Ideas and Ingredients

From the Arxiu Històric de la Ciutat de Barcelona, Mies's pavilion acts as a background behind the 8 columns. In fact, the Pavilion is the end of journey for people passing Font Magica De Montjuïc’s landscape to its end and acts as a resting place. Definition of columns in Mies's Pavilion was different to traditional Ionic columns neighboring his design. In fact, "Verticality" of stone on Ionic columns is changed to "Horizontality" in Mies's Pavilion. The message is the transition that took place in 1929 from classic to modernism in Barcelona pavilion. The transition is understood by mitigation of verticality to horizontality and from closeness of stone to openness of glass. Consequently, the new proposal follows the principal of having transition on its columns' shape from circular form of Ionic columns on their base to tectonic shapes for their capital and evokes to more complexity presenting the path from the past to future. The flute lines of Ionic columns are translated to vertical straight lines joining the two extreme sections on top and bottom of columns. The straight lines in new proposal are placed with frequent gaps on surface of columns to create different shades of gray in making shadows during the day. As a result, the shadows of 8 proposed columns will aim to improve the quality of area by creating a welcoming texture for public promenade during the day. Indeed, the LED extrusions on columns will create a dynamic pattern at night times illuminating the dark space in front of Barcelona Pavilion.

Stone Surfaces on Mies Pavilion stand perpendicular to shadows of Ionic stone columns on site. The harmony repeats on stone panels and the shadows of Ionic Columns.
Material and Assembly

"Shades of Grey" examines the past values, evaluates the present and evolves opportunities for future. Over the last decades advances of technology have enabled light to become a spectacular tool for modern artists experimenting with dramatic displays of illumination. Art, science and technology collide at the Shades of Grey installation in front of Barcelona Pavilion. The installation creates an immersive experience for visitors. The top and bottom and two middle sections of columns are made of solid material (White panels). The vertical lines are made of LED light ropes that are orchestrated to create endlessly changing patterns and shapes. This creates an art product for public space that will be accomplished within $15,000.00 budget of project. Indeed, the installation gets assembled within a reasonable time and gets disassembled easily for being installed in another location. The lighting installation gives a 3d dimensional look. The light use in the light bar is made of the finest materials that can be easily disposed of. Since this proposal uses LEDs, the installation does not consume much energy. The LEDs can constantly change color from white to yellow to orange to red and green, creating a perfect ambience. The top, bottom and middle panels are supported by vertical connectors to provide necessary structure to hold the LED parts. Each of 8 columns has its own complexity and form to shape a dynamic installation that will play with aspects of perspective and illusion. The columns in average have 1200mm x 750mm base and about 8000mm high. Each column will need about 250m that will be fixed to metal plates at top, bottom and two middle sections. Each column will cost approximately about (USD) $2000.00 to be built. Indeed, each column will be anchored to an underground continuous plate at columns' locations. As the installation is a lightweight system, there will be no need for heavy foundation construction. This provides the opportunity of easy assembly of installation in any other location.