

## عنوان مقاله:

Circular symmetric retractable structures and its implementation consideration and the urgency of reaching this technology

## محل انتشار:

سومین کنگره بین المللی عمران ، معماری و توسعه شهری (سال: 1394)

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## خلاصه مقاله:

One of the subjects that keep many engineers and architects mind busy is the possibility of creating spaces with flexible and retractable ceilings that gives the better chance of fresh air and natural light of sun for the moments that there is no rain or a bad climate for its users. Retractable ceiling have different kinds in the matter of material and structural system. This article displays methods for designing structures that can be retracted and are made of hard discs that are fixed together with joint fitting. What is important in matching these together is providing the freedom of mobility when the structure closes or opens. At first we talk about how these conformations are made with angled bars and then their covers with rigid plates are displayed. Finally we talk about performing consideration of these retractable structures and the need of using it in the country.

## کلمات کلیدی:

two dimensional structures, optimizing the shape of covering plates, performing consideration of retractable roofs, contemporary architecture of Iran

## لینک ثابت مقاله در پایگاه سیویلیکا:

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