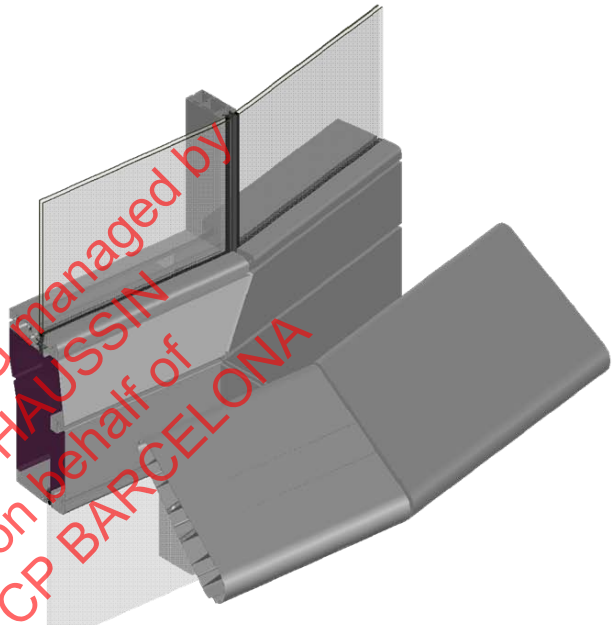
ERA®
Yapı Sistemleri San. ve Tic.Ltd. Şti.

SKYMARK TOWER

Istanbul - Turkey



BIDDING DOCUMENT

PROTOTYPING OF THE WING FACADE

TO COMBINE TECHNOLOGY WITH YOUR MIND

TO COMBINE TECHNOLOGY WITH YOUR MIND

PREAMBLE

This document is an additional support for the quotation of ERA YAPI and it gives some explanations about the suggestion for the wing façade.

After analysis of the tender drawings and specifications, ERA YAPI and its partners have decided to develop a customized solution to solve some difficulties coming from the following points:

- Wind load transfer on the bracketing (design of the stacking joint area).
- Thermal insulation.
- Bracketing installation for the fins.
- Access to the anchoring system.
- Outside aluminum cladding complexity.
- Economical criteria.

The realization of this bidding stage is the result of a cooperation from the following companies:

ERA YAPI :	Façade contractor – Istanbul (TR)
A2CP:	Designer of Customized Systems – Barcelona (SP)

The core of the suggested solution is based on "INFINI UUS", a unitized system resulting from A2CP developments for tall buildings especially for the Middle East Market.(unitized system tested in UK (Taylor Woodrow) and UAE (Exovia) according to ASTM/AAMA and BS standards)

According to the difficulties of this project and the solution suggested by A2CP, additionally to drawings and 3D-Models, a Mock-up (scale ½) has been realized to control the feasibility of the solution and the respect of the architectural requirements.

The production of the various items with a "Fused Filament Fabrication" in ABS and was realized in SPAIN .
The Mock-up was fabricated in ERA YAPI's factory with the technical support and control of A2CP.

Additionally to this preliminary information, the designer and writer of this report confirms that the solution developed for this project meets the architectural criteria and also to the full technical criteria of the tender documents to achieve the required performances.

Dubai, October 23rd , 2010

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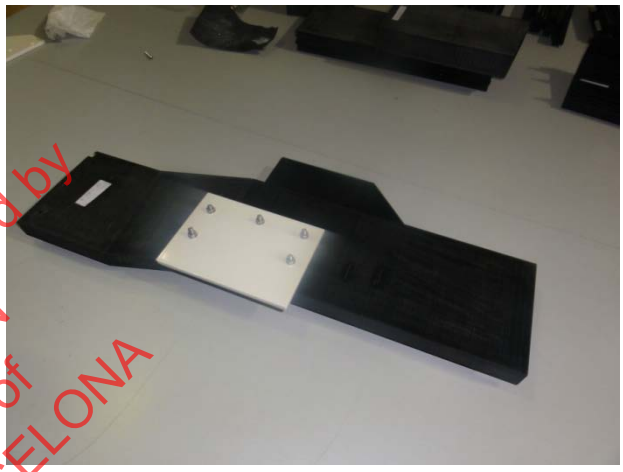
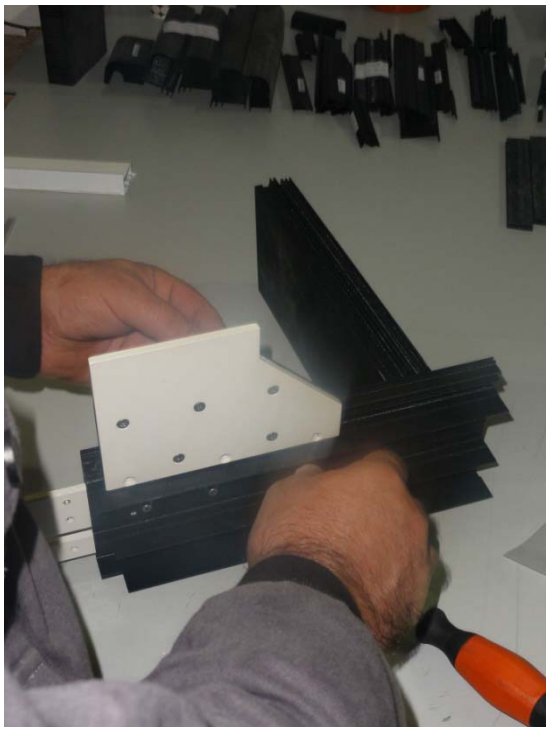
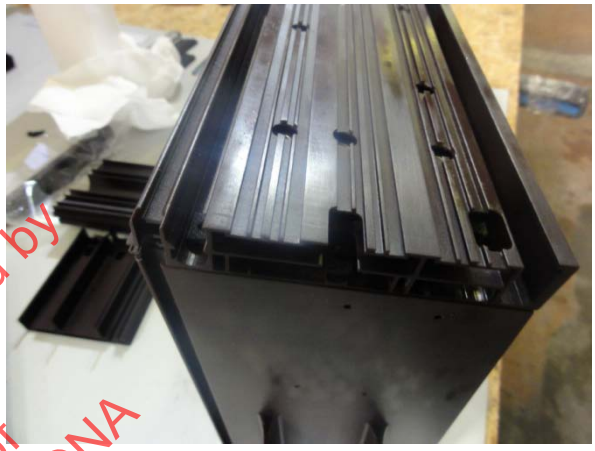
MOCK-UP STAGE 1
Items control

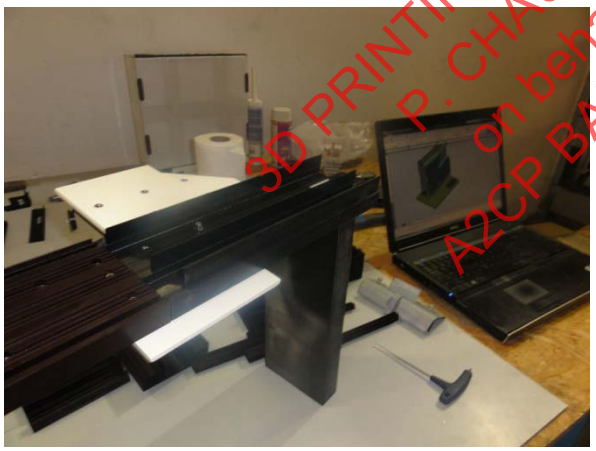
MOCK-UP STAGE 2
Assembly

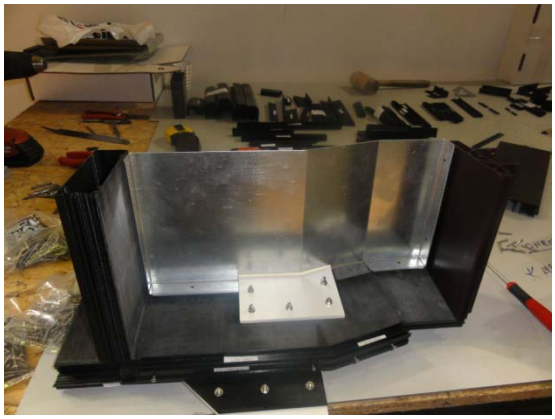


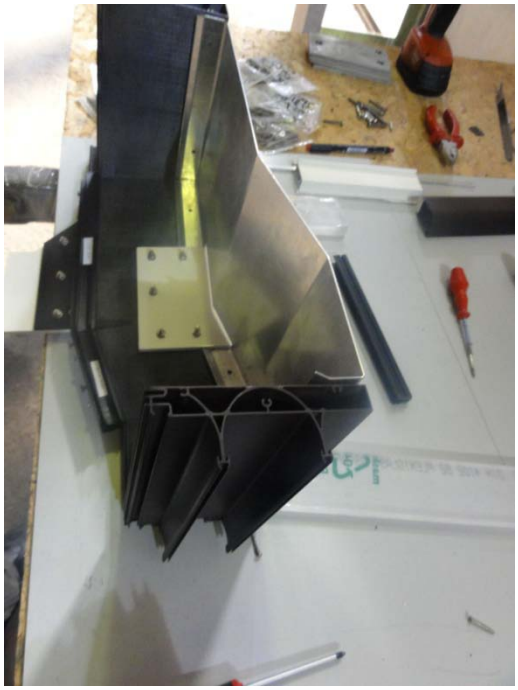


MOCK-UP STAGE 2
Assembly









MOCK-UP STAGE 2
Glazing

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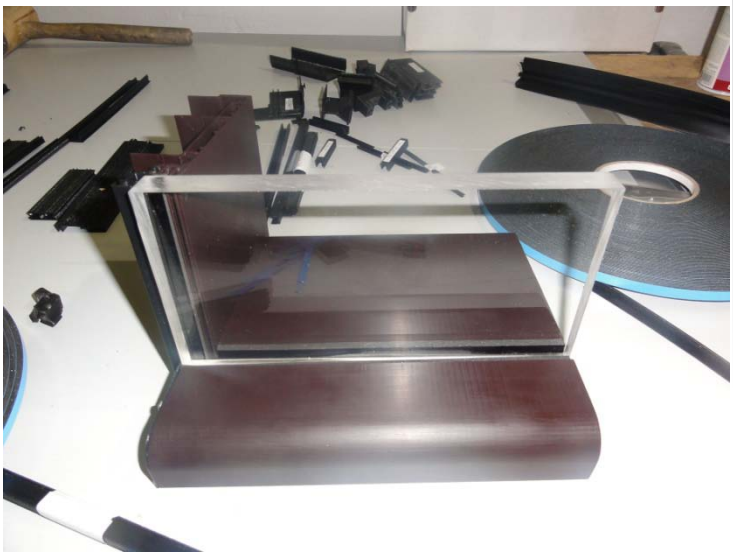
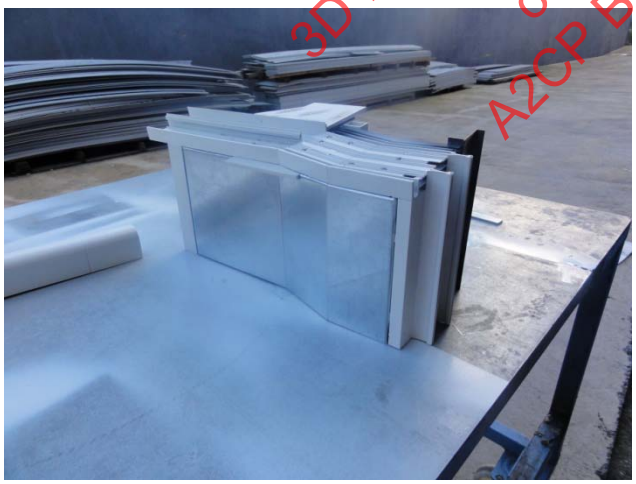
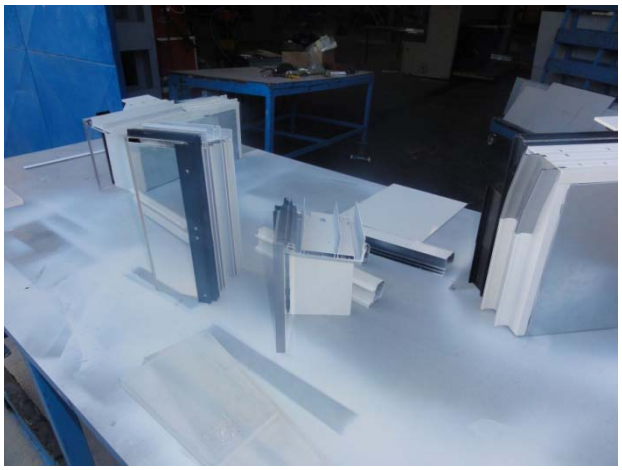


MOCK-UP STAGE 2
Coating





MOCK-UP STAGE 2
Finishing

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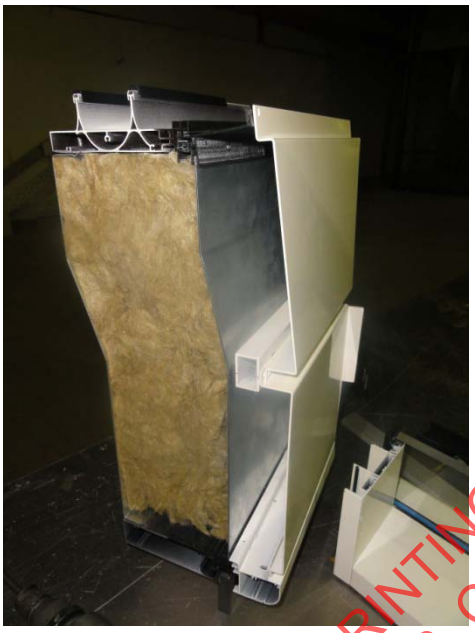
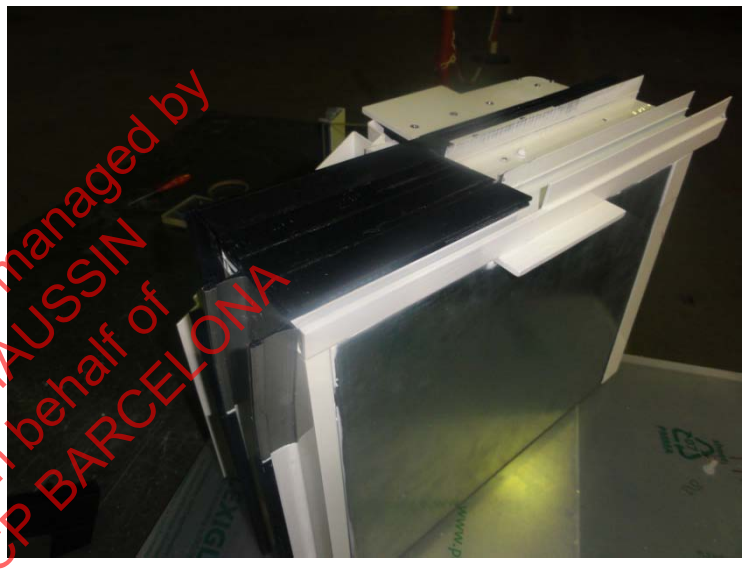
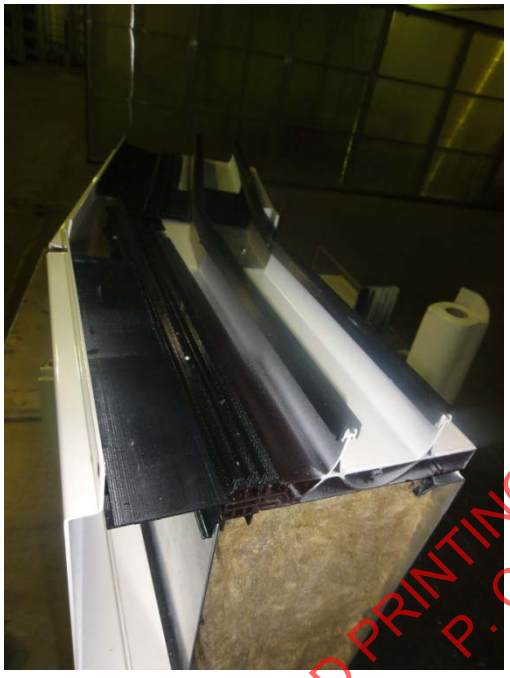




MOCK-UP STAGE 2
Finishing



MOCK-UP STAGE 2
Presentation

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