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# STATEMENT OF WORK

## EXTENSION OF THE PERIMETER WALL

MARCH 2014

## 1. SITE ADDRESS:

US Embassy Sofia, #16 Kozyak St.

## 2. BACKGROUND

The purpose of this scope of work is extension part of the concrete perimeter wall of the compound as per the attached drawings

## 3. SCOPE OF WORK

This document is being issued by the US Department of State with the purpose to enter into a contract the following works:

- 3.1. Fabrication of 38 precast reinforced concrete elements, width between 80 cm and 250 cm, height between 13 cm and 94 cm (see the specification table below) and transportation to the Embassy compound
- 3.2. Installation of the precast elements on the top of the existing perimeter wall using mobile crane.

## 4. GENERAL CONDITIONS

### 4.1. Materials, tools and codes

- 4.1.1. All materials to be used shall be indicated in the quote and approved by the COR
- 4.1.2. All work must be executed strictly in accordance with the current Codes of Practice.
- 4.1.3. All works to be completed in accordance with the relevant and current Bulgarian Standards.
- 4.1.4. The contractor is responsible for all the contractor-owned tools and equipment at all times and shall provide a lockable tool and material box for their operatives if required.

## 5. PARTICULAR CONDITIONS

### 5.1. Precast wall extensions

- 5.1.1. All elements shall conform the specifications (attached)

- 5.1.2. All bars shall be deformed new billet steel conforming to ASTM designation A615M GRADE 420
- 5.1.3. Concrete shall be with 20 MPa cylinder compressive strength at 28 day and normal weight aggregate.
- 5.1.4. . The COR shall approve all materials against certificates provided by the vendor
- 5.1.5. The surface of the concrete shall be 'Fairfaced concrete'
- 5.1.6. The contractor shall be responsible for any hooks or holders that will facilitate the installation. All hooks/holder shall be removed after installation.
- 5.1.7. The COR shall inspect the reinforcement of the precast wall extensions prior to pouring out of the concrete.

## 5.2. Installation

- 5.2.1. The contractor shall remove the plaster on the top of the existing fence
- 5.2.2. The precast elements shall be laid on their positions using a mobile crane. There should be 80 cm anchors made of N16 rebar, flushed 40 cm into existing and extension elements, using HILTI two-component adhesive HIT-CT 1 Injectable mortar. It shall be a contractor decision on how to install the anchors
- 5.2.3. Plaster the horizontal joints, continue the vertical expansion joints
- 5.2.4. Paint the entire upgraded sections from both sides using latex paint for outdoor application, the same color

## 5.3. Reception of works and cleaning requirements

The Contractor is required to keep the work site neat and in presentable condition at all times and, at his own cost.

The Contractor will visit the site personally, and prepare technical specifications and drawings for all works that are included in the project. The Contractor shall verify all measurements, surface areas, and material specifications prior to providing a proposed work schedule and time line to the Embassy for approval. The Contractor shall be responsible for removal and disposal of all construction debris by providing adequate number and size of waste receptacles and other cleaning supplies. The Contractor will be responsible for site restoration and damages due to work.

The Contract personnel will only use restrooms and break areas identified and assigned to them by embassy personnel.

A full time technical supervisor will be assigned, who will be available on project site during the working hours. The technical supervisor will have working knowledge of written and spoken English and will be capable of interpreting drawings and specifications.

Work hours will be from 08:30 to 18:00 only on working days.

Requests to do work outside of these hours must be approved in advance by the Embassy, and shall be detailed in the Contractor's proposal.

All off hour work not identified in proposal must be scheduled in advance and require embassy approval.

The Embassy reserves the right to stop contractor work due to Embassy business and special events. All effort will be made to provide advance warning and minimize contractor losses.

The project shall be completed within 40 working days of the scheduled start date. The start date will be determined by the Embassy and communicated to the Contractor a minimum of 10 working days before work is scheduled to begin.

#### 5.4. Safety

The COR or GTM will ensure that all equipment used during the project is in safe operating condition.

All personnel on the job site shall have the appropriate job safety equipment and Personal Protective Equipment (PPE).

- Hard Hats(If overhead work)
- Sturdy shoes with full foot cover.

COR or GTM reserves the right to stop the work if any unsafe contractor conditions are observed or encountered.

All electrical equipment such as drills, saws, and electrical extension cords must be free from any defects or missing insulation.

All ladders, scaffolds and climbing gear will be in good condition and used in a proper manner.

All site personnel must wear proper fall protection while working from heights in excess of 2 meters.

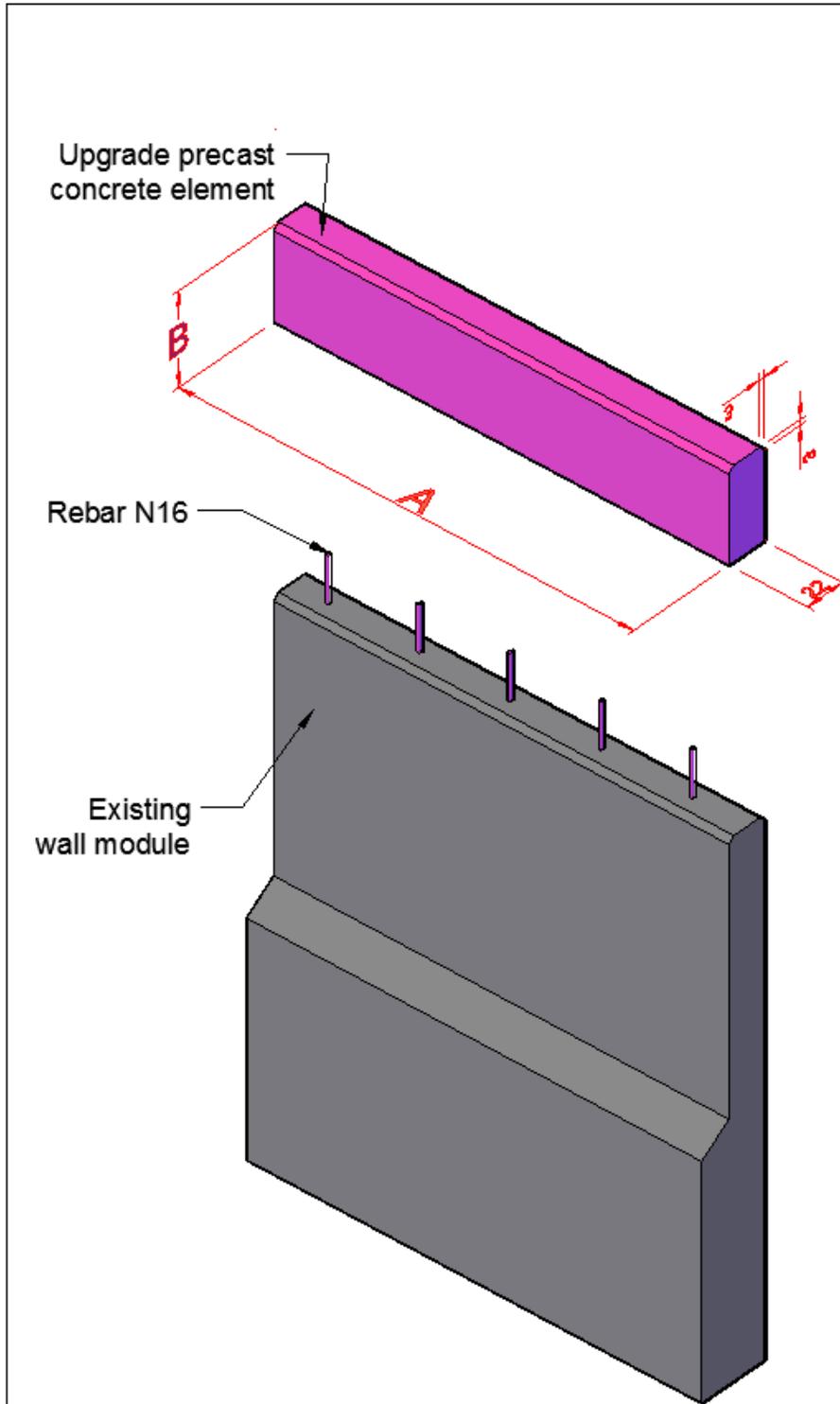
## 5.5. WARRANTY OF CONSTRUCTION

The warranty of contractor work shall continue for a period of ten years from the date of customer final acceptance of the work.

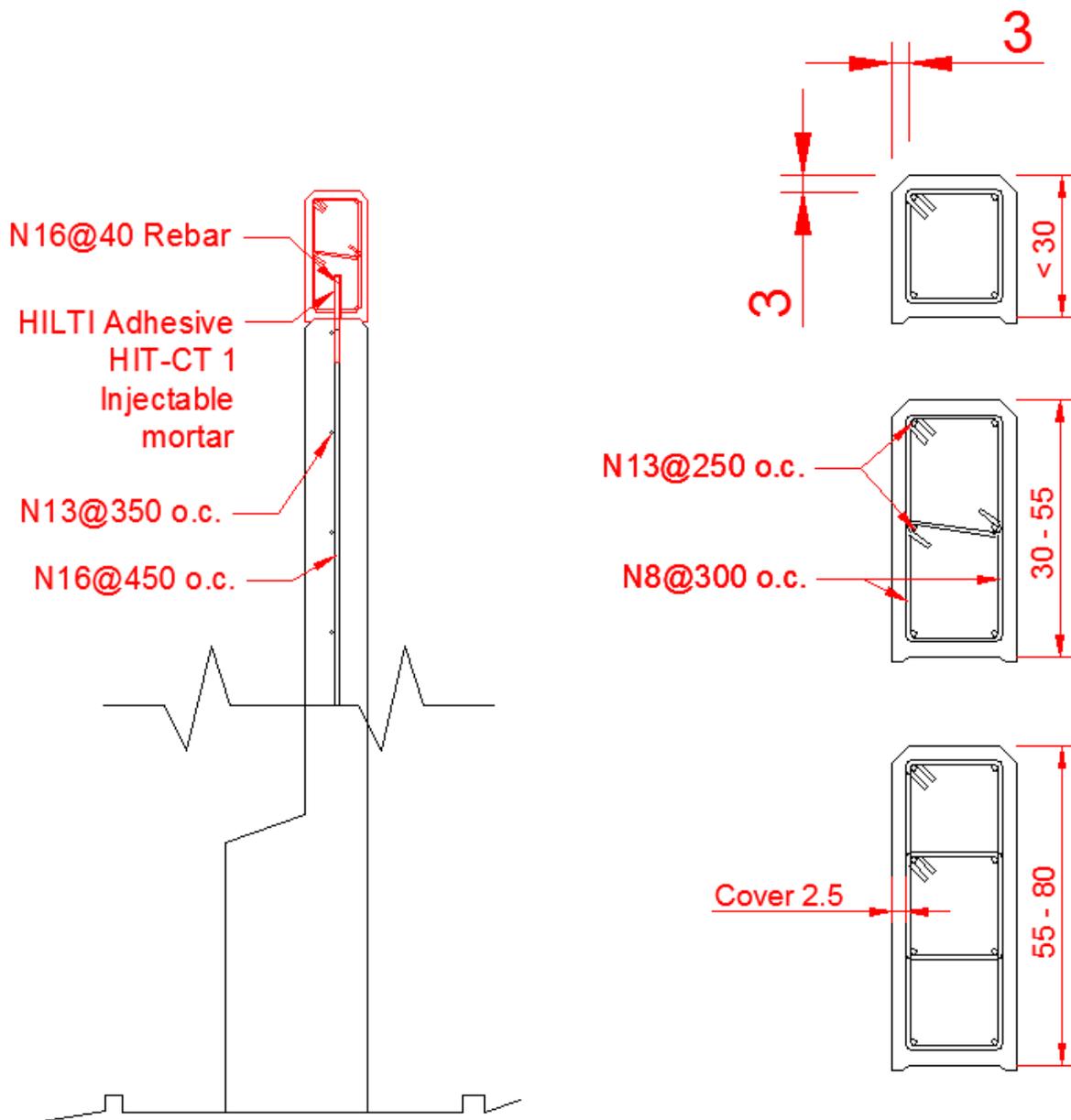
Contractor shall be responsible to correct any and all faults or defects which may occur within ten years from the date of final acceptance of the work.

Contractor shall repair or replace low quality work that does not meet industry standards.

The contractor shall bear all the cost to fix the repairing work during the warranty period.



UPGRADE MODULE	A cm	B cm
U-19.21	244.0	45.5
U-19.22	244.0	45.5
U-19.23	120.5	16.0
U-19.24	97.0	16.0
U-20.01	139.5	16.0
U-20.04	128.0	48.0
U-21.01	112.0	48.0
U-21.02	239.5	20.0
U-21.03	240.0	20.0
U-21.04	240.5	20.0
U-21.05	242.0	20.0
U-21.06	240.0	20.0
U-21.07	240.0	20.0
U-21.08	246.0	66.0
U-21.09	239.0	66.0
U-21.10	240.0	66.0
U-21.11	240.0	51.5
U-21.12	242.0	51.5
U-21.13	238.0	51.5
U-21.14	180.0	31.5
U-21.15	180.5	31.5
U-21.16	179.5	31.5
U-21.17	175.5	13.0
U-21.18	174.5	13.0
U-21.19	175.0	37.5
U-21.20	173.5	37.5
U-21.21	176.5	18.0
U-21.22	172.0	18.0
U-22.01	59.0	36.0
U-22.02	177.0	36.0
U-22.03	179.0	18.0
U-22.04	173.0	42.0
U-22.05	175.0	24.5
U-22.06	174.0	94.0
U-22.07	176.0	74.0
U-22.08	175.0	74.0
U-22.09	187.5	55.0
U-22.10	77.5	55.0



Concrete – with 20 MPa cylinder compressive strength at 28 day and normal weight aggregate.

All bars shall be deformed new billet steel conforming to ASTM designation A615M GRADE 420.