

FRAMED STRUCTURE

COLUMNS MEET FOUNDATION



Framed structure consists of beams and columns. Columns play an important role bearing load in framed structure.

BEARING WALL STRUCTURE

LOAD-BEARING WALLS MEET FOUNDATION



Each load-bearing wall sits on a wall sill plate which is mated to the lowest base plate. The sills are bolted to the masonry or concrete foundation.

TRUSS STRUCTURE

STRUTS MEET FOUNDATION



Trusses are prefabricated and placed on struts which transfer the load to the foundation. Struts of this structure can be concrete, wood or steel.

RIBBED STRUCTURE

RIB CANTILEVERS START FROM FOUNDATION



Ribs usually cantilever from their foundations or are propped near their bases.

SHELL STRUCTURE

SHELLS MEET FOUNDATION DIRECTLY



Shells spring from the foundation and continuously curve over to envelop interior space.

STRUTS MEET FOUNDATION



Shells does not meet the foundations directly but ends at the eaves level where inclined struts resist the outward thrusts

CATENARY STRUCTURE

STRUTS OR MASTS MEET FOUNDATION



Catenary structures transfer loads to their supports through tension, which are usually made by concrete struts or steel masts.