

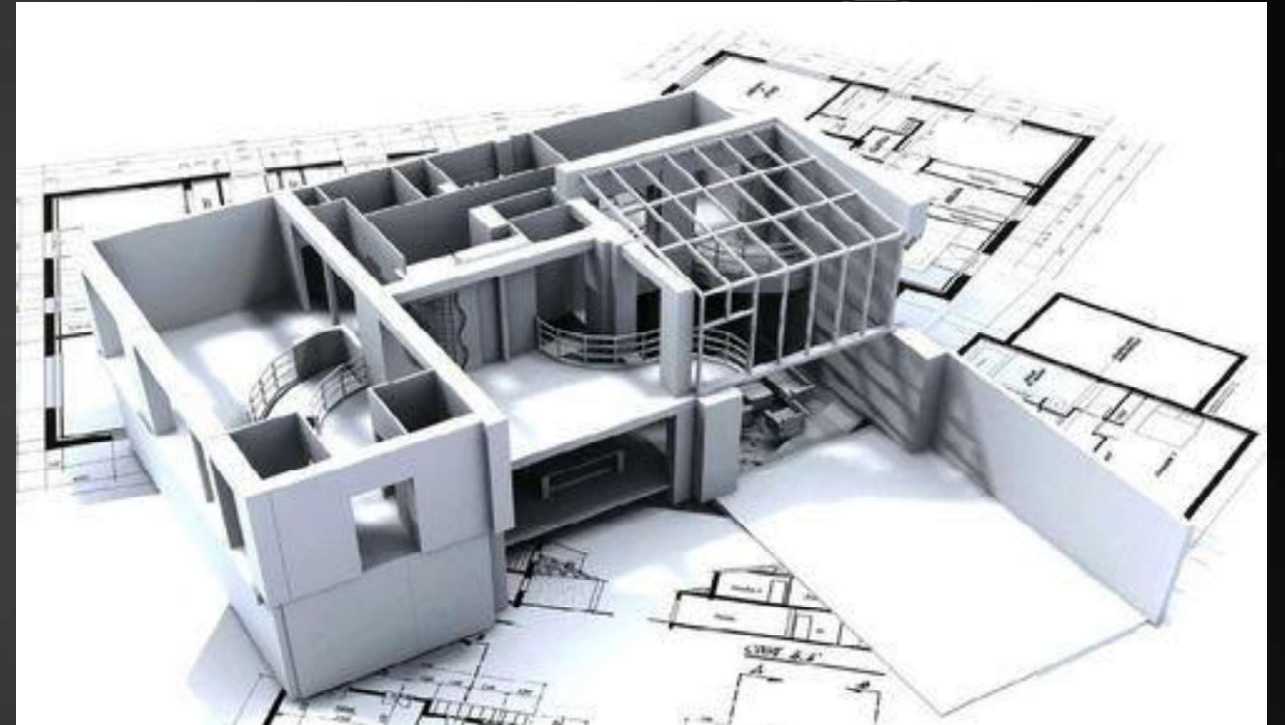
# Architectural visualization

- ▶ Architectural visualisation is **the process of creating digital models of structures, buildings, and spaces using complex modelling methods and powerful rendering computers. ...** The best architectural visualization projects communicate critical information like depth and scale across various teams and stakeholders



# Structural Designing

Structural design is **the methodical investigation of the stability, strength and rigidity of structures**. The basic objective in structural analysis and design is to produce a structure capable of resisting all applied loads without failure during its intended life.



# Shop Drawing & ESTIMATION

A shop drawing is a **drawing or set of drawings produced by the contractor, supplier, manufacturer, subcontractor, consultants, or fabricator.** Shop drawings are typically required for prefabricated components. ... The shop drawing normally shows more detail than the construction documents



# Value Engineering

Value engineering is used to **solve problems and identify and eliminate unwanted costs**, while improving function and quality. The aim is to increase the value of products, satisfying the product's performance requirements at the lowest possible cost



# Forensic engineering and valuation

- ▶ To put it simply, forensic engineering is **the application of engineering principles and science used in the investigation of failure**, more specifically, the failure of a machine, component, material or structure. ... When this happens, the engineer will be deposed to offer testimony as to why the failure occurred.



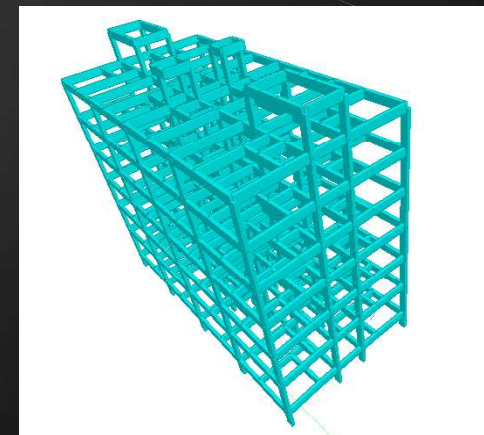
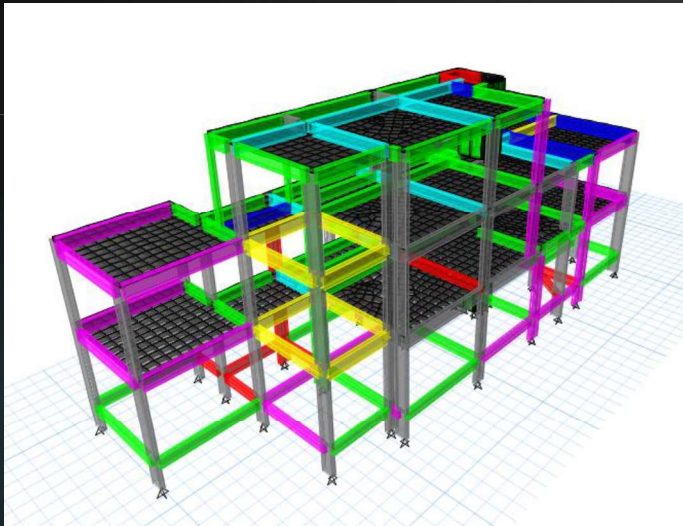
# Engineering training and brain-storming

Training is **helping and showing employees what they should and should not do when they carry out their workplace activities**. Employees should be suitably trained in all aspects of their job from the most menial to the riskiest activities in the workplace

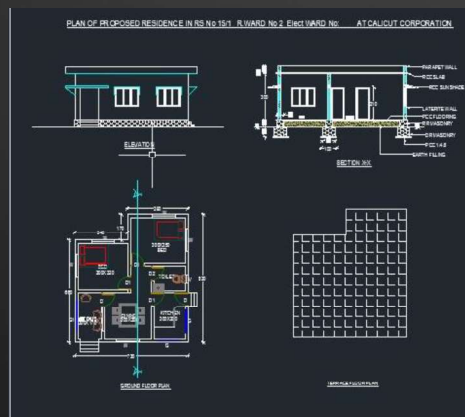
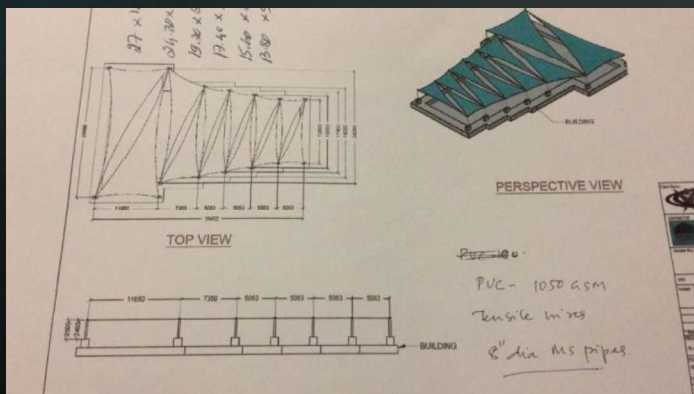
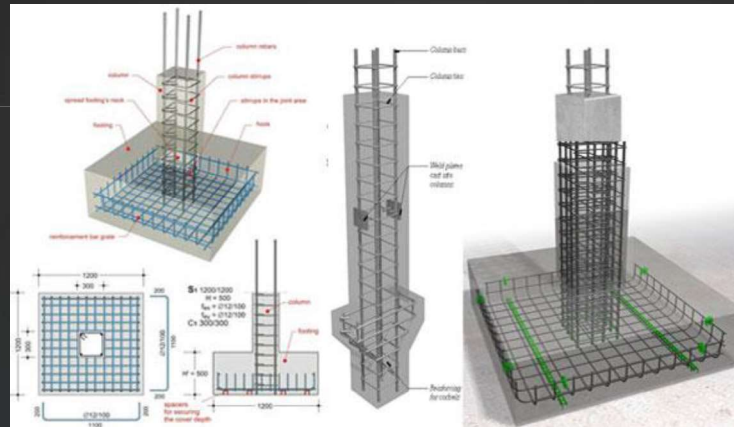
.Do engineers use brainstorming? To do this, engineers often use a technique called "**brainstorming**." Brainstorming is a team creativity activity that helps you generate a large number of potential solutions to a problem or challenge. ... Also, when we brainstorm, we are striving for quantity of ideas, not quality.



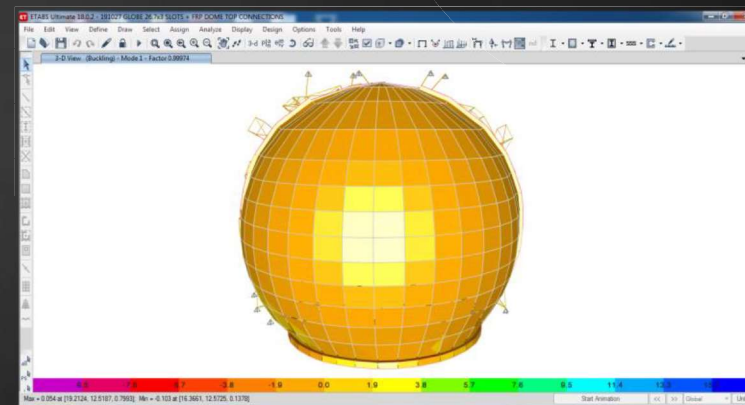
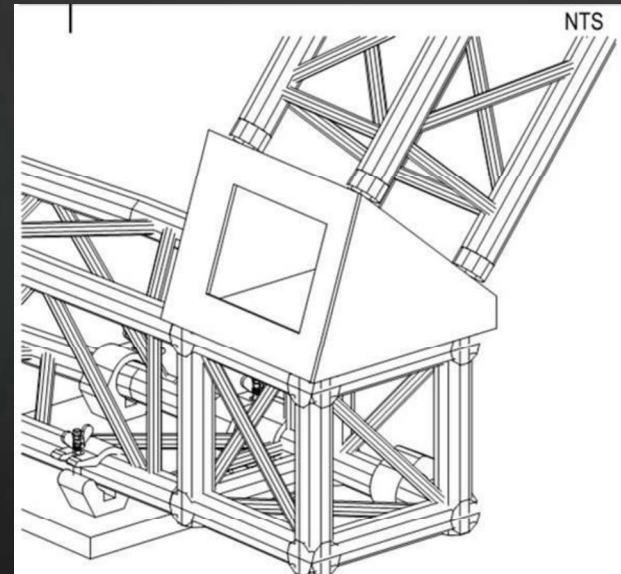
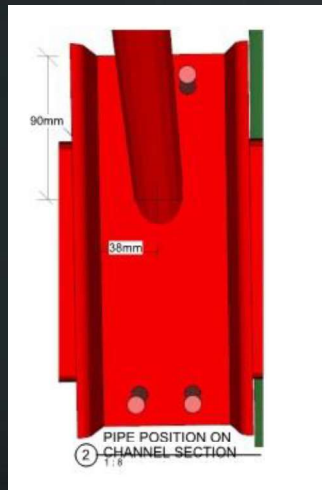
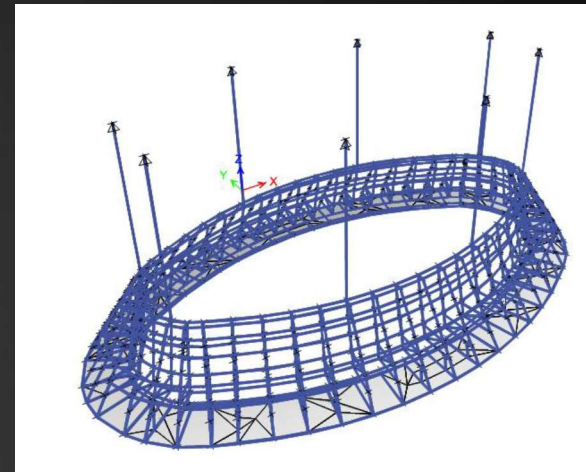
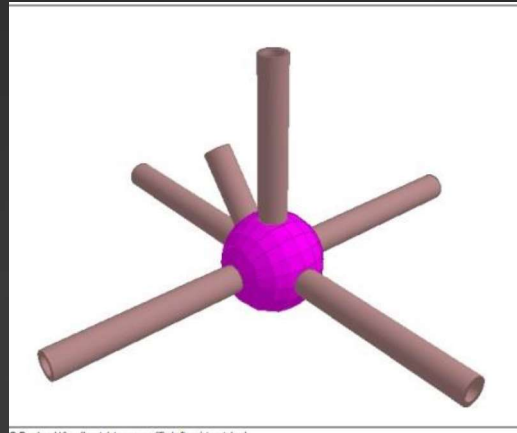
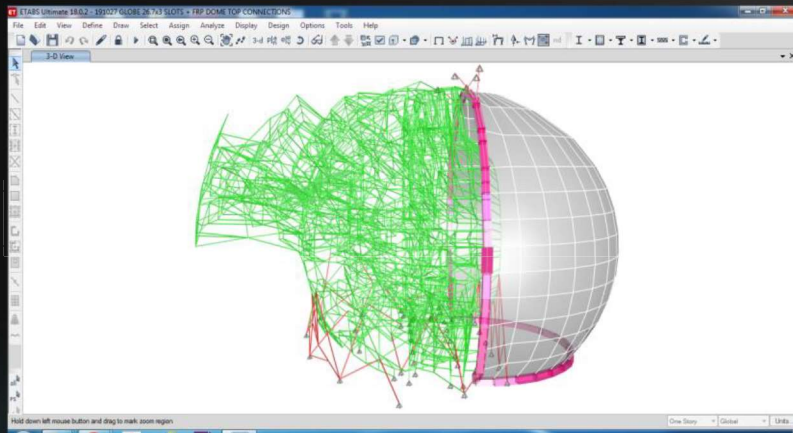
# RCC – STRUCTURAL DESIGNING AND DRAWING



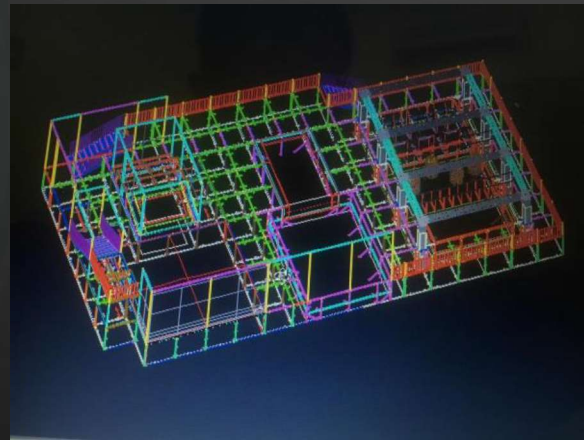
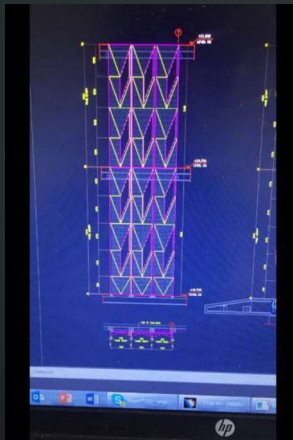
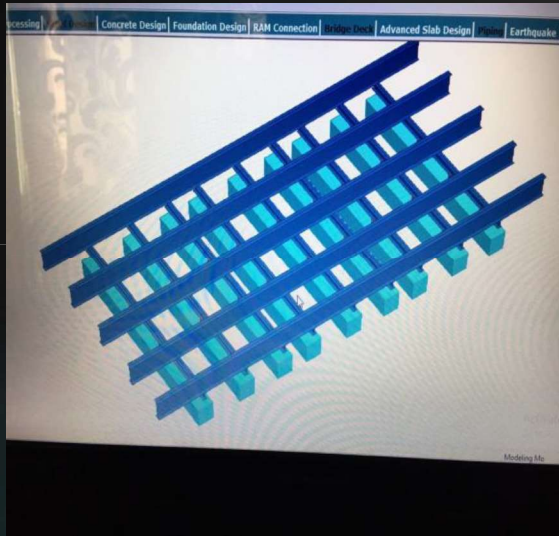
# RCC – STRUCTURAL DESIGNING AND DRAWING (contd.)



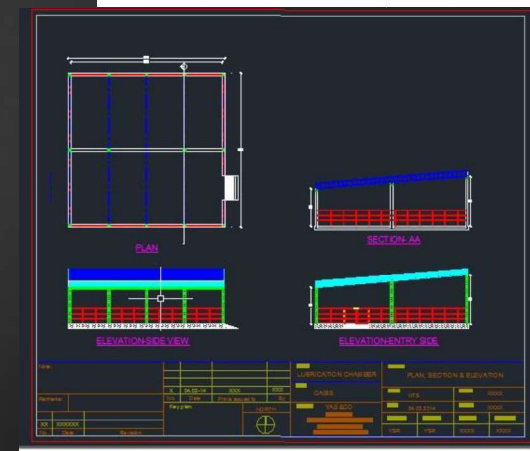
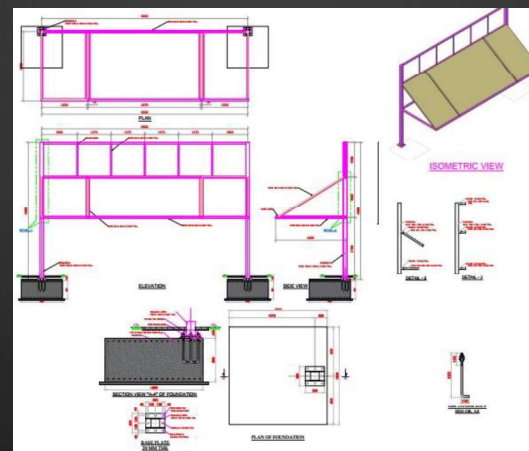
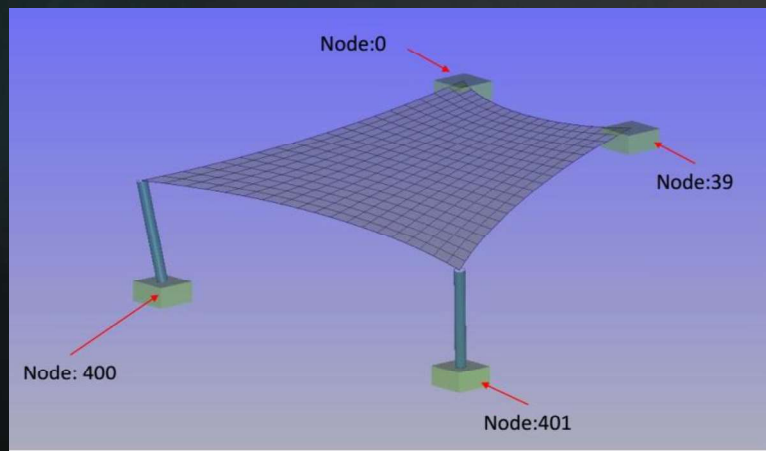
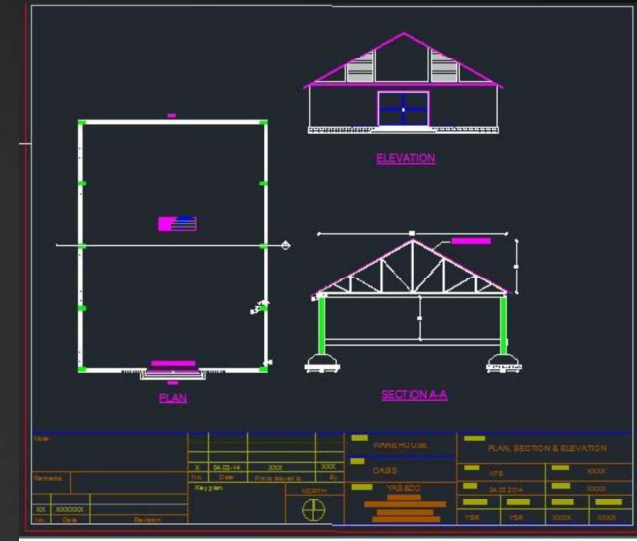
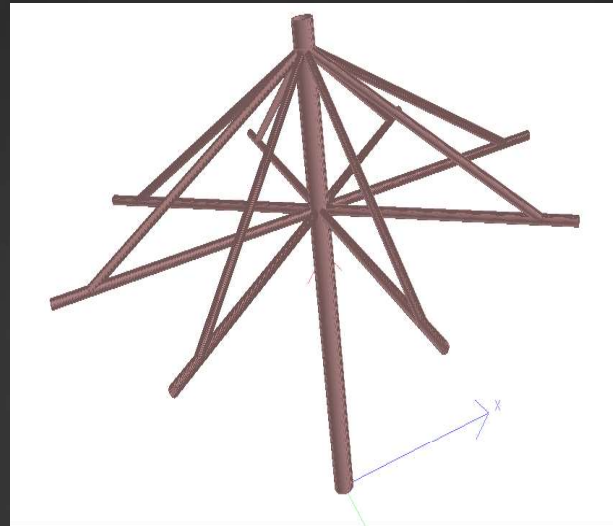
# SPACE STRUCTURES



# STEEL DESIGNING AND DRAWING



# STEEL DESIGNING AND DRAWING (contd.)



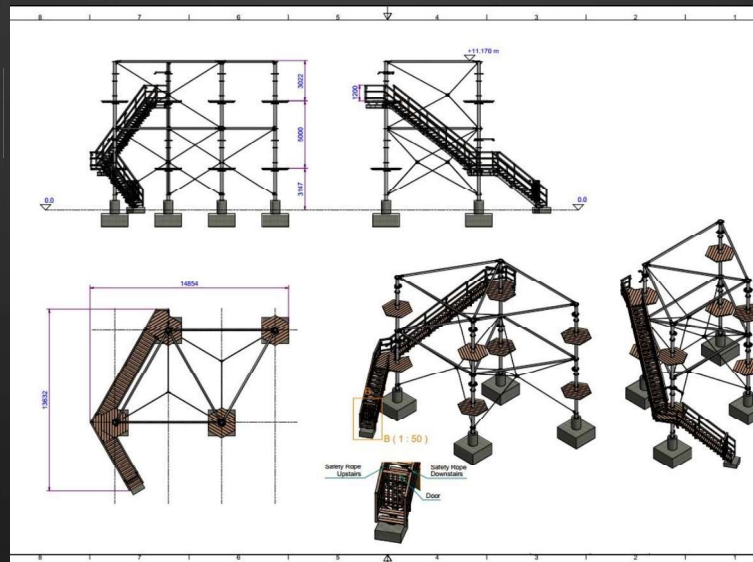
# EXHIBITION ARENA



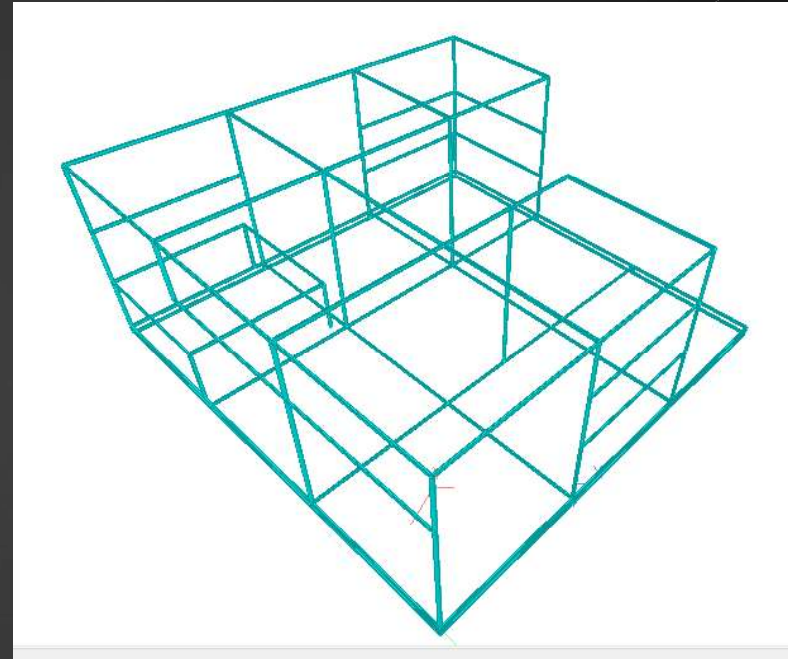
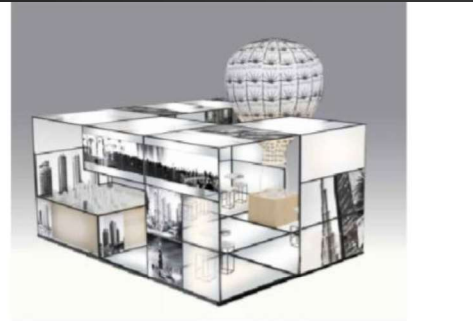
DUBAI, U.A.E  
ID DRAWING



DETAIL DESIGN ISSUE  
11.04.2016



# EXHIBITION ARENA (contd.)





# ALUMINIUM STRUCTURES

