**Project Information :**

**Project Name: The Jagged House**

**Studio Name: Arkytos**

**Location: Ahmedabad, Gujarat, India**

**Completion Year: 2019**

**Gross Built Area: 3500 sq.ft. (325 SQ.MT)**

**Office Information:**

**Office Name: Shaili Banker Architects**

**Architect Responsible: Ar. Shaili Banker**

**Firm Location: Ahmedabad**

**Email ID: arkytos@gmail.com**

**Web site: http://shailibanker.com/index.html**

**Social Media Accounts: https://www.instagram.com/shaili\_banker\_architects/**

**Photography:**

**Photo credits: Umang Shah**

**Photographer’s website:** [**https://umangshahphotography.com/portfolio**](https://umangshahphotography.com/portfolio)

**Social Media Handle: https://www.instagram.com/umangshahphotography/**

**Other Credits:**

**1. Design firm: Shaili Banker Architects.**

**2. Structure: Rutvik dave.**

**3. Construction: Vivek sareen.**

**4. Site coordinator: Pratik Surti.**

**5. Construction Period: 25 Months**

**Client Brief:**

Set in a dense urban neighborhood, this small family home is situated on a quiet street in the city of Ahmedabad. With neighboring houses located very close, the clients main concern was privacy. However the outside had to be brought in too. This became the main challenge, to accommodate the extensive requirement of five bedrooms, but also to provide the house with maximum possible privacy while also permitting natural light and ventilation.

**Concept Note:**

To achieve this unique brief, skewed planes of reinforced cement concrete and glass were employed to envelope the building. One being opaque while the other transparent. Hence each of this external surfaces were strategically such that the opaque provided privacy while the transparent lead to permit natural light and ventilation.

The monolithic property of reinforced cement concrete was exploited to suspend skewed planes at angles. Slits of glass were created in between this skewed planes of RCC such that the interior had natural light throughout the day.

**Design Process / Project Description**

Set in a dense urban neighborhood, this small family home is situated on a quiet street in the city of Ahmedabad. One of the main challenges here was to provide the house with maximum possible privacy while also permitting natural light and ventilation. For this purpose skewed planes of reinforced cement concrete and glass were employed. Each of these external surfaces of the house were made either opaque to provide privacy or transparent to permit natural light and ventilation.

Several cardboard models were made to understand these surfaces and how its location and orientation will permit natural light throughout the day. Folds and half cuts of the cardboard became the exposed reinforced concrete surfaces, whereas the gap and punctures in between was where the glass was placed for allowing natural light inside. Moreover the summers being extremely hot, the location of the glass in the exterior was key to providing openable windows for cross ventilation.

 Additionally, the sun path was studied to understand the light penetrating inside the house during the day. This sun path determined where the exposed reinforced concrete surface was to be placed so that selective light would enter the house

Moreover reinforced cement concrete planes comprising the exterior of the house were kept exposed so that it doesn’t intrude with the monotonous urban fabric. The façade was thus designed to not be intrusive to the it’s surroundings but at the same time provide extreme privacy and avoid interaction.

The interior however has a very colorful palette creating a contrast to the grey exterior. These colors come to life slowly as the sunlight penetrates and fills up each of these spaces. First is the living room and the foyer that lights up with sunshine due to the tall double height glass windows. While around noon the waterfall and the patio outside the dining is flooded with light such that, the dining room gets lit indirectly just in time for lunch. The waterfall outside the dining provides a soothing view of water cascading down in the brightly lit noon light.

With a total of five bedrooms, three of them have the street view. Since the house has sunlight pouring in all throughout the day, its interior surfaces rendered with an extensive use of color come to life and create a vibrant atmosphere. A small covered terrace on the second floor allows small private social gatherings away from the street level.