GENERAL
The VU Unitized curtain wall is a pressure equalized, thermally broken façade system designed to provide a high performance enclosure based on proven design principles. It is a tried and tested system and has been used successfully on projects throughout the Middle East. The system offers
1. The quality of factory assembly.
2. Faster on site enclosure of the building frame
3. Ability to accommodate differential floor slab deflections, seismic and wind generated building movements.

It is available in different frame depths in fully captured or four-sided structural glazed, or a combination of both. Custom designs, to suit specific requirements can also be provided.

MATERIALS
All main frame elements are extruded 6063-T5 or T6 aluminum alloy. For anchoring components 6061-T6 alloy is used. Gaskets are generally EPDM, in hardness to the suit application. Gaskets used for structural glazing and setting blocks in continuous contact with silicone sealant, are made of compatible silicone. All fasteners and anchoring bolts used are 300 series stainless steel.

OPENING WINDOWS
Top hung ventilators with multi point locking mechanism can be installed. The vent frame is not visible from the outside giving a consistent appearance at both fixed and opening windows.

FINISH
All visible aluminium is to be finished in either painted or anodised finish to meet international standards. Non-exposed aluminum is supplied in mill finish unless otherwise noted.
CONSTRUCTION AND DESIGN
The standard width of the curtain wall system is 85mm. It is provided in depths of 120mm and 150mm. Custom widths, depths, wall thicknesses and designs can also be supplied to suit the project structural loadings and the consultant's aesthetic requirements. The curtain wall utilizes pressure equalization and compartmentalization principles coupled with an internal drainage system to provide a high level of waterproofing. The system is thermally isolated from outside environment by thermal isolators or gaskets to reduce heat transmission. The brackets connecting the system to the structure are designed to accommodate building tolerances.

PERFORMANCE
The curtain wall system is fully tested and designed to meet international standards for air infiltration, and water penetration. The framework is designed to suit the project specification requirements for structural design pressures and framework deflection.

FABRICATION AND ASSEMBLY
All fabrication, unit assemblies and glazing is done in the factory in a controlled environment ensuring quality of workmanship throughout the process. Units can be tested randomly for water tightness of the glazing inside the factory prior to delivery to site.

INSTALLATION
Preglazed curtain wall units are delivered to site and stacked to suit the order of installation and then installed in sequence up the building.

CLEANING
Upon completion, the curtain wall is cleaned using plain water containing a mild detergent. If more aggressive cleaners are required to remove particular types of dirt, recommendations should be sought from the curtain wall and glass supplier.