



Good day Worthy Knights,

In this part 60, the column styles used in our Certificates, (Wikipedia)

The three orders of architecture, the Doric, Ionic, and Corinthian, originated in Greece, to these the Romans added, in practice if not in name, the Tuscan, which they made simpler than Doric, and the Composite, which was more ornamental than the Corinthian.

Whereas the orders were essentially structural in Ancient Greek architecture, which made little use of the arch until its late period, in Roman architecture where the arch was often dominant, the orders became increasingly decorative elements. Columns shrank into half-columns emerging from walls or turned into pilasters.

Elements

Each style has distinctive capitals at the top of columns and horizontal entablatures which it supports, while the rest of the building does not in itself vary between the orders. The column shaft and base also varies with the order and is sometimes articulated with vertical hollow grooves known as fluting. The shaft is wider at the bottom than at the top, because its entasis (see note), beginning a third of the way up, imperceptibly makes the column slightly more slender at the top,

The capital rests on the shaft. It has a load-bearing function, which concentrates the weight of the entablature on the supportive column, but it primarily serves an aesthetic purpose. The necking is the continuation of the shaft, but is visually separated by one or many grooves. The echinus lies atop the necking. It is a circular block that bulges outwards towards the top to support the abacus, which is a square or shaped block that in turn supports the entablature. The entablature consists of three horizontal layers, all of which are visually separated from each other using mouldings or bands.

Doric order Wisdom

The Doric order originated on the mainland and Western Greece. It is the simplest of the orders, characterized by short, organized, heavy columns with plain, round capitals (tops) and no base. With a height that is only four to eight times its diameter, the columns are the most squat of all orders. The shaft of the Doric order is channelled with 20 flutes. The capital consists of a simple ring.

The lower part of the entablature is either smooth or divided by horizontal lines. The upper half is distinctive for the Doric order. The frieze of the Doric entablature is divided into triglyphs and metopes. A triglyph is a unit consisting of three vertical bands which are separated by grooves. Metopes are the plain or carved reliefs between two triglyphs.

The Greek forms of the Doric order come without an individual base. They instead are placed directly on the stylobate. Later forms, however, came with the conventional base consisting of a plinth and a torus.

Ionic order used on the KHS Certificate

The Ionic order came from Eastern Greece. It is distinguished by slender, fluted pillars with a large base and two opposed volutes (also called "scrolls") in the capital. The Ionic shaft comes with four more flutes than the Doric counterpart (totalling 24). The Ionic base has two convex mouldings called tori.

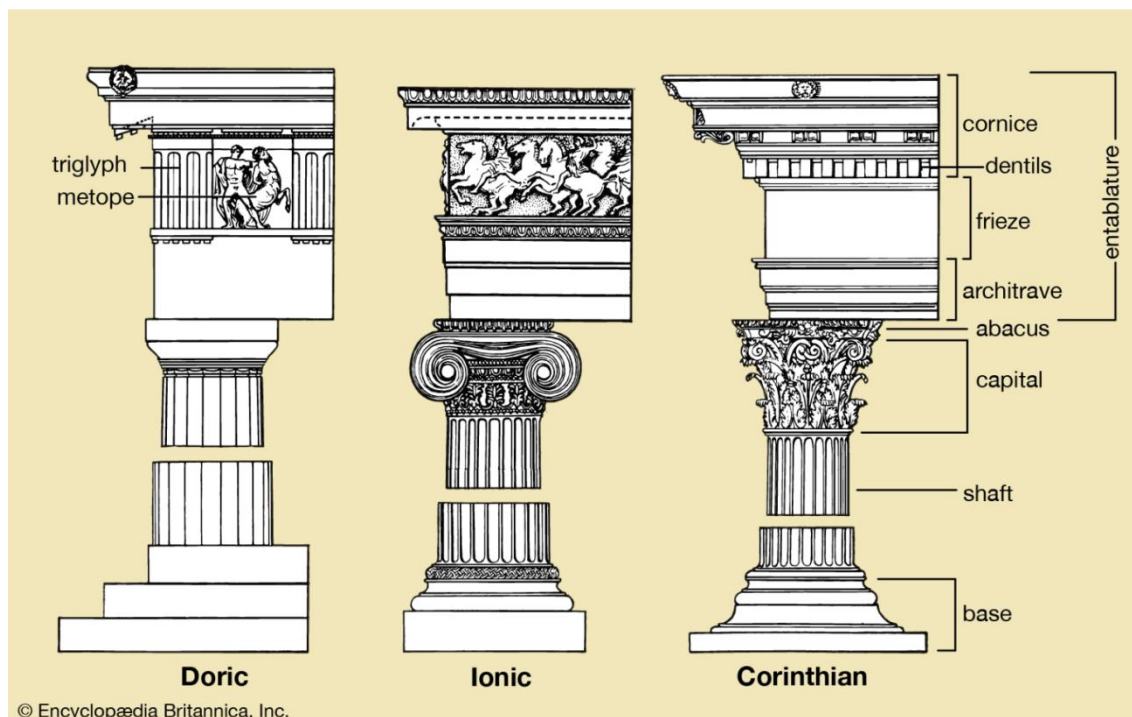
The Ionic order is also marked by an entasis, a curved tapering in the column shaft. A column of the Ionic order is nine times its lower diameter. The shaft itself is eight diameters high. The architrave of the entablature commonly consists of three stepped bands (fasciae). The frieze comes without the Doric triglyph and metope. The frieze sometimes comes with a continuous ornament such as carved figures instead.

Corinthian order used on the RCC Certificate

The Corinthian order is the most ornate of the Greek orders, characterized by a slender fluted column having an ornate capital decorated with two rows of acanthus leaves and four scrolls. It is commonly regarded as the most elegant of the three orders. The shaft of the Corinthian order has 24 flutes. The column is commonly ten diameters high.

The Roman writer Vitruvius credited the invention of the Corinthian order to Callimachus, a Greek sculptor of the 5th century BC. The oldest known building built according to this order is the Choragic Monument of Lysicrates in Athens, constructed from 335 to 334 BC. The Corinthian order was raised to rank by the writings of Vitruvius in the 1st century BC.

Entasis: a slight convex curve in the shaft of a column, introduced to correct the visual illusion of concavity produced by a straight shaft.



<https://www.britannica.com/technology/column-architecture>