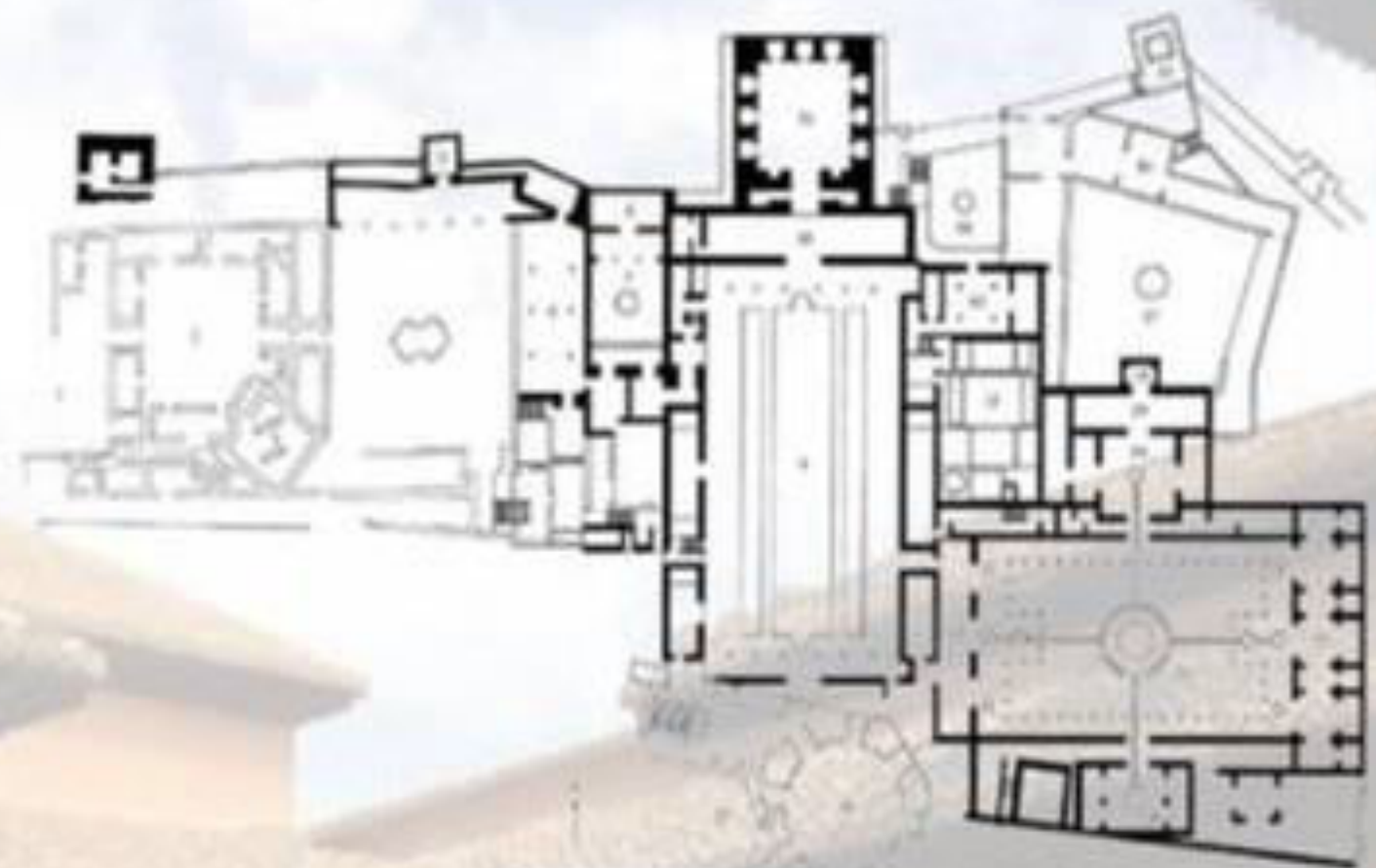




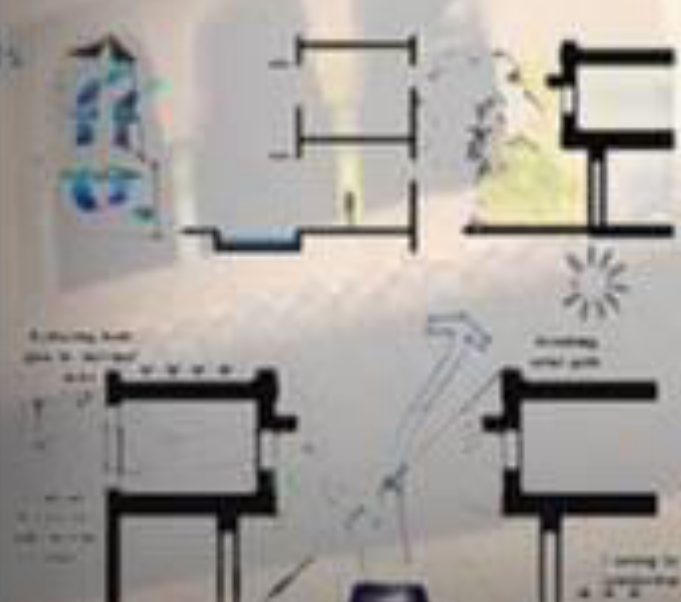
AL-HAMBRA PALACE

ALHAMBRA, PALACE AND FORTRESS OF THE MOORISH MONARCHS OF GRANADA, SPAIN. THE NAME ALHAMBRA, SIGNIFYING IN ARABIC "THE RED," IS PROBABLY DERIVED FROM THE REDDISH COLOR OF THE TAPIA (RAMMED EARTH) OF WHICH THE OUTER WALLS WERE BUILT.

THE PLAN

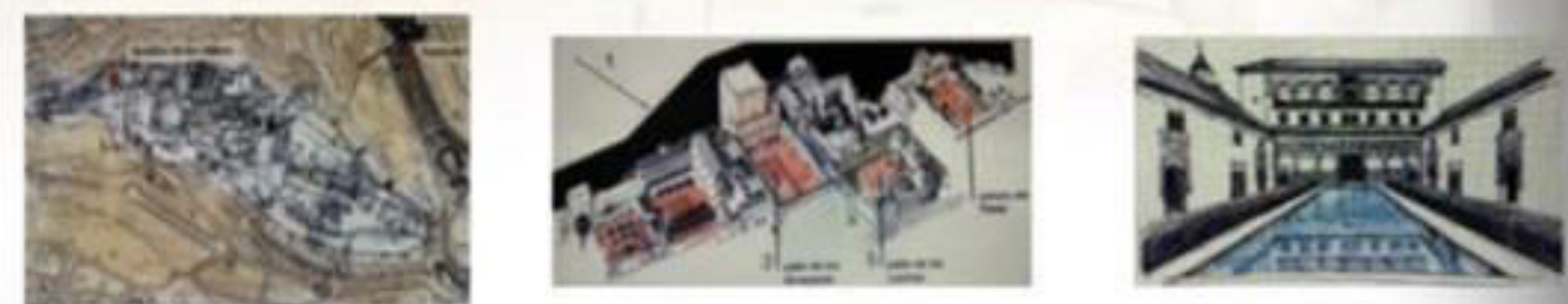


IT'S ALMOST IMPOSSIBLE TO IMAGINE THIS SPACE WITHOUT THE FOUNTAINS, POOLS AND WATER FEATURES. MANY OF THE DECORATIVE ELEMENTS OF THIS MAGNIFICENT MONUMENT ARE CREATED OR ENHANCED WITH WATER.



ENVIRONMENTAL SOLUTIONS

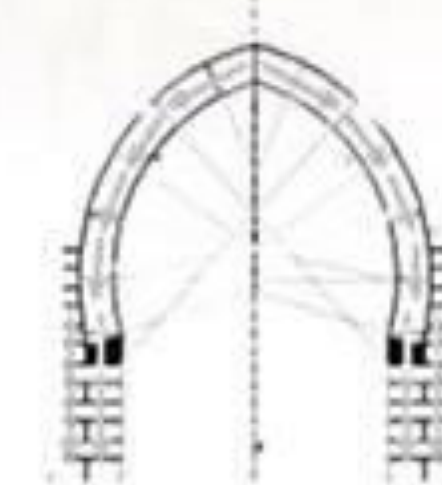
- 1- THE ARCHITECTURAL DESIGN OF THE ALHAMBRA WAS INFLUENCED BY THE SURROUNDING MOUNTAIN ENVIRONMENT
- 2- USING COURTS IN THE PALACE TO LIGHT IT UP
- 3- USING COURTS AND LACKS TO REPLENISH THE AIR



LOAD FLOW



WEST ELEVATION LOAD FLOW



LOAD FLOW (POINTED ARCH)



LOAD FLOW (HORSESHOE ARCH)



ISLAMIC ORNAMENT

IS THE USE OF DECORATIVE PATTERNS IN ISLAMIC ART. THEY CAN BE BROADLY DIVIDED INTO THE ARABESQUE, USING CURVING PLANT-BASED ELEMENTS, GEOMETRIC PATTERNS WITH STRAIGHT LINES OR REGULAR CURVES, AND CALLIGRAPHY, CONSISTING OF RELIGIOUS TEXTS WITH STYLISED APPEARANCE, USED BOTH DECORATIVELY AND TO CONVEY MEANING. ALL THREE OFTEN INVOLVE ELABORATE INTERLACING. THE THREE TYPES OF ORNAMENT ARE OFTEN USED TOGETHER.

THE GEOMETRIC DESIGNS IN ISLAMIC ART ARE OFTEN BUILT ON COMBINATIONS OF REPEATED SQUARES AND CIRCLES, WHICH MAY BE OVERLAPPED AND INTERLACED, AS CAN ARABESQUES, WITH WHICH THEY ARE OFTEN COMBINED, TO FORM INTRICATE AND COMPLEX PATTERNS, INCLUDING A WIDE VARIETY OF TESSELLATIONS.



ACROSS THE COURTYARD, TO THE EAST, IS THE SALA DE LOS REYES (HALL OF THE KINGS), AN ELONGATED SPACE DIVIDED INTO SECTIONS USING A SERIES OF ARCHES LEADING UP TO A VAULTED MUBARNAT CEILING; THE ROOM HAS MULTIPLE ALCOVES, SOME WITH AN UNOBSTRUCTED VIEW OF THE COURTYARD, BUT WITH NO KNOWN FUNCTION. THIS ROOM CONTAINS PAINTINGS ON THE CEILING REPRESENTING COURTLY LIFE. THE IMAGES WERE FIRST PAINTED ON TANNED SHEEPSKINS, IN THE TRADITION OF MINIATURE PAINTING. THEY USE BRILLIANT COLORS AND FINE DETAILS AND ARE ATTACHED TO THE CEILING RATHER THAN PAINTED ON

