



# Classical Greek & Roman Architecture



# Architecture

Architecture is both the process and product of planning, designing and construction of buildings.

Vitruvius – “a good building should satisfy three basic principles...”

- 1. Durability**
- 2. Utility**
- 3. Beauty**

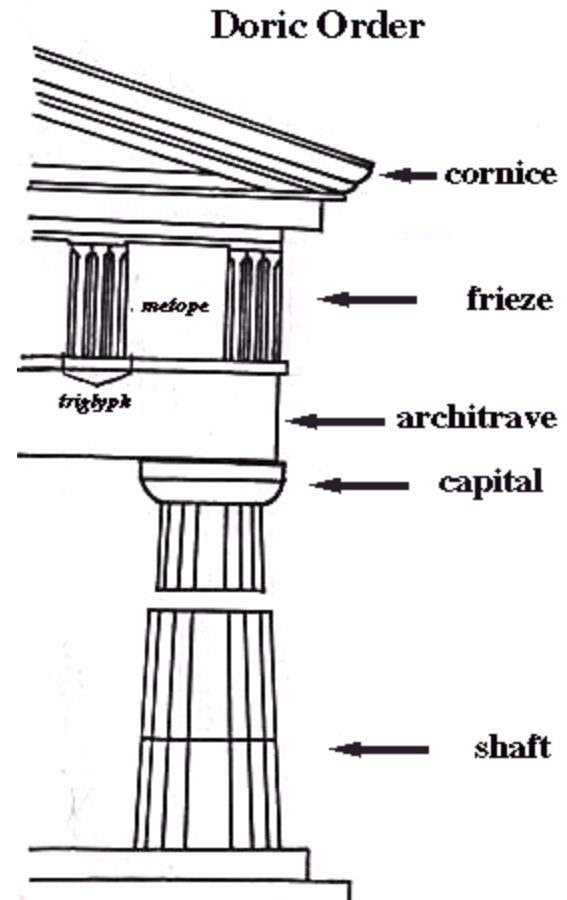
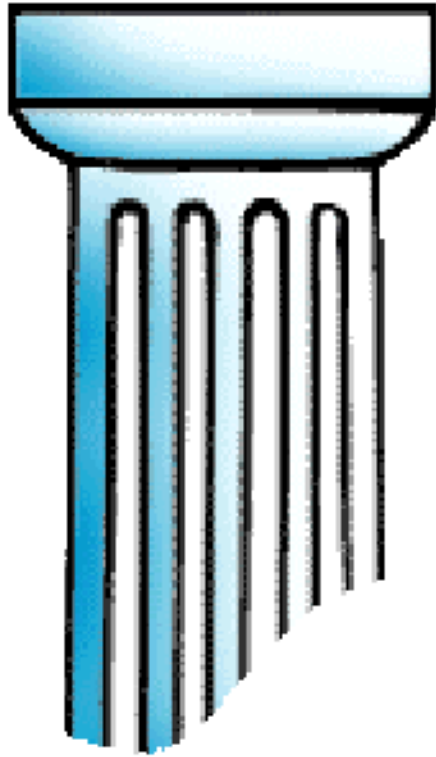
# Greece and Italy





## **Classic Greek Architecture**

- use of columns as a structural element to support the weight of the structure above



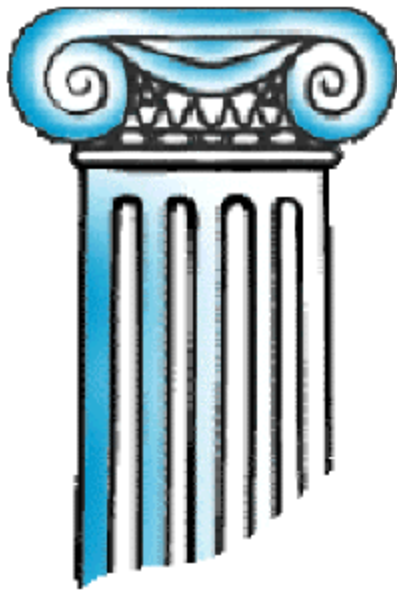
**Doric Style**



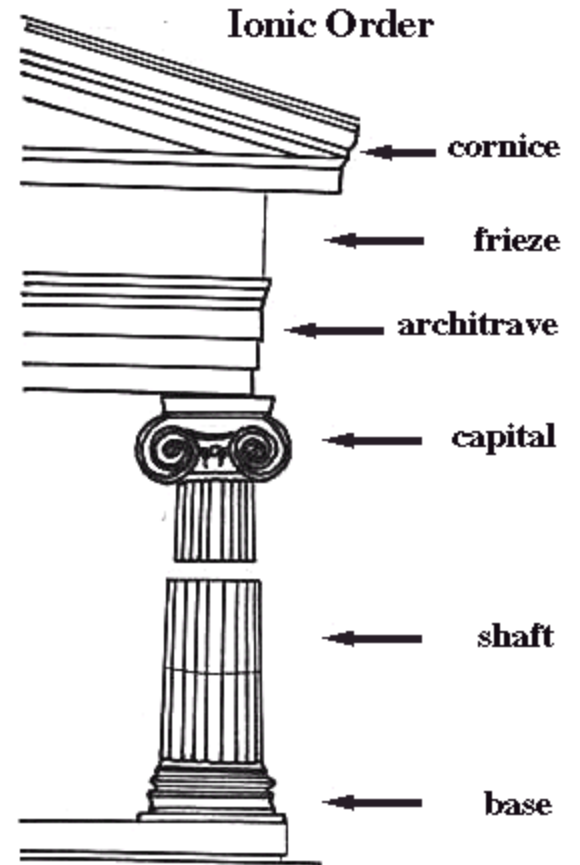
**Doric Style - Parthenon**



**Doric Style – Parthenon (432BC)**



**Ionic Style**





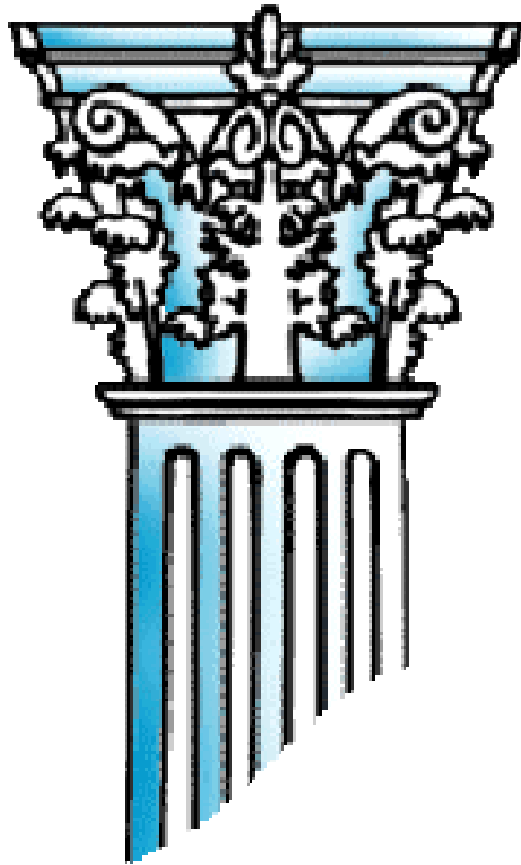
# Ionic Style



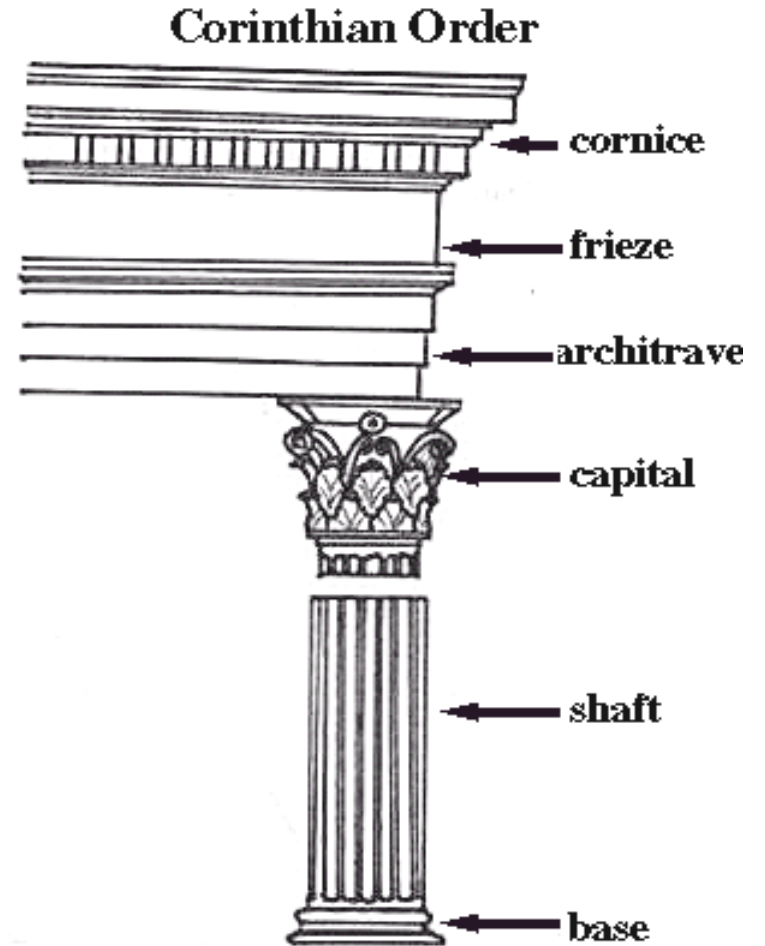
Temple of Athena Nike



Temple of Apollo at Didyma



**Corinthian Style**



# Corinthian Style



Temple of Apollo



Temple of Zeus



## **Classic Roman Architecture**

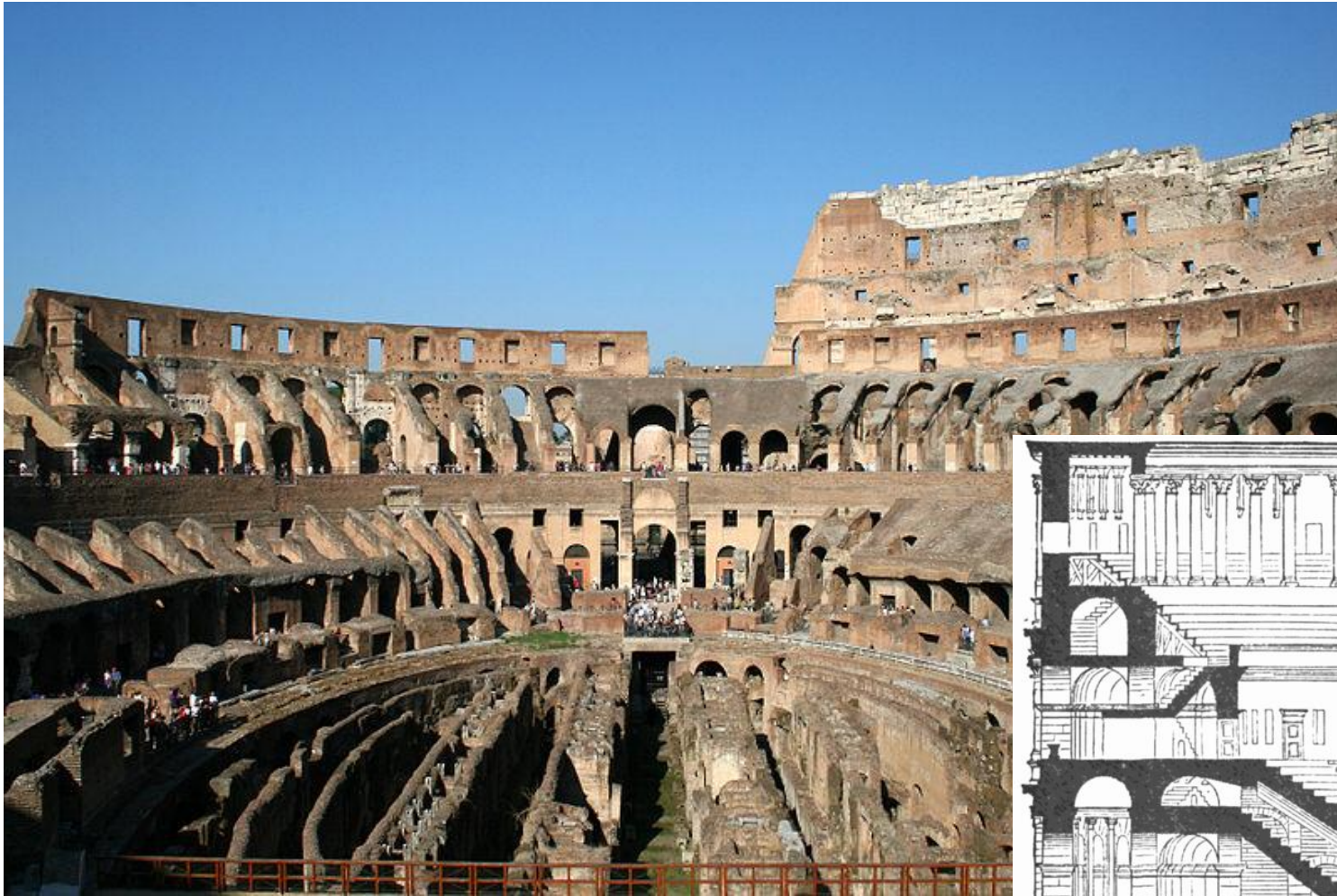
- use of arches and domes as structural elements
- perfected the use of concrete



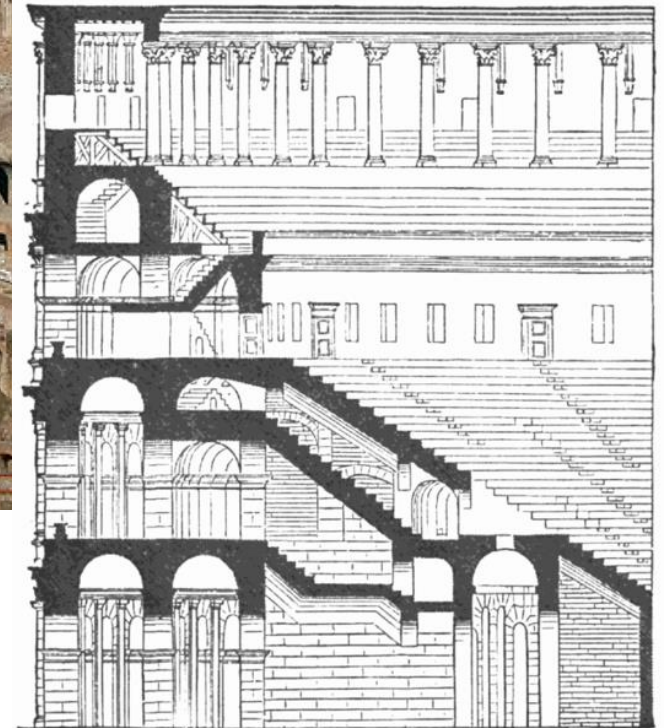
Colosseum – Rome, Italy (80AD)



Colosseum facade



Colosseum - interior



## **Neo – Classical Architecture :**

Modern day Architecture influenced  
by the styles of Ancient Greek and  
Roman Architecture



# U.S. Capitol building











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75 SHEDD  
AQUARIUM

connect

interact

celebrate

explore

discover

CELEBRATE  
75 SHEDD  
AQUARIUM









# Architecture Project :

**Client :** Mr. Booktower

**Project :** Design a foundation strong enough to hold Mr. Booktower's book collection.

**Scale :** The foundation must be tall enough for Mr. Booktower to stand inside.

**Materials :** Twelve 3" x 5" Index cards and tape

