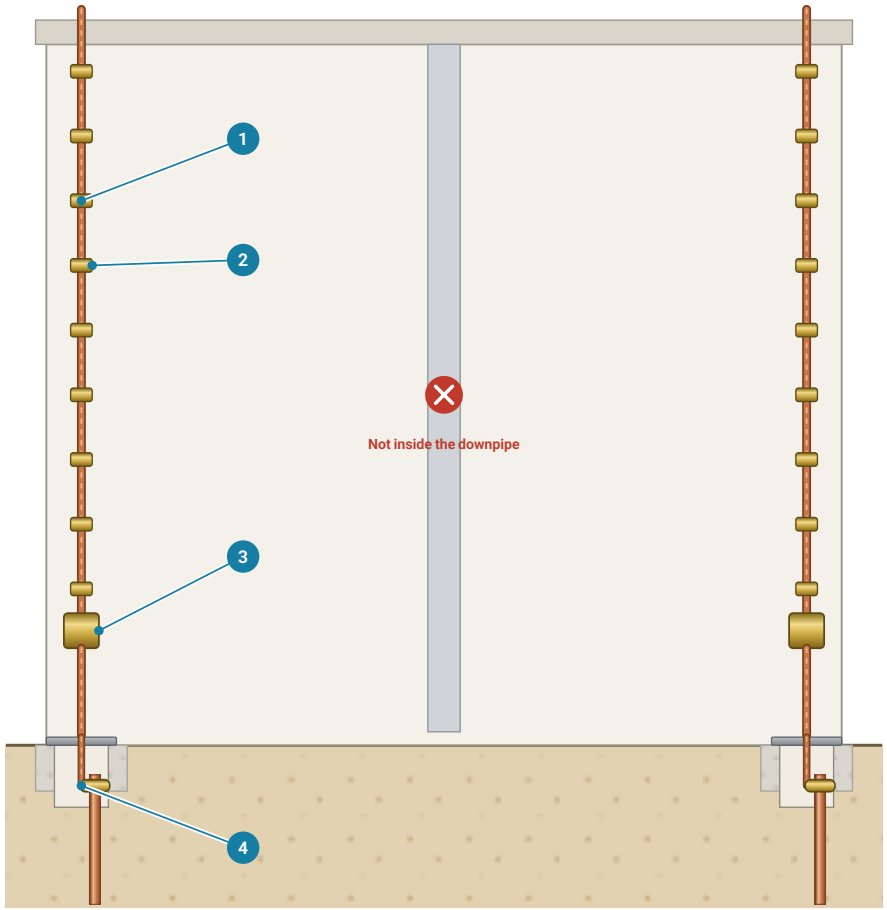
Roof grid and down conductor with bare copper conductor

Elevation and roof plan, with protection class table

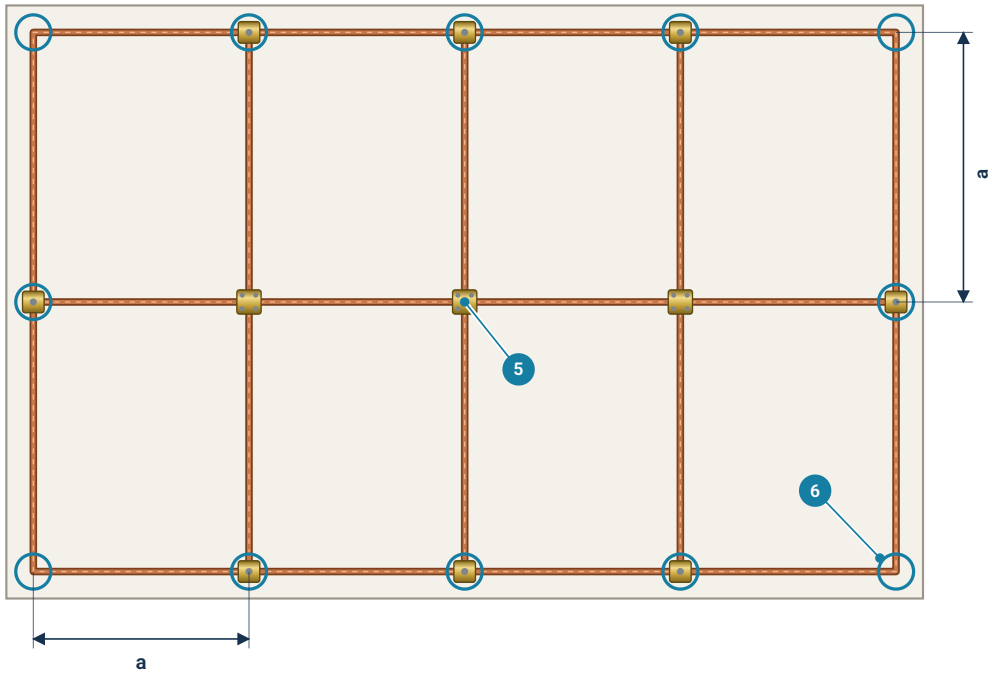
BARE STRANDED COPPER · BSCC 006–400 SOFT · BSCD 035–095 HARD

KALOT GROUP · TECHNICAL ILLUSTRATION · NOT TO SCALE

Elevation: down conductor to the measuring point



Roof plan: air-termination mesh



Protection class	Roof mesh size (m)	Down conductor spacing (m)
I	5 × 5	10
II	10 × 10	10
III	15 × 15	15
IV	20 × 20	20

From the IEC 62305-3:2010 tables; the design sets the final size.

1. Bare copper conductor down conductor from the building corner
2. Brass wall clamp, every 1 m on vertical runs up to 20 m
3. Brass test joint above ground level
4. Earth pit with concrete around it, earth rod and bare conductor
5. Four-way clamp at crossings and three-way clamp at roof edge branches
6. Down conductors at the corners and at the table spacing around the building

The schematic is illustrative and not to scale.

We keep improving our products; please confirm final dimensions with our experts.

This document is not contractual; we may update product design, dimensions, weights and images without prior notice.

گروه کالوت
KALOT GROUP
Protect Today For Tomorrow
Since: 1972 تاسیس: ۱۳۵۱
www.kalot.ir • Tel +98 21 2268 8852