

Foundation

Foundation is the lower portion of the building, usually located below the ground level, which transmits the load of the super-structure to the subsoil.

Types of foundations:

Shallow foundation and Deep foundation

Shallow foundations:

Used when good soil is near the surface, these foundations spread the load over a large area. Common types include spread footings, which support walls or piers.

Deep foundations:

Used for heavy loads or poor soil conditions. Examples include piles, piers, and caissons, which transfer the load to deeper, more stable soil or rock.

Typical Foundation details

