

STEIGENBERGER HOTEL – CAIRO

Façade Lighting Presentation



**Lighting designer:
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LIGHTING THE FUTURE

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Project Description



- The prime architect was 
- The project has two adjacent buildings with 12 stories each.
- The first one was the head office for a Bank and the second one which is now completed used to be Novotel and after construction became Steinberger.
- The project is located in down town Cairo -Tahrir -square one of the most famous squares in Egypt that housed the 25 January 2011 revolution.
- The design of this project was completed in 2011 and the construction is completed this year 2017.

Design concept



During the design process we offered two alternatives for the design,

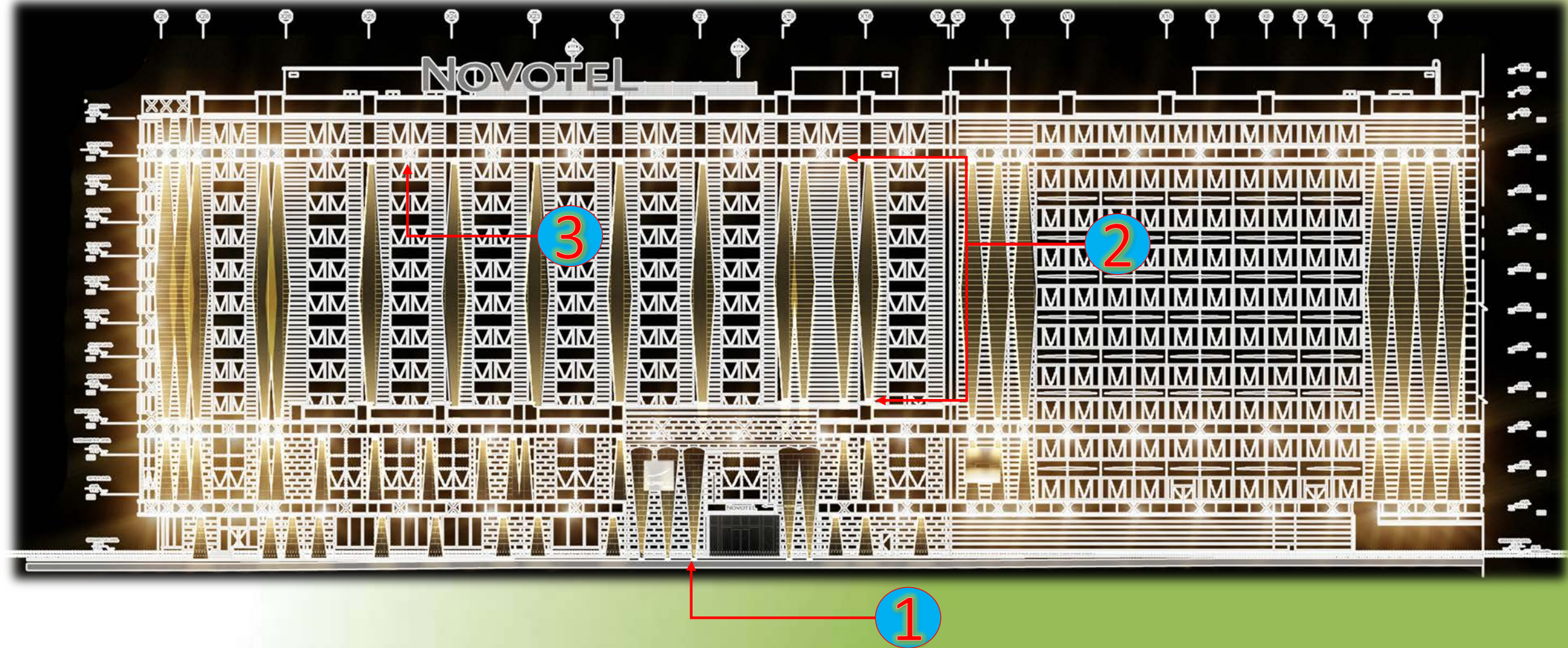
- The first was New LED Dynamic Lighting.
- The second was Traditional Classic Lighting.

Since the project is located in a historical area in Cairo the client choose to have Traditional Classical Lighting System.

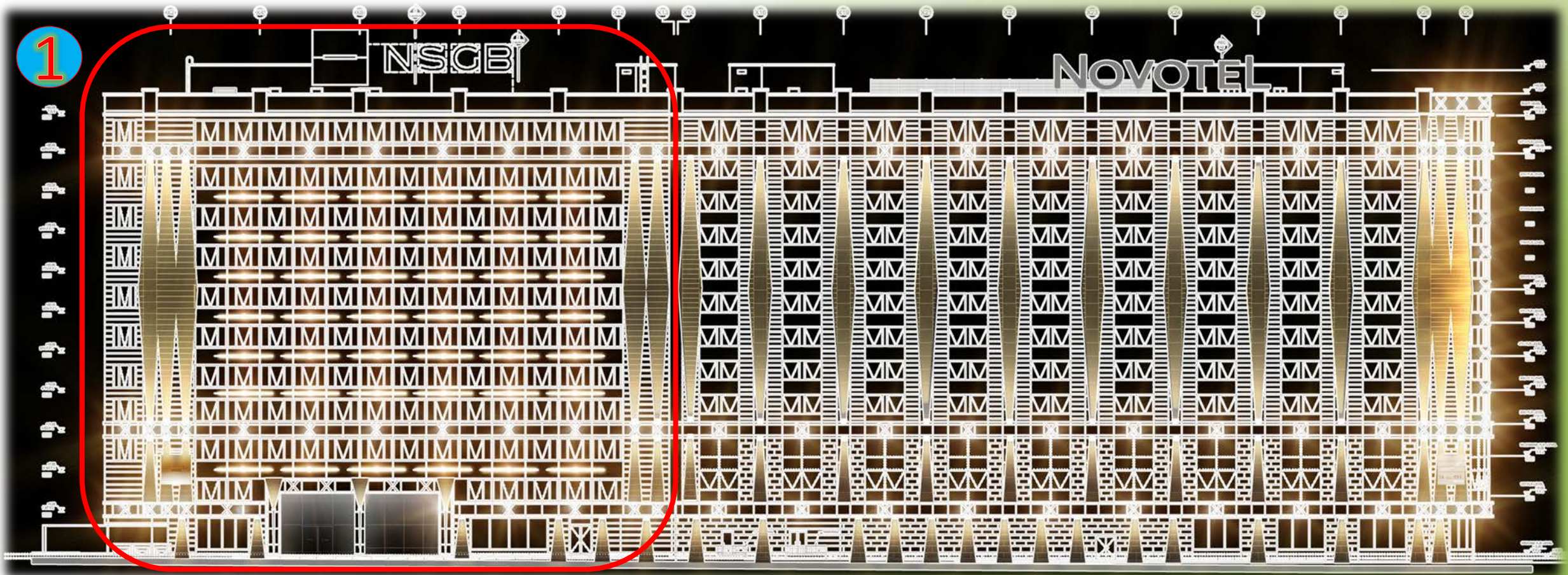
Lighting components

- All lamps were selected with low power (Max. 150W M.H) for energy conservation.
- Tow Panels for each building were located at ground and roof for cable savings as well.

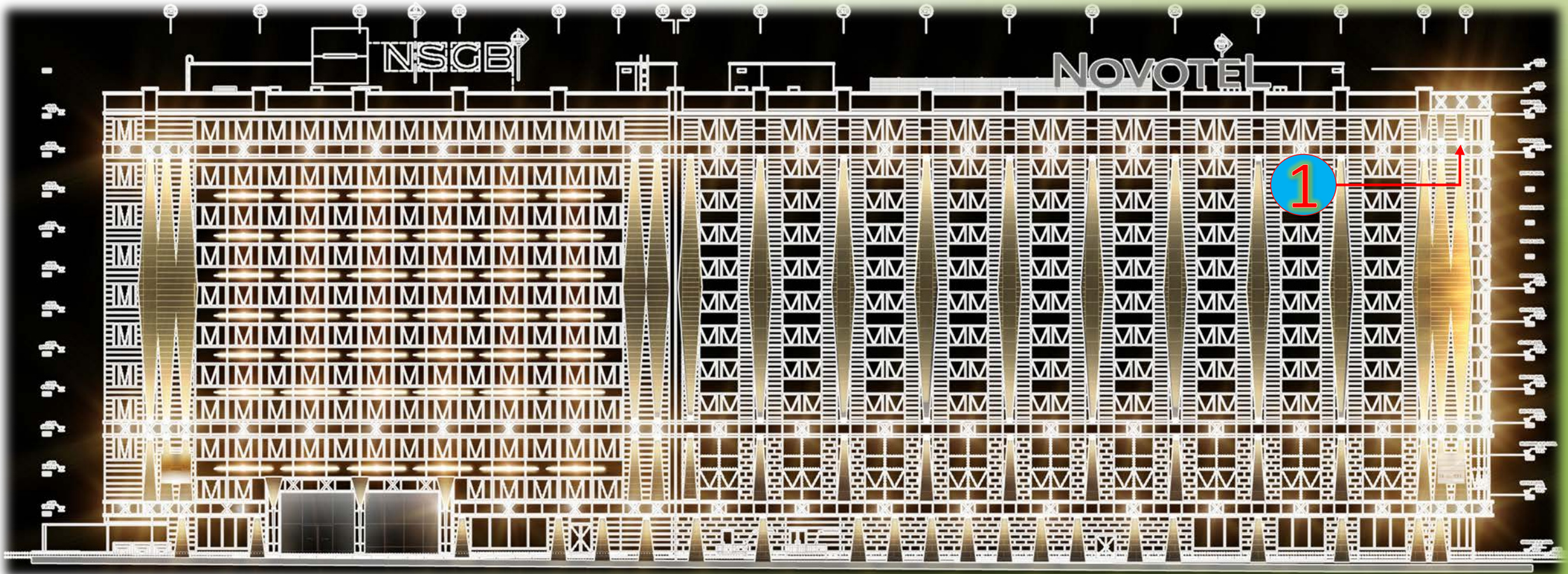




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1. In ground narrow beam up lighting
 2. Narrow beam up lighting at the third level in addition to narrow beam down lighting from the 11th floor level to give a continuous lighting effect on the grids to avoid windows
 3. A decorative wall mounted fixtures giving the X effect was placed at the first, third and 11th floor levels to complete the lighting effect. The same X effect was also placed the corner on the building to complete the effect.

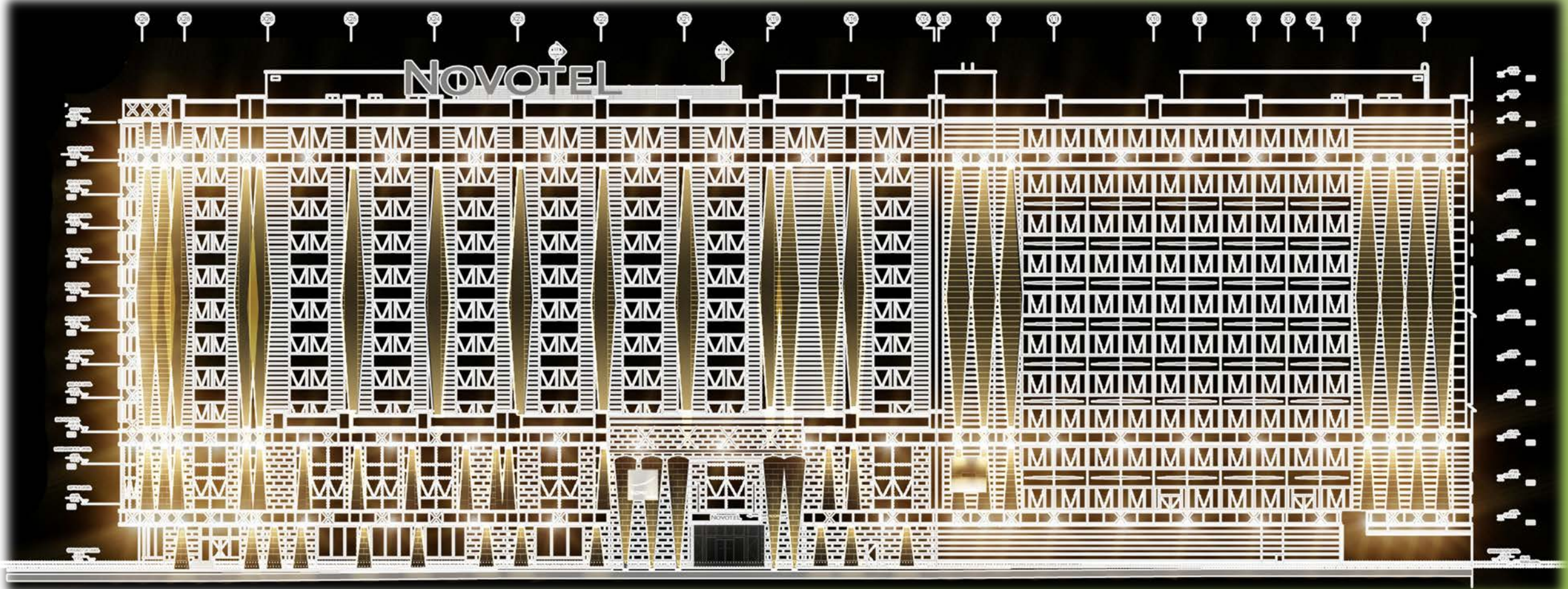


1. For the bank it has wide windows for the open offices with strips between floors
Which is has different level from the hotel
The lighting is using stars effect on top and lower levels in additional to longitudinal lighting along the strips between floors to give different effects for different façade and different function at night with lower façade lighting levels at night compared to the hotel to respect the function of the bank and working hours.



1. Additional up lighting is placed on the 11th level to enhance the last floor and roof parapet and to show the top level of the building.
2. Fixtures locations were chosen far from each other to give light and shadow effects as well as light and dark for high contrast and high drama factor.

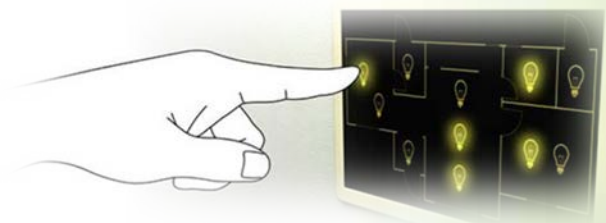
Lighting control



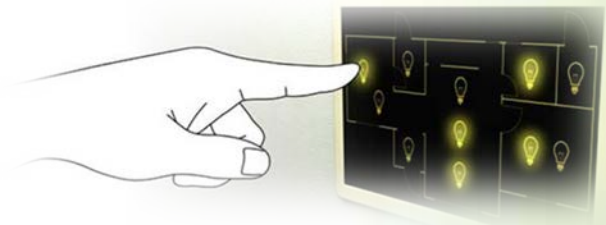
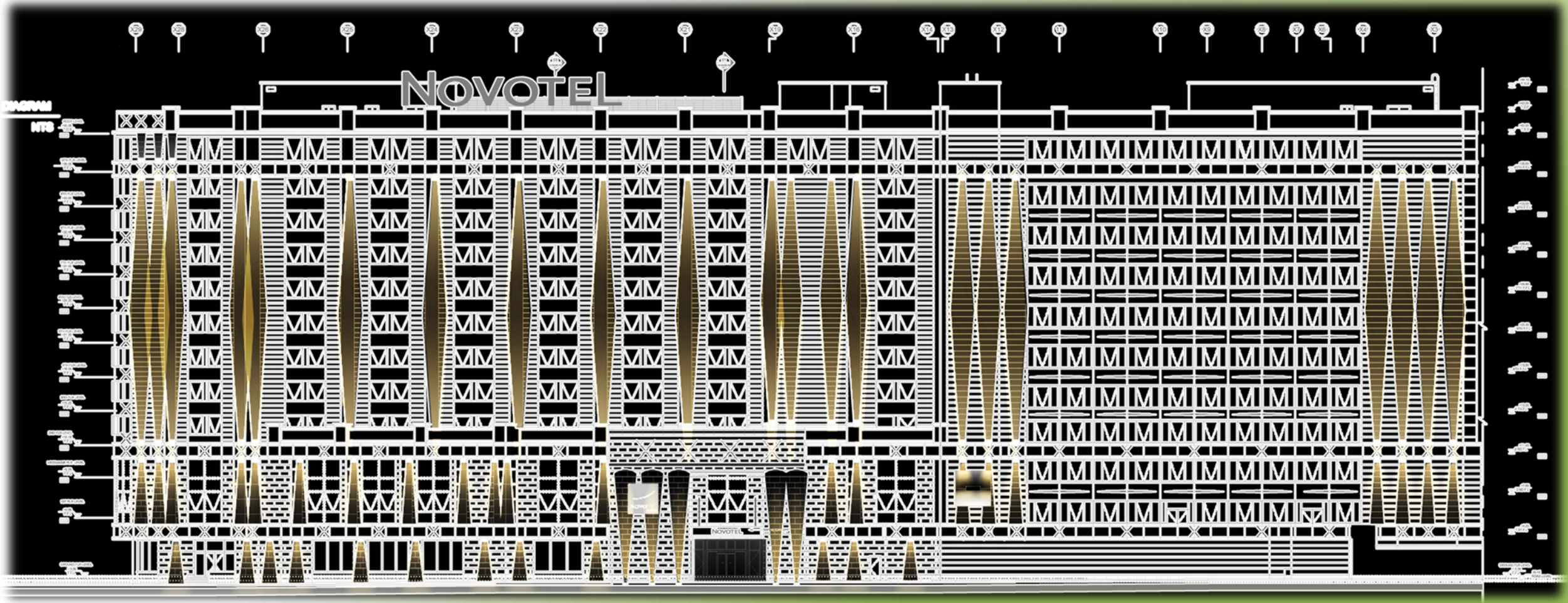
Wiring and circuiting were designed to provide a separate scene for each effect or combination of 2 or more scenes according to operator's choice As showing lighting scene .

1- All on





2- Stars effect



3- Up Down effect

Design stage



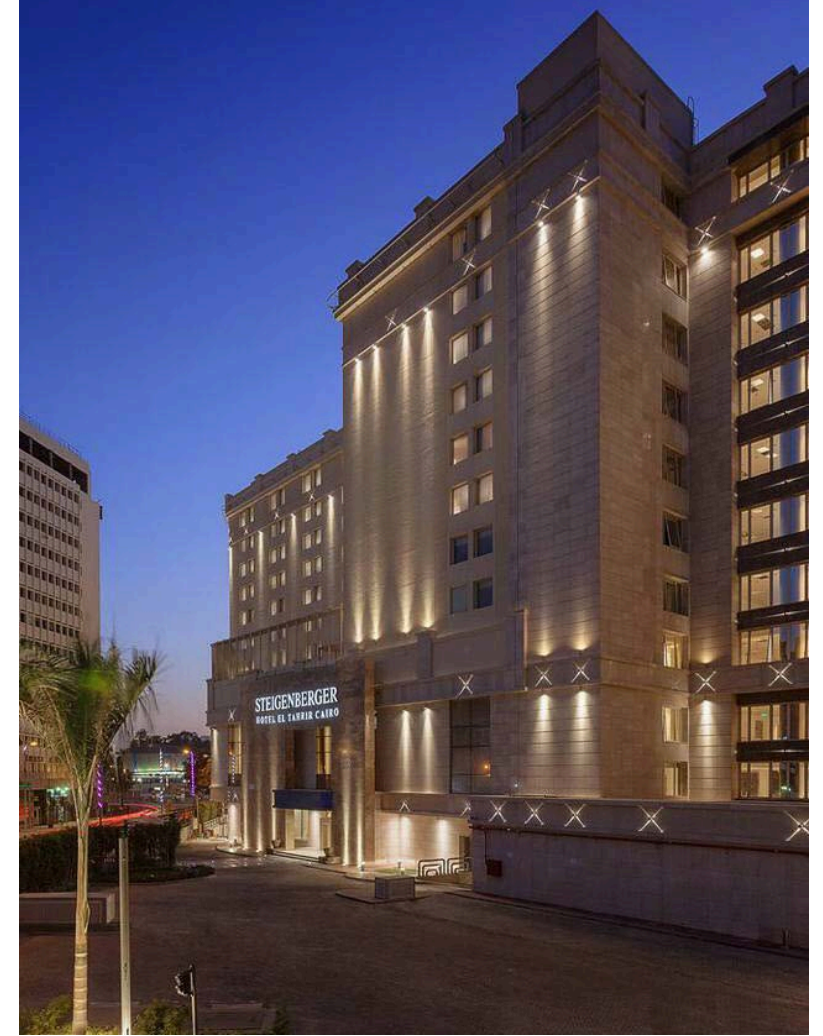
Design stage



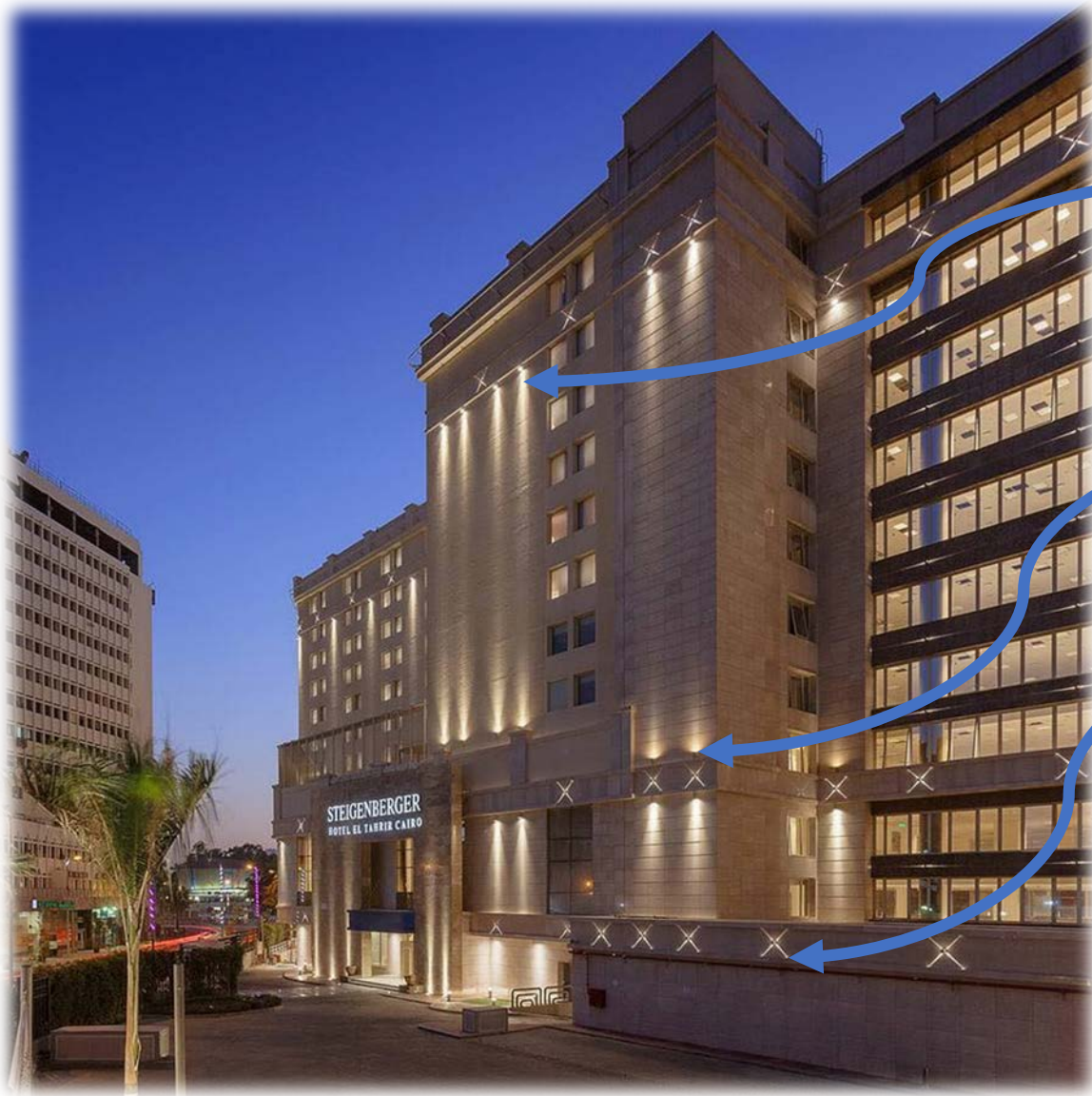
After construction



After construction



Front elevation



Down Light Fixture



Up Light Fixture



Star Light



Side elevation



Entry view





Thanks for your Attention



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