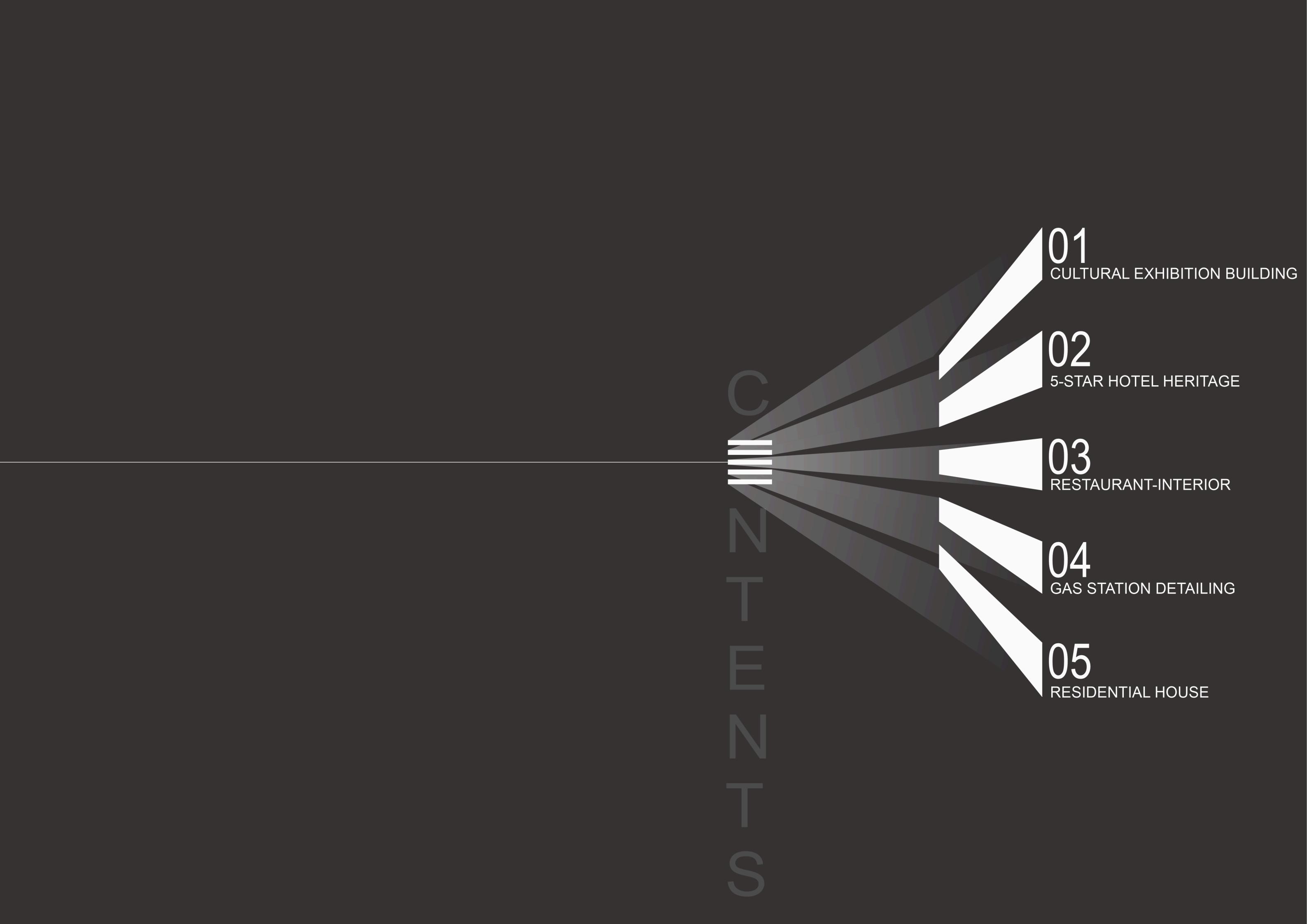


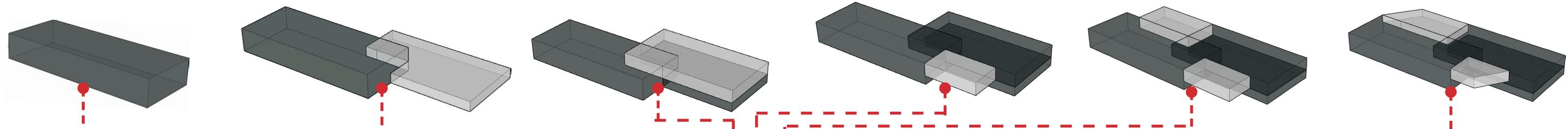
PORTFOLIO

DIVYATA CHAUHAN

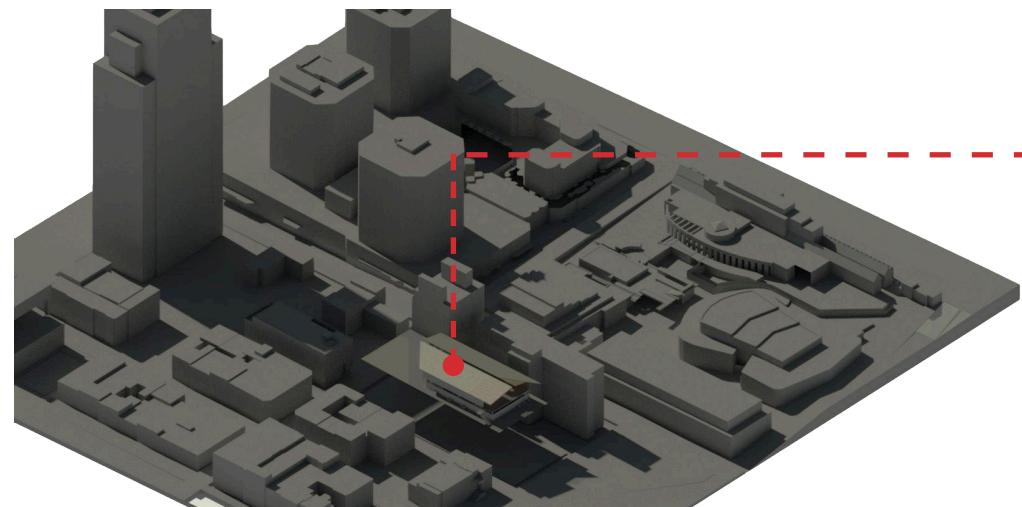


chauhandivyatacan@gmail.com
+1(438)-407-4256

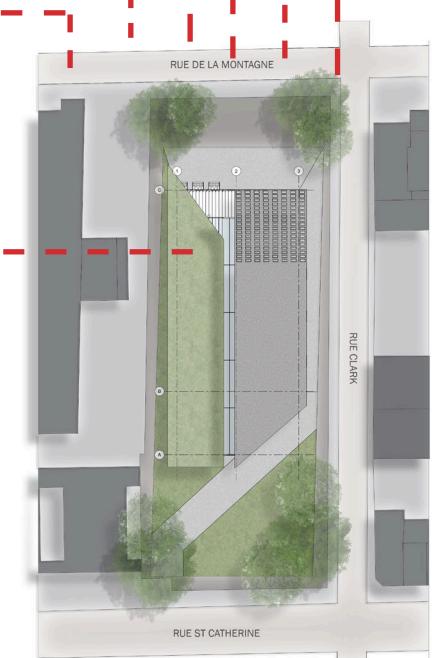
- 
- CONTENTS
- 01 CULTURAL EXHIBITION BUILDING
 - 02 5-STAR HOTEL HERITAGE
 - 03 RESTAURANT-INTERIOR
 - 04 GAS STATION DETAILING
 - 05 RESIDENTIAL HOUSE



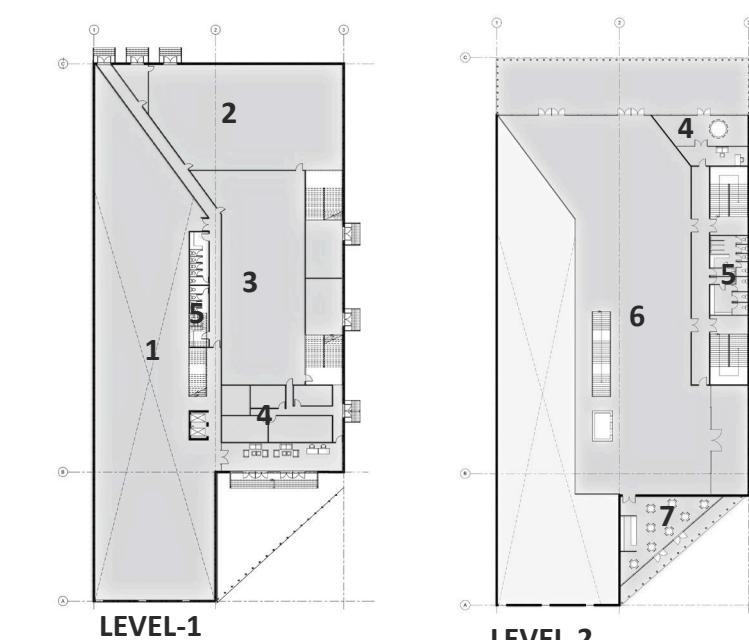
CONCEPTUAL STUDY



SITE



SITE PLAN



- LEVEL 1:** 2210 sq.m
- LEVEL 2:** 1579 sq.m
- 1:** EXHIBITION-1
- 2:** STORAGE AREA
- 3:** WORKSHOP
- 4:** ADMIN OFFICES
- 5:** RESTROOMS
- 6:** EXHIBITION -2
- 7:** CAFE



SECTIONAL 3D



SECTION-1



SECTION-2

PROJECT LOCATION: MONTREAL, CANADA

SITE AREA: 5480 sq.m

BUILT-UP AREA: 3789 sq.m

DURATION: 3 WEEKS

PROJECT DESCRIPTION: The project was to design cultural exhibition space in the heart of Montreal in the zone of Place Des Arts.

SOFTWARE USED: Revit, Adobe InDesign, Photoshop, 3ds Max, Google Sketchup

CULTURAL EXHIBITION BUILDING 01



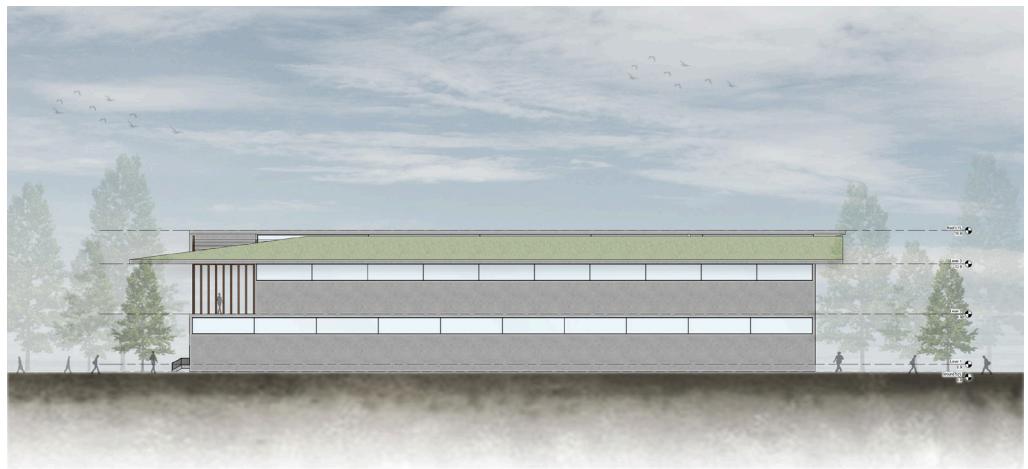
BIRD'S VIEW-REAR



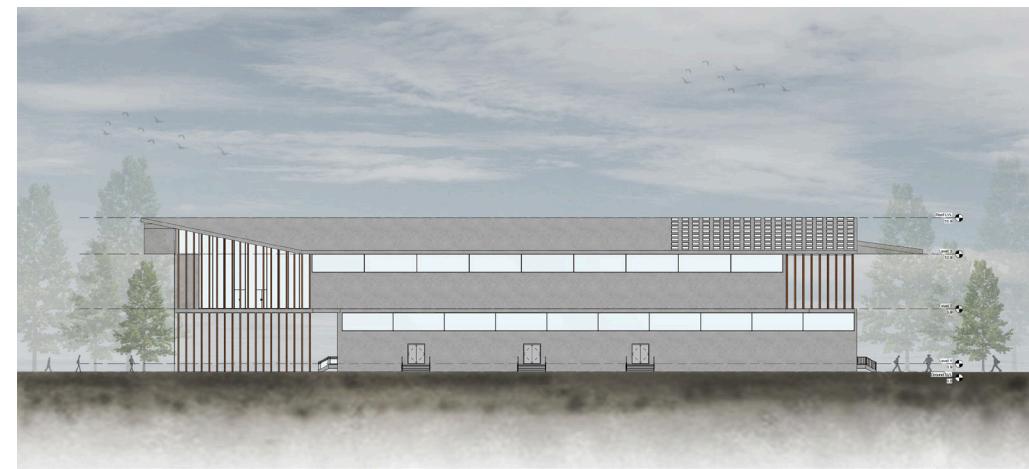
BIRD'S VIEW-FRONT



WEST ELEVATION



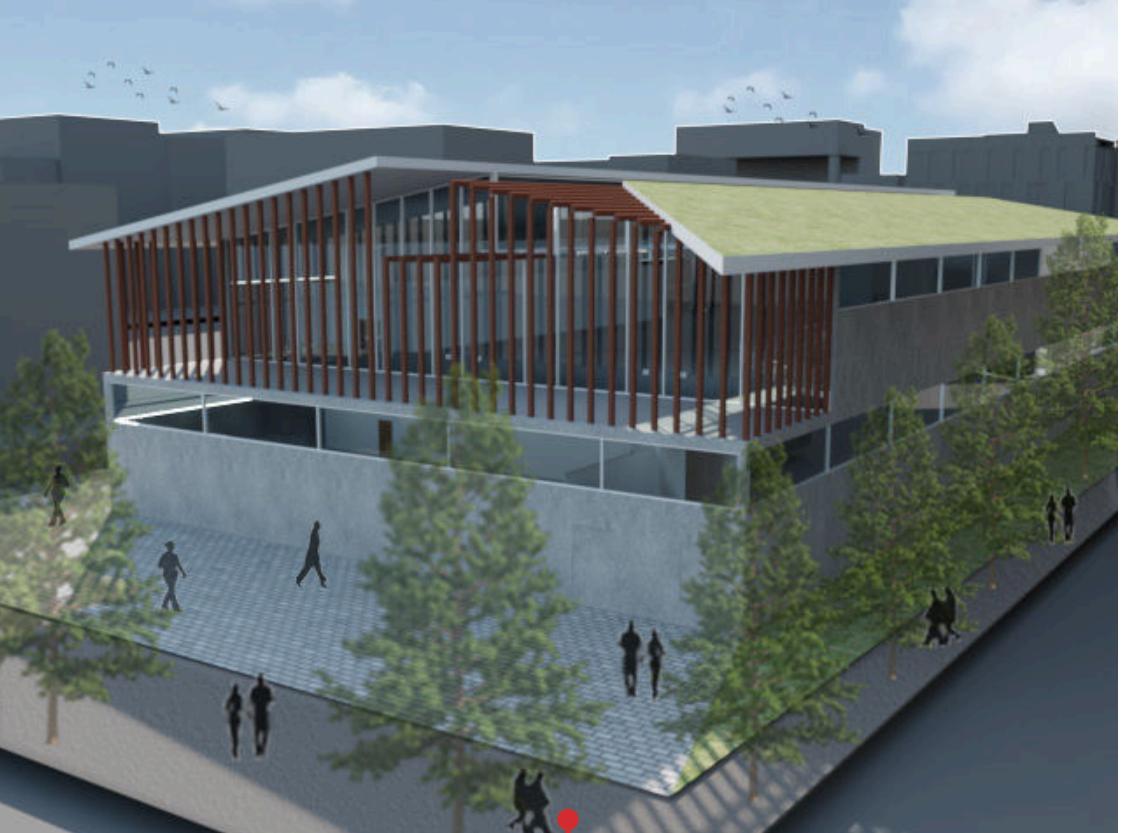
SOUTH ELEVATION



NORTH ELEVATION

PROJECT DESCRIPTION AND REQUIREMENT

AS THIS WAS A CULTURAL SPACE IN PLACE DES ARTS, THE SITE SPACE AND BUILDING REQUIREMENT WAS IN RELEVANCE WITH THE SURROUNDING AREA. THE REQUIREMENT WAS BIFURCATED INTO PUBLIC AND OFFICE SPACE WITH THE REQUIREMENTS OF WAREHOUSE, WORKSHOP, ADMIN OFFICE, SERVICES AND 2-EXHIBITION AREAS. THE CONCEPT OF THE PROJECT WAS BASIC WITH THE PLAY OF CUBES. THE REQUIREMENT OF CONCEPT WAS TO HAVE COMMON SPACES, INTERRELATED SPACES WHICH WAS ACHIEVED THROUGH DOUBLE HEIGHT, AS WELL AS INCORPORATING GLASS AND STRIP OF WOOD TO ACHIEVE THE PURPOSE OF CONNECTION WITH EXTERIOR SPACES AND LASTLY INCORPORATING SUSTAINABLE ASPECTS SUCH AS **GREEN ROOF, SOLAR PANEL, USE OF PASSIVE HEATING, PERMEABLE PAVERS.** ALSO INDIRECT LIGHTING WAS MAJORLY USED IN THE PROJECT TO RESPECT THE DECORUM OF EXHIBITION SPACE.



BACK VIEW



FRONT VIEW

PROJECT LOCATION: MONTREAL, CANADA

SITE AREA: 5480 sq.m

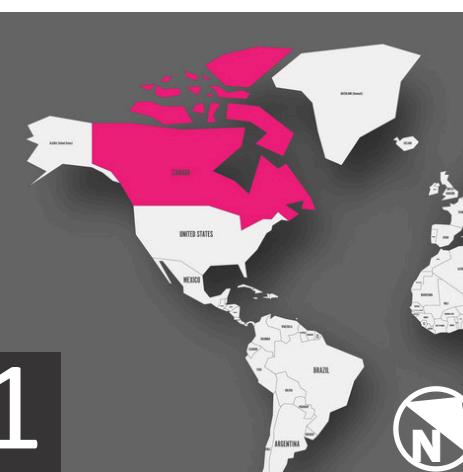
BUILT-UP AREA: 3789 sq.m

DURATION: 3 WEEKS

PROJECT DESCRIPTION: The project was to design cultural exhibition space in the heart of Montreal in the zone of Place Des Arts.

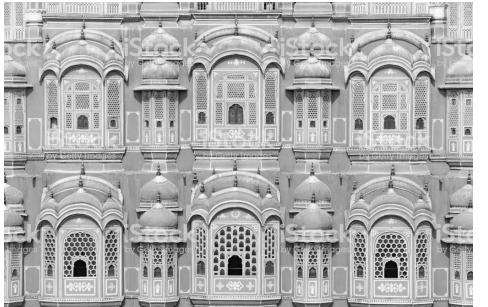
SOFTWARE USED: Revit, Adobe Indesign, Photoshop, 3ds Max, Google Sketchup

CULTURAL EXHIBITION BUILDING 01

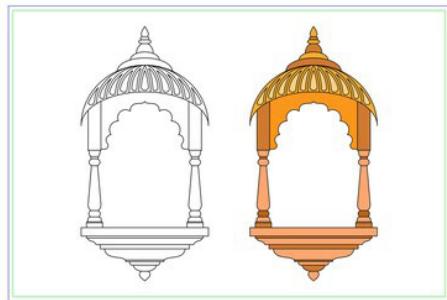


SUSTAINABLE STRATEGIES

BASIC CONCEPTUAL FEATURES



HERITAGE WINDOW FACADE

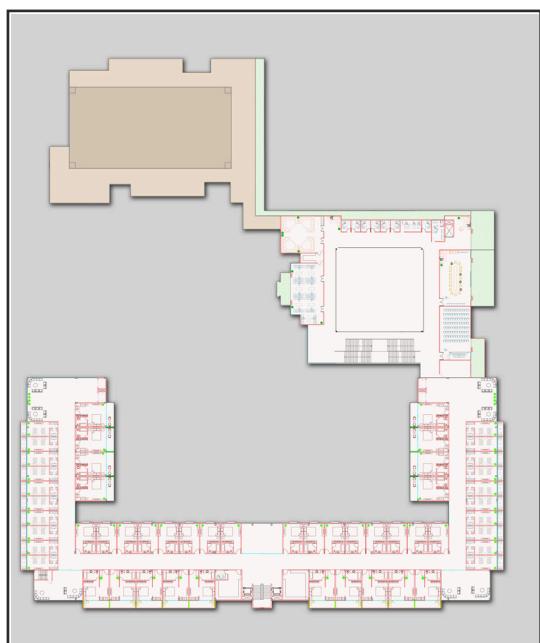


HERITAGE JHAROKHAS

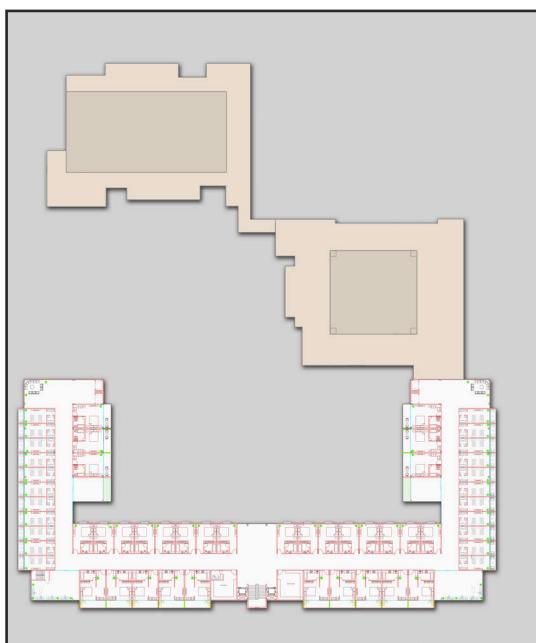
LEVEL 1: 8212 sq.m
LEVEL 2: 8212 sq.m
LEVEL 3: 4754 sq.m
LEVEL 4: 2305 sq.m
LEVEL 5: 1572 sq.m



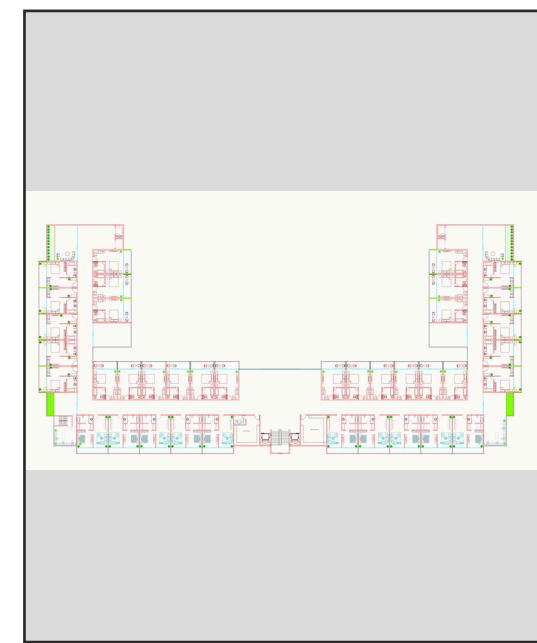
SIDE ELEVATION



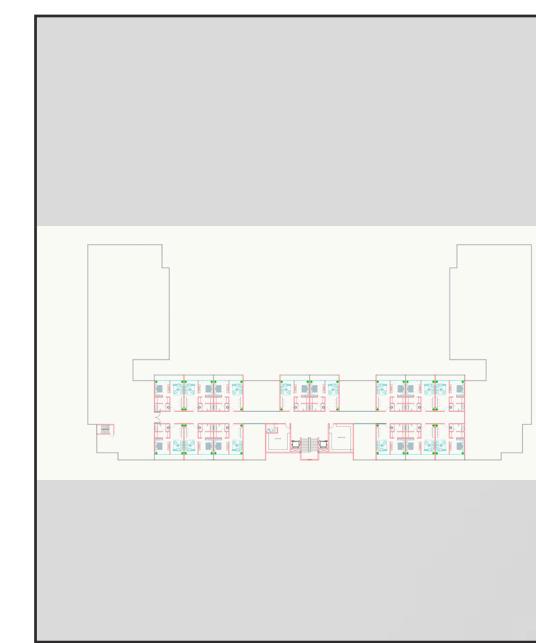
LEVEL-1



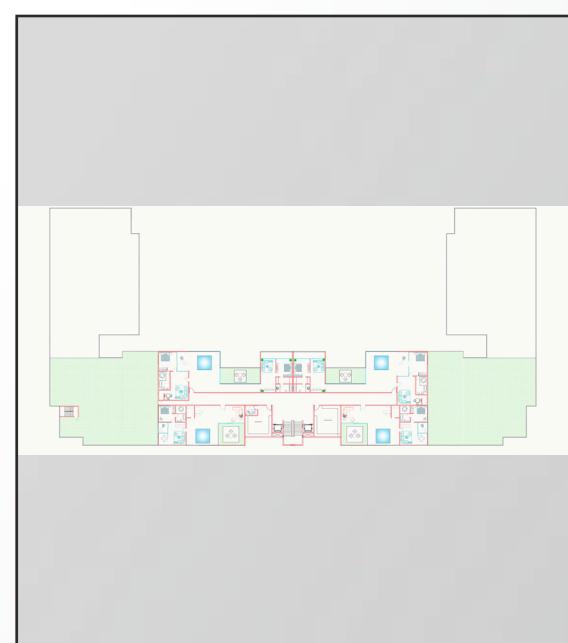
LEVEL-1



LEVEL-1



LEVEL-1



LEVEL-1

PROJECT LOCATION: JAIPUR, INDIA

SITE AREA: 29,913 sq.m

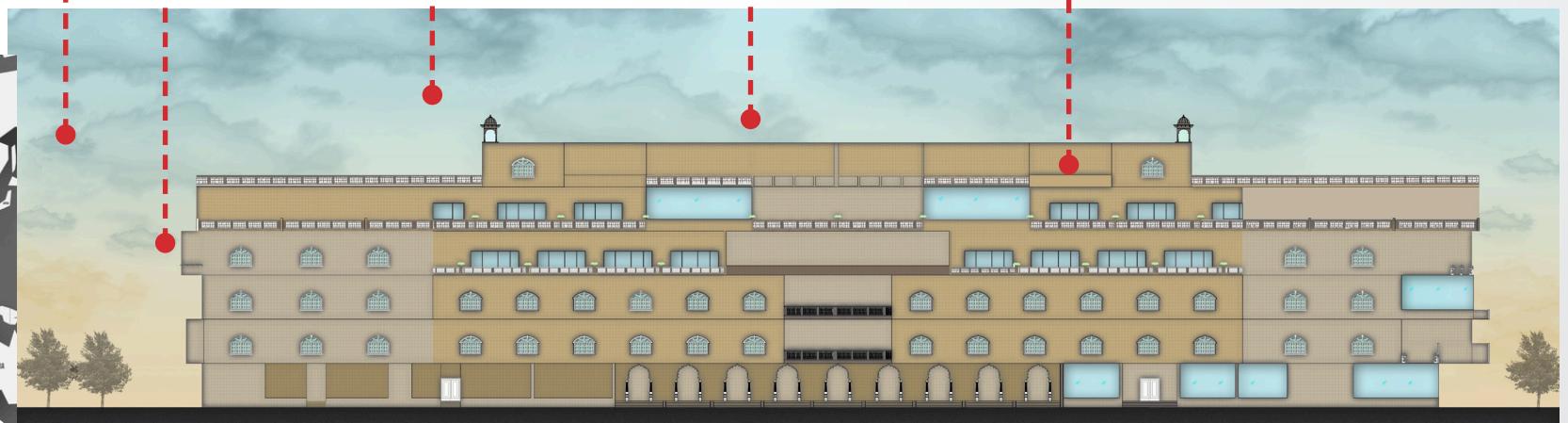
DURATION: 3 MONTHS

PROJECT DESCRIPTION: The project and the concept of the five star heritage hotel was inspired from the city of Jaipur in India. The city is covered with several monuments and palaces featuring from 11th century to the latest 19th century. That is from where the concept of hotel came through as it was a tourist spot.

SOFTWARE USED: Adobe Indesign, Photoshop, Autocad, Google Sketchup

FIVE STAR HOTEL HERITAGE

02



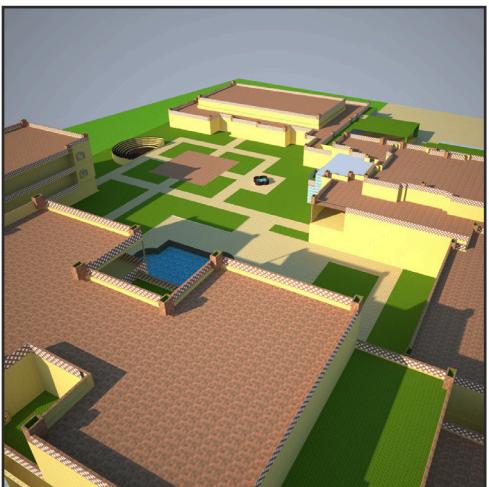
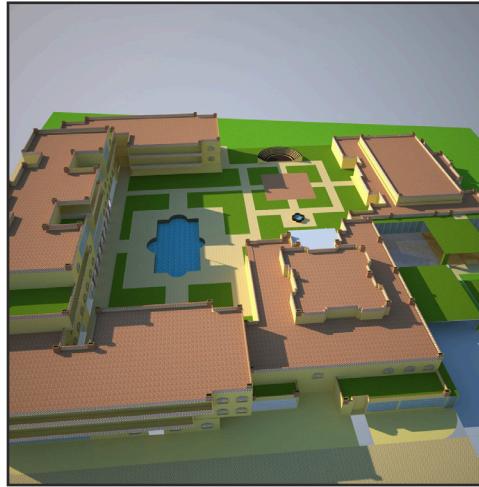
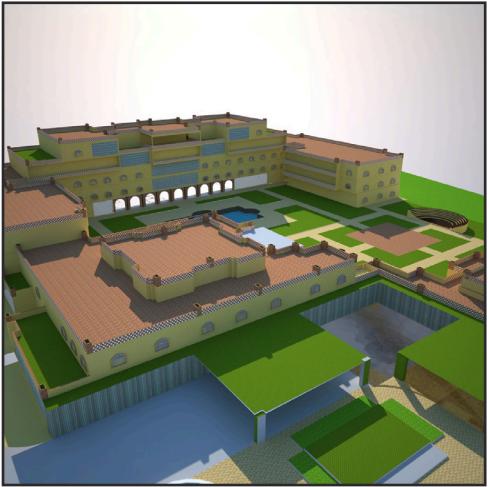
FRONT ELEVATION



SECTION-1



SECTION-2



PROJECT LOCATION: JAIPUR, INDIA **3D-VIEWS**

SITE AREA: 29,913 sq.m

DURATION: 3 MONTHS

PROJECT DESCRIPTION: The project and the concept of the five star heritage hotel was inspired from the city of Jaipur in India. The city is covered with several monuments and palaces featuring from 11th century to the latest 19th century. That is from where the concept of hotel came through as it was a tourist spot.

SOFTWARE USED: Adobe Indesign, Photoshop, Autocad, Google Sketchup



FIVE STAR HOTEL HERITAGE 02



32.M WIDE ROAD

SITE PLAN



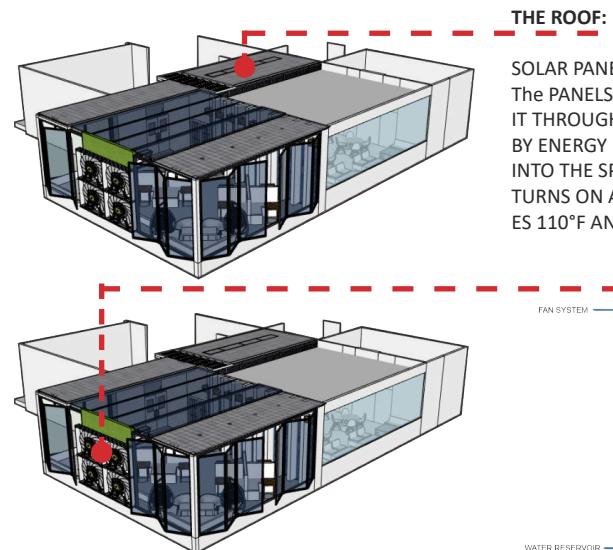
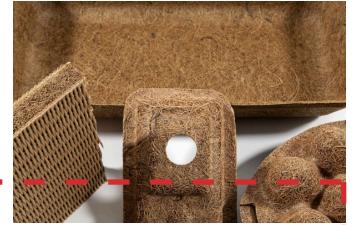
CEILING MATERIAL

PAPERTILE IS A MONTREAL BASED FIRM THAT DESIGNS AND MANUFACTURES WALL COVERINGS MADE FROM 100% POST-CONSUMER RECYCLED PAPER. IT BEGAN AS A MATERIAL EXPLORATION CONDUCTED BY DEAR HUMAN, A DESIGN DUO WHO BELIEVES THAT SUSTAINABLE AND BEAUTIFUL ARE A WINNING MIX. PAPERTILE OFFERS INNOVATIVE AND ORIGINAL PRODUCTS FOR SUSTAINABLE URBAN INTERIORS.



CEILING MATERIAL

A COMBINATION OF 60% COIR (COCONUT) FIBRES AND 40% NATURAL LATEX, THIS MOLDABLE FIBROUS COMPOSITE OFFERS EASY FORMABILITY OF COMPLEX SHAPES WITH GOOD DIMENSIONAL STABILITY.



THE ROOF:

SOLAR PANELS HEATING AND COOLING SYSTEM
The PANELS PULLS COOL AIR FROM THE SPACE, CHANNELS IT THROUGH THE ABSORBER PLATE WHERE IT'S WARMED BY ENERGY FROM THE SUN, THEN CIRCULATES IT BACK INTO THE SPACE. A BUILT-IN THERMOSTAT AUTOMATICALLY TURNS ON A BLOWER WHEN THE ABSORBER PLATE REACHES 110°F AND SHUTS OFF THE BLOWER AT 90°F.

BOTANICAL BIO-FILTRATION SYSTEM:

THE BIO-FILTRATION SYSTEM USED IN THESE TRIALS WAS A COMMERCIAL ACTIVE LIVING WALL BIO FILTER, WHICH IS FREE STANDING INDOOR PLANT WALL. THE SYSTEM IS COMPOSED OF TWO FUNCTIONAL COMPONENTS: (1) AN INORGANIC GROWING MEDIA TO SUPPORT PLANT VIABILITY, ALONG WITH ACTIVATED CARBON TO ASSIST IN VOC REMOVAL, WHICH ACTS AS A BIO-FILTER THROUGH WHICH AMBIENT INDOOR AIR IS DRAWN WITH AN INTEGRAL ELECTRIC FAN, AND (2) THE SYSTEM HOLDS 63 PLANTS WHICH GROW HORIZONTALLY FROM CIRCULAR COMPARTMENTS IN THE FRONT VERTICAL FACE OF THE CASING, WHICH IS 150 x 100 CM IN AREA. THE PLANT SPECIES USED IN THE EXPERIMENTAL GREEN WALL UNITS WERE 18 INDIVIDUAL PHILODENDRON SCANDENS, 13 PHILODENDRON SCANDENS 'BRAZIL', 19 ASplenium ANTIQUUM, AND 13 SYNGONIUM PODOPHYLLUM. THESE PLANT SPECIES ARE POPULAR IN INDOOR PLANT WALL ARRANGEMENTS AND WERE SELECTED ON THIS BASIS ALONE RATHER THAN THE ABILITY TO REMOVE VOC.



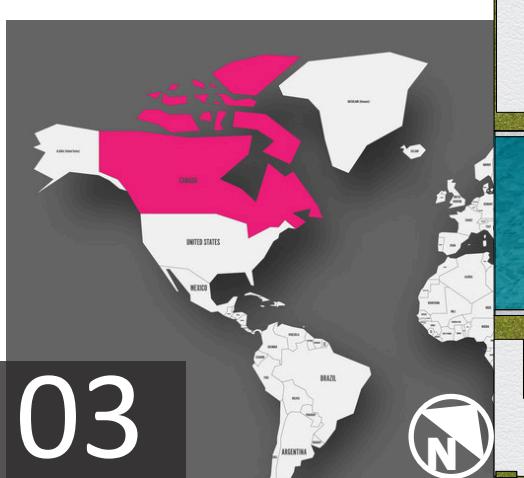
PROJECT LOCATION: MONTREAL, CANADA
PROJECT AREA: 190 sq.m
PROJECT DURATION: 3 WEEKS

PROJECT DESCRIPTION: The project is of Zen style interior with most the elements structural, materials and lighting resources to be made of sustainable sources which maintains the indoor environment quality of the space. The requirements of the project were pretty basic with minimum of 70-100 seating with most of the indoor elements and material to be used should be sustainable and environmental friendly.

SOFTWARE USED: Adobe Illustrator, Autocad InDesign, Photoshop, 3ds Max, Google Sketchup

RESTAURANT-INTERIOR

03



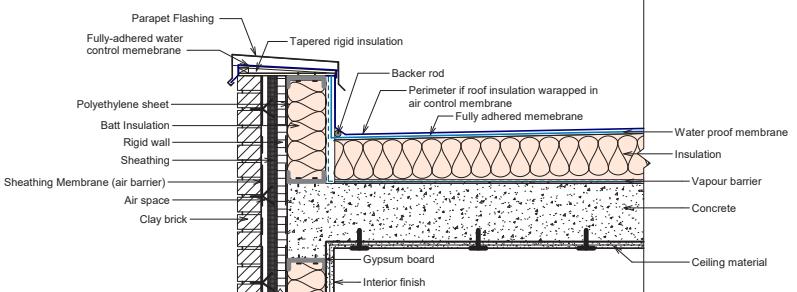
FIBRE BOARD FLOORING

THEY MAKE FLOORBOARDS FROM COCONUT PALM TREES, THE WOOD COMES FROM THE ACTUAL TRUNK AND IS JUST CUT STRAIGHT INTO PLANKS OF SOLID PALM WOOD. IT COULD ALSO BE USED FOR CLADDING WALLS AND MAKING FURNITURE

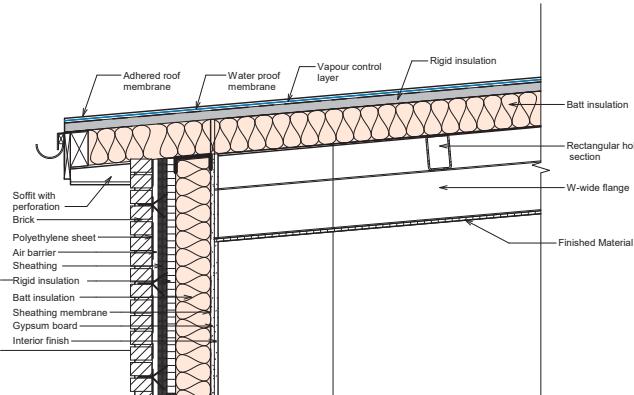


CLADDING MATERIAL-ECONYL

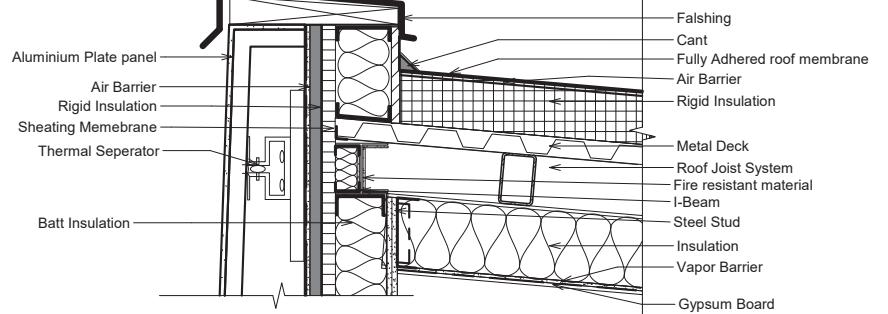
THE ECONYL- NYLON IS NOT ONLY 100% REGENERATED, IT IS ALSO REGENERABLE. THESE DISCARDED FISHING NETS, FLUFF (UPPER PART OF THE CARPET) AND PLASTIC COMPONENTS WILL BE TRANSFORMED INTO NYLON FOR CARPETS, HAVING THE SAME QUALITY AS VIRGIN NYLON. WHEN THE CARPETS REACH THE END OF THEIR LIFE-CYCLE, THE FLUFF CAN BE REGENERATED BACK INTO NEW FIBRE, WITHOUT ANY LOSS OF QUALITY.



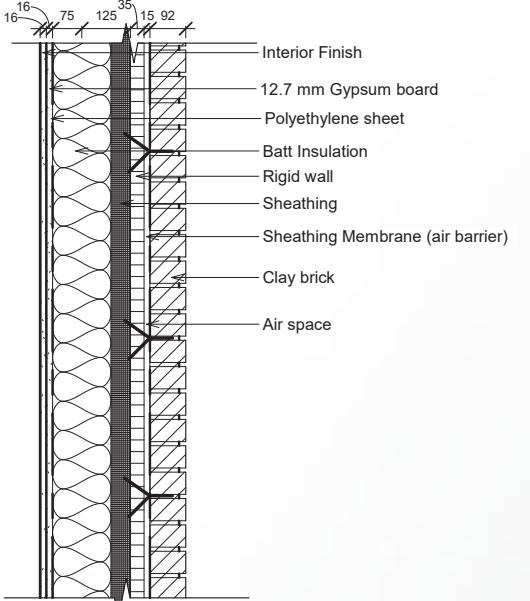
WALL PARAPET CONCRETE SLAB DETAIL



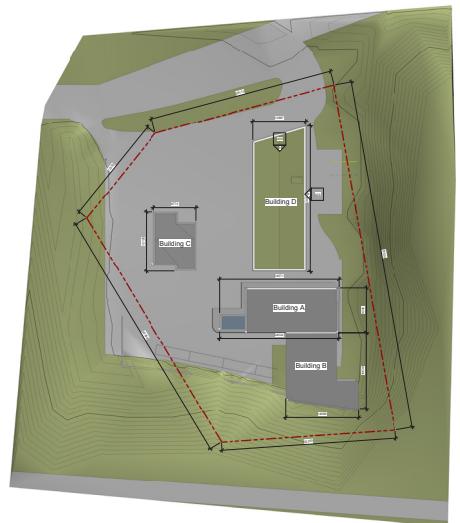
RAIN GUTTER DETAIL



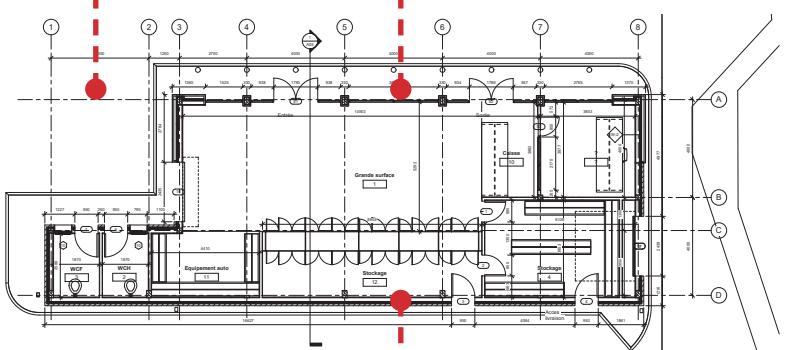
SLOPED ROOF DETAIL



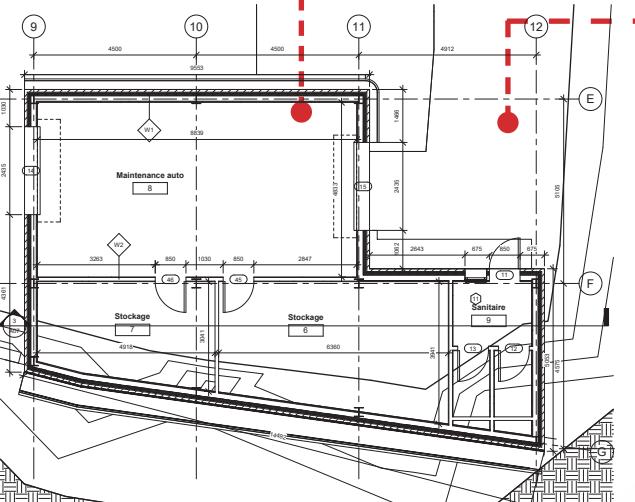
BRICK JUNCTION DETAIL



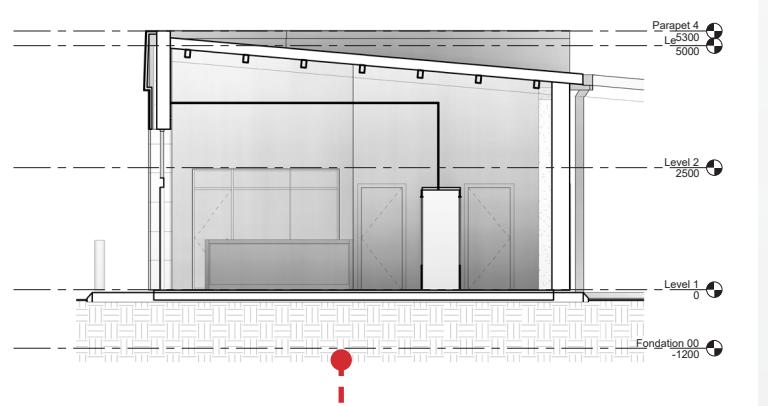
SITE PLAN



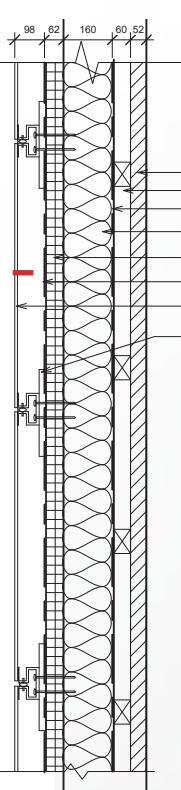
BUILDING-A PLAN



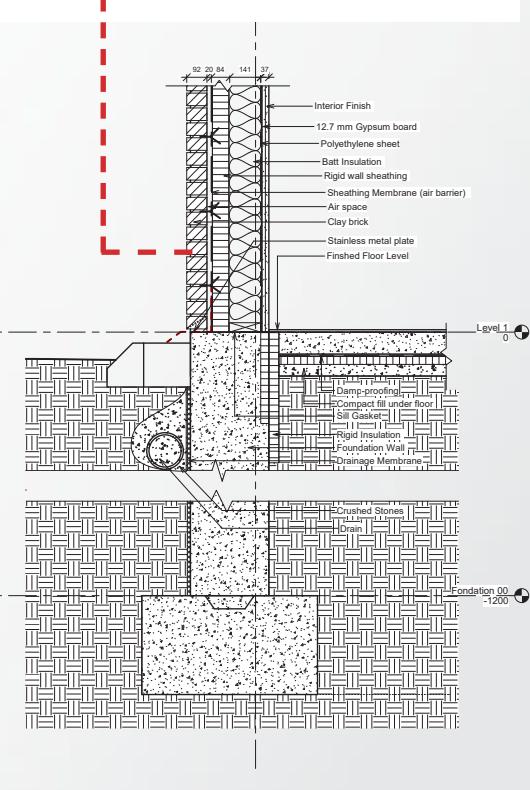
BUILDING-B PLAN



SECTION-A



GREEN ROOF DETAIL



ALUMINIUM WALL PANEL DETAIL



FOUNDATION BRICK WALL FLOOR DETAIL

PROJECT LOCATION: MONTREAL, CANADA

SITE AREA: 3021 sq.m

BUILT-UP AREA: 885 sq.m

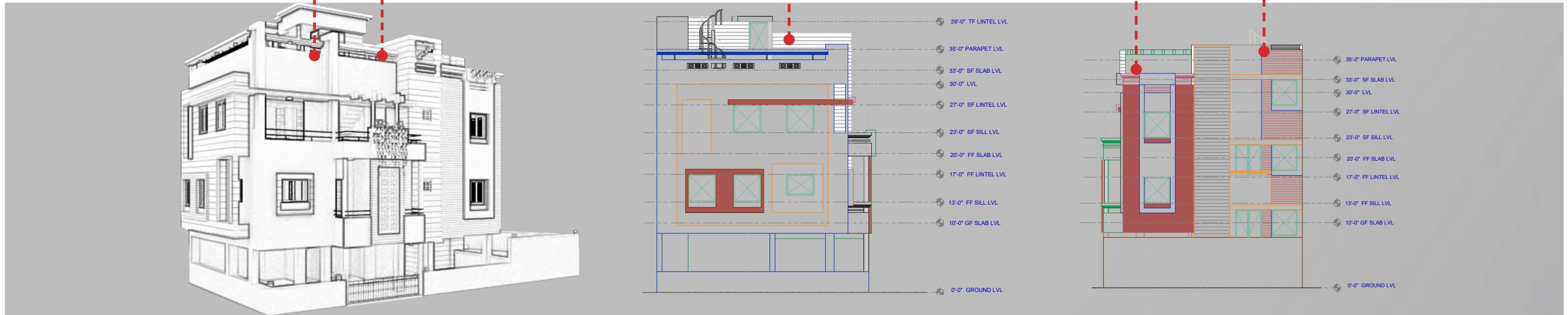
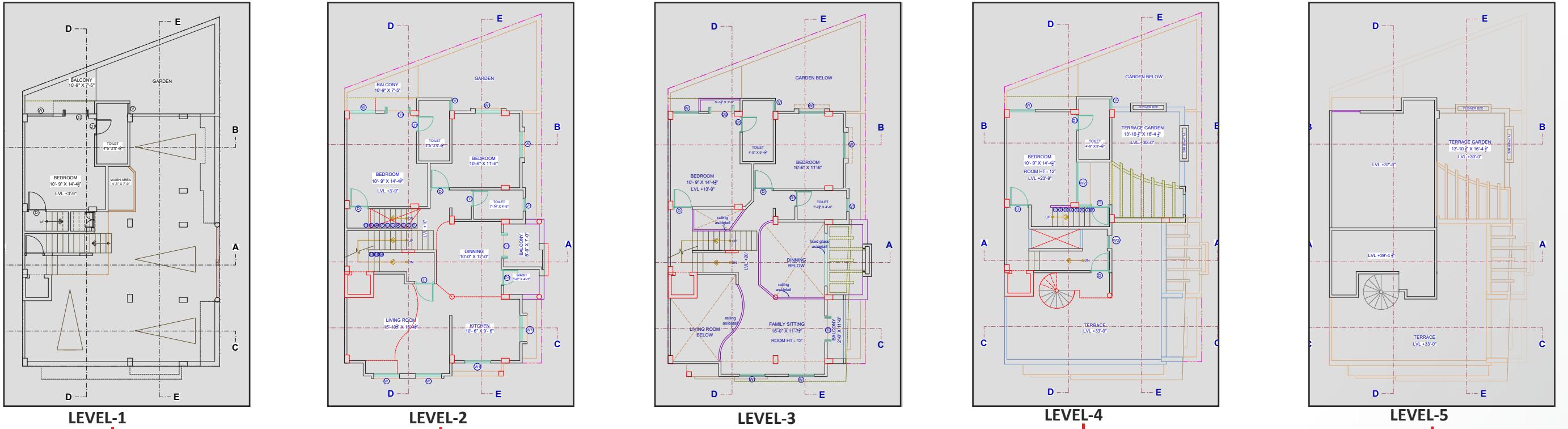
PROJECT DURATION: 3 WEEKS

PROJECT DESCRIPTION: The purpose of this project was mainly to understand various characteristics related to construction drawing, also the understand various type of details in walls,floors,roof and foundation with different materials used.

SOFTWARE USED: Revit

GAS STATION-DETAILING 04





PROJECT LOCATION: VADODARA, INDIA

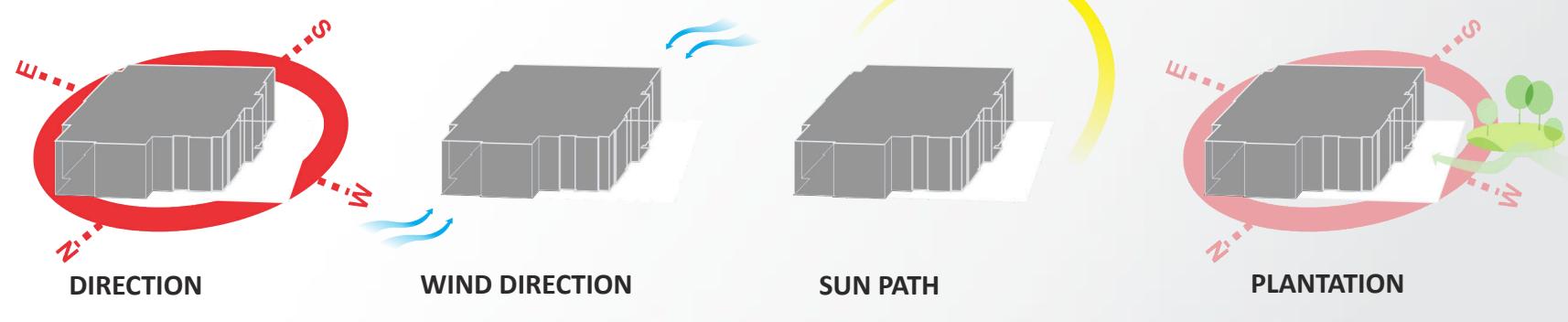
SITE AREA: 1471 sq.ft

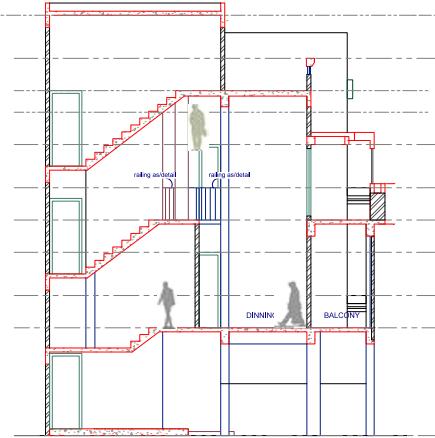
PROJECT DURATION: 2 MONTHS

PROJECT DESCRIPTION: The concept of the residential bungalow was in accordance with the requirement and functionality of the building, the requirement was to incorporate corelated and private spaces.

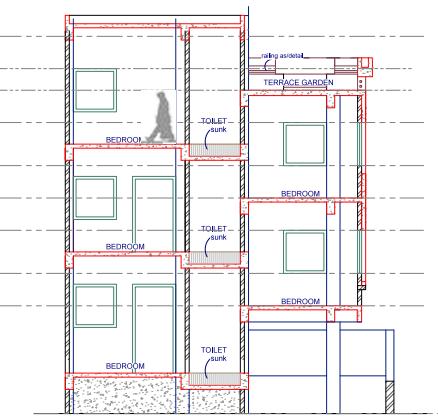
SOFTWARE USED: Adobe Indesign, Autocad, Google Sketchup

RESIDENTIAL HOUSE

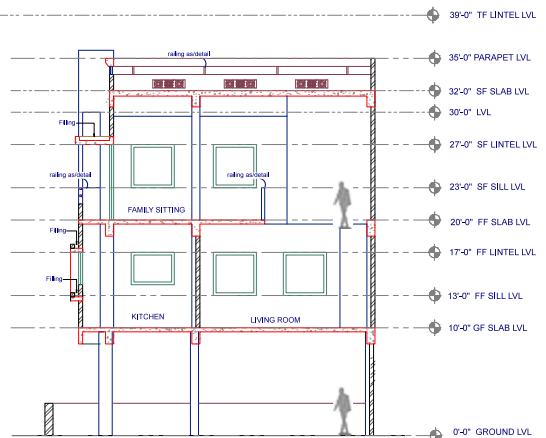




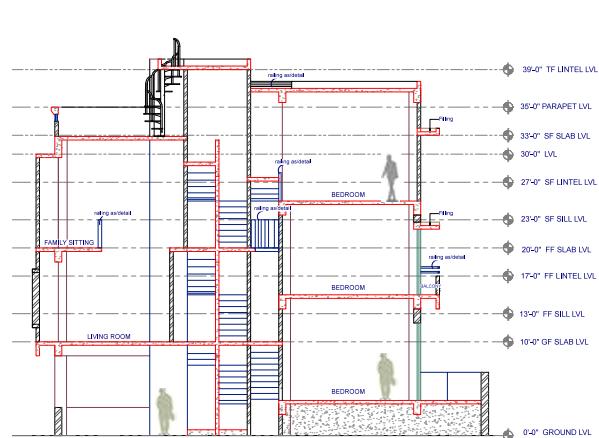
SECTION-A



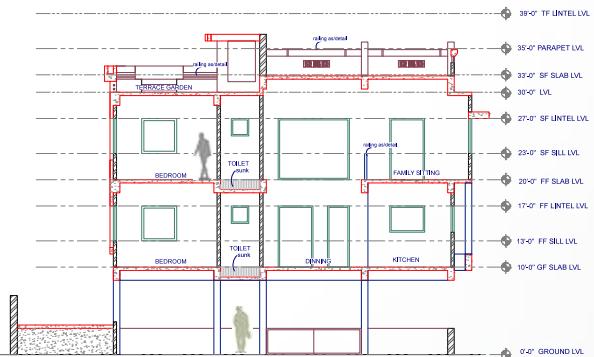
SECTION-B



SECTION-C



SECTION-D



SECTION-E



PROJECT LOCATION: VADODARA, INDIA

SITE AREA: 1471 sq.ft

PROJECT DURATION: 2 MONTHS

PROJECT DESCRIPTION: The concept of the residential bungalow was in accordance with the requirement and functionality of the building, the requirement was to incorporate correlated and private spaces.

SOFTWARE USED: Adobe Indesign, Autocad, Google Sketchup

3D-VIEWS



LEVEL 1: 1471 sq.ft

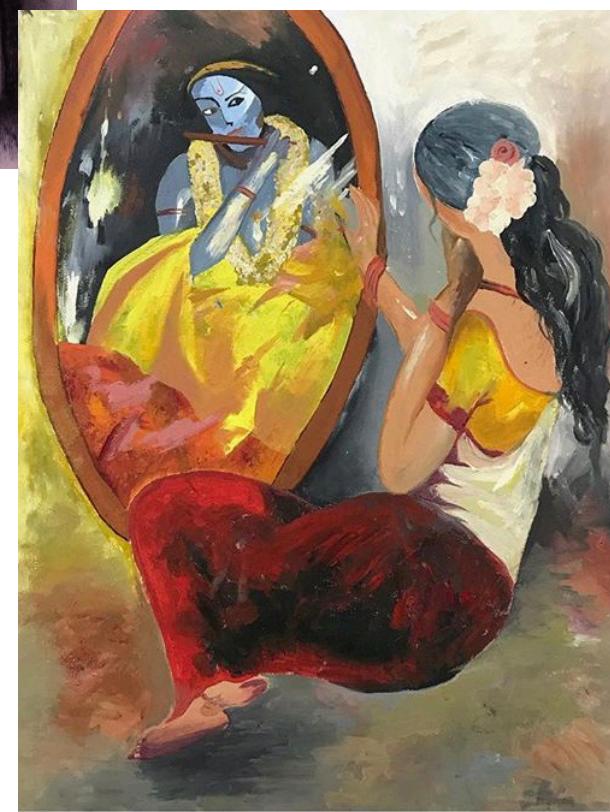
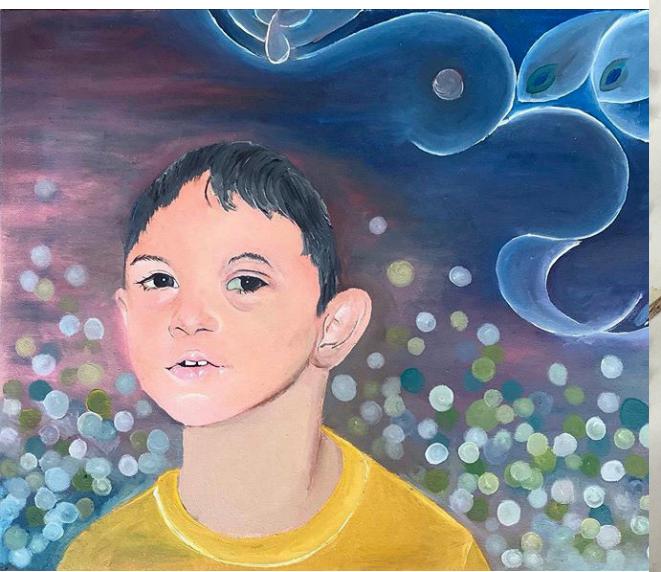
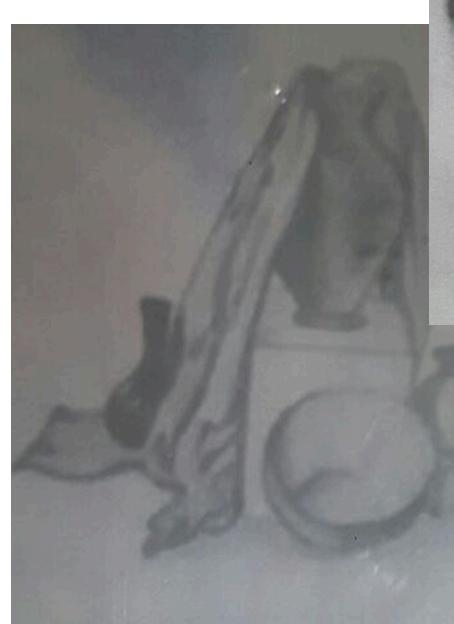
LEVEL 2: 1216 sq.ft

LEVEL 3: 1131 sq.ft

LEVEL 4: 514 sq.ft

PROJECT DESCRIPTION AND REQUIREMENT

THE FAMILY OF THE CLIENT WAS A JOINT FAMILY AND THE AREA OF THE SITE WAS COMPACT AS 1471 SQ.FT, THE CLIENT WANTED TO ACCOMODATE ATLEAST 3-4 BEDROOMS AND SHOULD ALSO HAVE PRIVATE AND CORELATED SPACE, THE BASES OF THE DESIGNING WAS TOTALLY RELIABLE TO THE FUCNTIONALITY OF THE PROJECT, SO THE AMENITIES SUCH AS PARKING AND SERVANT'S QUARTER WAS ALLOTED TO THE GROUND FLOOR, WITH THE DEMAND OF THE SEMI PRIVATE SPACE THE BEDROOM WERE ALLOTED TO DIFFERENT LEVELS AND THATS HOW WE PLAYED WITH LEVEL VARIOUS ZONES OF COMMON SPACE WAS INTRODUCED WITH FORMATION OF DOUBLE HEIGHTS AS WELL. THE EXTERIOR FACADE WAS SIMPLE AMMALGAMATION OF BOXES TO KEEP IN RYTHM WITH THE CONTEXT OF THE SITE AND BUILDING.



MISCELLANEOUS