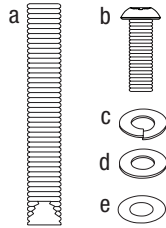
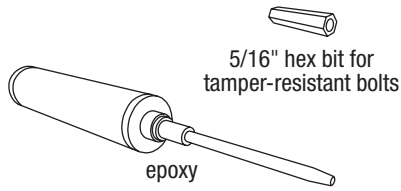


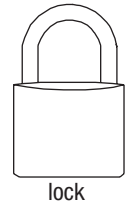
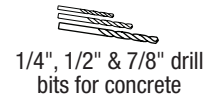
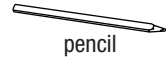
LIGHT COLUMN BOLLARD

REMOVABLE BASE INSTALLATION INSTRUCTIONS

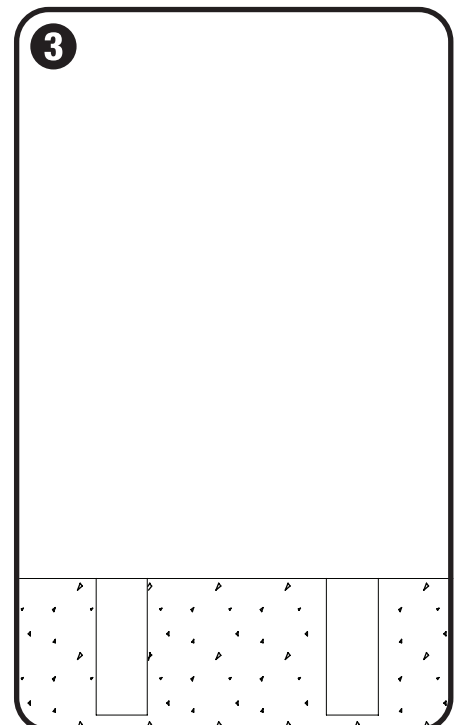
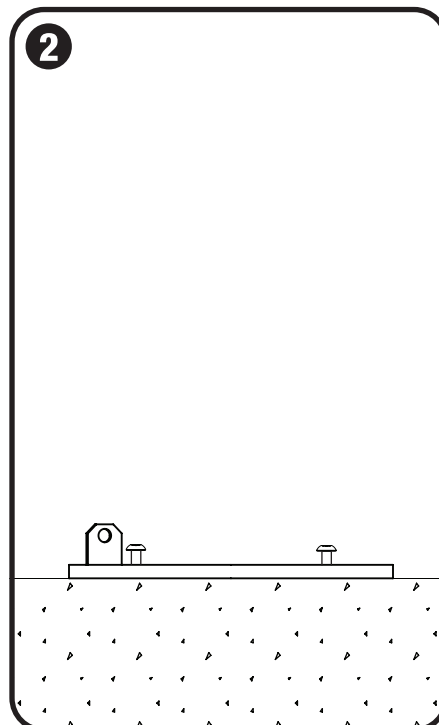
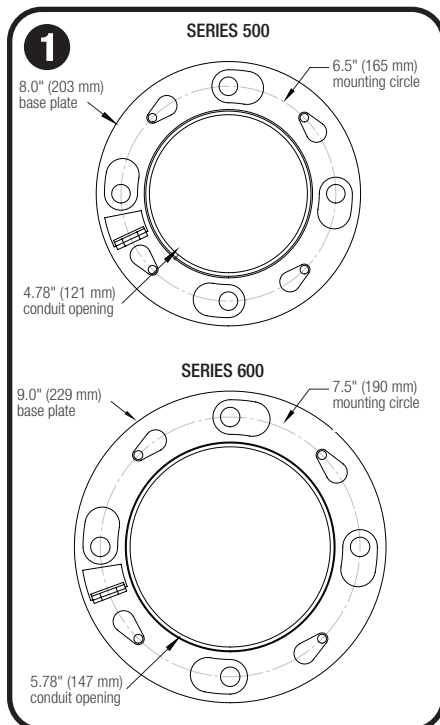
MOUNTING KIT (SOLD SEPARATELY)



TOOLS NEEDED



STEP BY STEP FOR ALL LIGHT COLUMN BOLLARDS WITH REMOVABLE BASES



Prepare the incoming power

- Before pouring concrete footer, run properly sized conduit and cabling to each fixture location according to local code requirements. Refer to figure above for dimensions for conduit entry envelope size and location on fixture.

Forms+Surfaces is not responsible for site preparation and footings.

Note: Conduit should not protrude more than 2" above mounting surface.

Mark hole locations

- Place bollard's base plate in desired bollard location. Mark center of each hole location with a pencil.

Drill holes

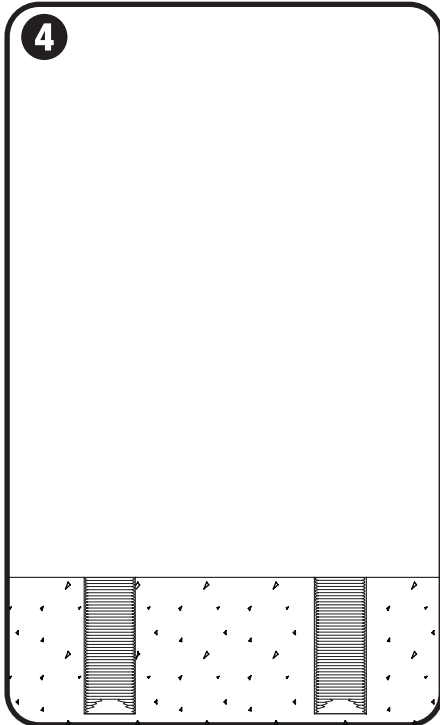
- Use hammer drill to drill 5" deep x 7/8" diameter anchor hole at each marked location using a 7/8" drill bit suitable for concrete drilling.

NOTE: Forms+Surfaces recommends starting holes with 1/4" diameter drill bit followed by 1/2" and finally 7/8" for maximum accuracy.

LIGHT COLUMN BOLLARD

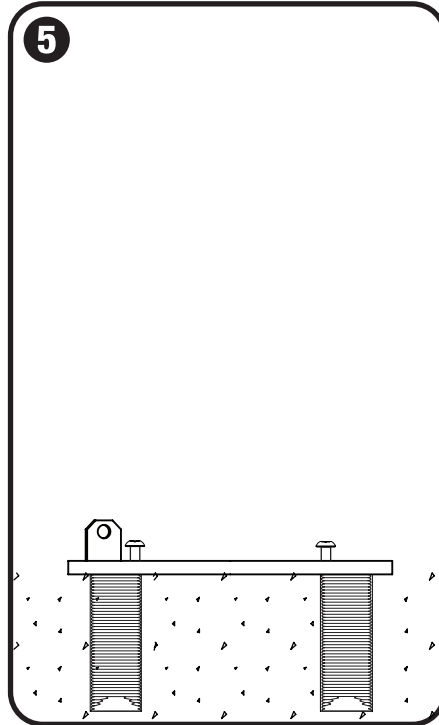
REMOVABLE BASE INSTALLATION INSTRUCTIONS

STEP BY STEP FOR ALL LIGHT COLUMN BOLLARDS WITH REMOVABLE BASES



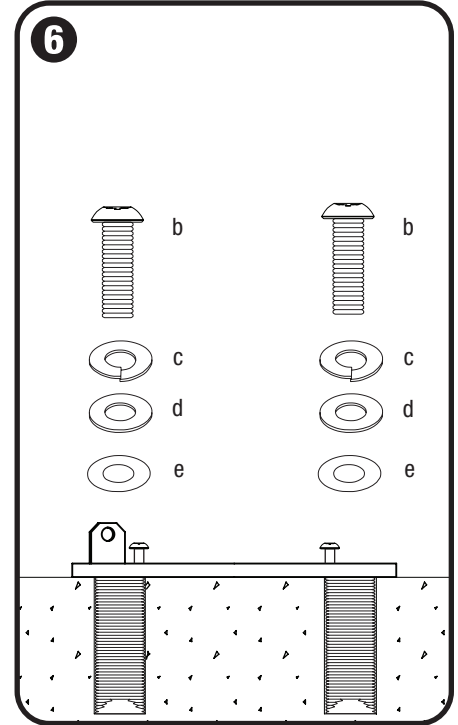
Fill holes & insert anchors

- Use compressed air and steel wire brush to clean each anchor hole in accordance with epoxy instructions.
- Use epoxy in epoxy gun to fill each anchor hole 5/8 of the hole depth in accordance with epoxy instructions.
- Insert 1/2"-13 x 5" epoxy anchor (a) into each anchor hole so anchor top is flush with ground. Allow proper curing time according to cure schedule on epoxy instructions before moving on to Step 7.



Position base plate

- Position base plate so that mounting holes line up with anchors.



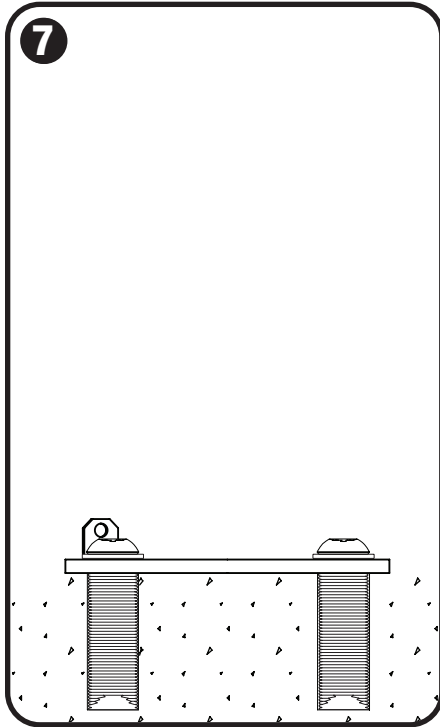
Attach base plate

- Slide 1/2" stainless steel lock washer (c), 1/2" stainless steel flat washer (d), and 1/2" nylon flat washer (e) onto each 1/2"-13 x 1-1/2" tamper-resistant button head cap bolt (b).
- Insert bolts into mounting holes in base plate and thread into anchors using 5/16" hex bit for tamper-resistant bolts.

LIGHT COLUMN BOLLARD

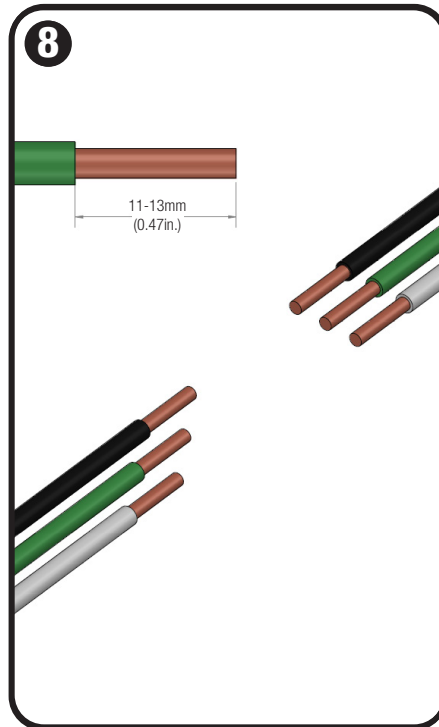
REMOVABLE BASE INSTALLATION INSTRUCTIONS

STEP BY STEP FOR ALL LIGHT COLUMN BOLLARDS WITH REMOVABLE BASES



Tighten bolts

- Tighten bolts until snug.



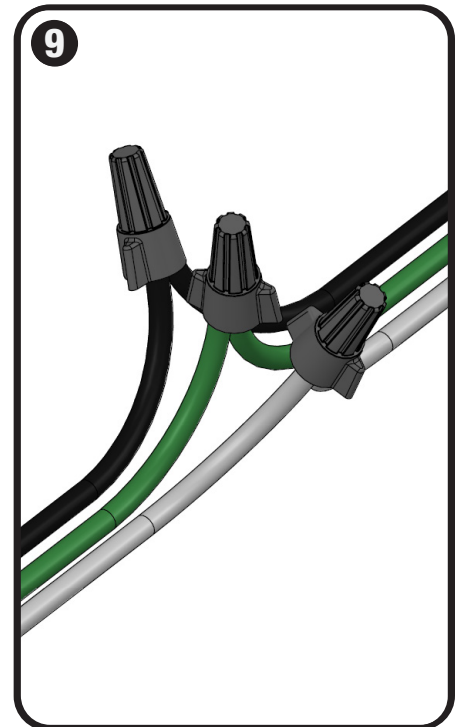
Locate & prepare wires

Note: Installation should be performed only by qualified individuals.

- Before proceeding with wiring of fixture, check to ensure that all applicable site wiring and safety codes have been followed.
- Locate wires at base of light fixture. Ensure power supply is shut off and circuit being used is isolated.
- Prepare wiring from site conduit and bollard by stripping and removing 11-13mm (.47") of insulation.

Note: Wire used should be 22-14 AWG copper conductors.

Caution: Installation of a surge protector as part of each unit's wiring is recommended.



Connect wires

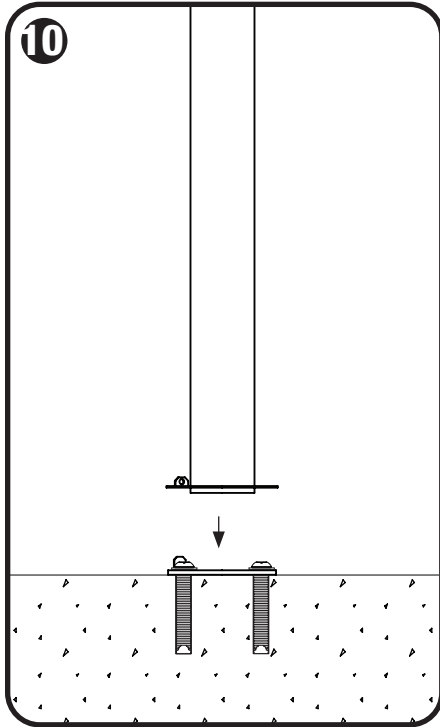
- Insert ground (green), neutral (white), and positive (black) wires into wire nuts, being sure to match wire color codes from conduit to fixture.
- Tighten wire nuts until exposed wire ends are below bottom of wire nut.
- Inspect all wiring and connections before turning power supply on.

Caution: Light fixture rated for 120-277 VAC power.

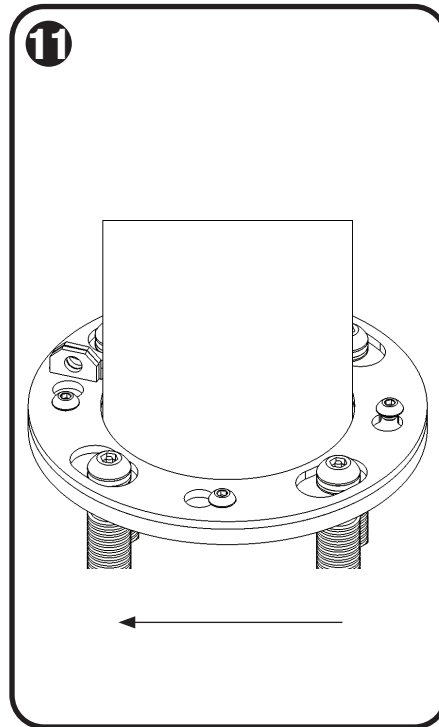
LIGHT COLUMN BOLLARD

REMOVABLE BASE INSTALLATION INSTRUCTIONS

STEP BY STEP FOR ALL LIGHT COLUMN BOLLARDS WITH REMOVABLE BASES



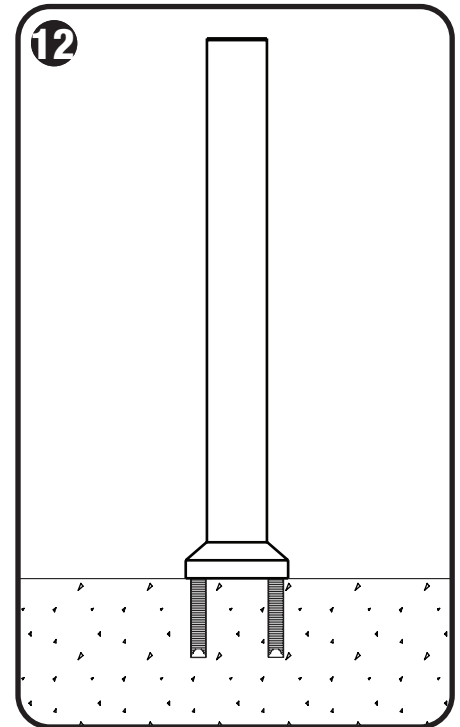
Slide bollard over base plate



Rotate bollard

- Engage bolts by turning the bollard clockwise.
- Put lock through hasp.

NOTE: Lock supplied by others.



Lower escutcheon cover over bollard

- Slide escutcheon cover over bollard and lower escutcheon cover to ground level.