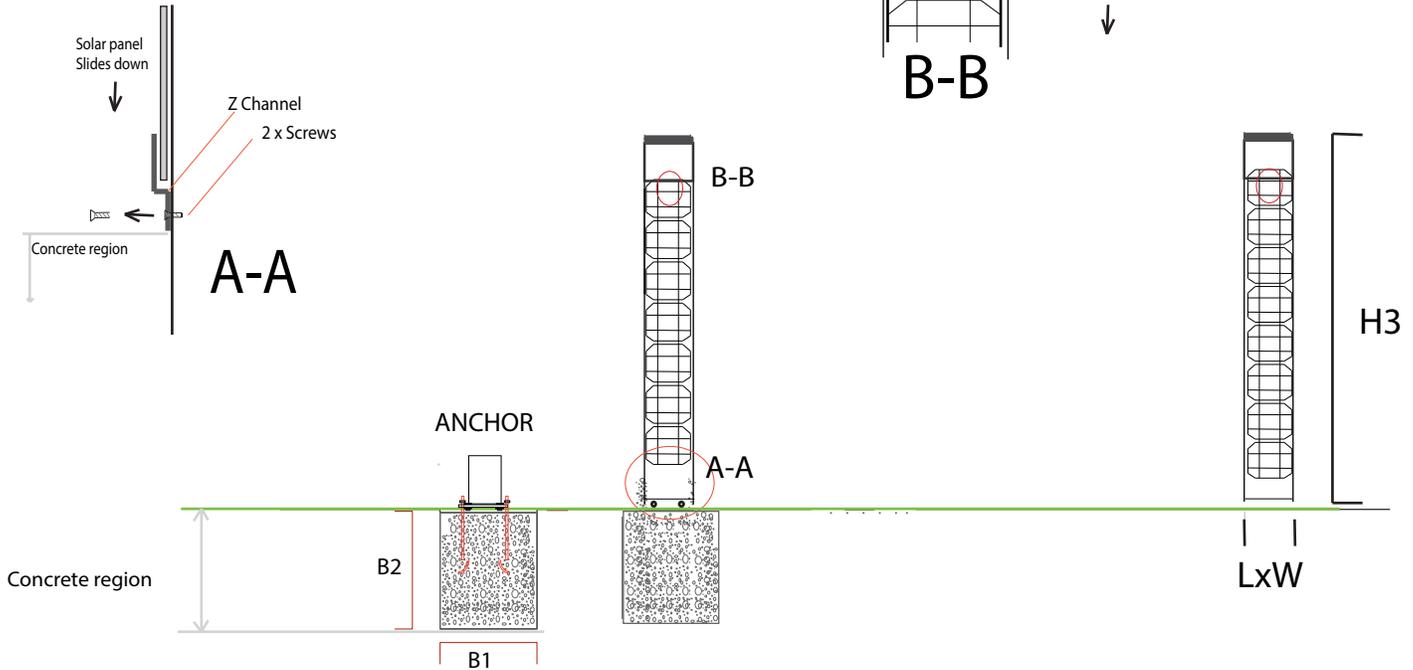
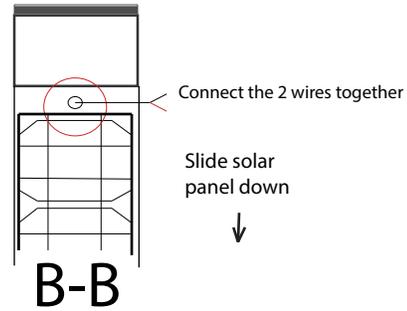


vERTAIC Bollard Anchor Base Installation

NOTES

To activate the bollard the head does not need to be removed- Simply Slide down the solar panel on the side which does not have and LEDs - See notes below (FIG B-B)
 The Z Channel with 2 x screws are removed on all 4 sides to gain access to anchor sleeve bolt holes
 For maintenance and service remove the bollard head, remove 4 x Z channels and slide the solar panels down roughly 25mm (1") to reveal the luminaire head screws.
 This accesses all internal electronic components.



Foundation details- ANCHOR BASE

Model vPS-M10

B1=500mm (20.0")
 B2=600mm (24.0")

Model vPS-M15

B1=600mm (24.0")
 B2=1000mm (40.0")

Model vPS-M20

B1=600mm (24.0")
 B2=1200mm (48.0")

INSTALLATION DETAILS ANCHOR

1. Excavate hole as per geotechnical report and site specific foundation design (above sizes are indicative only and will vary depending on soil conditions)
2. Pour concrete and set anchor bolts to fit supplied template (wait for concrete to cure)
3. The anchor sleeve has 4 x M12 holes located on the vertical round sleeve.
4. Mount anchor sleeve to anchor bolts and level the sleeve vertically

INSTALLATION DETAILS BOLLARD

1. Remove Z channel at base of the front solar panel to activate the bollard (see fig B-B)
2. Connect the 2 wires (fig B-B) together to activate bollard with supplied connector, insert connector back inside the bollard and silicone hole
3. Remove all 4 PCS of Z channel so bollard can be mounted onto the anchor sleeve (see fig A-A)
4. You will see 1 x M16 holes on each side of the bollard pole- these holes line up with the anchor sleeve tapped holes
5. Hoist pole onto anchor sleeve (rotate pole so the single solar panel faces south)
6. Secure pole to the anchor sleeve using 4 x M12 screws that have a loctite coating (this is to stop vibration and will need heat to remove the bolts once they are set)
7. Slide solar panels back up and secure them with the 4 PCS of Z Channel. The bollard is now active

NOTES:

System needs to cycle so may not turn on the first night but will settle in the second night
 Geotechnical report needs to be carried out to determine foundation size. The above Concrete sizes are indicative only
 See vertaic bollard data sheet for pole L, W, H1,H2 and H3 details

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