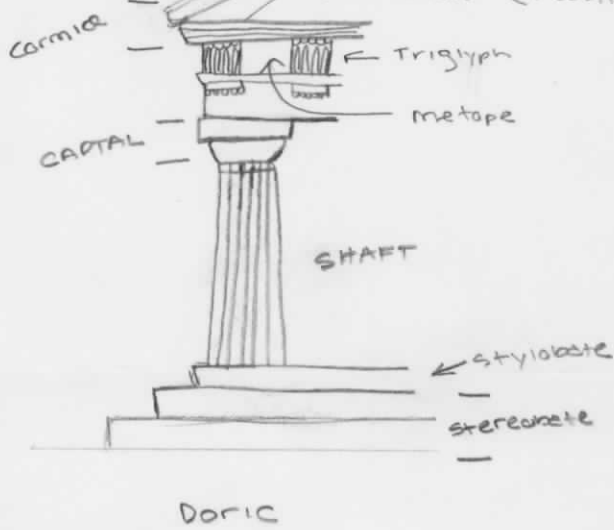


# >> UNDERSTANDING ARCHITECTURE CHPT 3

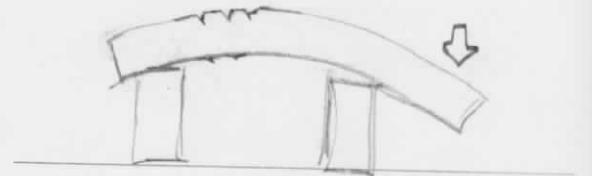
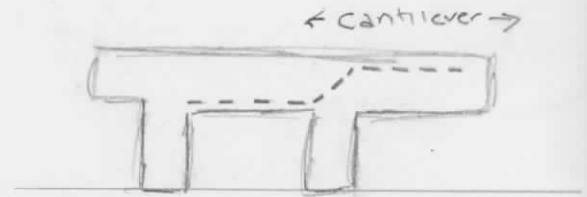
"Firmness" Structure, or How does the Building stand up?

- Physical Structure - "bones" of building
- Perceptual Structure - what is seen

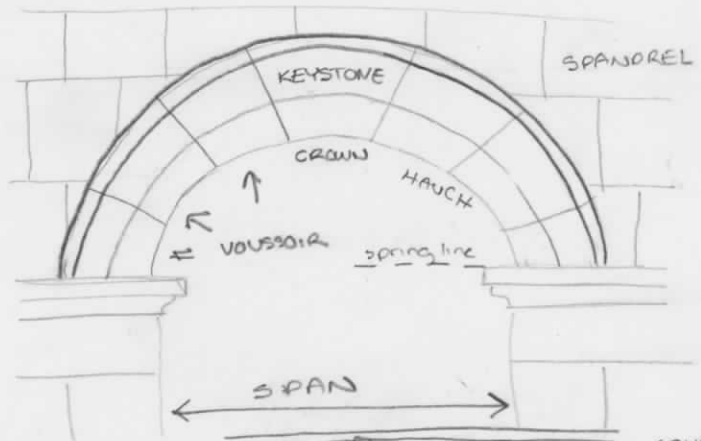
\* "The emphasis in the preceding paragraphs on visible structure ignores perhaps the most important structural element in a building, the non-visible portion..." (FOUNDATION)



- Romans introduced alot of design work to the Greek influence such as the curled acanthus leaves of the Corinthian

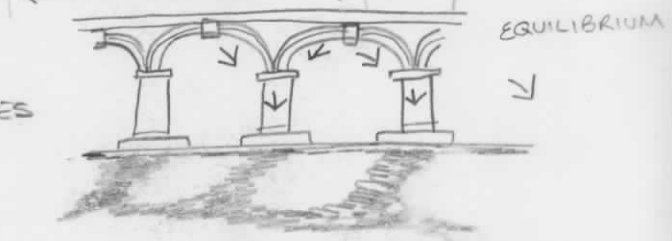


## The Arch



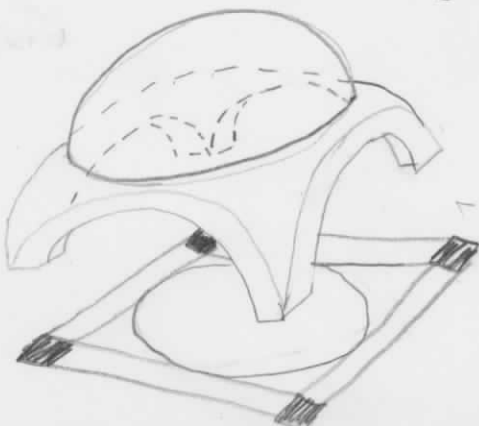
→ until the keystone (finished piece of the arch) is placed, the unfinished piece of arch must be held up by wooden frame work called centering

- Several arches placed end to end form ARCADES



## Domes

→ were much used by the romans, both for structural reasons and also because domes symbolically suggested the over-arching heavens.



Pendentive - curved triangle-shaped, spherical segments

Ex. Church of Hagia Sophia

TRUSS - made up of straight wood timbers arranged in triangular shapes or cells

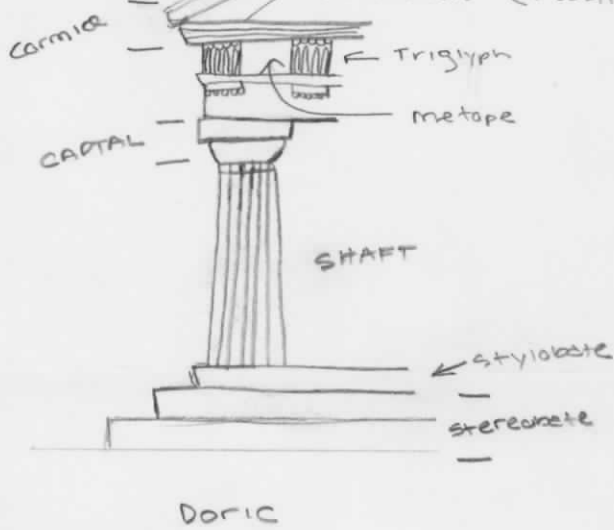


# >> UNDERSTANDING ARCHITECTURE CHPT 3

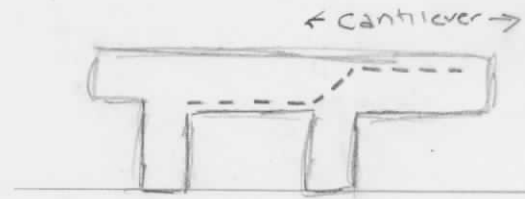
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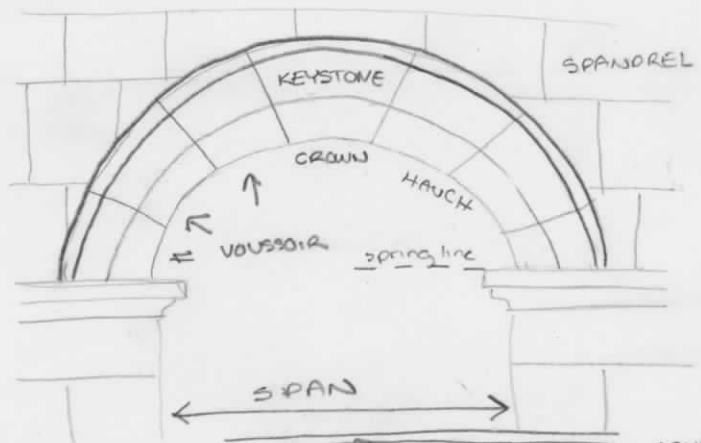
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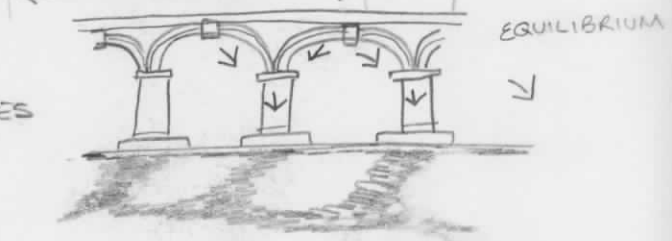


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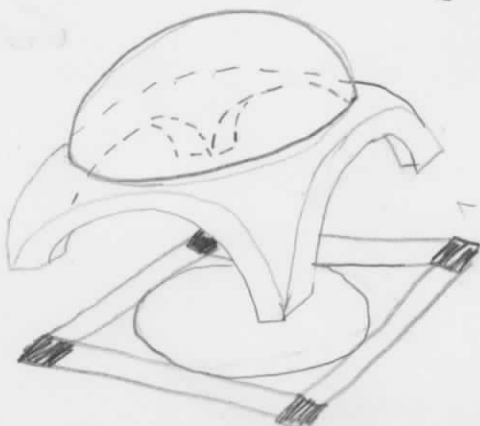
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