

المعالجات المعمارية في قاعات المسارح المحققة لجودة النظم الصوتية والضوئية
Architectural processors in theater halls that achieving The quality of
sound and light systems

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Abstract:

Designing and setting up of opera houses in general and theaters in particular, is related to standards that must be considered according to special specifications, and must be applied to ensure the success of the establishment and achieve the highest quality in the performances that service functions and techniques of artistic activities, as well as to achieve proper provided functional spaces according to the Ergonomic studies that related to acoustics and lighting.

- 1- The false ceilings are the most important of the interior design of technique, which is known as the visual ceiling, it designed by the interior designer and its implementation easily, also depends on the ease of formation due to the flexibility of raw materials implementation.
- 2- The main ceiling "structural" is primarily concerned with the construction engineer in terms of implementation or architecture composing. By the modern design of the theater takes into account the considerations and criteria achieved for the acoustics and internal space quality.
- 3- To provide acoustic insulation, the suspended ceilings are accompanied by materials that absorb or dissipate the sound.
- 4- Walls come in the same degree of importance because of the treatments and ideas of the designer solutions that help in the distribution of the appropriate sound and lighting parameters.

The researcher recommends the importance of studying modern raw materials use and treatment, whether reflective of sound and lighting according to the needs of use, for the treatment of walls and ceilings, such as wood suitable for sound absorption or aluminum material in the case of requiring reflective surfaces, taking into account refractions or bends appropriate to the nature of the proposed interior design.