

- Wall can be take away by replace a bloc of columns.
- been using post and beams for serval hundred thousand years.
- Trabeated system.
- Material are acted upon by gravity.
- Beams of wrought Irons and modern steel can be span significant distances.

★ Tensile one determine by length of span and load the tensile of material will break if they are sufficiently great.

- solution is placing something within the concrete
- Greek orders: Doric columns, Ionic order, Corinthian order.
- Roman's adding orders: Composite order, engaged column.
- Frames - Three dimensions of post and lintels.

The Arch

- The forces of the base of an arch of semi circular are not downing, cause the base of Arch to spread by forces. There has a wall bearing down on Arch.
- The lateral forces will cancel out the ~~arch~~ arch.

Vaults \Rightarrow pushed through space of arcuated
 Arcuated structure - one built up of Arch joined
 barrel - semi circular Arch and vaults.