

CURTAIN WALL

GENERAL

In this technological card we will analyze installation of curtain wall. The surface of the façade corresponding to the curtain wall is 254,02 m². This is the North and west façades. There are solutions more modern. The curtain wall makes the building sophisticated and modern. And it is a perfect combination with the other types of façades.

DESCRIPTION AND SEQUENCE OF WORKS

The brand of our curtain wall supplier will be "TECHNAL REFLECT SEMISTRUCTURAL."

-Concrete HA-25

-Iron armors B500s

CONSTRUCTION SEQUENCE:

1. Transportation, storage and handling
2. Anchorage and connection provision
3. Connections' stakeout
4. Installation arrangement
5. Placement of the upright with the help of the crane
6. Glazing of the auxiliary structure with the help of the crane
7. Final fixing and inspection

QUALITY CONTROL

1. Factory Test Reports

Manufacturer shall submit appropriate testing numbers for specific test:

- 1) Deflection and structural test
- 2) Water penetration test
- 3) Air infiltration test
- 4) Delaminating test
- 5) Thermal conductance test
- 6) Sound transmission
- 7) Submitt factory required except that where a curtain wall system or component of similar type, size and design as specified for this project has been previously tested within last year, under conditions specified herein, resulting test may be submitted in lieu of listed testing

2. Manufacturer's Certificates:

Submit Certificates of Compliance, with specification requirements for:

- 1) Metal extrusions
 - 2) Metal accessories
 - 3) Stating that aluminum has been given specified thickness of anodizing or organic coating finish
 - 4) Indicating manufacturer's and installer's meet qualifications as specified
 - 5) Submit list of equivalent size installations, for both manufacturer and installer, which have had satisfactory and efficient operation.
- 3. Tolerances:**
- Maximum variation from plane or location shown on approved shop drawings: 3 mm per 3600 mm of length up to not more than 13 mm in any total length.
 - Maximum offset from true alignment between two identical members abutting end to end in line: 0,8 mm.
 - Sealant space between curtain wall mullion and adjacent construction: Maximum 19 mm and minimum 6 mm.

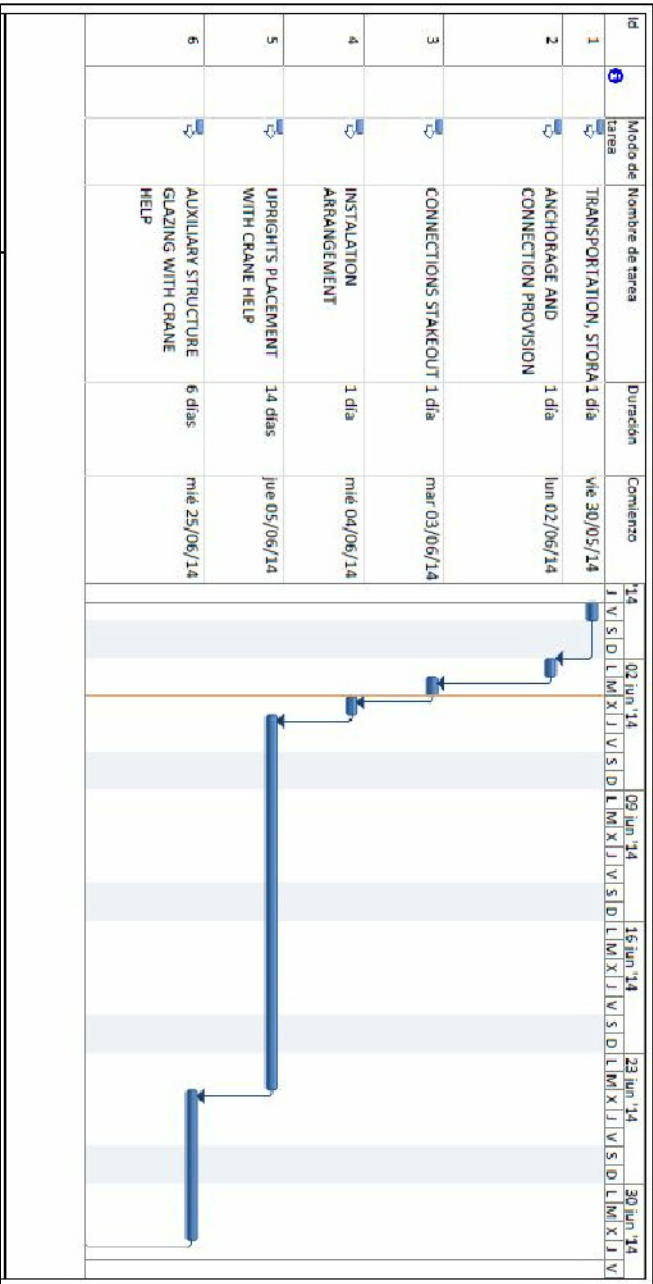
HUMAN SAFETY

1. Workers are allowed to work only with the knowledge of safety equipment.
2. Each worker must use protective equipment (special clothing, footwear and gloves)
3. For welds, workers should wear gloves and goggles.
4. Unnecessary collection of materials and debris from the workplace.
5. Should be grounded electrical equipment.
6. Must be all electrical devices absolutely clean.
7. All cables must be in perfect condition.

MECHANICS, MATERIALS AND TOOLS

Number	Name	Quantity
TOOLS		
1	1	2
1.1	Metal routelet 2PK	1
1.5	Levels Topcon AT-B4	1
1.10	Theodolite Prexios T O.2	2
1.11	Guying weight 13.3 kg	2
1.12	Visor welding	6
1.13	Helmet	4
1.14	Security belts	4
1.15	Metal brushes	4
1.16	Chemical cleaning detail and found	4
MECHANISMS		
2	Crane 130 EC-9B	1
2.2	Tavereis TS-12.5 weight 242 kg	1
2.3	Hook and versatile sling	4
2.4		4

WORKS ORGANIZATION



TECHNICAL-ECONOMICS INDICATORS

FAÇADO m² Curtain wall "TECHNAL" system			
Aluminium curtain wall system performed using the structural glass (VSG) with thermal break of "Technal" with a support aluminium (140 mm) and a mechanical of the floor or anchor points 250 mm distance, consisting of a 100% opaque surfaces and 90% fixed surface transparent tempered double glazed solar control + security (laminar), 6/33			
Decomposition	Yield	Unit Price	Price
m5Sncr100a	0.857	54.55	38.55
m5Sncr100b	1.200	35.54	42.65
m5Sncr100c	1.200	35.54	42.65
m5Sncr100d	1.200	35.54	42.65
m5Sncr100e	1.200	35.54	42.65
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