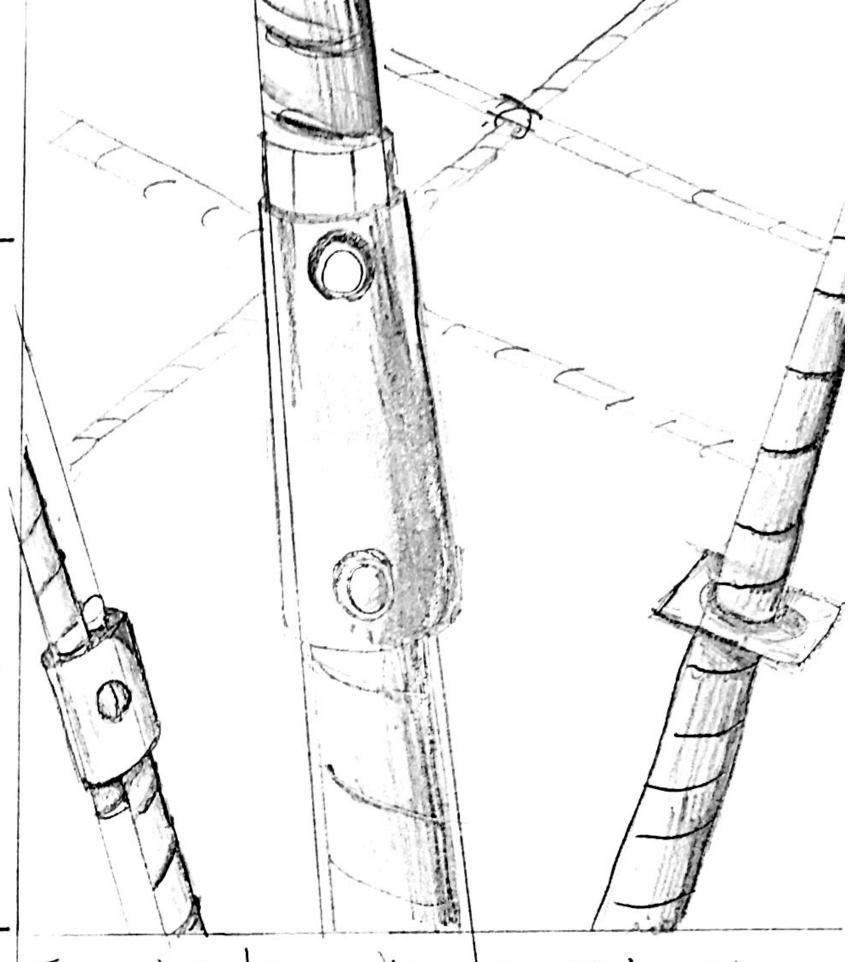
Concrete: is a heavy building material made from a combination of small stone grave 1, sand, cement, and aggregate.

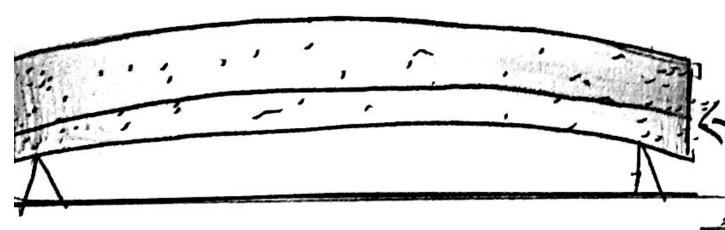
Reinforced concrete is used to make columns, walls, beams, slabs, and much more. by indading steel have

by including steel bars in the loner part of concrete it allows for more stability.





In order to make | concrete stronge more stable and safe reinforced steel

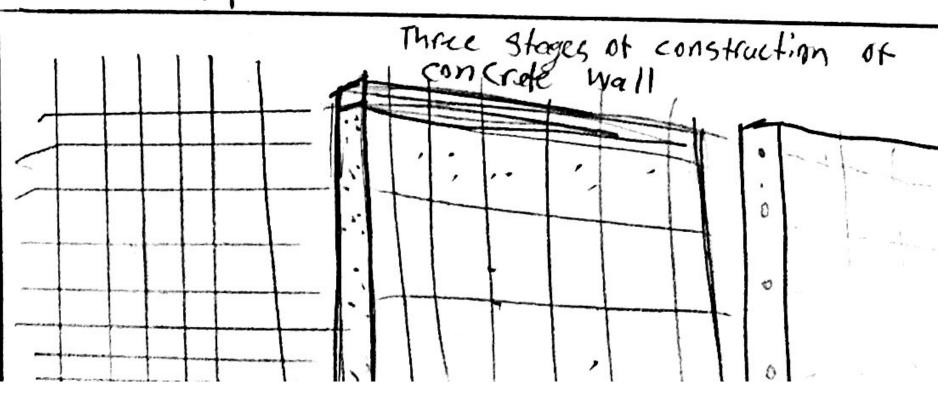


Compression in concrete

Under Prestresged

Under lading, the Prestressed carn becomes flatter, but all the concrete Still acts in Compression, and no cracks appear.

then half the concrete beam, less compression and cracks will appear in the bottom of the heam under full Load.



- · Concrete rixte to water is one of the most used materials in the worlds.
- · tement is a component to concrete.
- while at a certain temperature, along with iron and alumina.
- · Curing Prying · Potable = DrinkAble.
- · Cement is a binding agent.
- · Compression ->
- · Tengion (
- · concrete how 0 tensile Capability

 Steel is 9002 in comparossion and tension although

 it is stronger, concrete is cheaper.
- · it takes hours before coment dries
 - · concrete takes 28 days.

- Fly ash can be added and nextd to dry concrete quicker.
- water is sprayed over the topo of cement so it dries the the same time as the bottom and not crack

· PSI = Pounds Per Square in ch

