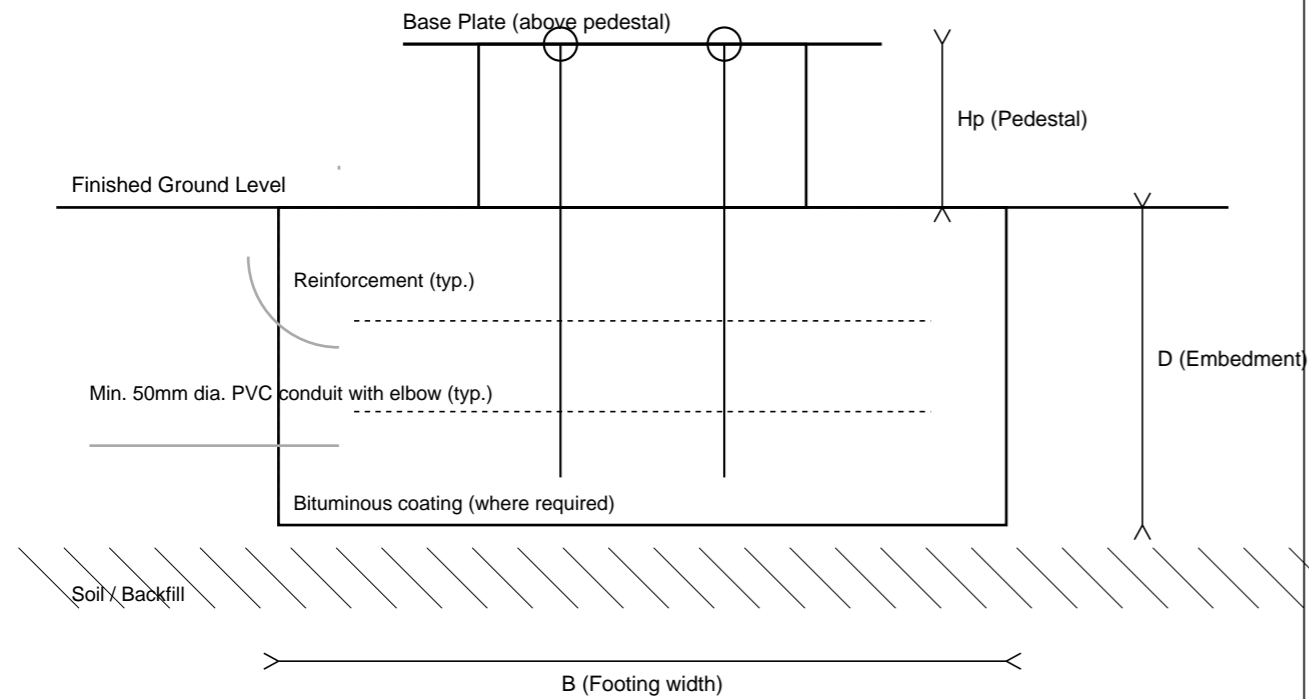


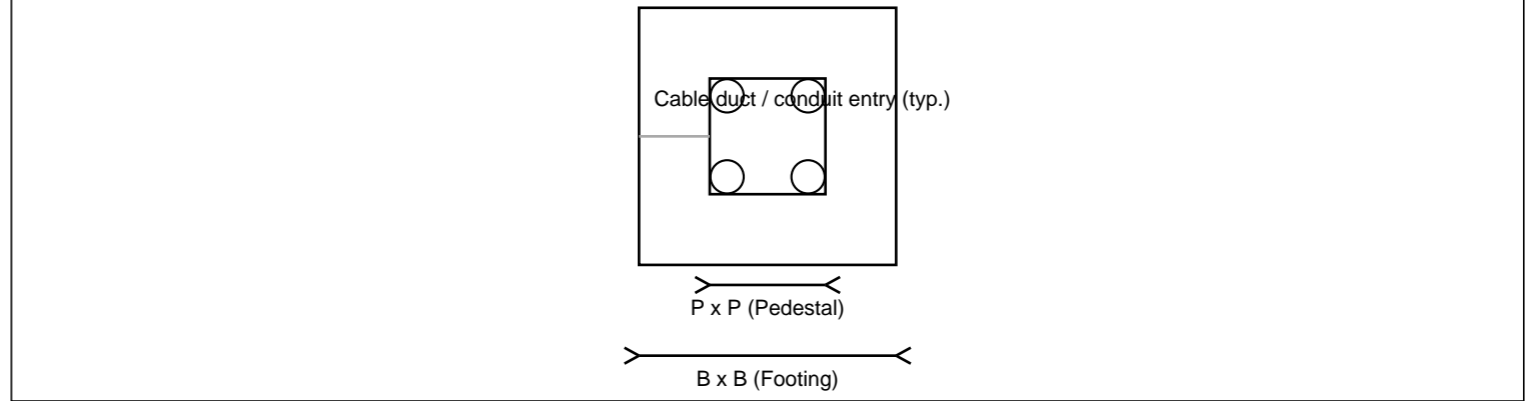
Typical Spread Footing Foundation - 8 to 12 m Lighting Columns

For concept / tender use. Final design to be verified by project-specific wind, geotechnical data, and consultant requirements.

SECTION A-A (TYP.)



PLAN (TYP.)



Pole height	Footing B (mm)	Embedment D (mm)	Pedestal P (mm)	Pedestal Hp (mm)	Anchor bolts (typ.)
8 m	900-1100	1200-1500	450-550	300-450	4 x M24
10 m	1000-1300	1400-1700	500-600	350-500	4 x M24/M30
12 m	1200-1500	1600-2000	550-650	400-600	4 x M30

GENERAL NOTES

Design basis (typ.): EN 1990, EN 1991-1-4 (Wind actions), EN 1992-1-1 (Concrete), EN 1992-4 (Anchors), EN 1997-1 (Geotechnical), BS EN 40-3-1 & BS EN 40-3-3 (Lighting columns). Use applicable National Annex for the project location.

Concrete: To BS EN 206. Minimum C30/37 recommended. For aggressive/saline soils, use C35/45 and Sulphate Resisting Cement (SRC) where required by the consultant/specification.

Durability: All buried concrete surfaces in contact with soil to be protected with 2 coats of bituminous paint in saline/aggressive soil conditions (or as specified).

Conduit: Provide minimum 50 mm diameter PVC conduit with elbow for cable entry (location to suit column hand-hole/cable route). Conduit shall be installed prior to casting; avoid post-drilling/breakout.

Reinforcement: Typical mats shown for indication only. Provide cover and detailing per EN 1992-1-1 and project exposure class.

Hot-dip galvanizing: Steel components (base plate / nuts / washers / anchor bolts if specified) to ISO 1461 / ASTM A123/A123M (or ISO 10684 / ASTM A153 for fasteners as applicable).

Anchor bolts: Grade and material and projection to meet column base-plate requirements and project specification (e.g., ISO 898-1 class 8.8 or ASTM F1554 where specified).

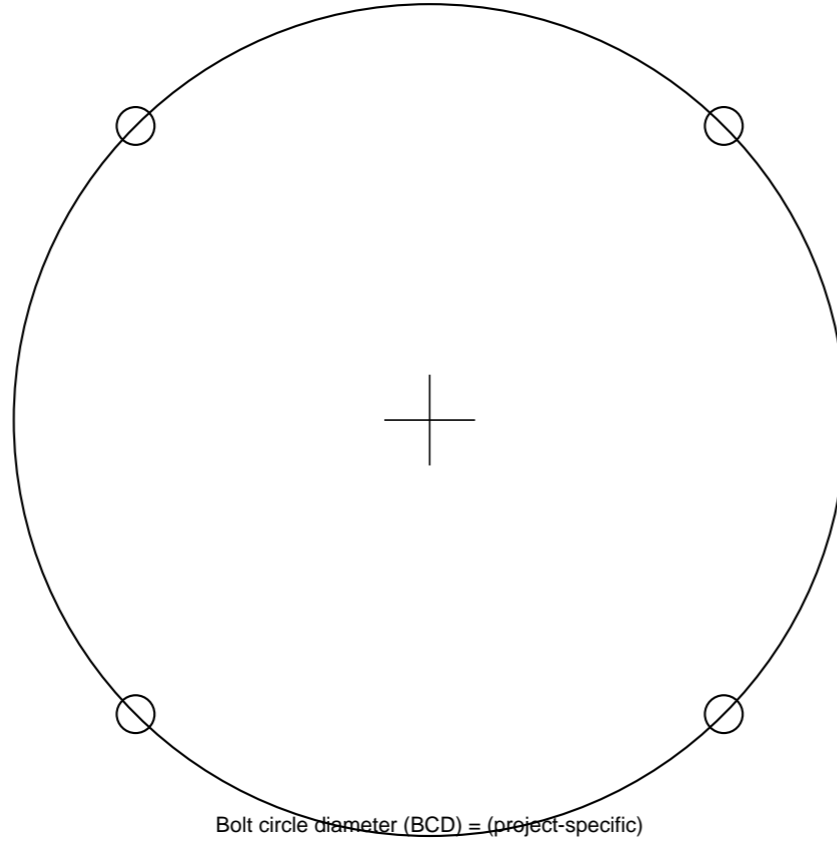
Set-out tolerances: Anchor bolts to be fixed using a rigid template; verify bolt circle,

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TITLE: Typical Spread Footing - 8-12m Poles	REV: B	
DRAWING NO: SL-FND-STD-001 DATE: 2026-01-05	SCALE: NTS SHEET: 1/2	

Anchor Bolt Setting-Out Template (Typical 4-Bolt Pattern)

Template to be adjusted to match the actual column base plate / bolt circle. Use rigid steel/plywood jig on site.

SETTING-OUT (TOP VIEW)



Bolt No.	X (mm)	Y (mm)
1	-a	-a
2	+a	-a
3	+a	+a
4	-a	+a

SITE INSTALLATION NOTES

$a = \text{BCD} / (2 \cdot \sqrt{2})$ for a 4-bolt square pattern on a 45-degree rotation. Confirm with the actual base plate.

Provide a rigid setting-out template/jig to maintain spacing and verticality during concrete pour.

Check: bolt projection above pedestal, level of top nuts, and plumbness. Record as-built measurements.

Conduit location: confirm entry position and keep clear of reinforcement and anchor bolts.

For aggressive/saline soils: apply bituminous coating to buried concrete surfaces (2 coats) before backfilling, as specified.

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TITLE: **Anchor Bolt Setting-Out Template**

REV: B

DRAWING NO: SL-FND-STD-002
DATE: 2026-01-05

SCALE: NTS
SHEET: 2/2