

EVPS & EVPD Pedestal Bases

INSTALLATION INSTRUCTIONS

RAB[®]

Single-sided Concrete Base Requirements

The built concrete pad should be compliant with local regulatory requirements. The following dimensions and construction related descriptions are the minimum requirements.

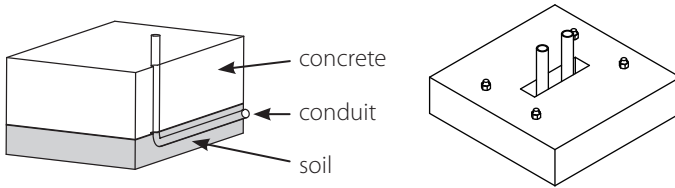
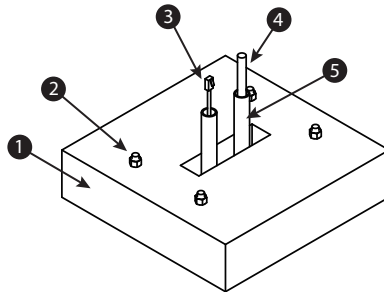


Fig. 1a EVPS concrete pad schematic



No.	Qty.	Description	Notes
1	1	Concrete pad	Compressive strength > 3000 psi
2	4	Anchor bolt	M12 x 1.75 P x 100 mm
3	1	Ethernet cable	Length from concrete > 1500 mm
4	1	AC power cable	Length from concrete > 1500 mm
5	2	Cable conduit	Length from concrete > 200 mm; Suggested conduit for charging current: 32A use 1/2", 48A use 3/4"

Fig. 2a EVPS concrete base details

- First build concrete pad for the pedestal. The compressive strength must be over 3000 psi. See Reference picture is shown as Fig. 1a & Fig. 2a. Concrete pad dimensions (400 mm W x 400 mm L x 500 mm H) are shown in Fig. 3.
- Please mount 4 pieces of M12x1.75 anchor bolts on the concrete pad based on the dimensions below. The height of the bolt should be at least 20 mm above the concrete pad and depth of bolt is at least 90 mm.

Dual-sided Concrete Base Requirements

The built concrete pad should be compliant with local regulatory requirements. The following dimensions and construction related descriptions are the minimum requirements.

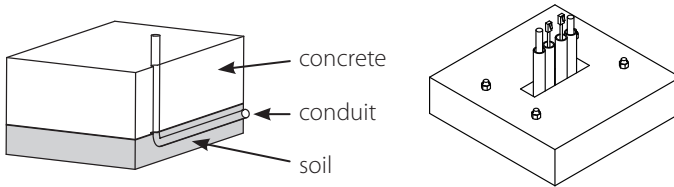
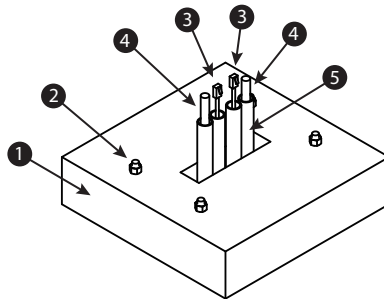


Fig. 1b EVPD concrete pad schematic



No.	Qty.	Description	Notes
1	1	Concrete pad	Compressive strength > 3000 psi
2	4	Anchor bolt	M12 x 1.75 P x 100 mm
3	1	Ethernet cable	Length from concrete > 1500 mm
4	1	AC power cable	Length from concrete > 1500 mm
5	4	Cable conduit	Length from concrete > 200 mm; Suggested conduit for charging current: 32A use 1/2", 48A use 3/4"

Fig. 2b EVPD concrete base details

- First build concrete pad for the pedestal. The compressive strength must be over 3000 psi. See Reference picture is shown as Fig. 1b & Fig. 2b. Concrete pad dimensions (400 mm W x 400 mm L x 500 mm H) are shown in Fig. 3.
- Please mount 4 pieces of M12x1.75 anchor bolts on the concrete pad based on the dimensions below. The height of the bolt should be at least 20 mm above the concrete pad and depth of bolt is at least 90 mm.

Concrete Pad Dimensions

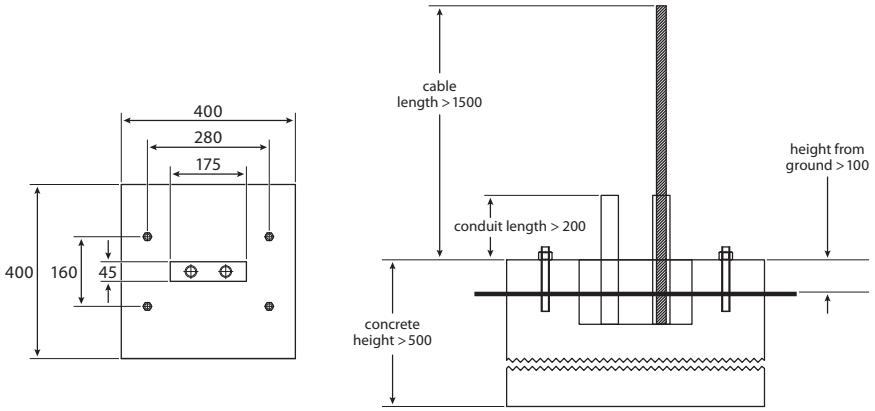
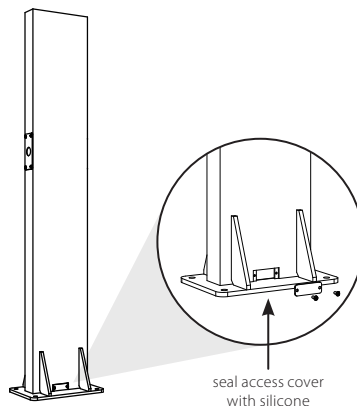


Fig. 3 Concrete pad dimensions (units in millimeters)

- The conduit must be over 200 mm to avoid liquid entering.
- Be sure lengths of AC power cable and Ethernet (LAN) cable are long enough (1500 mm) to reach through the pedestal body and into the EVC48 charger.
- Follow instructions for the AC charging station on the rack.
- After the AC and LAN cable work is finished, the conduit should be protected by silicone sealant to ensure water, dust and bug resistance.



Note: If using side entry seal with silicone after completion.

Pedestal Installation

- 1 The pedestal base has 4 holes to align the anchor bolts. Tighten nuts > 400 kgf-cm torque.

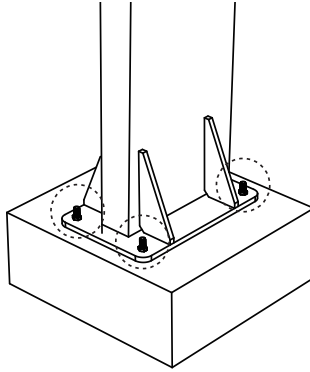


Fig. 4 Pedestal anchor bolts

- 2 The AC cable and LAN cable go through the holes off the pedestal body, shown as follows:

AH

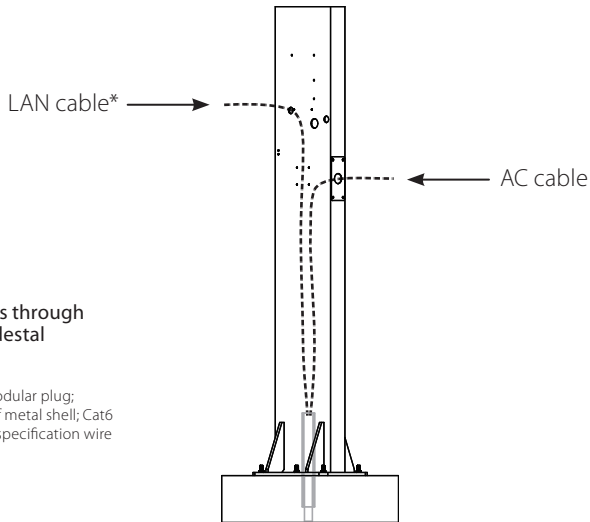


Fig. 5 Cables through holes in pedestal

*RJ-45 8P8C modular plug;
crystal head of metal shell; Cat6
STP or higher specification wire

Pedestal Installation *(cont'd)*

AW

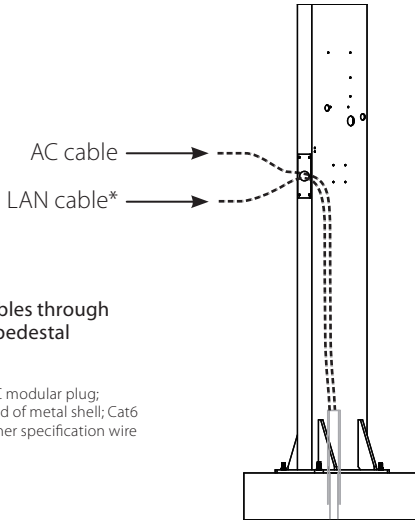


Fig. 6 Cables through holes in pedestal

* RJ-45 8P8C modular plug; crystal head of metal shell; Cat6 STP or higher specification wire

AX Option 1: Through side

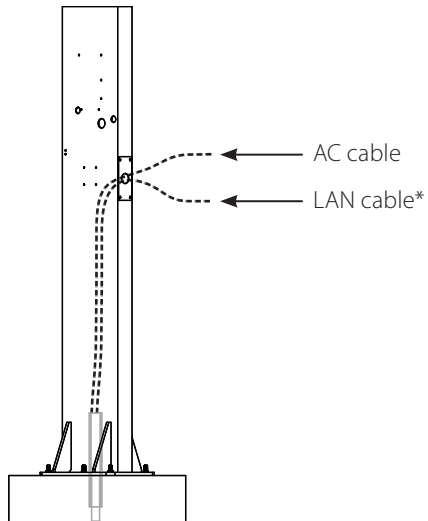


Fig. 7 Cables through holes in pedestal

* RJ-45 8P8C modular plug; crystal head of metal shell; Cat6 STP or higher specification wire

Pedestal Installation *(cont'd)*

AX Option 2: Through back

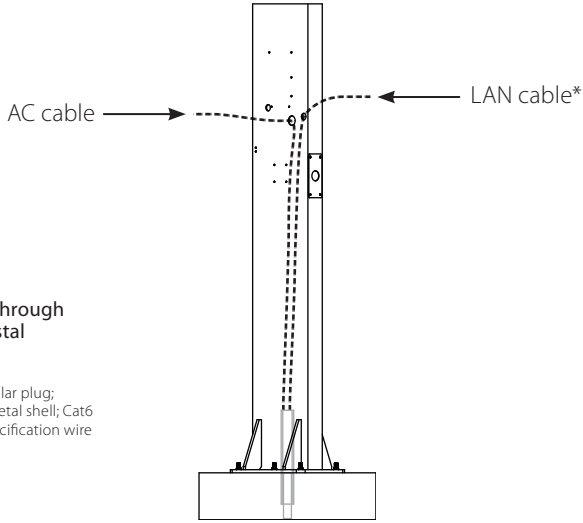
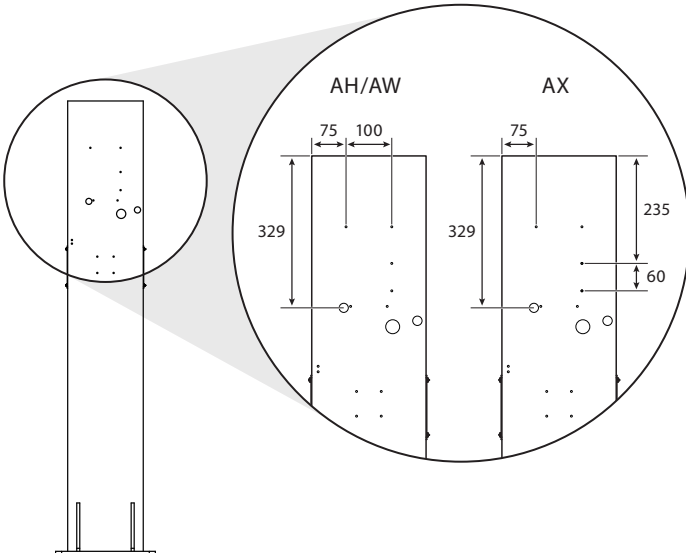


Fig. 8 Cables through holes in pedestal

*RJ-45 8P8C modular plug; crystal head of metal shell; Cat6 STP or higher specification wire

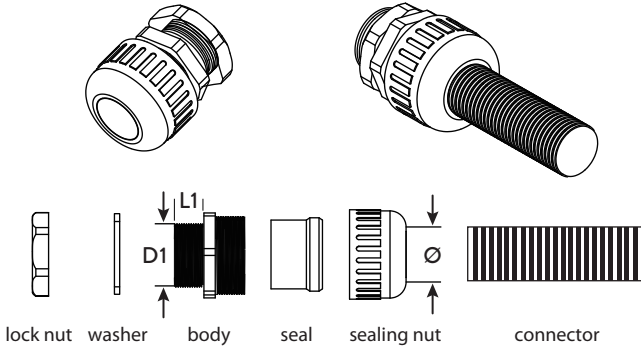
3 Final

The pedestal has four screw holes that can be used to fasten the bracket of EVSE, shown as follows (*units in millimeters*):



Pedestal Installation *(cont'd)*

- 4 If you want to use metal hoses you will need to supply two hose waterproof joints.



Item no. <i>(Black)</i>	Thread	Suit to RCCN conduit item # BG	Suit to RCCN conduit item # BG	Thread O.D. D1	Panel mounting hole	Thread length L1
BGQF-M25B <i>(BG-23)</i>	M25 × 1.5	BG-23	28.5	28.5	25-25.4	12

Metric thread BGQF-M

Technical Support:
(888) 728-4094

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