IN AN ATTEMPT TO INTEGRATE THE OUTSIDE WORLD INTO AN ENCLOSED STRUCTURE, I UTILIZED THE NATURAL TOPOGRAPHY OF THE SITE AS WELL AS THE BUILDING FORM TO ELICIT THE EMOTIONAL RESPONSE ONE MAY FEEL WHEN THEY INHABIT THE GREAT OUTDOORS. THE LODGE GUESTS MAY NAVIGATE THROUGH THE BUILDING BY TRAVELING ALONG A PATH THAT WEAVES THROUGHOUT THE NATURAL LANDSCAPE. THE GUESTS WILL FIND THEMSELVES AT EASE WHEN PASSING THROUGH OR ENJOYING THE SPECIFIC MOMENTS OF BEAUTY THIS BUILDING ENCAPSULATES.
HI, I'M A STUDENT AT PARADISE HIGH SCHOOL.

ON NOV, 2018, I AND 90% OF MY FRIENDS LOST THEIR HOMES TO THE DEVASTATING CAMPFIRE.

I TOLD MY ARCHITECTURE FRIEND ABOUT MY FAVORITE LOOKOUT SPOT.

THE FRESH AIR AND TREES ALLOW ME TO CLEAR MY HEAD.

I MEAN...
1. MAIN ENTRY
2. SECONDARY ENTRY
3. DROP-OFF
4. HOTEL PARKING
5. RESTAURANT PARKING
6. PARK
7. LOOKOUT
1 MECHANICAL
2 PRIVATE LOUNGE

LEVEL 1

1 RESTAURANT
2 KITCHEN
3 RESTROOMS
4 GYM
5 CAFE/BAR
6 ADMIN.
7 LOUNGE
8 LOBBY
9 LOOKOUT

LEVEL 2
- **RADIANT HEATING**: Utilization of radiant heat to reduce space required for heating systems.
- **PHOTOVOLTAIC PANELS**: Off-grid photovoltaic systems reduces overall energy consumption.
- **POTABLE WATER**: Water collected from lower occupiable roof, stored and treated below.
- **GREEN ROOF**: A natural form of insulation, vapor barrier, and overall connection to nature.
- **THERMAL MASS - STRUCTURE**: Utilization of concrete structural system allows for solar heat gain.
- **NATURAL VENTILATION**: Building orientation and stairway transitions allow for natural ventilation.

Building orientation and stairway transitions allow for natural ventilation.

- **Building Section**
- **July Sun** at 3PM
- **Dec. Sun** at 3PM

- **Green Roofs**: A natural form of insulation, vapor barrier, and overall connection to nature.
- **Utilization of Radiant Heat** to reduce space required for heating systems.
- **Off-grid Photovoltaic Systems**: Reduces overall energy consumption.
- **Water Collection**: Water collected from lower occupiable roof, stored and treated below.
- **Thermal Mass – Structure**: Utilization of concrete structural system allows for solar heat gain.
- **Natural Ventilation**: Building orientation and stairway transitions allow for natural ventilation.
THE PROGRAM OF THE LODGE IS SEPARATED BY TWO BARS; THE LOWER BAR BUILDING IS PRIVATE WHILE THE UPPER BAR IS PUBLIC. THE TWO BARS CONNECT WITH STAIRWAY PORTALS.

WHILE MAJORITY OF THE GLAZING FACES WEST, I MUST UTILIZE ADEQUATE SOLAR SUN SHADING DUE TO THE HIGH ALTITUDE OF THE SUMMER SUN (50 DEGREES AT 3PM).

DUE TO THE VERY LOW WINTER SUN ANGLE (15 DEGREES AT 3PM) AND THE WEST FACING GLAZING, I MUST TAKE ADVANTAGE OF STRUCTURAL MATERIALS FOR SOLAR HEAT GAIN.

A COMBINATION OF MIXED AIR (ACTIVE SEASON), NATURAL VENTILATION (PASSIVE SEASON) WILL REDUCE THE TOTAL AMOUNT OF ENERGY REQUIRED TO MEET COMFORT STANDARDS.