

HISTORY OF THE ARCHITECTURE PROFESSION

Period	Theory	Design	Construction	Profession Status	Architects	Works
Ancient Egypt	Modular system and simple geometric system p. 8-9	Floor plan and elevation drawings on papyrus or leather.	Rulers, square and triangle. P.7	Architect in Pharaohs inner circle of officials - could become a god or hero. P. 6-7	Imhotep (later a God)	Pyramid of Zoser (first Egyptian stone monument)
	Design heavily based on precedent. Innovation small steps over centuries. P. 6	Drawing system based on symmetry line and grid for proportions p. 7-8	Field sketches on limestone flakes	Access to royal and sacred documents. Learned in many arts and sciences. P. 5	Senmut	Tomb of queen Hatshepsut
		Ideational diagrams as "renders." No perspective views. P. 9	Massive slave labor	Overseer of works at the highest level,		
Ancient Greece	Advanced geometrical system and proportions derived from Egypt	Detailed written descriptions of work (specifications). P. 12-14	Rulers, square and triangle.	A working professional or master craftsman, respected but not famous as other artisans. P. 21 & 26	Daedalus	Labyrinth of Crete
	Orders	Maybe drawings and models. P 11-12	Detailed specs for on-the-go design solutions. P 12-14	No distinction between builder, architect or engineer. P. 20		
	Design based on precedent with subtle project-specific variations. P. 15	Bills of materials.	Building cranes and other machines plus slaves.	Overseer of the work site. Educator of future architects. P. 16 & 21		
Ancient Rome	Based of Greek theory but with much further advancements (arches, domes and massive engineering feats).	Dimensioned plans, elevations and perspectives. P. 40	Rulers, square and triangle, compass, levels, plumb lines.	Master of design and construction. Liberal arts man broadly educated thru many years. P. 28	Vitruvius	Ten Books on Architecture
	Ten Books on Architecture - specify scope of profession, orders, and techniques	Imperfect perspective drawings. Shaded and colored drawings for renders. P. 40	Building cranes and other machines and slaves.	Must have skills of all building trades: architecture, engineering, surveying, construction, etc. p. 44	Severus	Domus Aurea - Neros Palace
	Design based on precedent although with increasing innovation	Creation of budgets and bills of material.	Craftsmen associations called collegium that brought great organization at construction site. P. 41	Architect as administrator.	Apollodorus	Trajan's Forum and Markets
	Building codes and zoning laws	Structural requirements of columns are diminished - due to use of concrete & arches. Columns acquire new meanings. P. 42 - becomes a choice of style instead of a structural necessity.	Standardized material sizes, specially brick. Invention of concrete. P. 41-43	Education of next generation of architects.	Anthemius	Hagia Sophia