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General specifications:

Lot 1 – Construction of concrete shell, block works and roofing.

The contractor is responsible for the construction of reinforced concrete structure LOT 1, including foundation, slabs, columns, elevators shafts and any other elements listed in a structural design of the project. Appx volume of concrete is 3800m³, C20/25 (B25) for each building.

The contractor is responsible for the construction of external and internal wall with the concrete block.

Preferred time for execution/finishing of works (LOT1) is 7 months.

The contractor will be responsible to provide site bounded with the green decorative fence, equipped with the lights, drinking water (water meter installed).

The contractor will be responsible to provide site office, bio toilet, construction waste bin, site storage, WIFI connection for his own purposes and to ensure the security of goods and equipment on site (within and outside of the site fence).

Lot 2

Iso aluminum doors/windows and balconies double layer glass handrail manufacturing and installation.

Arrangement of iso aluminum doors and windows.

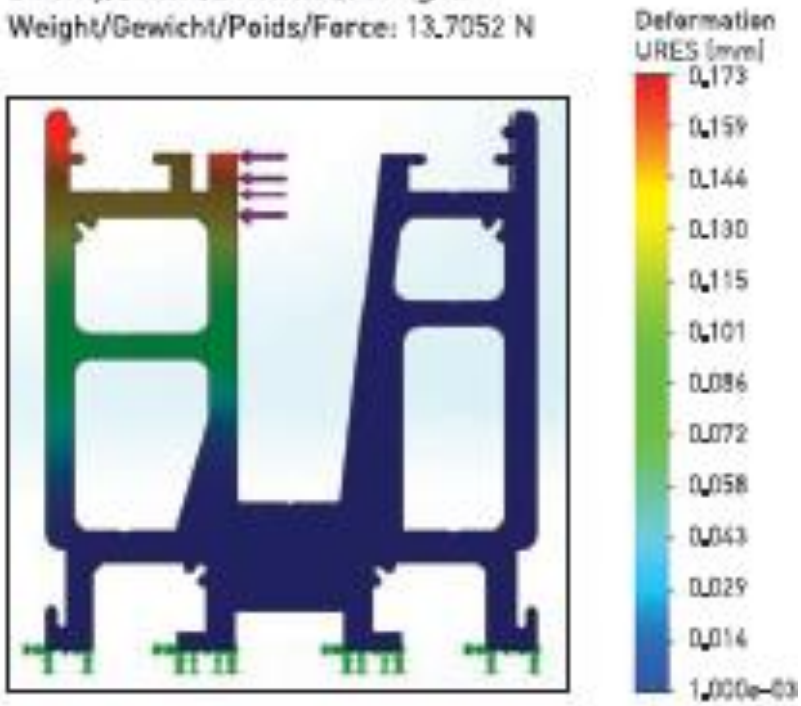
1. Glass: SunGuard® High Performance (HP) Neutral 50/32. Or similar configuration/specification glass.
2. Hardware- Stainless steel material made in Europe
3. Profiles: CS77 for window; CW50 for Curtain walls; CP155LS or similar configuration profile.
Color - "Anthracite grey".
4. Balconies double layer glass handrails with installation. Frameless glass railing system with aluminum profile and 8+8mm tempered glass

Performance	Window
<i>Air tightness max. test pressure</i>	4 (600 Pa)

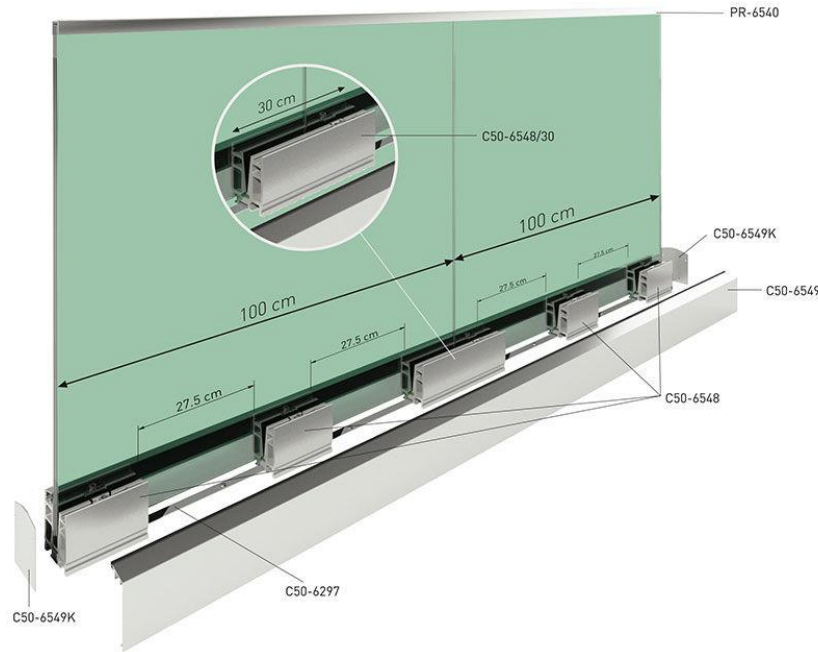
Water tightness	9A (600 Pa)
Wind load resistance	C3 (1200 Pa)
Thermal insulation (Uf)	102mm: 1,8 W/m ² K
Performance	Curtain Walls
Air tightness max. test pressure	1200
Acoustic performance	Rw(C;Ctr) = 60(-2;-6) dB
Water tightness	1200 Pa
Thermal insulation (Uf)	0,8 W/m ² K
Performance	Sliding system
Air tightness max. test pressure	4 (600 Pa)
Acoustic performance	Rw(C;Ctr) = 42(-1;-3) dB
Max. width vent	2700 mm
Water tightness	E900 (900 Pa)
Thermal insulation (Uf)	1,07 W/m ² K
Wind load resistance	C4 (1600 Pa)

Glass railing aluminum profile

Mass/Block/Masse: 9.89846 kg
Volume/Volumen/Volume: 0.000517958 m³
Density/Dichte/Densité: 2700 kg/m³
Weight/Gewicht/Poids/Force: 13.7052 N



Glass railing installation



General specifications:

LOT 3

Façade installation works construction works specified, including the following works:

Performance of construction works to install a ventilated Façade system (Brand should be European.) at Tbilisi Hills Apartment Buildings located at Village Teleti, Gardabani Municipality, Georgia.

The installation is to be coordinated with the Tbilisi Hills team, local construction management and other construction works.

The bidder is responsible for the safe and weatherproof storage of all delivered materials. The substructure and any attachments must be optimally protected against moisture, corrosion and putrefaction, regardless of the material or system used.

Fastening elements and insulation materials are to be selected in such a way that no negative interactions of any kind between the materials used can take place (corrosion, galvanic elements, putrefaction, etc.)

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If necessary, for the execution, the contractor has to prepare assembly drawings and descriptions before the start of production according to the planning documents of the client.

Special care is taken with all details, especially the screw, all joints, all connections and endings and building curves and corners.

Set up and maintain facade certified scaffolding in tubular steel or aluminum frame in accordance with the relevant local guidelines and regulations.

Set up the scaffolding and keep available from set up for the duration of the facade work, including all necessary ladders, fastenings, planking etc., including dismantling and removal.

Deliver and professionally assemble a substructure for the assembly of Exterior panels for exterior wall cladding.

Provide thermal insulation from Stone wool board, cut to size if necessary, install them close and professionally on the existing structure and substructure. Fastening mechanically using an insulation holder, at least 5 pieces / m², or according to the manufacturer's guidelines.

Delivery and installation of large-format Exterior HPL facade panels in accordance with EN 438-6. Exterior facade panels are high-pressure laminate panels for use in outdoor weather conditions, such as sunlight, rain and frost ("Exterior")

The assembly must be carried out according to the static requirements. The hole diameters of the sliding points are to be dimensioned according to the expected plate expansion. The laying must be carried out without technical constraints. The processing guidelines of the manufacturer must be observed when processing the panel material.

General specifications:

LOT 4

Purchase and installation of elevators in 4 floor residential buildings.

2 elevators for one 4 floor residential building, 6 in total for 3 buildings, with the following specification:

- Number of stops: 5 stops (including basement floor, with indication on the button -1);
- Height between concrete slabs: 3520 mm (basement floor high is: 2670 mm);
- Machine room height: 2972 mm (from the top of concrete slab);
- Dimensions of reinforced concrete shaft: 1900 x 1900 mm (width / length);

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- Cabin internal dimensions (minimum) 1500x1500 mm;
 - Door Type C2;
 - Width of entrance doors in open condition: minimum 900 mm;
 - Standard for elevator min EN81-20;
 - Automatic rescue and emergency landing device;
 - Engine and main parts of elevator should be placed inside shaft.
 - Fire safety equipment (switch) on base floor;
 - Voice signal at arrival, destination floor; Flooring: PVC; Cabin ceiling with decorative Led lighting; Cabin Fan system; Cabin handrail: Hairline Stainless Steel;
 - Mirror on half of cabin rear wall.
 - Elevators offered without a machine room should not change the height of the top floor.
 - Fire rated doors min 90 minutes. Elevators have to be connected to fire alarm system.
- Preference is given to company which offer European brand elevator.**