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4.500 Introduction to Design Computing Fall 2008

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ANDREA PALLADIO



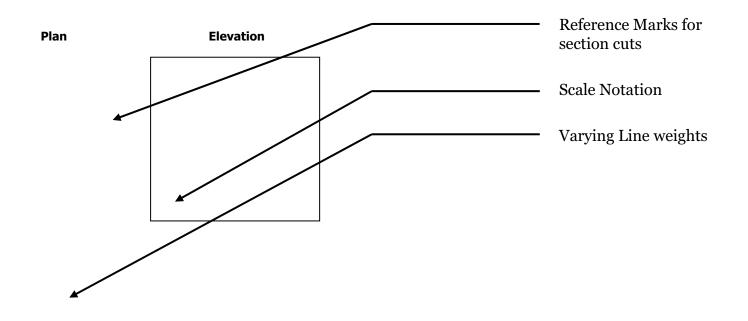
Palladio was a stone mason

Palladio Designed over 30 villas throughout the Veneto only 19 were built 1535 - 1570

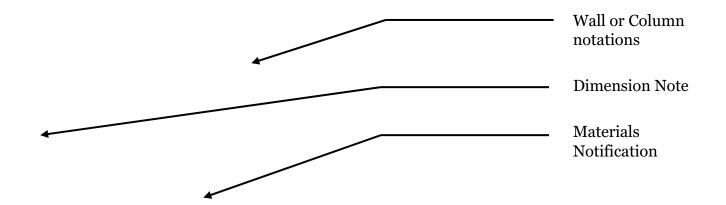
Drawings in the Four Books were written after the buildings were constructed

The first book contained the rules

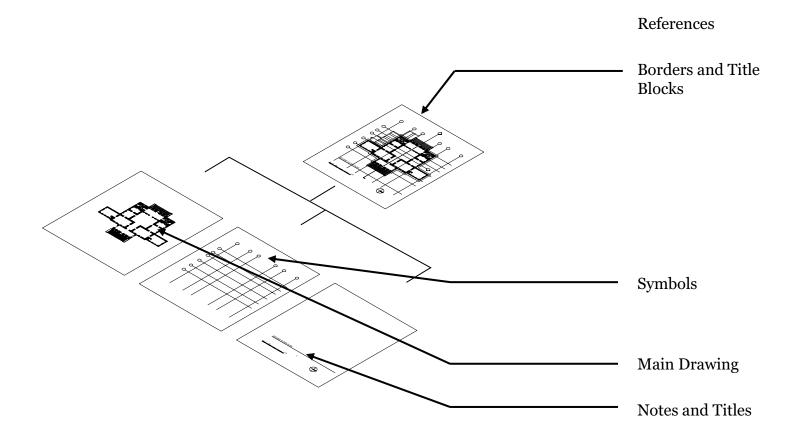
Second Book contained drawings of the villas



Section Details



STRUCTURING DOCUMENTS



LINES AND VECTORS

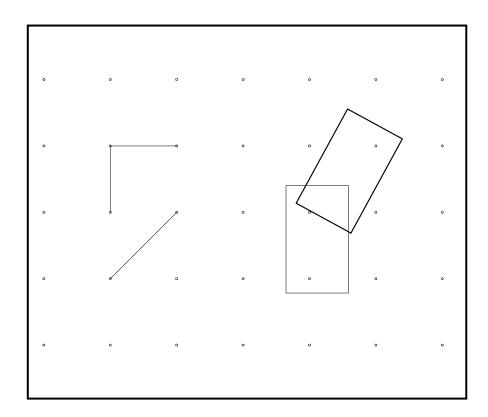
CAD SYSTEMS

Lines

Coordinate Systems

Transformations

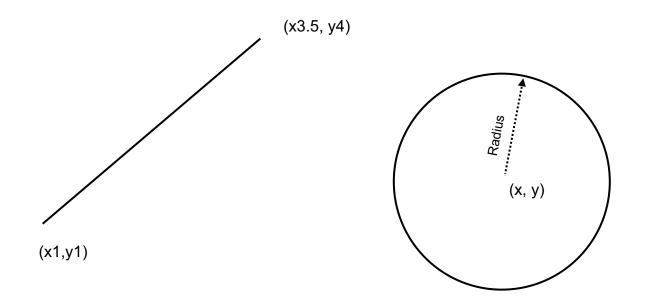
Operations



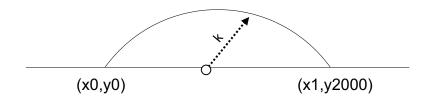
POINTS, LINES AND MANIPULATION

Geometric Entities

Lines are based on the Coordinates not the scale



POINTS, LINES AND MANIPULATION



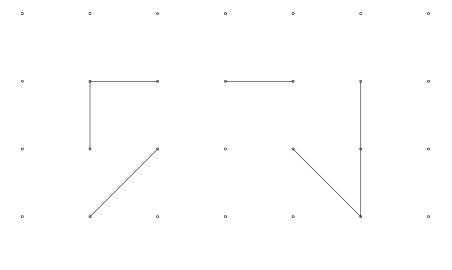
(k = ?')

Grid System

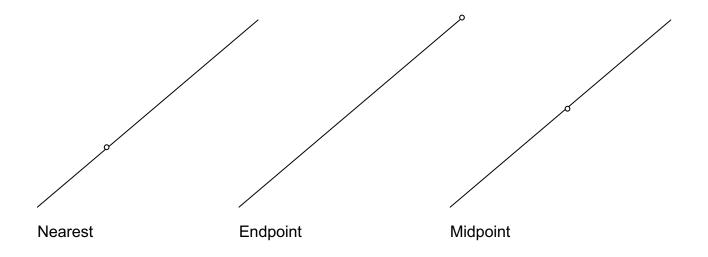
Lines Can Snap to Modules

Lines Can Snap to Orthogonal Axes

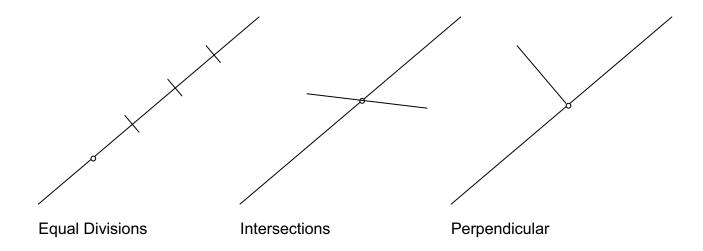
Lines Can Snap to Objects



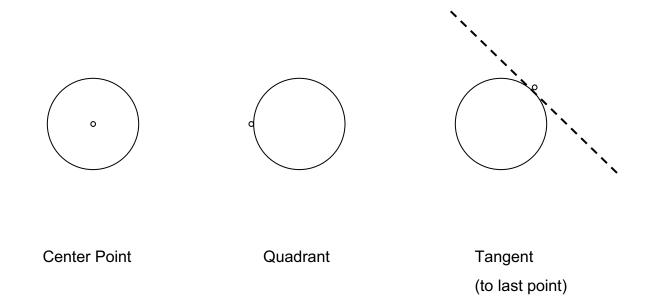
Points on Lines



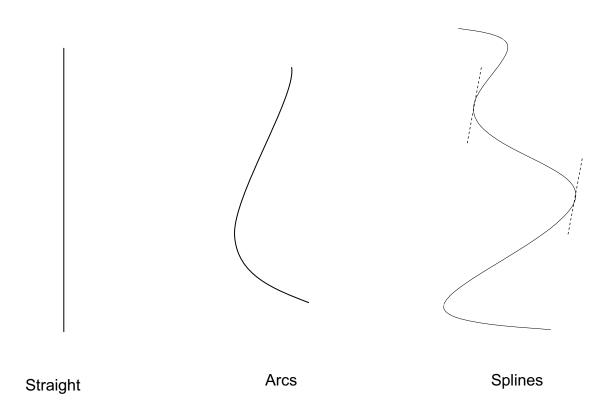
Points on Lines



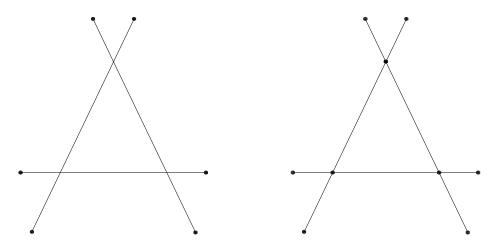
Points on Lines



LINE TYPES



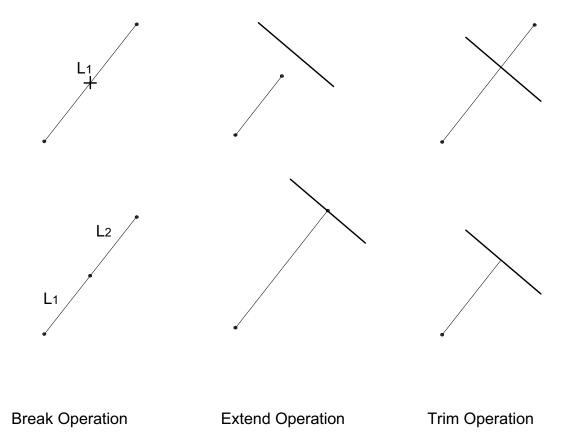
LINE SEGMENTS



Three Segment

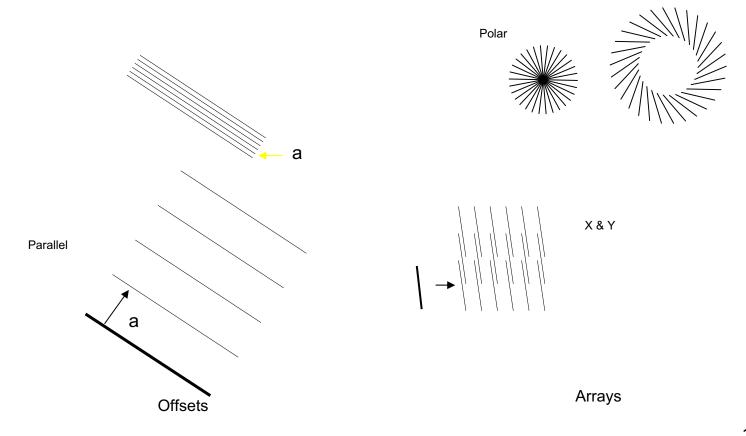
Nine Segments

LINE OPERATIONS

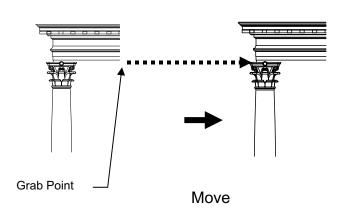


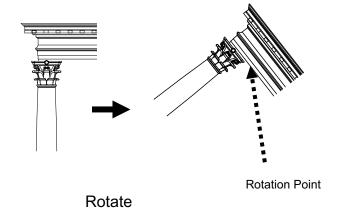
GEOMETRIC CONSTRUCTS

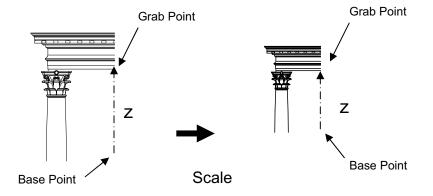
Offsets

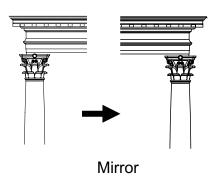


TRANSFORMATIONS









PRE-DEFINED OBJECTS

