DESIGN ACCESS STATEMENT

LOCATION: 74 TUDOR WAY, UXBRIDGE UB10 9AB

The residence is situated in the Borough of Hillingdon, in the west of Greater London. The area covers a part of Uxbridge which is an affluent suburban location & has a vibrant and diverse range of people. The postcode surrounds mostly detached houses for family living offering convenient and comfortable lifestyle, easy access to public transport, green spaces and a range of amenities.

OVERVIEW:

The regulations for pergolas or pool roofs states the following:

- The height of the structure shall not exceed 4000MM for any roof.
- If any outbuilding is within 2000MM of any boundary, the maximum height at eaves shall not exceed 2500MM.
- There shall be no verandas, balcony or raised platform with a height greater than 300MM.
- The structure together with any other enclosure will occupy less than 50% of the Garden area.

The design complies with all the regulations mentioned whilst taking care of the needs of the client. Overall, the pool structure and solar panel system are designed to provide a sustainable and energy-efficient solution for the owners.

BRIEF FROM THE CLIENT:

The demands for the design are fairly simple, they want to cover the pool with a pergola roof structure taking into consideration the size, shape, height and clearance, roof design, lighting and electrical, planting and building code to ensure that the structure complements the pool and landscaping, protects from the elements and ensure the safety of the area.

DESIGN BRIEF:

The pergola structure designed for the client is a harmonious blend of modern design and natural surroundings. The shape of the roof runs parallel to the longitudinal axis of the unique pool design. It's a framed structure with a durable and weather resistant material, glazing panels on the outer edges to provides shade and UV protection. The roof is high enough to provide adequate head clearance as the minimum height is 2500MM and maximum internal height is 3600MM to allow comfortable seating and movement under the structure. To achieve the best of both in terms of functionality and aesthetics the roofs shape is divides into 2 south facing ridges as design dictates a solar panel on the roof surface. The plants on the roof are designed to mimic the surrounding area in a way that they are able to withstand the effects of the pool, harsh sunlight and can be easily maintained. The roof will house green plants such as vines or climbers covering 700MM around the edges following down embellishing the area.

The function of the roof structure serves multiple purposes. Primarily, it provides shade and shelter from the elements for the client, while summers are about 4 months long, a covered pool extends the swimming season by a couple of more months. The open-air design allows natural light and ventilation, while providing protection from direct sunlight and rain giving the client flexibility to use the area mostly all year around. The roof divides the area into 3 functional spaces where the first one acts as an entrance encouraging one's attention towards the 2nd zone which is the covered pool area allowing sitting space with a placement of external barbeque following up with the 3rd space which is landscaped as a vegetable garden space.

The aesthetical function works as one entrances, they get engulfed with profound solar energy lit pathway and lushes sent of the greenspace designed to be planted in the boundaries. Upon entering the pergola one can feel the cool breeze due to the waterbody and can relax on the pool recliner chairs. Additionally, kitchen garden is at close proximity with the designed grill/oven. The roof structure grants privacy to the family and at the same time camouflages with the surrounding due to the green roof design.

IMPROVING THE ENVIRONMENT:

As the magnitude of the heatwaves are increasing every year having a covered roof extends the fun time and saves one for getting sun burns. The solar panels placed strategically at an angle that gives maximum exposure to the sunlight. The electrical energy generated by the solar panels are typically stored in batteries. The current provides green energy for the household.

CONCLUSION: Overall, the open roof pool structure is a stunning addition to any backyard, providing a luxurious and serene environment that brings together modern design and natural beauty.

FOLLOWING ARE SOME RENDERS EXPRESSING THE DESIGN IN A VISUAL SENSE.

(A) SECTION FOR THE PROPOSED PLAN

(B) FRONT ELEVATION

(C) BIRDS EYE VIEW

(D) SIDE ELEVATION IN PERSPECTIVE