

Statement of Work (SOW)

Client: US Embassy, Addis Ababa, Ethiopia.

Type of Work: Security Grilles

Objectives: The U.S. Mission Regional Security Office (RSO) requires the services of an experienced construction company to fabricate and install Security grilles at the embassy leased residences for fixed term. The Contractor will provide all labor, equipment, and materials necessary to fabricate and install the grilles according to the requirements specified in this Statement of Work.

Scope of Works:

1. Fabricate and install fixed grilles.
2. Fabricate and install single leaf grilles gate with hinges and key locks.
3. Fabricate and install double leaf grilles gate with hinges and key locks.
4. Fabricate and install window and/or door grilles with emergency release mechanisms.
5. Fabricate and install sliding grilles gate with rolling mechanism and locks.

Specifications and Standards:

▪ Grilles:

- I. All door and window grille designs must be based on the following criteria.
 - a. Grill bars must be minimum diameter 14mm round or square solid steel bar.
 - b. Horizontal spacing (vertical members): a maximum of 150mm on center to center.
 - c. Vertical spacing (horizontal members): a maximum of 300mm on center to center.
 - d. All grille joints and intersections must be welded continuously at all points, both above and below points of intersection.

II. Grille frame criteria:

- a. Continuous 40x40mm, 4mm thick steel angle iron or 50x5mm flat bar.
- b. Corners shall be miter cut with continuous weld joints.
- c. Anchor bolt heads must be smooth (or cut after installation) and welded to the frame.

III. Door grille criteria:

- a. All specifications listed above shall apply to door grilles as well.
- b. Door grilles will match in dimension, as closely as possible, the existing residence doors.
- c. Each grille door will have at a minimum, a mortise lock with thumb turns keys, and a substantial hinge assembly.
- d. For external door grilles, all locks must be rated for outdoor use.
- e. For double leaf grill gates, one part of grille frame will have, two (2) heavy duty door anchor throw-bolts (one at the top and one at the bottom) to ensure that the co-dependent doors cannot be pulled apart, thus defeating the function of the key lock.
- f. The throw-bolt assembly shall be designed to allow it to remain locked in either the open or the closed positions.
- g. All mortise locks and anchor throw-bolts will be covered and welded directly to the grill. This will ensure that neither the locks nor throw-bolts can be manipulated and/or defeated from the outside.
- h. All associated mounting hardware shall be rated for the type of door/grille on which it's installed.

IV. General grille requirements:

- a. Grilles may be installed on the interior or the exterior of the window and/or door opening, depending on the window/door operation, and surrounding structures.
- b. Grilles may be either recessed or surface mounted.
- c. Special attention should be paid to the marble window/door sills when designing, fabricating, and installing the grilles to avoid damage to the marble.
- d. All grilles shall be installed in such a way as to preserve complete window functionality.

V. Emergency Release Devices:

- a. This secondary exit, when installed onto grille work, is known as an emergency release device. The purpose of this device is to make it easy for the occupants to escape during a fire. Because of this, the emergency release device must not require the use of a key, nor tool, nor special knowledge to be operated.

VI. Responsibility of the Contractor:

1. The Contractor must designate a Site Manager/Foreman for the entirety of the job. This person will be responsible for overseeing the project and for answering all questions that arise. The Site Manager must be always reachable by cell phone and/or email, without significant delay, during the workday.

2. The Contractor shall submit a Construction Schedule for the project, with all critical activities and dates clearly identified. For example: grille fabrication will take place from (date) to (date); grille installation will take place from (date) to (date). The Site Manager/Foreman shall give weekly status reports on the Contractor's adherence to this schedule to the RSO.
3. The Contractor shall be responsible for the professional quality, technical accuracy, and the coordination of all construction and other services furnished under this contract. The Contractor shall, without additional compensation, correct or revise any errors or deficiencies in his fabrication and installation.
4. The Contractor must follow all applicable safety regulations and provide his personnel with appropriate safety equipment and machineries.
5. Any waste produced during the job must be removed by the Contractor. This includes the debris, empty paint can and any pieces of metal.
6. Any damage to interior or exterior surfaces caused by the Contractor during the performance of this contract will be repaired by the Contractor to their original state.
7. The storage of any equipment on the job site during the installation is at the contractor's own risk.