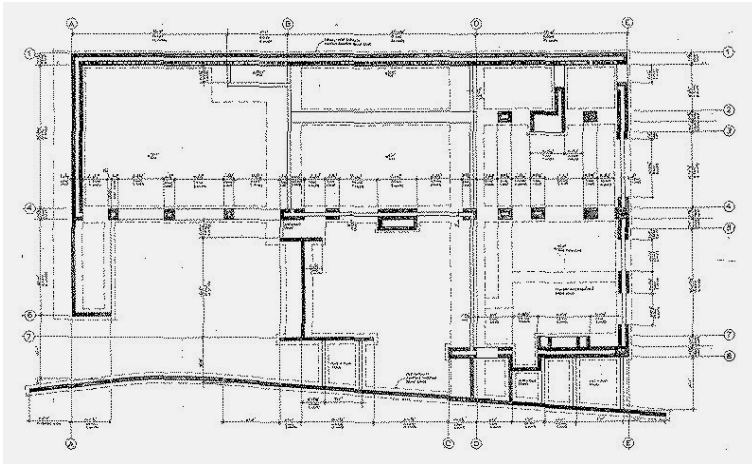


Terrace Courtyard Residence - Project, Bainbridge Island, WA.
Studio of Architecture : John Cava & Brad Cloepfil - Brent Hinrichs, Design Development and Construction Documents

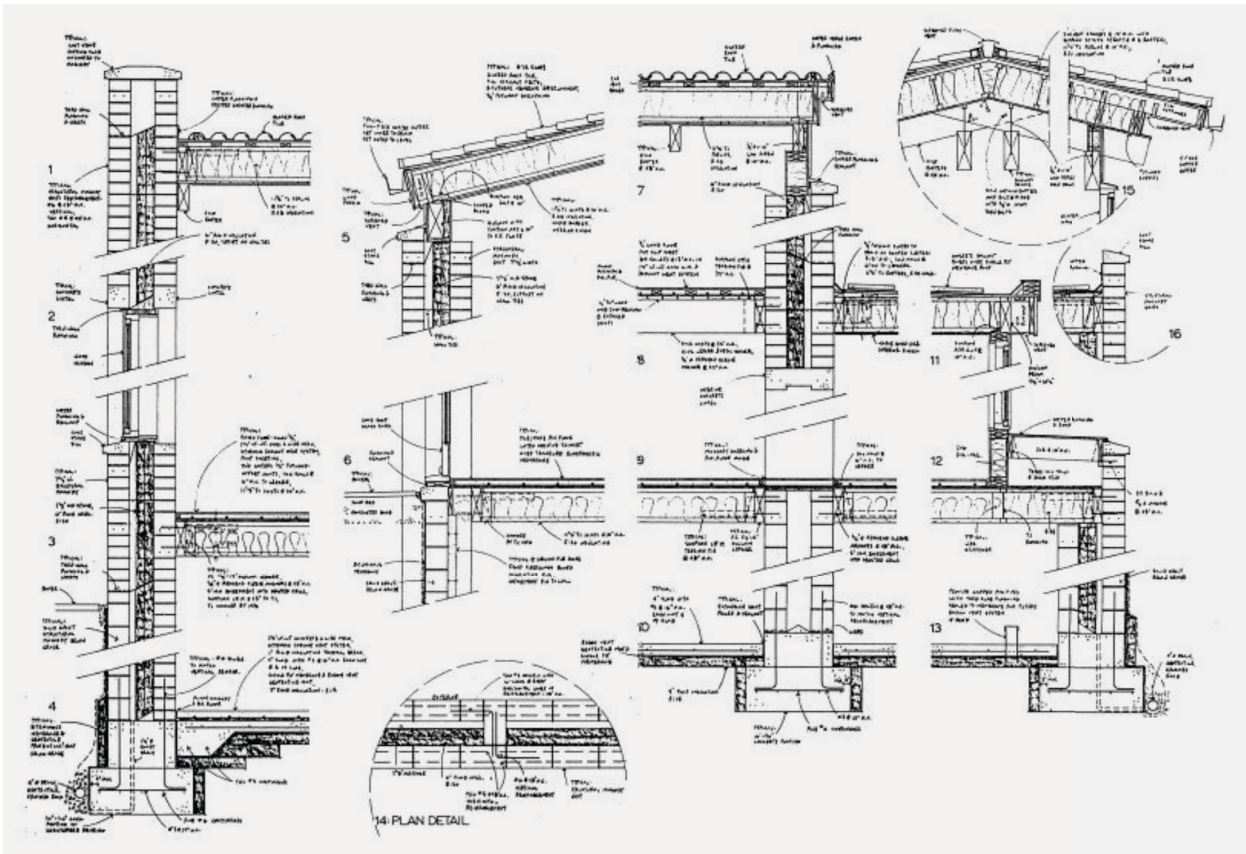
SITE & PROGRAM

The project site was located on a slope along the islands coast with a view east towards the city of Seattle across the water. The building was organized as a series of terraces and south facing courts; from a garage forecourt leading down to a courtyard sheltered by a 'L' of living areas, and continuing to an open terrace and landscape view beyond.



MATERIALS & CONSTRUCTION

The foundation system was designed as a stepped reinforced concrete system. The proposed exterior walls of the building were of exposed clay masonry units with grouted double wythes for a thick cavity wall construction, which would be self-bracing for lateral loading; while the landscape walls are single wythe. Doubled concrete lintels were to be used externally and internally to maintain a thermal break. The timber floor construction was to be inset between the masonry walls. The exposed roof structure was designed as timber rafters set on timber beams; a secondary engineered wood system would span above the exposed construction for the insulation.



The roofing surfaces were to be of glazed ceramic tiles and flat sealed metal panels; gutters and flashings were to be fabricated from sheets of terne coated copper stock. The framing for the fixed glazing, operable windows and doors were to be of clear finished Douglas Fir. A boiler and storage tank would provide for both the domestic hot water and for the hydronic radiant system set in the concrete topping slabs.