

SUPER STRUCTURE & SUB STRUCTURE



SUPER STRUCTURE:



A **superstructure** is an upward extension of an existing structure above a baseline. This term is applied to various kinds of physical structures such as buildings, bridges, or ships. The word "superstructure" is a combination of the latin prefix, *super*, (meaning *above, in addition*) with the Latin stem word, *structure*, (meaning *to build or to heap up*).

SUB STRUCTURE:



subset of super structure.

SUPER STRUCTURE:

Building

SUB STRUCTURE

Columns

Beams

Slabs

A

Walls

Windows

Doors

Flooring

Ceiling

B

SUPER STRUCTURE:

Building:

Load Bearing :

A **load-bearing wall** (or **bearing wall**) is a wall that bears a load resting upon it by conducting its weight to a foundation structure. The materials most often used to construct load-bearing walls in large buildings are concrete, block, or brick.

Structure:

In architecture, a structure is a body or assemblage of bodies in space to form a system capable of supporting loads. Built structures are composed of structural elements such as columns, beams and trusses.

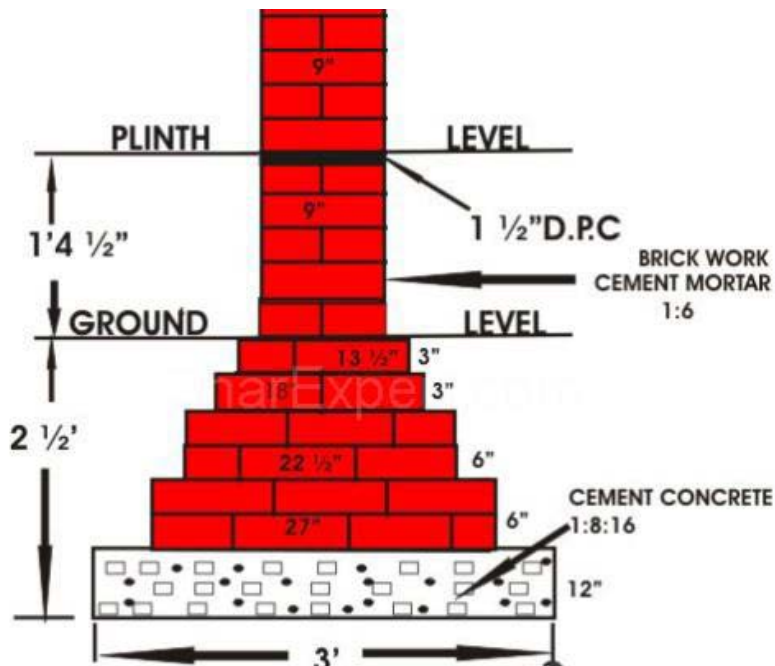
Physical structures include man-made and natural arrangements. Buildings, aircraft, soap films, skeletons, anthills, beaver dams and salt domes are all examples of physical structures.

SUPER STRUCTURE:

Building:

Load Bearing :

A **load-bearing wall** (or **bearing wall**) is a wall that bears a load resting upon it by conducting its weight to a foundation structure. The materials most often used to construct load-bearing walls in large buildings are concrete, block, brick or wood.

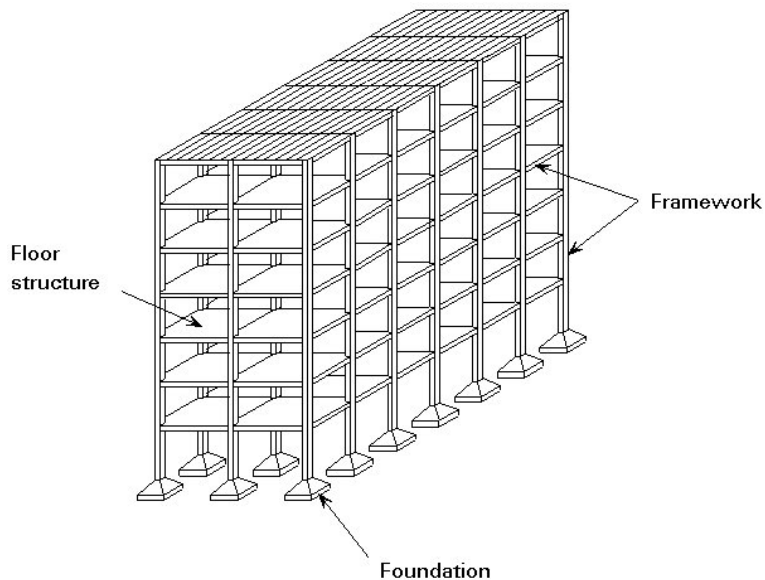


SUPER STRUCTURE:

Building:

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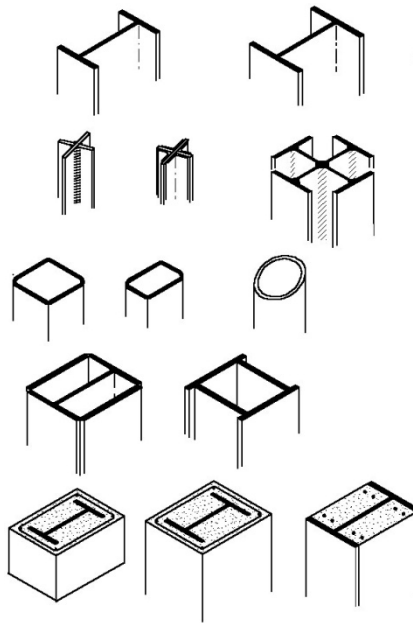


SUPER STRUCTURE:

Building:

Column:

A **column** or **pillar** in architecture is a vertical structural element that transmits, through compression, the weight of the structure above to other structural elements below.

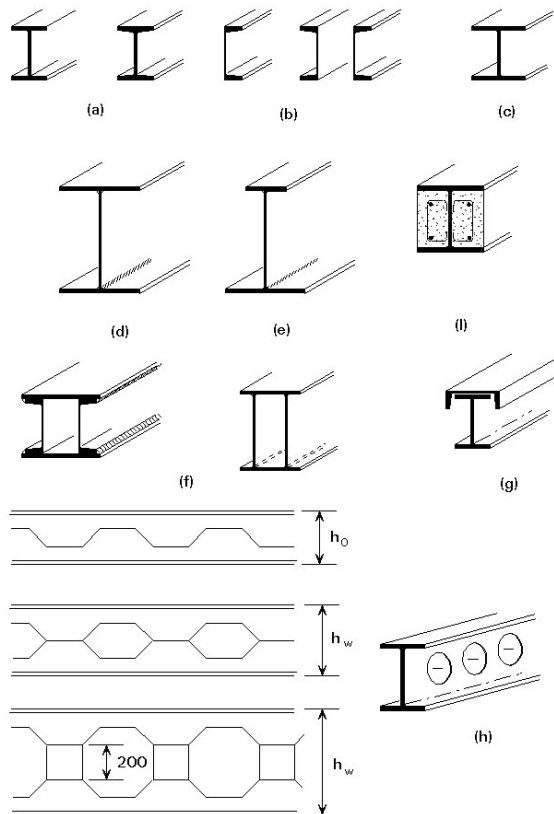


SUPER STRUCTURE:

Building:

Beam:

A **beam** is a horizontal structural element that is capable of withstanding load primarily by resisting bending.

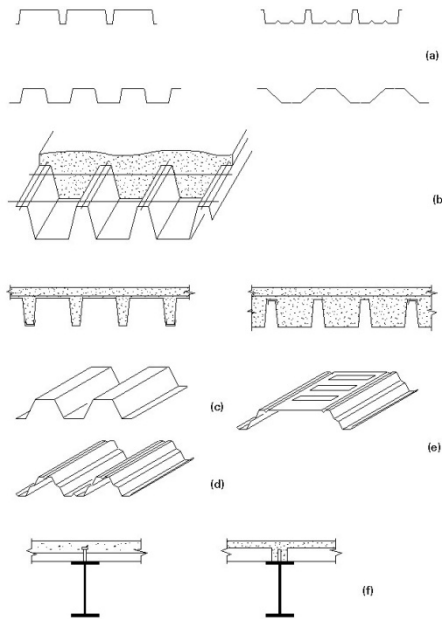


SUPER STRUCTURE:

Building:

Floor:

A **floor** is the walking surface of a room or vehicle. Floors vary from simple dirt in a cave to many-layered surfaces using modern technology. Floors may be stone, wood, bamboo, metal, or any other material that can hold a person's weight.



SUPER STRUCTURE:

Building:

Floor:

Connecting the wall and the flooring



SUPER STRUCTURE:

Building:

Floor:

Materials



