



CW - 50

Fabrication

Training Program

ALLMEG

Integrated Façade Systems

TECHNICAL TRAINING PROGRAM:

The professional technical training program will be divided to three divisions listed below:

- 1- Technical training
- 2- Workshops
- 3- Open forum

1- TECHNICAL TRAINING:

General: The main objective of the technical training is to provide trainee with a broad understanding and knowledge of various façade components manufacturing, installation techniques using simple workshop machinery while maintaining excellent final product. This is to ensure that they will have the skill, knowledge and understanding to fenestration, curtain-wall, glazing, and cladding design, manufacturing and construction as well as cladding. The training is intended to broaden graduates from their original disciplines to have an understanding of all aspects of the aluminum façade industry.

ALUMINUM WORKS:

a.General: The training course will include:

- I. Briefing about aluminum, how it's manufactured, physical properties, how it is extruded, tolerances, structural calculation and integrity, various finishing, coating, and anodizing process.
- II. How to read project specification and select the proper system.
- III. Procurement process
- IV. Curtain wall manufacturing, installation process and details.

The following topics were covered:

- System test certificate.
- System component.
- Transom machining
- Mullion machining
- Gasketing
- Transom gasket fitting with silicone sealing.
- Transom cleats.
- Various assembly schemes.
- Pressure plate machining.
- Transom cover cap machining.
- Third level drainage machining.
- Mullion connection.
- Glass support profiles.
- Construction specific solutions.
- Thermal break profiles disposition schemes

GLAZING WORKS:

b. General: The training course will include:

- V. Briefing about glazing, how it's manufactured, physical properties, how it is processed, its tolerances, various coating techniques and its relevant physical and optical performance.
- VI. How to read project specification and select the proper glazing type.
- VII. Procurement process.
- VIII. Glazing processing, installation process and details.

SEALANTS WORKS:

c. General: The training course will include:

- IX. Briefing about different types of sealants, physical properties, how it is selected, its application tolerances, movement capability, and primer application.
- X. How to read project specification and select the proper sealant type.
- XI. How to calculate sealant width and its relevant depth.
- XII. Sealant adhesion test.
- XIII. Surface preparation, sealant application, curing process and details.
- XIV. Procurement process.

2- WORKSHOP:

- XV. Observing and participating in all curtain wall fabrication process at one of our approved fabrication facilities to ensure precise and comprehensive knowledge about ALUMEG system fabrication details and sequence of fabrication and installation.

3- OPEN FORUM:

- XVI. Sharing ALUMEG team experience with our esteemed trainee through an open discussion, analyzing previous case studies, solving interface details, comparing between ALUMEG systems and other locally available systems, and sharing our lesson learned from other constructed projects.