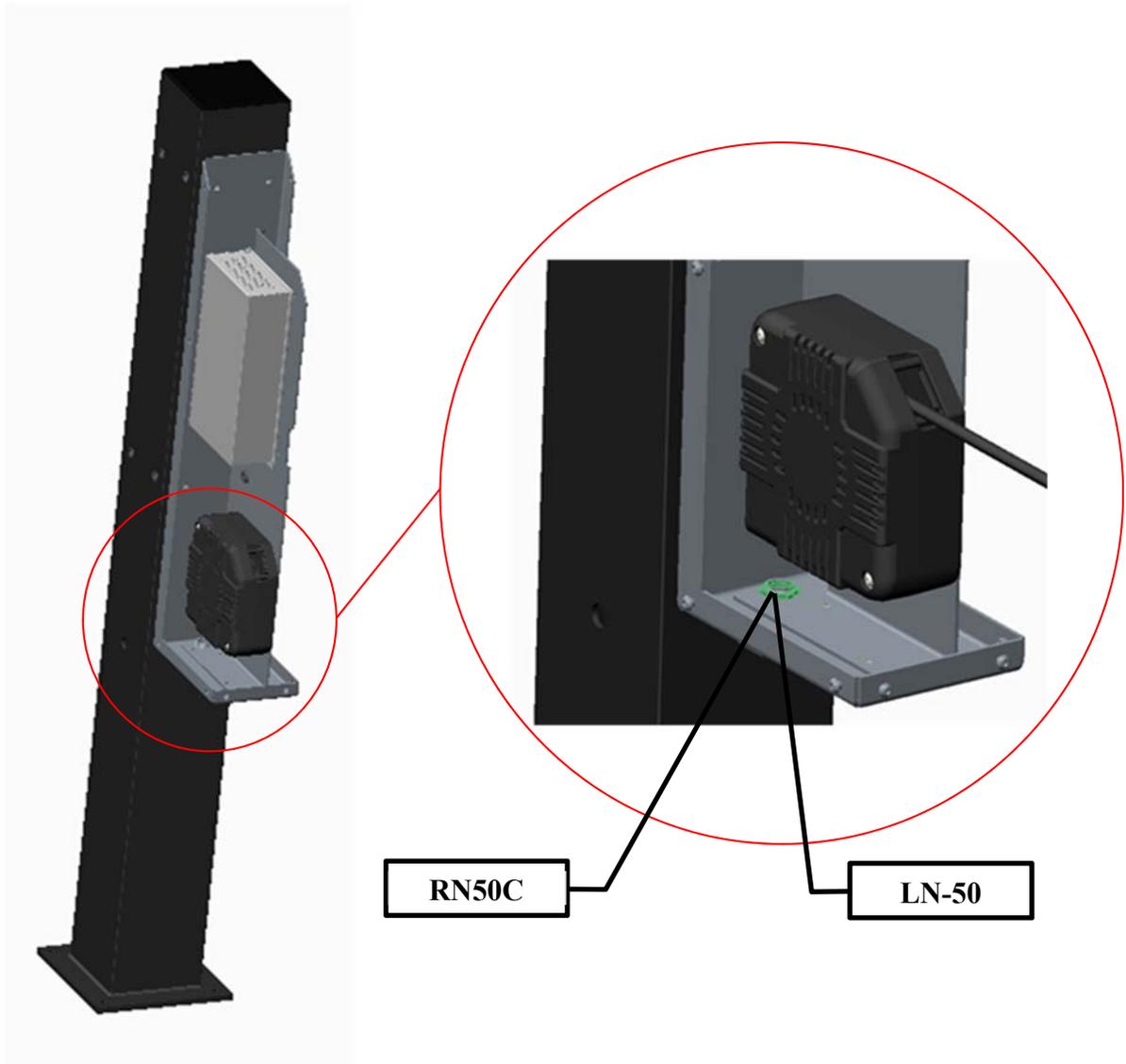


Figure 13: Installation of Conduit Locknut

- K. See PowerPost EVSE Installation Manual for electrical connections and assembly instructions for the PowerPost EVSE unit.