

April 29, 2016

Dear Offerors,

SUBJECT: RFQ Number S-PK330-16-Q-5803 for residential security upgrades at multiple U.S Embassy residences in different sectors of Islamabad

The Embassy of the United States of America invites you to submit a quotation for residential security upgrades at multiple U.S Embassy residences in different sectors of Islamabad as described in the Scope of Work (SOW).

If you are interested in submitting a quotation for this project, read the instructions in Section J and L of the attached Request for Quotation (RFQ). Go through all the documents in the solicitation package. The Embassy intends to conduct a site visit (see J. C, 52.236-27). **The site visit will be held on May 17, 2016 at 10:00 a.m.** Offerors interested in attending must e-mail: RizviAA@state.gov and LatifM@state.gov on or before **12.00 noon May 09, 2016**. A maximum of two persons from one firm may participate in the site visit/ pre-proposal conference. Interested offerors must provide full name of participant(s) (as written on CNIC), CNIC number and particulars of vehicle to be used such as make, model, color and registration number.

Your quotation must be submitted through courier in a sealed envelope marked "**Quotation Enclosed (SPK-330-16-Q-5803)**" to **GSO Procurement, American Embassy, Ramna-5, Islamabad on or before 1500 hrs on May 31, 2016**. No quotation will be accepted after this time.

Complete the OFFER portion of the Standard Form 1442, including all blank spaces, and have the form signed by an authorized representative of your company, or the proposal may be considered unacceptable and may be rejected.

In order for a quotation to be considered, you must also complete and submit the following:

1. Section B and Attachment 2: Quotation Breakdown by Divisions.
2. Section K, Representations and Certifications;
3. Bar Chart illustrating sequence of work to be performed;
4. Additional information as required in Section L.

Please direct any questions regarding this solicitation to **Faybein Moy** by letter or by telephone **92-51-201-4710** during regular business hours.

Sincerely,

Faybein Moy
Contracting Officer

SOLICITATION, OFFER, AND AWARD <i>(Construction, Alteration, or Repair)</i>	1. SOLICITATION NO. S-PK-330-16-Q-5803	2. TYPE OF SOLICITATION <input type="checkbox"/> SEALED BID (IFB) <input checked="" type="checkbox"/> NEGOTIATED (RFQ)	3. DATE ISSUED April 29, 2016	PAGE OF PAGES 1 of 107
	IMPORTANT - The "offer" section on the reverse must be fully completed by offeror.			

4. CONTRACT NO.	5. REQUISITION/PURCHASE REQUEST NO. PR#5154452	6. PROJECT NO. Residential security upgrades at multiple U.S Embassy residences in different sectors of Islamabad
7. ISSUED BY Contracting Officer, GSO-Procurement & Contracting Office American Embassy, Islamabad Diplomatic Enclave, Ramna-5 Islamabad, Pakistan	CODE	8. ADDRESS OFFER TO Contracting Officer, GSO-Procurement & Contracting Office American Embassy, Islamabad Diplomatic Enclave, Ramna-5 Islamabad, Pakistan
9. FOR INFORMATION CALL: →	A. NAME Faybein Moy	B. TELEPHONE NO. <i>(Include area code) (NO COLLECT CALLS)</i> (92) 051-201-4710

SOLICITATION

NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid" and "bidder."

10. THE GOVERNMENT REQUIRES PERFORMANCE OF THE WORK DESCRIBED IN THESE DOCUMENTS *(Title, identifying no., date):*

TABLE OF CONTENTS

- A. Price
- B. Scope of Work
- C. Packaging and Marking
- D. Inspection and Acceptance
- E. Deliveries/Performance
- F. Administrative Data
- G. Special Requirements
- H. Clauses
- I. List of Attachments
- J. Quotation Information
- K. Evaluation Criteria
- L. Representations, Certifications, and other Statements of Offerors or Quoters

Attachments

- Attachment 1: Sample Bank Letter of Guarantee (1 page)
- Attachment 2: Breakdown of Price by Divisions of Specifications (1 page)
- Attachment 3: Drawing
- Attachment 4: Scope of Work (SOW) (08 pages)

11. The Contractor shall begin performance within **10** calendar days and complete within **60 working days** after receiving
 award, notice to proceed. This performance period is mandatory, negotiable. *(See Section)*

12A. THE CONTRACTOR MUST FURNISH ANY REQUIRED PERFORMANCE AND PAYMENT BONDS?
(If "YES," indicate within how many calendar days after award in Item 12B.)

YES NO

12B. CALENDAR DAYS

10 days after Award

13. ADDITIONAL SOLICITATION REQUIREMENTS:

- A. Sealed offers in original and 2 copies to perform the work required are due at the place specified in Item 8 by **1500** (hour) local time **May 31, 2016**. If this is a sealed bid solicitation, offers must be publicly opened at that time. Sealed envelopes containing offers shall be marked to show the offeror's name and address, the solicitation number, and the date and time offers are due.
- B. An offer guarantee is, is not required.
- C. All offers are subject to the (1) work requirements, and (2) other provisions and clauses incorporated in the solicitation in full text or by reference.
- D. Offers providing less than **60** calendar days for Government acceptance after the date offers are due will not be considered and will be rejected.

OFFER (Must be fully completed by offeror)

14. NAME AND ADDRESS OF OFFEROR (Include ZIP Code)		15. TELEPHONE NO. (Include area code)
		16. REMITTANCE ADDRESS (Include only if different than Item 14)
CODE	FACILITY CODE	

17. The offeror agrees to perform the work at the prices specified below in strict accordance with the terms of this solicitation, if this offer is accepted by the Government within ____ calendar days after the date offers are due. (Insert any number equal to or greater than the minimum requirement stated in Item 13D. Failure to insert any number means the offeror accepts the minimum in Item 13D.

AMOUNTS	➔
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18. The offeror agrees to furnish any required performance and payment bonds.

19. ACKNOWLEDGMENT OF AMENDMENTS

The offeror acknowledges receipt of amendments to the solicitation -- give number and date of each

AMENDMENT NO.										
DATE										

20A. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER (Type or print)	20B. SIGNATURE	20C. OFFER DATE
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AWARD (To be completed by Government)

21. ITEMS ACCEPTED:

22. AMOUNT	23. ACCOUNTING AND APPROPRIATION DATA
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24. SUBMIT INVOICES TO ADDRESS SHOWN IN (4 copies unless otherwise specified)	ITEM ➔	25. OTHER THAN FULL AND OPEN COMPETITION PURSUANT TO <input type="checkbox"/> 10 U.S.C. 2304(c)() <input type="checkbox"/> 41 U.S.C. 253(c)()
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26. ADMINISTERED BY Contracting Officer, U.S Embassy, Diplomatic Enclave, Ramna-5 Islamabad	CODE GSO	27. PAYMENT WILL BE MADE BY Financial Management Officer (FMO) U.S Embassy, Diplomatic Enclave, Ramna-5 Islamabad
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CONTRACTING OFFICER WILL COMPLETE ITEM 28 OR 29 AS APPLICABLE

<input type="checkbox"/> 28. NEGOTIATED AGREEMENT (Contractor is required to sign this document and return ____ copies to issuing office.) Contractor agrees to furnish and deliver all items or perform all work, requisitions identified on this form and any continuation sheets for the consideration slated in this contract. The rights and obligations of the parties to this contract shall be governed by (a) this contract award, (b) the solicitation, and (c) the clauses, representations, certifications, and specifications or incorporated by reference in or attached to this contract.	<input type="checkbox"/> 29. AWARD (Contractor is not required to sign this document.) Your offer on this solicitation is hereby accepted as to the items listed. This award consummates the contract, which consists of (a) the Government solicitation and your offer, and (b) this contract award. No further contractual document is necessary.
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30A. NAME AND TITLE OF CONTRACTOR OR PERSON AUTHORIZED TO SIGN (Type or print)	31A. NAME OF CONTRACTING OFFICER (Type or print) Faybein M. Moy
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30B. SIGNATURE	30C. DATE	31B. UNITED STATES OF AMERICA BY	31C. AWARD DATE
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BACK (REV. 4-85)

STANDARD FORM 1442

D. INSPECTION AND ACCEPTANCE

The COR, or his/her authorized representatives, will inspect from time to time the services being performed and the supplies furnished to determine whether work is being performed in a satisfactory manner, and that all supplies are of acceptable quality and standards.

The Contractor shall be responsible for any countermeasures or corrective action, within the scope of this contract, which may be required by the Contracting Officer as a result of such inspection.

D.1 SUBSTANTIAL COMPLETION

(a) "*Substantial Completion*" means the stage in the progress of the work as determined and certified by the Contracting Officer in writing to the Contractor, on which the work (or a portion designated by the Government) is sufficiently complete and satisfactory. Substantial completion means that the property may be occupied or used for the purpose for which it is intended, and only minor items such as touch-up, adjustments, and minor replacements or installations remain to be completed or corrected which:

- (1) do not interfere with the intended occupancy or utilization of the work, and
- (2) can be completed or corrected within the time period required for final completion.

(b) The "date of substantial completion" means the date determined by the Contracting Officer or authorized Government representative as of which substantial completion of the work has been achieved.

Use and Possession upon Substantial Completion - The Government shall have the right to take possession of and use the work upon substantial completion. Upon notice by the Contractor that the work is substantially complete (a Request for Substantial Completion) and an inspection by the Contracting Officer or an authorized Government representative (including any required tests), the Contracting Officer shall furnish the Contractor a Certificate of Substantial Completion. The certificate will be accompanied by a Schedule of Defects listing items of work remaining to be performed, completed or corrected before final completion and acceptance. Failure of the Contracting Officer to list any item of work shall not relieve the Contractor of responsibility for complying with the terms of the contract. The Government's possession or use upon substantial completion shall not be deemed an acceptance of any work under the contract.

D.2 FINAL COMPLETION AND ACCEPTANCE

D.2.1 "Final completion and acceptance" means the stage in the progress of the work as determined by the Contracting Officer and confirmed in writing to the Contractor, at which all work required under the contract has been completed in a satisfactory manner, subject to the discovery of defects after final completion, and except for items specifically excluded in the notice of final acceptance.

D.2.2 The "*date of final completion and acceptance*" means the date determined by the Contracting Officer when final completion of the work has been achieved, as indicated by written notice to the Contractor.

D.2.3 FINAL INSPECTION AND TESTS. The Contractor shall give the Contracting Officer at least five (5) days advance written notice of the date when the work will be fully completed and ready for final inspection and tests. Final inspection and tests will be started not later than the date specified in the notice unless the Contracting Officer determines that the work is not ready for final inspection and so informs the Contractor.

D.2.4 FINAL ACCEPTANCE. If the Contracting Officer is satisfied that the work under the contract is complete (with the exception of continuing obligations), the Contracting Officer shall issue to the Contractor a notice of final acceptance and make final payment upon:

- Satisfactory completion of all required tests,
- A final inspection that all items by the Contracting Officer listed in the Schedule of Defects have been completed or corrected and that the work is finally complete (subject to the discovery of defects after final completion), and
- Submittal by the Contractor of all documents and other items required upon completion of the work, including a final request for payment (Request for Final Acceptance).

E. DELIVERIES OR PERFORMANCE

52.211-10 COMMENCEMENT, PROSECUTION, AND COMPLETION OF WORK (APR 1984)

The Contractor shall be required to:

- (a) commence work under this contract within 10 calendar days after the date the Contractor receives the notice to proceed,
- (b) prosecute the work diligently, and,
- (c) Complete the entire work ready for use not later than 60 working days after issuance of Notice to Proceed (NTP).

The time stated for completion shall include final cleanup of the premises.

52.211-12 LIQUIDATED DAMAGES - CONSTRUCTION (SEPT 2000)

(a) If the Contractor fails to complete the work within the time specified in the contract, or any extension, the Contractor shall pay liquidated damages to the Government in the amount of **PKR 10,000** for each calendar day of delay until the work is completed or accepted.

(b) If the Government terminates the Contractor's right to proceed, liquidated damages will continue to accrue until the work is completed. These liquidated damages are in addition to excess costs of repurchase under the Default clause.

CONTRACTOR'S SUBMISSION OF CONSTRUCTION SCHEDULES

(a) The time for submission of the schedules referenced in FAR 52.236-15, "Schedules for Construction Contracts", paragraph (a), is hereby modified to reflect the due date for submission as "**Ten (10)**" calendar days after receipt of an executed contract".

(b) These schedules shall include the time by which shop drawings, product data, samples and other submittals required by the contract will be submitted for approval.

(c) The Contractor shall revise such schedules (1) to account for the actual progress of the work, (2) to reflect approved adjustments in the performance schedule, and (3) as required by the Contracting Officer to achieve coordination with work by the Government and any separate contractors used by the Government. The Contractor shall submit a schedule, which sequences work so as to minimize disruption at the job site.

(d) All deliverables shall be in the English language and any system of dimensions (English or metric) shown shall be consistent with that used in the contract. No extension of time shall be allowed due to delay by the Government in approving such deliverables if the Contractor has failed to act promptly and responsively in submitting its deliverables. The Contractor shall identify each deliverable as required by the contract.

(e) Acceptance of Schedule: When the Government has accepted any time schedule; it shall be binding upon the Contractor. The completion date is fixed and may be extended only by a written contract modification signed by the Contracting Officer. Acceptance or approval of any schedule or revision thereof by the Government shall not:

- (1) Extend the completion date or obligate the Government to do so,
- (2) Constitute acceptance or approval of any delay, or
- (3) Excuse the Contractor from or relieve the Contractor of its obligation to maintain the progress of the work and achieve final completion by the established completion date.

NOTICE OF DELAY

If the Contractor receives a notice of any change in the work, or if any other conditions arise which are likely to cause or are actually causing delays which the Contractor believes may result in late completion of the project, the Contractor shall notify the Contracting Officer. The Contractor's notice shall state the effect, if any, of such change or other conditions upon the approved schedule, and shall state in what respects, if any, the relevant schedule or the completion date should be revised. The Contractor shall give such notice promptly, not more than ten (10) days after the first event giving rise to the delay or prospective delay. Only the Contracting Officer may make revisions to the approved time schedule.

NOTICE TO PROCEED

(a) After receiving and accepting any bonds or evidence of insurance, the Contracting Officer will provide the Contractor a Notice to Proceed. The Contractor must then prosecute the work, commencing and completing performance not later than the time period established in the contract.

(b) It is possible that the Contracting Officer may elect to issue the Notice to Proceed before receipt and acceptance of any bonds or evidence of insurance. Issuance of a Notice to Proceed by the Government before receipt of the required bonds or insurance certificates or policies shall not be a waiver of the requirement to furnish these documents.

WORKING HOURS

All work shall be performed during **0800 – 1630 hrs, from Monday through Friday**. Other hours, if requested by the Contractor, may be approved by the Contracting Officer's Representative (COR). The Contractor shall give 24 hours in advance to COR who will consider any deviation from the hours identified above. Changes in work hours, initiated by the Contractor, will not be a cause for a price increase.

PRECONSTRUCTION CONFERENCE

A preconstruction conference may be held 10 days after contract award at **U.S. Embassy, Diplomatic Enclave, Ramna-5 Islamabad** to discuss the schedule, submittals, notice to proceed, mobilization and other important issues that effect construction progress. See FAR 52.236-26, Preconstruction Conference.

DELIVERABLES - The following items shall be delivered under this contract:			
<u>Description</u>	<u>Quantity</u>	<u>Deliver Date</u>	<u>Deliver To</u>
Section G. Securities/Insurance	1	10 days after award	CO
Section E. Construction Schedule	1	10 days after award	COR
Section E. Preconstruction Conference	1	10 days after award	COR
Section G. Personnel Biographies	1	10 days after award	COR
Section F. Payment Request	1	Last calendar day of each month	COR
Section D. Request for Substantial Completion	1	15 days before inspection	COR
Section D. Request for Final Acceptance	1	5 days before inspection	COR

F. ADMINISTRATIVE DATA

652.242-70 CONTRACTING OFFICER'S REPRESENTATIVE (COR) (AUG 1999)

(a) The Contracting Officer may designate in writing one or more Government employees, by name or position title, to take action for the Contracting Officer under this contract. Each designee shall be identified as a Contracting Officer's Representative (COR). Such designation(s) shall specify the scope and limitations of the authority so delegated; provided, that the designee shall not change the terms or conditions of the contract, unless the COR is a warranted Contracting Officer and this authority is delegated in the designation.

(b) The COR for this contract is ***Residential Security Supervisor U.S. Embassy, Islamabad.***

Payment: The Contractor's attention is directed to Section H, 52.232-5, "Payments Under Fixed-Price Construction Contracts". The following elaborates on the information contained in that clause.

Requests for payment, may be made no more frequently than monthly. Payment requests shall cover the value of labor and materials completed and in place, including a prorated portion of overhead and profit.

After receipt of the Contractor's request for payment, and on the basis of an inspection of the work, the Contracting Officer shall make a determination as to the amount, which is then due. If the Contracting Officer does not approve payment of the full amount applied for, less the retainage allowed by in 52.232-5, the Contracting Officer shall advise the Contractor as to the reasons.

Under the authority of 52.232-27(a), the 14 day period identified in FAR 52.232-27(a)(1)(i)(A) is hereby changed to 30 days.

Financial Management Officer, U.S. Embassy, Diplomatic Enclave, Ramna-5, Islamabad

G. SPECIAL REQUIREMENTS

G.1.0 PERFORMANCE/PAYMENT PROTECTION - The Contractor shall furnish bank guarantee as described in 52.228-13 in the amount of 20% of the contract price. These bonds should be in the form of irrevocable letter of credit, bank guarantee, or insurance guarantee from a recognized financial institution.

G.1.1 The Contractor shall provide the information required by the paragraph above within ten (10) calendar days after award. Failure to timely submit the required security may result in rescinding or termination of the contract by the Government. If the contract is terminated, the Contractor will be liable for those costs as described in FAR 52.249-10, Default (Fixed-Price Construction), which is included in this purchase order.

G.1.2 The bonds or alternate performance security shall guarantee the Contractor's execution and completion of the work within the contract time. This security shall also guarantee the correction of any defects after completion, the payment of all wages and other amounts payable by the Contractor under its subcontracts or for labor and materials, and the satisfaction or removal of any liens or encumbrances placed on the work.

G.1.3 The required securities shall remain in effect in the full amount required until final acceptance of the project by the Government. Upon final acceptance, the penal sum of the performance security shall be reduced to 10% of the contract price. The security shall remain in effect for one year after the date of final completion and acceptance, and the Contractor shall pay any premium required for the entire period of coverage.

G.2.0 INSURANCE - The Contractor is required by FAR 52.228-5, "Insurance - Work on a Government Installation" to provide whatever insurance is legally necessary. The Contractor shall at its own expense provide and maintain during the entire performance period the following insurance amounts:

G.2.1 GENERAL LIABILITY (includes premises/operations, collapse hazard, products, completed operations, contractual, independent contractors, broad form property damage, personal injury) :

(1) BODILY INJURY, ON OR OFF THE SITE, IN PAKISTANI RUPEE	
Per Occurrence	50,000 PKR
Cumulative	250,000 PKR
(2) PROPERTY DAMAGE, ON OR OFF THE SITE, IN PAKISTANI RUPEE	
Per Occurrence	50,000 PKR
Cumulative	250, 000 PKR

G.2.2 The foregoing types and amounts of insurance are the minimums required. The Contractor shall obtain any other types of insurance required by local law or that are ordinarily or customarily obtained in the location of the work. The limit of such insurance shall be as provided by law or sufficient to meet normal and customary claims.

G.2.3 The Contractor agrees that the Government shall not be responsible for personal injuries or for damages to any property of the Contractor, its officers, agents, servants, and employees, or any other person, arising from and incident to the Contractor's performance of this contract. The Contractor shall hold harmless and indemnify the Government from any and all claims arising therefrom, except in the instance of gross negligence on the part of the Government.

G.2.4 The Contractor shall obtain adequate insurance for damage to, or theft of, materials and equipment in insurance coverage for loose transit to the site or in storage on or off the site.

G.2.5 The general liability policy required of the Contractor shall name "the United States of America, acting by and through the Department of State", as an additional insured with respect to operations performed under this contract.

G.3.0 DOCUMENT DESCRIPTIONS

G.3.1 SUPPLEMENTAL DOCUMENTS: The Contracting Officer shall furnish from time to time such detailed drawings and other information as is considered necessary, in the opinion of the Contracting Officer, to interpret, clarify, supplement, or correct inconsistencies, errors or omissions in the Contract documents, or to describe minor changes in the work not involving an increase in the contract price or extension of the contract time. The Contractor shall comply with the requirements of the supplemental documents, and unless prompt objection is made by the Contractor within 20 days, their issuance shall not provide for any claim for an increase in the Contract price or an extension of contract time.

G.3.1.1. RECORD DOCUMENTS. The Contractor shall maintain at the project site:

- (1) a current marked set of Contract drawings and specifications indicating all interpretations and clarification, contract modifications, change orders, or any other departure from the contract requirements approved by the Contracting Officer; and,
- (2) a complete set of record shop drawings, product data, samples and other submittals as approved by the Contracting Officer.

G.3.1.2. "As-Built" Documents: After final completion of the work, but before final acceptance thereof, the Contractor shall provide:

- (1) a complete set of "as-built" drawings, based upon the record set of drawings, marked to show the details of construction as actually accomplished; and,
- (2) record shop drawings and other submittals, in the number and form as required by the specifications.

G.4.0 LAWS AND REGULATIONS - The Contractor shall, without additional expense to the Government, be responsible for complying with all laws, codes, ordinances, and regulations applicable to the performance of the work, including those of the host country, and with the lawful orders of any governmental authority having jurisdiction. Host country authorities may not enter the construction site without the permission of the Contracting Officer. Unless otherwise directed by the Contracting Officer, the Contractor shall comply with the more stringent of the requirements of such laws, regulations and orders and of the contract. In the event of a conflict between the contract and such laws, regulations and orders, the Contractor shall promptly advise the Contracting Officer of the conflict and of the Contractor's proposed course of action for resolution by the Contracting Officer.

G.4.1 The Contractor shall comply with all local labor laws, regulations, customs and practices pertaining to labor, safety, and similar matters, to the extent that such compliance is not inconsistent with the requirements of this contract.

G.4.2 The Contractor shall give written assurance to the Contracting Officer that all subcontractors and others performing work on or for the project have obtained all requisite licenses and permits.

G.4.3 The Contractor shall submit proper documentation and evidence satisfactory to the Contracting Officer of compliance with this clause.

G.5.0 CONSTRUCTION PERSONNEL - The Contractor shall maintain discipline at the site and at all times take all reasonable precautions to prevent any unlawful, riotous, or disorderly conduct by or among those employed at the site. The Contractor shall ensure the preservation of peace and protection of persons and property in the neighborhood of the project against such action. The Contracting Officer may require, in writing that the Contractor remove from the work any employee that the Contracting Officer deems incompetent, careless, insubordinate or otherwise objectionable, or whose continued employment on the project is deemed by the Contracting Officer to be contrary to the Government's interests.

G.5.1 If the Contractor has knowledge that any actual or potential labor dispute is delaying or threatens to delay the timely performance of this contract, the Contractor shall immediately give notice, including all relevant information, to the Contracting Officer.

G.5.2 After award, the Contractor has ten calendar days to submit to the Contracting Officer a list of workers and supervisors assigned to this project for the Government to conduct all necessary security checks. It is anticipated that security checks will take **14** days to perform. For each individual the list shall include:

Full Name
Place and Date of Birth
Current Address
Identification number
Copy of Valid Computerized National Identity Card issued by GOP

Failure to provide any of the above information may be considered grounds for rejection and/or resubmittal of the application. Once the Government has completed the security screening and approved the applicants a badge will be provided to the individual for access to the site. This badge may be revoked at any time due to the falsification of data, or misconduct on site.

G.5.3 The Contractor shall provide an English speaking supervisor on site at all times. This position is considered as key personnel under this purchase order.

G.6.0 Materials and Equipment - All materials and equipment incorporated into the work shall be new and for the purpose intended, unless otherwise specified. All workmanship shall be of good quality and performed in a skillful manner that will withstand inspection by the Contracting Officer.

G.7.0 SPECIAL WARRANTIES

G.7.1 Any special warranties that may be required under the contract shall be subject to the stipulations set forth in 52.246-21, "Warranty of Construction", as long as they are not in conflict.

G.7.2 The Contractor shall obtain and furnish to the Government all information required to make any subcontractor's, manufacturer's, or supplier's guarantee or warranty legally binding and effective. The Contractor shall submit both the information and the guarantee or warranty to the Government in sufficient time to permit the Government to meet any time limit specified in the guarantee or warranty, but not later than completion and acceptance of all work under this contract.

G.8.0 EQUITABLE ADJUSTMENTS

Any circumstance for which the contract provides an equitable adjustment that causes a change within the meaning of paragraph (a) of the "Changes" clause shall be treated as a change under that clause; provided, that the Contractor gives the Contracting Officer prompt written notice (within 20 days) stating:

- (a) the date, circumstances, and applicable contract clause authorizing an equitable adjustment and
- (b) that the Contractor regards the event as a changed condition for which an equitable adjustment is allowed under the contract

The Contractor shall provide written notice of a differing site condition within 10 calendar days of occurrence following FAR 52.236-2, Differing Site Conditions.

G.9.0 ZONING APPROVALS AND PERMITS

The Government shall be responsible for:

- obtaining proper zoning or other land use control approval for the project
- obtaining the approval of the Contracting Drawings and Specifications
- paying fees due for the foregoing; and,
- for obtaining and paying for the initial building permits.

H. CLAUSES

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this/these address(es): <http://www.acquisition.gov/far/> or <http://farsite.hill.af.mil/vffara.htm>. Please note these addresses are subject to change.

If the Federal Acquisition Regulation (FAR) is not available at the locations indicated above, use the Department of State Acquisition website at <http://www.statebuy.state.gov/> to access links to the FAR. You may also use an internet “search engine” (for example, Google, Yahoo, Excite) to obtain the latest location of the most current FAR.

The following Federal Acquisition Regulation clause(s) is/are incorporated by reference (48 CFR CH. 1):

<u>CLAUSE</u>	<u>TITLE AND DATE</u>
52.202-1	DEFINITIONS (NOV 2013)
52.204-9	PERSONAL IDENTITY VERIFICATION OF CONTRACTOR PERSONNEL (JAN 2011)
52.204-10	REPORTING EXECUTIVE COMPENSATION AND FIRST-TIER SUBCONTRACT AWARDS (JULY 2013)
52.204-12	DATA UNIVERSAL NUMBERING SYSTEM NUMBER MAINTENANCE (DEC 2012)
52.204-13	SYSTEM FOR AWARD MANAGEMENT MAINTENANCE (JULY 2013)
52.209-6	PROTECTING THE GOVERNMENT'S INTEREST WHEN SUBCONTRACTING WITH CONTRACTORS DEBARRED, SUSPENDED OR PROPOSED FOR DEBARMENT (AUG 2013)
52.209-9	UPDATES OF INFORMATION REGARDING RESPONSIBILITY MATTERS (JULY 2013)
52.213-4	TERMS AND CONDITIONS –SIMPLIFIED ACQUISITIONS (OTHER THAN COMMERCIAL ITEMS) (OCT 2014)
52.216-7	ALLOWABLE COST AND PAYMENT (JUN 2013)
52.222-1	NOTICE TO THE GOVERNMENT OF LABOR DISPUTES (FEB 1997)

- 52.222-19 CHILD LABOR – COOPERATION WITH AUTHORITIES AND REMEDIES (JAN 2014)
- 52.223-18 ENCOURAGING CONTRACTOR POLICIES TO BAN TEXT MESSAGING WHILE DRIVING (AUG 2011)
- 52.225-13 RESTRICTIONS ON CERTAIN FOREIGN PURCHASES (JUNE 2008)
- 52.225-14 INCONSISTENCY BETWEEN ENGLISH VERSION AND TRANSLATION OF CONTRACT (FEB 2000)
- 52.225-19 CONTRACTOR PERSONNEL IN A DESIGNATED OPERATIONAL AREA OR SUPPORTING A DIPLOMATIC MISSION OUTSIDE THE UNITED STATES (MAR 2008)
- 52.228-4 WORKERS’ COMPENSATION AND WAR-HAZARD INSURANCE OVERSEAS (APR 1984)
- 52.228-5 INSURANCE - WORK ON A GOVERNMENT INSTALLATION (JAN 1997)
- 52.228-11 PLEDGES OF ASSETS (JAN 2012)
- 52.228-13 ALTERNATIVE PAYMENT PROTECTION (JULY 2000)
- 52.228-14 IRREVOCABLE LETTER OF CREDIT (NOV 2014)
- 52.229-6 TAXES - FOREIGN FIXED-PRICE CONTRACTS (FEB 2013)
- 52.229-7 TAXES- FIXED PRICE CONTRACTS WITH FOREIGN GOVERNMENTS (FEB 2013)
- 52.232-5 PAYMENTS UNDER FIXED-PRICE CONSTRUCTION CONTRACTS (MAY 2014)
- 52.232-8 DISCOUNTS FOR PROMPT PAYMENT (FEB 2002)
- 52.232-11 EXTRAS (APR 1984)
- 52.232-18 AVAILABILITY OF FUNDS (APR 1984)
- 52.232-22 LIMITATION OF FUNDS (APR 1984)
- 52.232-25 PROMPT PAYMENT (JULY 2013)
- 52.232-27 PROMPT PAYMENT FOR CONSTRUCTION CONTRACTS (MAY 2014)

- 52.232-33 PAYMENT BY ELECTRONIC FUNDS TRANSFER - SYSTEM FOR AWARD MANAGEMENT (JULY 2013)
- 52.232-34 PAYMENT BY ELECTRONIC FUNDS TRANSFER – OTHER THAN SYSTEM FOR AWARD MANAGEMENT (JULY 2013)
- 52.233-1 DISPUTES (MAY 2014) *Alternate I (DEC 1991)*
- 52.233-3 PROTEST AFTER AWARD (AUG 1996)
- 52.236-2 DIFFERING SITE CONDITIONS (APR 1984)
- 52.236-3 SITE INVESTIGATION AND CONDITIONS AFFECTING THE WORK (APR 1984)
- 52.236-5 MATERIAL AND WORKMANSHIP (APR 1984)
- 52.236-6 SUPERINTENDENCE BY THE CONTRACTOR (APR 1984)
- 52.236-7 PERMITS AND RESPONSIBILITIES (NOV 1991)
- 52.236-8 OTHER CONTRACTS (APR 1984)
- 52.236-9 PROTECTION OF EXISTING VEGETATION, STRUCTURES, EQUIPMENT, UTILITIES, AND IMPROVEMENTS (APR 1984)
- 52.236-10 OPERATIONS AND STORAGE AREAS (APR 1984)
- 52.236-11 USE AND POSSESSION PRIOR TO COMPLETION (APR 1984)
- 52.236-12 CLEANING UP (APR 1984)
- 52.236-14 AVAILABILITY AND USE OF UTILITY SERVICES (APR 1984)
- 52.236-15 SCHEDULES FOR CONSTRUCTION CONTRACTS (APR 1984)
- 52.236-21 SPECIFICATIONS AND DRAWINGS FOR CONSTRUCTION (FEB 1997)
- 52.236-26 PRECONSTRUCTION CONFERENCE (FEB 1995)
- 52.242-14 SUSPENSION OF WORK (APR 1984)
- 52.243-4 CHANGES (JUN 2007)
- 52.243-5 CHANGES AND CHANGED CONDITIONS (APR 1984)

- 52.244-6 SUBCONTRACTS FOR COMMERCIAL ITEMS (JULY 2014)
- 52.245-2 GOVERNMENT PROPERTY INSTALLATION OPERATION SERVICES (APR 2012)
- 52.245-9 USE AND CHARGES (APR 2012)
- 52.246-12 INSPECTION OF CONSTRUCTION (AUG 1996)
- 52.246-17 WARRANTY OF SUPPLIES OF A NONCOMPLEX NATURE (JUN 2003)
- 52.246-21 WARRANTY OF CONSTRUCTION (MAR 1994)
- 52.249-2 TERMINATION FOR CONVENIENCE OF THE GOVERNMENT (FIXED-PRICE) (APR 2012) *Alternate I (SEPT 1996)*
- 52.249-10 DEFAULT (FIXED-PRICE CONSTRUCTION) (APR 1984)
- 52.249-14 EXCUSABLE DELAYS (APR 1984)

652.204-70 DEPARTMENT OF STATE PERSONAL IDENTIFICATION CARD ISSUANCE PROCEDURES (MAY 2011)

(a) The Contractor shall comply with the Department of State (DOS) Personal Identification Card Issuance Procedures for all employees performing under this contract who require frequent and continuing access to DOS facilities, or information systems. The Contractor shall insert this clause in all subcontracts when the subcontractor's employees will require frequent and continuing access to DOS facilities, or information systems.

(b) The DOS Personal Identification Card Issuance Procedures may be accessed at <http://www.state.gov/m/ds/rls/rpt/c21664.htm> .

(End of clause)

652.236-70 ACCIDENT PREVENTION (APR 2004)

(a) *General.* The Contractor shall provide and maintain work environments and procedures which will safeguard the public and Government personnel, property, materials, supplies, and equipment exposed to contractor operations and activities; avoid interruptions of Government operations and delays in project completion dates; and, control costs in the performance of this contract. For these purposes, the Contractor shall:

- (1) Provide appropriate safety barricades, signs and signal lights;
- (2) Comply with the standards issued by any local government authority having jurisdiction over occupational health and safety issues; and,

(3) Ensure that any additional measures the Contracting Officer determines to be reasonably necessary for this purpose are taken.

(4) For overseas construction projects, the Contracting Officer shall specify in writing additional requirements regarding safety if the work involves:

(i) Scaffolding;

(ii) Work at heights above two (2) meters;

(iii) Trenching or other excavation greater than one (1) meter in depth;

(iv) Earth moving equipment;

(v) Temporary wiring, use of portable electric tools, or other recognized electrical hazards. Temporary wiring and portable electric tools require the use of a ground fault circuit interrupter (GFCI) in the affected circuits; other electrical hazards may also require the use of a GFCI;

(vi) Work in confined spaces (limited exits, potential for oxygen less than 19.5 percent or combustible atmosphere, potential for solid or liquid engulfment, or other hazards considered to be immediately dangerous to life or health such as water tanks, transformer vaults, sewers, cisterns, etc.);

(vii) Hazardous materials – a material with a physical or health hazard including but not limited to, flammable, explosive, corrosive, toxic, reactive or unstable, or any operations which creates any kind of contamination inside an occupied building such as dust from demolition activities, paints, solvents, etc.; or

(viii) Hazardous noise levels.

(b) *Records.* The Contractor shall maintain an accurate record of exposure data on all accidents incident to work performed under this contract resulting in death, traumatic injury, occupational disease, or damage to or theft of property, materials, supplies, or equipment. The Contractor shall report this data in the manner prescribed by the Contracting Officer.

(c) *Subcontracts.* The Contractor shall be responsible for its subcontractors' compliance with this clause.

(d) *Written program.* Before commencing work, the Contractor shall:

(1) Submit a written plan to the Contracting Officer for implementing this clause. The plan shall include specific management or technical procedures for effectively controlling hazards associated with the project; and,

(2) Meet with the Contracting Officer to discuss and develop a mutual understanding relative to administration of the overall safety program.

(e) *Notification.* The Contracting Officer shall notify the Contractor of any non-compliance with these requirements and the corrective actions required. This notice, when delivered to the Contractor or the Contractor's representative on site, shall be deemed sufficient notice of the non-compliance and corrective action required. After receiving the notice, the Contractor shall immediately take corrective action. If the Contractor fails or refuses to promptly take corrective action, the Contracting Officer may issue an order suspending all or part of the work until satisfactory corrective action has been taken. The Contractor shall not be

entitled to any equitable adjustment of the contract price or extension of the performance schedule on any suspension of work order issued under this clause.

(End of clause)

652.242-73 AUTHORIZATION AND PERFORMANCE (AUG 1999)

(a) The Contractor warrants the following:

(1) That it has obtained authorization to operate and do business in the country or countries in which this contract will be performed;

(2) That it has obtained all necessary licenses and permits required to perform this contract; and,

(3) That it shall comply fully with all laws, decrees, labor standards, and regulations of said country or countries during the performance of this contract.

(b) If the party actually performing the work will be a subcontractor or joint venture partner, then such subcontractor or joint venture partner agrees to the requirements of paragraph (a) of this clause.

(End of clause)

652.243-70 NOTICES (AUG 1999)

Any notice or request relating to this contract given by either party to the other shall be in writing. Said notice or request shall be mailed or delivered by hand to the other party at the address provided in the schedule of the contract. All modifications to the contract must be made in writing by the Contracting Officer.

(End of clause)

652.229-71 PERSONAL PROPERTY DISPOSITION AT POSTS ABROAD (AUG 1999)

Regulations at 22 CFR Part 136 require that U.S. Government employees and their families do not profit personally from sales or other transactions with persons who are not themselves entitled to exemption from import restrictions, duties, or taxes. Should the Contractor experience importation or tax privileges in a foreign country because of its contractual relationship to the United States Government, the Contractor shall observe the requirements of 22 CFR Part 136 and all policies, rules, and procedures issued by the chief of mission in that foreign country.

I. LIST OF ATTACHMENTS

ATTACHMENT NUMBER	DESCRIPTION OF ATTACHMENT	NUMBER OF PAGES
Attachment 1	Sample Bank Letter of Guaranty	1
Attachment 2	Breakdown of Price by Divisions of Specifications	2
Attachment 3	Drawings (Attached separately)	4
Attachment 4	First Statement of Work/ Specifications	44
Attachment 5	Second Statement of Work/ Specifications	25

J. QUOTATION INFORMATION

A. QUALIFICATIONS OF OFFERORS

Offerors/quoters must be technically qualified and financially responsible to perform the work described in this solicitation. At a minimum, each Offeror/Quoter must meet the following requirements:

- (1) Be able to understand written and spoken English;
- (2) Have an established business with a permanent address and telephone listing;
- (3) Be able to demonstrate prior construction experience with suitable references;
- (4) Have the necessary personnel, equipment and financial resources available to perform the work;
- (5) Have all licenses and permits required by local law;
- (6) Meet all local insurance requirements;
- (7) Have the ability to obtain or to post adequate performance security, such as bonds, irrevocable letters of credit or guarantees issued by a reputable financial institution;
- (8) Have no adverse criminal record; and
- (9) Have no political or business affiliation which could be considered contrary to the interests of the United States.

B. SUBMISSION OF QUOTATIONS

This solicitation is for the performance of the construction services described in SCOPE OF WORK, and the Attachments which are a part of this request for quotation.

Each quotation must consist of the following:		
VOLUME	TITLE	NUMBER OF COPIES*
I	Standard Form 1442 including a completed Attachment 2, "BREAKDOWN OF PROPOSAL PRICE BY DIVISIONS OF SPECIFICATIONS	02
II	Performance schedule in the form of a "bar chart" and Business Management/Technical Proposal	03

Submit the complete quotation to the address indicated. If mailed, on Standard Form 18, or if hand-delivered, use the address set forth below:

RFQ No: SPK330-16-Q-5803
GSO-PROCUREMENT & CONTRACTING UNIT
U.S. EMBASSY, DIPLOMATIC ENCLAVE, RAMNA-5
ISLAMABAD

The Offeror/Quoter shall identify and explain/justify any deviations, exceptions, or conditional assumptions taken with respect to any of the instructions or requirements of this request for quotation in the appropriate volume of the offer.

Volume II: Performance schedule and Business Management/Technical Proposal.

(a) Present the performance schedule in the form of a "bar chart" indicating when the various portions of the work will be commenced and completed within the required schedule. This bar chart shall be in sufficient detail to clearly show each segregable portion of work and its planned commencement and completion date.

(b) The Business Management/Technical Proposal shall be in two parts, including the following information:

Proposed Work Information - Provide the following:

- (1) A list of the names, addresses and telephone numbers of the owners, partners, and principal officers of the Offeror;
- (2) The name and address of the Offeror's field superintendent for this project;
- (3) A list of the names, addresses, and telephone numbers of subcontractors and principal materials suppliers to be used on the project, indicating what portions of the work will be performed by them; and,

Experience and Past Performance - List all contracts and subcontracts your company has held over the past three years for the same or similar work. Provide the following information for each contract and subcontract:

- (1) Customer's name, address, and telephone numbers of customer's lead contract and technical personnel;
- (2) Contract number and type;
- (3) Date of the contract award place(s) of performance, and completion dates; Contract dollar value;
- (4) Brief description of the work, including responsibilities; and
- (5) Any litigation currently in process or occurring within last 5 years.

C. 52.236-27 SITE VISIT (CONSTRUCTION) (FEB 1995)

- (a) The clauses at 52.236-2, Differing Site Conditions, and 52.236-3, Site Investigations and Conditions Affecting the Work, will be included in any contract awarded as a result of this solicitation. Accordingly, offerors or quoters are urged and expected to inspect the site where the work will be performed.
- (b) A site visit has been scheduled for **May 17, 2016 at 1000Hrs**
- (c) Address will be communicated later to interested companies via reply to their expression of interest email to below stated email addresses.
- (d) Maximum of two persons from one firm may participate in the site visit/ pre-proposal conference. Interested offerors must provide with full name of participant(s) (as written on NIC), NIC number and particulars of vehicle to be used (make, model, color and registration). Offerors interested in attending must e-mail on or before **12.00 noon May 09, 2016:**

RizviAA@state.gov and LatifM@state.gov

D. MAGNITUDE OF CONSTRUCTION PROJECT

It is anticipated that the range in price of this contract will be: between 700,000.00 PKR to 1,700,000.00 PKR.

E. LATE QUOTATIONS. Late quotations shall be handled in accordance with FAR.

F. 52.252-1 SOLICITATION PROVISIONS INCORPORATED BY REFERENCE (FEB 1998)

This contract incorporates the following provisions by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. The offeror is cautioned that the listed provisions may include blocks that must be completed by the offeror and submitted with its quotation or offer. In lieu of submitting the full text of those provisions, the offeror may identify the provision by paragraph identifier and provide the appropriate information with its quotation or offer.

Also, the full text of a solicitation provision may be accessed electronically at: <http://acquisition.gov/far/index.html/> or <http://farsite.hill.af.mil/vffara.htm>. Please note these addresses are subject to change.

If the Federal Acquisition Regulation (FAR) is not available at the locations indicated above, use the Department of State Acquisition website at <http://www.statebuy.state.gov> to access the link to the FAR, or use of an Internet "search engine" (for example, Google, Yahoo or Excite) is suggested to obtain the latest location of the most current FAR.

The following Federal Acquisition Regulation provisions are incorporated by reference (48 CFR CH. 1):

<u>PROVISION</u>	<u>TITLE AND DATE</u>
52.204-6	DATA UNIVERSAL NUMBERING SYSTEM (DUNS) NUMBER (JULY 2013)
52.204-7	SYSTEM FOR AWARD MANAGEMENT (JULY 2013)
52.204-16	COMMERCIAL AND GOVERNMENT ENTITY CODE REPORTING (NOV 2014)
52.214-34	SUBMISSION OF OFFERS IN THE ENGLISH LANGUAGE (APR 1991)
52.215-1	INSTRUCTIONS TO OFFERORS--COMPETITIVE ACQUISITION (JAN 2004)

K. EVALUATION CRITERIA

Award will be made to the lowest priced, acceptable, responsible quoter. The Government reserves the right to reject quotations that are unreasonably low or high in price.

The Government will determine acceptability by assessing the offeror's compliance with the terms of the RFQ. The Government will determine responsibility by analyzing whether the apparent successful quoter complies with the requirements of FAR 9.1, including:

- ability to comply with the required performance period, taking into consideration all existing commercial and governmental business commitments;
- satisfactory record of integrity and business ethics;
- necessary organization, experience, and skills or the ability to obtain them;
- necessary equipment and facilities or the ability to obtain them; and
- otherwise, qualified and eligible to receive an award under applicable laws and regulations.

The following DOSAR is provided in full text:

652.209-79 REPRESENTATION BY CORPORATION REGARDING AN UNPAID DELINQUENT TAX LIABILITY OR A FELONY CRIMINAL CONVICTION UNDER ANY FEDERAL LAW (SEPT 2014) (DEVIATION per PIB 2014-21)

(a) In accordance with section 7073 of Division K of the Consolidated Appropriations Act, 2014 (Public Law 113-76) none of the funds made available by that Act may be used to enter into a contract with any corporation that –

(1) Was convicted of a felony criminal violation under any Federal law within the preceding 24 months, where the awarding agency has direct knowledge of the conviction, unless the agency has considered, in accordance with its procedures, that this further action is not necessary to protect the interests of the Government; or

(2) Has any unpaid Federal tax liability that has been assessed for which all judicial and administrative remedies have been exhausted or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability, where the awarding agency has direct knowledge of the unpaid tax liability, unless the Federal agency has considered, in accordance with its procedures, that this further action is not necessary to protect the interests of the Government.

For the purposes of section 7073, it is the Department of State's policy that no award may be made to any corporation covered by (1) or (2) above, unless the Procurement Executive has made a written determination that suspension or debarment is not necessary to protect the interests of the Government.

(b) Offeror represents that—

(1) It is [] is not [] a corporation that was convicted of a felony criminal violation under a Federal law within the preceding 24 months.

(2) It is [] is not [] a corporation that has any unpaid Federal tax liability that has been assessed for which all judicial and administrative remedies have been exhausted or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability.

(End of provision)

SECTION L - REPRESENTATIONS, CERTIFICATIONS AND
OTHER STATEMENTS OF OFFERORS OR QUOTERS

L.1 52.204-3 TAXPAYER IDENTIFICATION (OCT 1998)

(a) Definitions.

"Common parent", as used in this provision, means that corporate entity that owns or controls an affiliated group of corporations that files its Federal income tax returns on a consolidated basis, and of which the offeror is a member.

"Taxpayer Identification Number (TIN)", as used in this provision, means the number required by the IRS to be used by the offeror in reporting income tax and other returns. The TIN may be either a Social Security Number or an Employer Identification Number.

(b) All offerors must submit the information required in paragraphs (d) through (f) of this provision in order to comply with debt collection requirements of 31 U.S.C. 7701(c) and 3325 (d), reporting requirements of 26 USC 6041, 6041A, and 6050M and implementing regulations issued by the Internal Revenue Service (IRS). If the resulting contract is subject to the reporting requirements described in FAR 4.904, the failure or refusal by the offeror to furnish the information may result in a 31 percent reduction of payments

(c) otherwise due under the contract.

(d) The TIN may be used by the Government to collect and report on any delinquent amounts arising out of the offeror's relationship with the Government (31 USC 7701(c)(3)). If the resulting contract is subject to the payment reporting requirements described in FAR 4.904, the TIN provided hereunder may be matched with IRS records to verify the accuracy of the offeror's TIN.

(e) Taxpayer Identification Number (TIN).

TIN: _____

- TIN has been applied for.
- TIN is not required because:
 - Offeror is a nonresident alien, foreign corporation, or foreign partnership that does not have income effectively connected with the conduct of a trade or business in the U.S. and does not have an office or place of business or a fiscal paying agent in the U.S.;
 - Offeror is an agency or instrumentality of a foreign government;
 - Offeror is an agency or instrumentality of the Federal Government.

(e) Type of Organization.

- Sole Proprietorship;
- Partnership;
- Corporate Entity (not tax exempt);
- Corporate Entity (tax exempt);
- Government Entity (Federal, State or local);
- Foreign Government;

- International organization per 26 CFR 1.6049-4;
- Other _____.

(f) Common Parent.

- Offeror is not owned or controlled by a common parent as defined in paragraph (a) of this clause.
- Name and TIN of common parent:
 Name _____
 TIN _____

(End of provision)

L.2 52.204-8 ANNUAL REPRESENTATIONS AND CERTIFICATIONS (NOV 2014)

(a)(1) The North American Industry Classification System (NAICS) code(s) for this acquisition is/are:

- 236118 - Construction Management, residential remodeling**
- 236220 - Construction Management, commercial and institutional building or Warehouse construction**
- 237110 - Construction Management, water and sewage line and related structures**
- 237310 - Construction Management, highway road, street or bridge**
- 237990 - Construction Management, outdoor recreation facility**

(2) The small business size standard is **\$36.5 Million USD**.

(3) The small business size standard for a concern which submits an offer in its own name, other than on a construction or service contract, but which proposes to furnish a product which it did not itself manufacture, is 500 employees.

(b)(1) If the provision at 52.204-7, System for Award Management, is included in this solicitation, paragraph (d) of this provision applies.

(2) If the provision at 52.204-7 is not included in this solicitation, and the offeror is currently registered in the System for Award Management (SAM), and has completed the Representations and Certifications section of SAM electronically, the offeror may choose to use paragraph (d) of this provision instead of completing the corresponding individual representations and certifications in the solicitation. The offeror shall indicate which option applies by checking one of the following boxes:

- (i) Paragraph (d) applies.
- (ii) Paragraph (d) does not apply and the offeror has completed the individual representations and certifications in the solicitation.

(c)(1) The following representations or certifications in SAM are applicable to this solicitation as indicated:

(i) 52.203-2, Certificate of Independent Price Determination. This provision applies to solicitations when a firm-fixed-price contract or fixed-price contract with economic price adjustment is contemplated, unless—

- (A) The acquisition is to be made under the simplified acquisition procedures in Part 13;
- (B) The solicitation is a request for technical proposals under two-step sealed bidding procedures; or
- (C) The solicitation is for utility services for which rates are set by law or regulation.

- (ii) [52.203-11](#), Certification and Disclosure Regarding Payments to Influence Certain Federal Transactions. This provision applies to solicitations expected to exceed \$150,000.
- (iii) [52.204-3](#), Taxpayer Identification. This provision applies to solicitations that do not include the provision at [52.204-7](#), System for Award Management.
- (iv) [52.204-5](#), Women-Owned Business (Other Than Small Business). This provision applies to solicitations that—
 - (A) Are not set aside for small business concerns;
 - (B) Exceed the simplified acquisition threshold; and
 - (C) Are for contracts that will be performed in the United States or its outlying areas.
- (v) [52.209-2](#), Prohibition on Contracting with Inverted Domestic Corporations—Representation. This provision applies to solicitations using funds appropriated in fiscal years 2008, 2009, 2010, or 2012.
- (vi) [52.209-5](#), Certification Regarding Responsibility Matters. This provision applies to solicitations where the contract value is expected to exceed the simplified acquisition threshold.
- (vii) [52.214-14](#), Place of Performance—Sealed Bidding. This provision applies to invitations for bids except those in which the place of performance is specified by the Government.
- (viii) [52.215-6](#), Place of Performance. This provision applies to solicitations unless the place of performance is specified by the Government.
- (ix) [52.219-1](#), Small Business Program Representations (Basic & Alternate I). This provision applies to solicitations when the contract will be performed in the United States or its outlying areas.
 - (A) The basic provision applies when the solicitations are issued by other than DoD, NASA, and the Coast Guard.
 - (B) The provision with its Alternate I applies to solicitations issued by DoD, NASA, or the Coast Guard.
- (x) [52.219-2](#), Equal Low Bids. This provision applies to solicitations when contracting by sealed bidding and the contract will be performed in the United States or its outlying areas.
- (xi) [52.222-22](#), Previous Contracts and Compliance Reports. This provision applies to solicitations that include the clause at [52.222-26](#), Equal Opportunity.
- (xii) [52.222-25](#), Affirmative Action Compliance. This provision applies to solicitations, other than those for construction, when the solicitation includes the clause at [52.222-26](#), Equal Opportunity.
- (xiii) [52.222-38](#), Compliance with Veterans' Employment Reporting Requirements. This provision applies to solicitations when it is anticipated the contract award will exceed the simplified acquisition threshold and the contract is not for acquisition of commercial items.
- (xiv) [52.223-1](#), Biobased Product Certification. This provision applies to solicitations that require the delivery or specify the use of USDA–designated items; or include the clause at [52.223-2](#), Affirmative Procurement of Biobased Products Under Service and Construction Contracts.
- (xv) [52.223-4](#), Recovered Material Certification. This provision applies to solicitations that are for, or specify the use of, EPA–designated items.
- (xvi) [52.225-2](#), Buy American Certificate. This provision applies to solicitations containing the clause at [52.225-1](#).
- (xvii) [52.225-4](#), Buy American—Free Trade Agreements—Israeli Trade Act Certificate. (Basic, Alternates I, II, and III.) This provision applies to solicitations containing the clause at [52.225-3](#).
 - (A) If the acquisition value is less than \$25,000, the basic provision applies.
 - (B) If the acquisition value is \$25,000 or more but is less than \$50,000, the provision with its

Alternate I applies.

(C) If the acquisition value is \$50,000 or more but is less than \$79,507, the provision with its Alternate II applies.

(D) If the acquisition value is \$79,507 or more but is less than \$100,000, the provision with its Alternate III applies.

(xviii) 52.225-6, Trade Agreements Certificate. This provision applies to solicitations containing the clause at 52.225-5.

(xix) 52.225-20, Prohibition on Conducting Restricted Business Operations in Sudan— Certification. This provision applies to all solicitations.

(xx) 52.225-25, Prohibition on Contracting with Entities Engaging in Certain Activities or Transactions Relating to Iran-Representation and Certifications. This provision applies to all solicitations.

(xxi) 52.226-2, Historically Black College or University and Minority Institution Representation. This provision applies to solicitations for research, studies, supplies, or services of the type normally acquired from higher educational institutions.

(2) The following certifications are applicable as indicated by the Contracting Officer:

[*Contracting Officer check as appropriate.*]

___ (i) 52.204-17, Ownership or Control of Offeror.

___ (ii) 52.222-18, Certification Regarding Knowledge of Child Labor for Listed End Products.

___ (iii) 52.222-48, Exemption from Application of the Service Contract Labor Standards to Contracts for Maintenance, Calibration, or Repair of Certain Equipment- Certification.

___ (iv) 52.222-52, Exemption from Application of the Service Contract Labor Standards to Contracts for Certain Services-Certification.

___ (v) 52.223-9, with its Alternate I, Estimate of Percentage of Recovered Material Content for EPA-Designated Products (Alternate I only).

___ (vi) 52.227-6, Royalty Information.

___ (A) Basic.

___ (B) Alternate I.

___ (vii) 52.227-15, Representation of Limited Rights Data and Restricted Computer Software.

(d) The offeror has completed the annual representations and certifications electronically via the SAM website accessed through <https://www.acquisition.gov>. After reviewing the SAM database information, the offeror verifies by submission of the offer that the representations and certifications currently posted electronically that apply to this solicitation as indicated in paragraph (c) of this provision have been entered or updated within the last 12 months, are current, accurate, complete, and applicable to this solicitation (including the business size standard applicable to the NAICS code referenced for this solicitation), as of the date of this offer and are incorporated in this offer by reference (see FAR 4.1201); except for the changes identified below [*offeror to insert changes, identifying change by clause number, title, date*]. These amended representation(s) and/or certification(s) are also incorporated in this offer and are current, accurate, and complete as of the date of this offer.

FAR Clause

#	Title	Date	Change
_____	_____	_____	_____
_____	_____	_____	_____

Any changes provided by the offeror are applicable to this solicitation only, and do not result in an update to the representations and certifications posted on SAM.

(End of provision)

L.3. 52.225-18 PLACE OF MANUFACTURE (SEPT 2006)

(a) *Definitions.* As used in this clause—

“Manufactured end product” means any end product in Federal Supply Classes (FSC) 1000-9999, except—

- (1) FSC 5510, Lumber and Related Basic Wood Materials;
- (2) Federal Supply Group (FSG) 87, Agricultural Supplies;
- (3) FSG 88, Live Animals;
- (4) FSG 89, Food and Related Consumables;
- (5) FSC 9410, Crude Grades of Plant Materials;
- (6) FSC 9430, Miscellaneous Crude Animal Products, Inedible;
- (7) FSC 9440, Miscellaneous Crude Agricultural and Forestry Products;
- (8) FSC 9610, Ores;
- (9) FSC 9620, Minerals, Natural and Synthetic; and
- (10) FSC 9630, Additive Metal Materials.

“Place of manufacture” means the place where an end product is assembled out of components, or otherwise made or processed from raw materials into the finished product that is to be provided to the Government. If a product is disassembled and reassembled, the place of reassembly is not the place of manufacture.

(b) For statistical purposes only, the offeror shall indicate whether the place of manufacture of the end products it expects to provide in response to this solicitation is predominantly—

- (1) In the United States (Check this box if the total anticipated price of offered end products manufactured in the United States exceeds the total anticipated price of offered end products manufactured outside the United States); or
- (2) Outside the United States.

(End of provision)

L.4 AUTHORIZED CONTRACTOR ADMINISTRATOR

If the offeror does not fill-in the blanks below, the official who signed the offer will be deemed to be the offeror's representative for Contract Administration, which includes all matters pertaining to payments.

Name:
Telephone Number:
Address:



[Proposal Note: If the bidder/offeror has indicated “yes” in blocks (a)(1), (2), or (3) of the following provision, the bidder/offeror shall include Defense Base Act insurance costs covering those employees in their proposed prices. The bidder/offeror may obtain DBA insurance directly from any Department of Labor approved providers at the DOL website at <http://www.dol.gov/owcp/dlhwc/lscarrier.htm>.]

L.5 652.228-70 DEFENSE BASE ACT – COVERED CONTRACTOR EMPLOYEES
(JUN 2006)

(a) Bidders/offerors shall indicate below whether or not any of the following categories of employees will be employed on the resultant contract, and, if so, the number of such employees:

<u>Category</u>	<u>Yes/No</u>	<u>Number</u>	
(1) United States citizens or residents			
(2) Individuals hired in the United States, regardless of citizenship			
(3) Local nationals or third country nationals where contract performance takes place in a country where there are no local workers’ compensation laws		local nationals:	
		third-country nationals:	
(4) Local nationals or third country nationals where contract performance takes place in a country where there are local workers’ compensation laws		local nationals:	
		third-country nationals:	

(b) The Contracting Officer has determined that for performance in the country

- ✓ Workers’ compensation laws exist that will cover local nationals and third country nationals.

Workers’ compensation laws do not exist that will cover local nationals and third country nationals.

(c) If the bidder/offeror has indicated “yes” in block (a)(4) of this provision, the bidder/offeror shall not purchase Defense Base Act insurance for those employees. However, the bidder/offeror shall assume liability toward the employees and their beneficiaries for war-hazard injury, death, capture, or detention, in accordance with the clause at FAR 52.228-4.

(d) RESERVED

(End of provision)

ATTACHMENT #2 - UNITED STATES DEPARTMENT OF STATE
BREAKDOWN OF PRICE BY DIVISIONS OF SPECIFICATIONS (FIRST SCOPE
OF WORK)

(1) DIVISION/DESCRIPTION (2) LABOR (3) MATERIALS (4) OVERHEAD
(5) PROFIT (6) TOTAL

1. General Requirements

2. Site Work

3. Concrete

4. Masonry

5. Metals

6. Wood and Plastic

7. Thermal and Moisture

8. Doors and Windows

9. Finishes

10. Specialties

11. Equipment

12. Furnishings

13. Special Construction

14. Conveying Systems

15. Mechanical

16. Electrical

TOTAL
in PAK
RS: _____

Allowance Items:

PROPOSAL PRICE: _____

TOTAL: **PAK RUPEES:**

Alternates (list separately; do not total):

Offeror: _____ *Date* _____

ATTACHMENT #2 - UNITED STATES DEPARTMENT OF STATE
 BREAKDOWN OF PRICE BY DIVISIONS OF SPECIFICATIONS (SECOND
 SCOPE OF WORK)

(1) DIVISION/DESCRIPTION (2) LABOR (3) MATERIALS (4) OVERHEAD
 (5) PROFIT (6) TOTAL

1. General Requirements
 2. Site Work

3. Concrete
 4. Masonry

5. Metals
 6. Wood and Plastic

7. Thermal and Moisture
 8. Doors and Windows

9. Finishes
 10. Specialties

11. Equipment
 12. Furnishings

13. Special Construction
 14. Conveying Systems

15. Mechanical
 16. Electrical

TOTAL
 in PAK
 RS: _____

Allowance Items:

PROPOSAL PRICE: _____

TOTAL: **PAK RUPEES:**

Alternates (list separately; do not total):

Offeror: _____ *Date* _____

ATTACHMENT #3 – DRAWING

Reserved

ATTACHMENT #4

FIRST STATEMENT OF WORK OBO-Security Upgrades to Residences US EMBASSY ISLAMABAD

1. **Background And Purpose:**

The U.S. Embassy requires security upgrades to be done at their multiple residences located in different sectors of Islamabad.

2. **General Requirements:**

- a. The work shall be executed in a diligent manner in accordance with a firm fixed price and a fixed performance period. The period of performance for project completion shall be 60 business days from the date of NTP.
- b. All construction work related to this project must comply with the applicable International Building Code (IBC and local codes).

3. **Scope Of Services:**

The contractor shall provide tools, equipment, labor, material and supervision to complete the technical requirements in this statement of work.

The work consists of, but is not limited to the following:

House No 1:

Main Gate:

- Deficiency: There is gap between gate and gate pillars.
- Repair: Install 1-1/2" dia 18 SWG pipe to cover the gaps. (07 days)

Specification:

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

Perimeter

Front wall:

- Deficiency: Spikes are loose.
- Repair: Install more supports and fasteners in the spikes as per specification. (07 days)

Specification:

Fabrication (Spike Support Bar): Support bar materials shall consist of 1/2" inch Solid Square M.S. (Mild Steel) 3' feet long bars consecutively affixed to the wall every 6' feet. The bar shall be welded in place, 6" inches from the top of every large nail spike or 7" inches. The 7" inch measurement falls directly below the 6" inch weld point of the affixed hook (Fishhook) spike.

Supports will be anchored to the wall utilizing two 4" inches Rawal bolts with drop in anchors (spot welded). The additional weld will be located at the top of the support connecting to the existing wall spike.

Spike Strip Anchoring (Fasteners): Anchors shall be (c/c) centered and consecutively affixed at no more than 18" inches on the left and right side of the strip. Anchors may also be affixed at 9" inch intervals, alternating from the left and right side every 9" inches. Anchor pins must be spot welded to steel tabs. All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

- Deficiency: Height and razor wire requirement.

- Repair: Height of wall at right corner is 5'-6" due to piled of soil. Remove the soil as much possible and install razor wire on this portion to meet the height as per specification. (07 days)

Specifications:

Install 27" to 30" inch diameter (730 millimeter) razor Wire, with manufacture included clips, attached to affixed supports with welded clamps.

Coil Width: Each coil stretched shall not exceed 6" inches per coil upon measuring.

Clamps: Support Clamps shall be welded (using a steel product that still allows closure of the clamps for razor wire support) to the wall spikes at an interval of every second coil which is every 12" inches or equaling 1' foot in distance.

Razor Wire Supports: Supports, Angle iron measuring 2" inches X 2" inches wide by 3/16" in thickness X 3' feet in length or (also acceptable) solid steel bars equaling 3' feet in length, shall be welded to the existing wall spike at 3' feet intervals. Heavy gauge wire shall be strung between the welded supports and through the razor wire coils for upper stability. .**Solid steel bars affixed and welded in place between supports, in place of Heavy Gauge Wire is an acceptable support alternative. *Paint: Razor wire is not to be painted. See additional paint requirements. All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

Right wall:

- Deficiency: Access from neighbor's carport roof towards our property.

- Repair: Install double roll of 27" inches diameter razor wire at top corner of the neighbor's carport roof with the help of angle iron as per specification. (07 days)

Specifications:

Install 27" to 30" inch diameter (730 millimeter) razor Wire, with manufacture included clips, attached to affixed supports with welded clamps.

Coil Width: Each coil stretched shall not exceed 6" inches per coil upon measuring.

Clamps: Support Clamps shall be welded (using a steel product that still allows closure of the clamps for razor wire support) to the wall spikes at an interval of every second coil which is every 12" inches or equaling 1' foot in distance.

Razor Wire Supports: solid steel bars 3' feet in length, shall be welded to the existing wall spike at 3' feet intervals. Heavy gauge wire shall be strung between the welded supports and through the razor wire coils for upper stability. Solid steel bars affixed and welded in place between supports, in place of Heavy Gauge Supports,

Angle Iron Supports: Angle iron measuring 2" inches X 2" inches wide by 3/16" in thickness X length as per site. Supports will be anchored to the wall utilizing 4" inches Rawal bolts with drop in anchors (spot welded).

*Paint: Razor wire is not to be painted. See additional paint requirements.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

- Deficiency: Access from neighbor's adjoining wall.

- Repair: Install double roll of 27" inches diameter razor wire as per specification. (07 days)

Specifications:

Install 27" to 30" inch diameter (730 millimeter) razor Wire, with manufacture included clips, attached to affixed supports with welded clamps.

Coil Width: Each coil stretched shall not exceed 6" inches per coil upon measuring.

Clamps: Support Clamps shall be welded (using a steel product that still allows closure of the clamps for razor wire support) to the wall spikes at an interval of every second coil which is every 12" inches or equaling 1' foot in distance.

Razor Wire Supports: Supports, Angle iron measuring 2" inches X 2" inches wide by 3/16" in thickness X 3' feet in length or (also acceptable) solid steel bars equaling 3' feet in length, shall be welded to the existing wall spike at 3' feet intervals. Heavy gauge wire shall be strung between the welded supports and through the razor wire coils for upper stability. .**Solid steel bars affixed and welded in place between supports, in place of Heavy Gauge Wire is an acceptable support alternative. *Paint: Razor wire is not to be painted. See additional paint requirements. All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

- Deficiency: Access from neighbor's room's roof.

- Repair: Existing razor wire gap is more then 6" inches and does not meet security standards, remove and re install razor wire on top of 4' feet spikes as per specification. (07 days)

Specifications:

Install 27" to 30" inch diameter (730 millimeter) razor Wire, with manufacture included clips, attached to affixed supports with welded clamps.

Coil Width: Each coil stretched shall not exceed 6" inches per coil upon measuring.

Clamps: Support Clamps shall be welded (using a steel product that still allows closure of the clamps for razor wire support) to the wall spikes at an interval of every second coil which is every 12" inches or equaling 1' foot in distance.

Razor Wire Supports: Supports, Angle iron measuring 2" inches X 2" inches wide by 3/16" in thickness X 3' feet in length or (also acceptable) solid steel bars equaling 3' feet in length, shall be welded to the existing wall spike at 3' feet intervals. Heavy gauge wire shall be strung between the welded supports and through the razor wire coils for upper stability. .**Solid steel bars affixed and welded in place between supports, in place of Heavy Gauge Wire is an acceptable support alternative. *Paint: Razor wire is not to be painted. See additional paint requirements. All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

Left Wall:

- Deficiency: Spikes are loose and damaged in rear portion.
- Repair: Install more supports/ fasteners and repair the spikes as per specification. (07 days)

Specification:

Repair and install M.S. (Mild Steel) fixed anti-climb spikes (Fish-hook). Materials shall consist of ½” inch Solid Square M.S. (Mild Steel) bars (c/c) centered and consecutively affixed at 6”inch and 3” inch points.

Large nail spikes shall range in height from 2’ feet high. Materials shall consist of ½” inch Solid Square M.S. (Mild Steel) bars. The base of the spike will be square. The top of the manufactured spike shall be tapered to a point.

Small nail spikes shall be 6” inches in height. The base of the spike will be square and the top of the manufactured spike shall be tapered to a point.

Fabrication (Hook): Larger nail spikes ranging from 2’ feet in height shall have the M.S (Mild Steel) hook (Fishhook) welded and fixed in position 6” inches from the top of the nail spike. The affixed fabricated hook, upon completion, shall not exceed 6” inches in length, measured from the weld to the tapered hook end.

Base: The spike strip base shall consist of a M.S. (Mild Steel) strip measuring 2”inches wide X 3/16” inches in thickness and no longer than 36” inches in length for each section.

Fabrication (Spike Support Bar): Support bar materials shall consist of ½” inch Solid Square M.S. (Mild Steel) 3’ feet long bars consecutively affixed to the wall every 6’ feet. The bar shall be welded in place, 6” inches from the top of every large nail spike or 7” inches. The 7” inch measurement falls directly below the 6” inch weld point of the affixed hook (Fishhook) spike.

Supports will be anchored to the wall utilizing two 4” inches Rawal bolts with drop in anchors (spot welded). The additional weld will be located at the top of the support connecting to the existing wall spike.

Spike Strip Anchoring (Fasteners): Anchors shall be (c/c) centered and consecutively affixed at no more than 18” inches on the left and right side of the strip. Anchors may also be affixed at 9” inch intervals, alternating from the left and right side every 9” inches. Anchor pins must be spot welded to steel tabs. All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

- Deficiency: Height of the wall in the middle portion is 5'-8" feet and does not meet the security standards.
- Repair: Install 27” inches diameter razor wire on this portion as per specification. (21 days)

Specifications:

Install 27” to 30” inch diameter (730 millimeter) razor Wire, with manufacture included clips, attached to affixed supports with welded clamps.

Coil Width: Each coil stretched shall not exceed 6” inches per coil upon measuring.

Clamps: Support Clamps shall be welded (using a steel product that still allows closure of the clamps for razor wire support) to the wall spikes at an interval of every second coil which is every 12” inches or equaling 1’ foot in distance.

Razor Wire Supports: Supports, Angle iron measuring 2” inches X 2” inches wide by 3/16” in thickness X 3’ feet in length or (also acceptable) solid steel bars equaling 3’ feet in length, shall be welded to the existing wall spike at 3’ feet intervals. Heavy gauge wire shall be strung between the welded supports and through the razor wire coils for upper stability. .**Solid steel bars affixed and welded in place between supports, in place of Heavy Gauge Wire is

an acceptable support alternative. *Paint: Razor wire is not to be painted. See additional paint requirements. All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

- Deficiency: Access from neighbor's carport roof towards our property.
- Repair: Install double roll of 27" inches diameter razor wire with the help of angle iron as per specification. (07 days)

Specifications:

Install 27" to 30" inch diameter (730 millimeter) razor Wire, with manufacture included clips, attached to affixed supports with welded clamps.

Coil Width: Each coil stretched shall not exceed 6" inches per coil upon measuring.

Clamps: Support Clamps shall be welded (using a steel product that still allows closure of the clamps for razor wire support) to the wall spikes at an interval of every second coil which is every 12" inches or equaling 1' foot in distance.

Razor Wire Supports: solid steel bars 3' feet in length, shall be welded to the existing wall spike at 3' feet intervals. Heavy gauge wire shall be strung between the welded supports and through the razor wire coils for upper stability. Solid steel bars affixed and welded in place between supports, in place of Heavy Gauge Supports,

Angle Iron Supports: Angle iron measuring 2" inches X 2" inches wide by 3/16" in thickness X length as per site. Supports will be anchored to the wall utilizing 4" inches Rawal bolts with drop in anchors (spot welded).

*Paint: Razor wire is not to be painted. See additional paint requirements.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

Unobstructed view:

- Deficiency: Trimming of shrubs and trees.
- Repair: Trimming of shrubs and trees required all around the fence. (07 days)

Specification:

Requirements: All bushes, shrubs, climbing vines, ornamental trees or other foliage identified as obstructive, shall be cut to a height not exceeding the height of the perimeter wall and maintained at that height.

**Some trees may have to be heavily trimmed or removed (trimming and/or removal of trees will be determined by Residential Security) determination is solely dependent on the level of obstruction. (Continued)

Requirements: Razor wire and Wall spikes shall be kept completely free of any and all; bushes, shrubs, climbing vines, ornamental trees or other foliage identified as obstructive or damaging to the security equipment. These shall be cut to a height not exceeding the height of the perimeter wall and maintained at that height.

Local Guard Force Support

- Deficiency: Tower bolt requirement.
- Repair: Install top quality 6" inches long tower bolt at outside of guard booth door. (07 days)

* PAINT SPECIFICATION:

Requirements: Apply paint to all metal and exterior wall plaster with weather-proof paint of an approved (single) shade of color.

Specifications (Metal): All fabricated metal such as; Steel spike strip, clamps, bolts, supports- iron/steel, gate structure- interior/exterior and metal sheeting will be painted with a red oxide priming paint (to prevent rust) and painted with (3) coats of a weather- proof paint of an approved grade and shade.

Specifications (Plaster): Three coats of ICI or approved weather shield/proof paint shall be applied on a completely dry/cured pre-plastered surface. All areas of constructed surfaces shall be painted as specified.

House No 2:

Main Gate:

- Deficiency: There is a gap over the few gate pillars.
- Repair: Install spikes over the gate pillars to cover the gap as per specification. (07 days)

Specification:

Provide and install M.S. (Mild Steel) fixed anti-climb spikes (Fish-hook). Materials shall consist of ½” inch Solid Square M.S. (Mild Steel) bars (c/c) centered and consecutively affixed at 6”inch and 3” inch points.

Large nail spikes shall range in height from 2’ feet high. Materials shall consist of ½” inch Solid Square M.S. (Mild Steel) bars. The base of the spike will be square. The top of the manufactured spike shall be tapered to a point.

Small nail spikes shall be 6” inches in height. The base of the spike will be square and the top of the manufactured spike shall be tapered to a point.

Fabrication (Hook): Larger nail spikes ranging from 2’ feet in height shall have the M.S (Mild Steel) hook (Fishhook) welded and fixed in position 6” inches from the top of the nail spike. The affixed fabricated hook, upon completion, shall not exceed 6” inches in length, measured from the weld to the tapered hook end.

Base: The spike strip base shall consist of a M.S. (Mild Steel) strip measuring 2”inches wide X 3/16” inches in thickness and no longer than 36” inches in length for each section.

Fabrication (Spike Support Bar): Support bar materials shall consist of ½” inch Solid Square M.S. (Mild Steel) 3’ feet long bars consecutively affixed to the wall every 6’ feet. The bar shall be welded in place, 6” inches from the top of every large nail spike or 7” inches. The 7” inch measurement falls directly below the 6” inch weld point of the affixed hook (Fishhook) spike.

Supports will be anchored to the wall utilizing two 4” inches Rawal bolts with drop in anchors (spot welded). The additional weld will be located at the top of the support connecting to the existing wall spike.

Spike Strip Anchoring (Fasteners): Anchors shall be (c/c) centered and consecutively affixed at no more than 18” inches on the left and right side of the strip. Anchors may also be affixed at 9” inch intervals, alternating from the left and right side every 9” inches. Anchor pins must be spot welded to steel tabs.

Welding Requirement: All steel work joints should be continuously welded.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

- Deficiency: Spikes requirement.
- Repair: Install fish hook's and straight sharp pointed steel bars in the existing spikes as per specification. (07 days)

Specification:

Provide and install M.S. (Mild Steel) fixed anti-climb spikes (Fish-hook). Materials shall consist of ½” inch Solid Square M.S. (Mild Steel) bars (c/c) centered and consecutively affixed at 6”inch and 3” inch points.

Small nail spikes shall be 6” inches in height. The base of the spike will be square and the top of the manufactured spike shall be tapered to a point.

Fabrication (Hook): Larger nail spikes ranging from 2’ feet in height shall have the M.S (Mild Steel) hook (Fishhook) welded and fixed in position 6” inches from the top of the nail spike. The affixed fabricated hook, upon completion, shall not exceed 6” inches in length, measured from the weld to the tapered hook end.

Welding Requirement: All steel work joints should be continuously welded.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

- Deficiency: There is a gap between gate and gate pillar.
- Repair: Install metal pipe 18 SWG to cover the gap between gate and gate pillars. (07 days)

Specification:

Metal Pipe: Provide and install 18 (SWG, MS) Standard Wire Gauge, metal pipe round or square size 1”, 2”,3” or 4” whichever is applied according to the gaps between gate and gate pillar.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

Perimeter

Front wall:

- Deficiency: Right portion height is 6’ feet.
- Repair: Install 27” inches diameter razor wire on this portion as per specification. (07 days)

Specifications:

Install 27” to 30” inch diameter (730 millimeter) razor Wire, with manufacture included clips, attached to affixed supports with welded clamps.

Coil Width: Each coil stretched shall not exceed 6” inches per coil upon measuring.

Clamps: Support Clamps shall be welded (using a steel product that still allows closure of the clamps for razor wire support) to the wall spikes at an interval of every second coil which is every 12” inches or equaling 1’ foot in distance.

Razor Wire Supports: Supports, Angle iron measuring 2” inches X 2” inches wide by 3/16” in thickness X 3’ feet in length or (also acceptable) solid steel bars equaling 3’ feet in length, shall be welded to the existing wall spike at 3’ feet intervals. Heavy gauge wire shall be strung between the welded supports and through the razor wire coils for upper stability. .**Solid steel bars affixed and welded in place between supports, in place of Heavy Gauge Wire is an acceptable support alternative. *Paint: Razor wire is not to be painted. See additional paint requirements.

Welding Requirement: All steel work joints should be continuously welded.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

- Deficiency : There is window of existing guard post in the front wall.
- Repair: Close the existing guard post window with bricks. (07 days)

Specification:

Requirement: Installation of brick and the application mortar for the purpose of masonry.

Provide high grade burnt/baked brick masonry for a single to double brick layer wall 4.5 inches to 9 inches in width. Bricks will be set on existing straight or curved walls and mortared using a mix of (1:4) 1 part cement and 4 parts sand. Mortar shall be applied underneath the brick with all gaps filled in.

Finish work: Finish work will consist of raking out excess mortar from the brick joints before the mortar curing (drying) takes place.

Additional Specification: Cement Plaster

Cement Plaster: Finished wall shall be covered in Cement Plaster from both sides using a mix of (1:3) 1 part cement plaster and 3 parts sand. Allowable time for cement plaster curing shall be allotted before painting. *Paint requirements.

Welding Requirement: All steel work joints should be continuously welded.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: Spikes are loose.
- Repair: Install more fasteners and supports in the spikes as per specification. (07 days)

Specification:

Fabrication (Spike Support Bar): Support bar materials shall consist of ½ inch Solid Square M.S. (Mild Steel) 3 feet long bars consecutively affixed to the wall every 6 feet. The bar shall be welded in place, 6 inches from the top of every large nail spike or 7 inches. The 7 inch measurement falls directly below the 6 inch weld point of the affixed hook (Fishhook) spike.

Supports will be anchored to the wall utilizing two 4 inches Rawal bolts with drop in anchors (spot welded). The additional weld will be located at the top of the support connecting to the existing wall spike.

Spike Strip Anchoring (Fasteners): Anchors shall be (c/c) centered and consecutively affixed at no more than 18 inches on the left and right side of the strip. Anchors may also be affixed at 9 inch intervals, alternating from the left and right side every 9 inches. Anchor pins must be spot welded to steel tabs.

Welding Requirement: All steel work joints should be continuously welded.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

- Deficiency: Razor wire requirement.
- Repair: Install 27" inches diameter razor wire on entire wall including gate pillars as per specification. (21 days)

Specifications:

Install 27" to 30" inch diameter (730 millimeter) razor Wire, with manufacture included clips, attached to affixed supports with welded clamps.

Coil Width: Each coil stretched shall not exceed 6" inches per coil upon measuring.

Clamps: Support Clamps shall be welded (using a steel product that still allows closure of the clamps for razor wire support) to the wall spikes at an interval of every second coil which is every 12" inches or equaling 1' foot in distance.

Razor Wire Supports: Supports, Angle iron measuring 2" inches X 2" inches wide by 3/16" in thickness X 3' feet in length or (also acceptable) solid steel bars equaling 3' feet in length, shall be welded to the existing wall spike at 3' feet intervals. Heavy gauge wire shall be strung between the welded supports and through the razor wire coils for upper stability. .**Solid steel bars affixed and welded in place between supports, in place of Heavy Gauge Wire is an acceptable support alternative.

Welding Requirement: All steel work joints should be continuously welded.

*Paint: Razor wire is not to be painted. See additional paint requirements.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

Right wall:

- Deficiency: Spikes are loose.
- Repair: Install more fasteners and supports in the spikes as per specification. (07 days)

Specification:

Fabrication (Spike Support Bar): Support bar materials shall consist of 1/2" inch Solid Square M.S. (Mild Steel) 3' feet long bars consecutively affixed to the wall every 6' feet. The bar shall be welded in place, 6" inches from the top of every large nail spike or 7" inches. The 7" inch measurement falls directly below the 6" inch weld point of the affixed hook (Fishhook) spike.

Supports will be anchored to the wall utilizing two 4" inches Rawal bolts with drop in anchors (spot welded). The additional weld will be located at the top of the support connecting to the existing wall spike.

Spike Strip Anchoring (Fasteners): Anchors shall be (c/c) centered and consecutively affixed at no more than 18" inches on the left and right side of the strip. Anchors may also be affixed at 9" inch intervals, alternating from the left and right side every 9" inches. Anchor pins must be spot welded to steel tabs. Welding Requirement: All steel work joints should be continuously welded.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

- Deficiency: Razor wire requirement.
- Repair: Remove vegetations and then Install 27" inches diameter razor wire on entire wall as per specification. (21 days)

Specifications:

Install 27" to 30" inch diameter (730 millimeter) razor Wire, with manufacture included clips, attached to affixed supports with welded clamps.

Coil Width: Each coil stretched shall not exceed 6" inches per coil upon measuring.

Clamps: Support Clamps shall be welded (using a steel product that still allows closure of the clamps for razor wire support) to the wall spikes at an interval of every second coil which is every 12" inches or equaling 1' foot in distance.

Razor Wire Supports: Supports, Angle iron measuring 2" inches X 2" inches wide by 3/16" in thickness X 3' feet in length or (also acceptable) solid steel bars equaling 3' feet in length, shall be welded to the existing wall spike at 3' feet intervals. Heavy gauge wire shall be strung between the welded supports and through the razor wire coils for upper stability. .**Solid steel bars affixed and welded in place between supports, in place of Heavy Gauge Wire is an acceptable support alternative. Welding Requirement: All steel work joints should be continuously welded.

*Paint: Razor wire is not to be painted. See additional paint requirements.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

Left wall:

- Deficiency: Height requirement.

- Repair: More than half of wall height is 5'-6" to 6' feet. Install 27" inches diameter razor wire at this portion to meet the 7 feet height as per specification. (07 days)

Specifications:

Install 27" to 30" inch diameter (730 millimeter) razor Wire, with manufacture included clips, attached to affixed supports with welded clamps.

Coil Width: Each coil stretched shall not exceed 6" inches per coil upon measuring.

Clamps: Support Clamps shall be welded (using a steel product that still allows closure of the clamps for razor wire support) to the wall spikes at an interval of every second coil which is every 12" inches or equaling 1' foot in distance.

Razor Wire Supports: Supports, Angle iron measuring 2" inches X 2" inches wide by 3/16" in thickness X 3' feet in length or (also acceptable) solid steel bars equaling 3' feet in length, shall be welded to the existing wall spike at 3' feet intervals. Heavy gauge wire shall be strung between the welded supports and through the razor wire coils for upper stability. .**Solid steel bars affixed and welded in place between supports, in place of Heavy Gauge Wire is an acceptable support alternative. Welding Requirement: All steel work joints should be continuously welded.

*Paint: Razor wire is not to be painted. See additional paint requirements.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

- Deficiency: Spikes are loose.

- Repair: Install more fasteners and supports in the spikes as per specification. (07 days)

Specification:

Fabrication (Spike Support Bar): Support bar materials shall consist of ½” inch Solid Square M.S. (Mild Steel) 3’ feet long bars consecutively affixed to the wall every 6’ feet. The bar shall be welded in place, 6” inches from the top of every large nail spike or 7” inches. The 7” inch measurement falls directly below the 6” inch weld point of the affixed hook (Fishhook) spike.

Supports will be anchored to the wall utilizing two 4” inches Rawal bolts with drop in anchors (spot welded). The additional weld will be located at the top of the support connecting to the existing wall spike.

Spike Strip Anchoring (Fasteners): Anchors shall be (c/c) centered and consecutively affixed at no more than 18” inches on the left and right side of the strip. Anchors may also be affixed at 9” inch intervals, alternating from the left and right side every 9” inches. Anchor pins must be spot welded to steel tabs. Welding Requirement: All steel work joints should be continuously welded.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

- Deficiency: Few 2’ feet spikes are missing.
- Repair: Install 2’ feet spikes at missing areas. (07 days)

Specification:

Provide and install M.S. (Mild Steel) fixed anti-climb spikes (Fish-hook). Materials shall consist of ½” inch Solid Square M.S. (Mild Steel) bars (c/c) centered and consecutively affixed at 6” inch and 3” inch points.

Large nail spikes shall range in height from 2’ feet high. Materials shall consist of ½” inch Solid Square M.S. (Mild Steel) bars. The base of the spike will be square. The top of the manufactured spike shall be tapered to a point.

Small nail spikes shall be 6” inches in height. The base of the spike will be square and the top of the manufactured spike shall be tapered to a point.

Fabrication (Hook): Larger nail spikes ranging from 2’ feet in height shall have the M.S (Mild Steel) hook (Fishhook) welded and fixed in position 6” inches from the top of the nail spike. The affixed fabricated hook, upon completion, shall not exceed 6” inches in length, measured from the weld to the tapered hook end.

Base: The spike strip base shall consist of a M.S. (Mild Steel) strip measuring 2” inches wide X 3/16” inches in thickness and no longer than 36” inches in length for each section.

Fabrication (Spike Support Bar): Support bar materials shall consist of ½” inch Solid Square M.S. (Mild Steel) 3’ feet long bars consecutively affixed to the wall every 6’ feet. The bar shall be welded in place, 6” inches from the top of every large nail spike or 7” inches. The 7” inch measurement falls directly below the 6” inch weld point of the affixed hook (Fishhook) spike.

Supports will be anchored to the wall utilizing two 4” inches Rawal bolts with drop in anchors (spot welded). The additional weld will be located at the top of the support connecting to the existing wall spike.

Spike Strip Anchoring (Fasteners): Anchors shall be (c/c) centered and consecutively affixed at no more than 18” inches on the left and right side of the strip. Anchors may also be affixed at 9” inch intervals, alternating from the left and right side every 9” inches. Anchor pins must be spot welded to steel tabs.

Welding Requirement: All steel work joints should be continuously welded.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

- Deficiency: Access from neighbor's two room's roof.
- Repair: Install double roll of 27" inches diameter razor wire on 4' feet spikes as per specification (both rooms). (07 days)

Specifications:

Install 27" to 30" inch diameter (730 millimeter) razor Wire, with manufacture included clips, attached to affixed supports with welded clamps.

Coil Width: Each coil stretched shall not exceed 6" inches per coil upon measuring.

Clamps: Support Clamps shall be welded (using a steel product that still allows closure of the clamps for razor wire support) to the wall spikes at an interval of every second coil which is every 12" inches or equaling 1' foot in distance.

Razor Wire Supports: Supports, Angle iron measuring 2" inches X 2" inches wide by 3/16" in thickness X 3' feet in length or (also acceptable) solid steel bars equaling 3' feet in length, shall be welded to the existing wall spike at 3' feet intervals. Heavy gauge wire shall be strung between the welded supports and through the razor wire coils for upper stability. .**Solid steel bars affixed and welded in place between supports, in place of Heavy Gauge Wire is an acceptable support alternative. Welding Requirement: All steel work joints should be continuously welded.

*Paint: Razor wire is not to be painted. See additional paint requirements.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

- Deficiency: Access from neighbor's shed.
- Repair: Install new 4' feet high pointed bars including fish hooks and horizontal bar, fasteners & supports for its stability over existing metal base and double roll of 27" inches diameter razor wire as per specification. (14 days)

Specification:

Provide and install M.S. (Mild Steel) fixed anti-climb spikes (Fish-hook). Materials shall consist of 1/2" inch Solid Square M.S. (Mild Steel) bars (c/c) centered and consecutively affixed at 6" inch and 3" inch points.

Large nail spikes shall range in height from 4' feet high. Materials shall consist of 1/2" inch Solid Square M.S. (Mild Steel) bars. The base of the spike will be square. The top of the manufactured spike shall be tapered to a point.

Fabrication (Hook): Larger nail spikes ranging from 4' feet in height shall have the M.S (Mild Steel) hook (Fishhook) welded and fixed in position 6" inches from the top of the nail spike. The affixed fabricated hook, upon completion, shall not exceed 6" inches in length, measured from the weld to the tapered hook end.

Fabrication (Spike Support Bar): Support bar materials shall consist of 1/2" inch Solid Square M.S. (Mild Steel) 3' feet long bars consecutively affixed to the wall every 6' feet. The bar shall be welded in place, 6" inches from the top of every large nail spike or 7" inches. The 7" inch measurement falls directly below the 6" inch weld point of the affixed hook (Fishhook) spike.

Supports will be anchored to the wall utilizing two 4" inches Rawal bolts with drop in anchors (spot welded). The additional weld will be located at the top of the support connecting to the existing wall spike.

Spike Strip Anchoring (Fasteners): Anchors shall be (c/c) centered and consecutively affixed at no more than 18" inches on the left and right side of the strip. Anchors may also be affixed at 9" inch intervals, alternating from the left and right side every 9" inches. Anchor pins must be spot welded to steel tabs.

Welding Requirement: All steel work joints should be continuously welded.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

Specification Razor wire:

Install 27" to 30" inch diameter (730 millimeter) razor Wire, with manufacture included clips, attached to affixed supports with welded clamps.

Coil Width: Each coil stretched shall not exceed 6" inches per coil upon measuring.

Clamps: Support Clamps shall be welded (using a steel product that still allows closure of the clamps for razor wire support) to the wall spikes at an interval of every second coil which is every 12" inches or equaling 1' foot in distance.

Razor Wire Supports: Supports, Angle iron measuring 2" inches X 2" inches wide by 3/16" in thickness X 3' feet in length or (also acceptable) solid steel bars equaling 3' feet in length, shall be welded to the existing wall spike at 3' feet intervals. Heavy gauge wire shall be strung between the welded supports and through the razor wire coils for upper stability. .**Solid steel bars affixed and welded in place between supports, in place of Heavy Gauge Wire is an acceptable support alternative. *Paint: Razor wire is not to be painted. See additional paint requirements.

Welding Requirement: All steel work joints should be continuously welded.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

Back wall:

- Deficiency: Spikes are loose.
- Repair: Install more fasteners and supports in the spikes as per specification. (07 days)

Specification:

Fabrication (Spike Support Bar): Support bar materials shall consist of 1/2" inch Solid Square M.S. (Mild Steel) 3' feet long bars consecutively affixed to the wall every 6' feet. The bar shall be welded in place, 6" inches from the top of every large nail spike or 7" inches. The 7" inch measurement falls directly below the 6" inch weld point of the affixed hook (Fishhook) spike.

Supports will be anchored to the wall utilizing two 4" inches Rawal bolts with drop in anchors (spot welded). The additional weld will be located at the top of the support connecting to the existing wall spike.

Spike Strip Anchoring (Fasteners): Anchors shall be (c/c) centered and consecutively affixed at no more than 18" inches on the left and right side of the strip. Anchors may also be affixed at 9" inch intervals, alternating from the left and right side every 9" inches. Anchor pins must be spot welded to steel tabs. Welding Requirement: All steel work joints should be continuously welded.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

- Deficiency: Razor wire requirement.
- Repair: Install 27" inches diameter razor wire due to open area in it's neighbor as per specification. (21 days)

Specifications:

Install 27" to 30" inch diameter (730 millimeter) razor Wire, with manufacture included clips, attached to affixed supports with welded clamps.

Coil Width: Each coil stretched shall not exceed 6" inches per coil upon measuring.

Clamps: Support Clamps shall be welded (using a steel product that still allows closure of the clamps for razor wire support) to the wall spikes at an interval of every second coil which is every 12" inches or equaling 1' foot in distance.

Razor Wire Supports: Supports, Angle iron measuring 2" inches X 2" inches wide by 3/16" in thickness X 3' feet in length or (also acceptable) solid steel bars equaling 3' feet in length, shall be welded to the existing wall spike at 3' feet intervals. Heavy gauge wire shall be strung between the welded supports and through the razor wire coils for upper stability. .**Solid steel bars affixed and welded in place between supports, in place of Heavy Gauge Wire is an acceptable support alternative.

Welding Requirement: All steel work joints should be continuously welded.

*Paint: Razor wire is not to be painted. See additional paint requirements.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

- Deficiency: Access from neighbor's shed.

- Repair: Install 4' feet spikes and double roll of 27" inches diameter razor wire as per specification. (14 days)

Specification:

Provide and install M.S. (Mild Steel) fixed anti-climb spikes (Fish-hook). Materials shall consist of 1/2" inch Solid Square M.S. (Mild Steel) bars (c/c) centered and consecutively affixed at 6"inch and 3" inch points.

Large nail spikes shall range in height from 4' feet high. Materials shall consist of 1/2" inch Solid Square M.S. (Mild Steel) bars. The base of the spike will be square. The top of the manufactured spike shall be tapered to a point.

Small nail spikes shall be 6" inches in height. The base of the spike will be square and the top of the manufactured spike shall be tapered to a point.

Fabrication (Hook): Larger nail spikes ranging from 4' feet in height shall have the M.S (Mild Steel) hook (Fishhook) welded and fixed in position 6" inches from the top of the nail spike. The affixed fabricated hook, upon completion, shall not exceed 6" inches in length, measured from the weld to the tapered hook end.

Base: The spike strip base shall consist of a M.S. (Mild Steel) strip measuring 2" inches wide X 3/16" inches in thickness and no longer than 36" inches in length for each section.

Fabrication (Spike Support Bar): Support bar materials shall consist of 1/2" inch Solid Square M.S. (Mild Steel) 3' feet long bars consecutively affixed to the wall every 6' feet. The bar shall be welded in place, 6" inches from the top of every large nail spike or 7" inches. The 7" inch measurement falls directly below the 6" inch weld point of the affixed hook (Fishhook) spike.

Supports will be anchored to the wall utilizing two 4" inches Rawal bolts with drop in anchors (spot welded). The additional weld will be located at the top of the support connecting to the existing wall spike.

Spike Strip Anchoring (Fasteners): Anchors shall be (c/c) centered and consecutively affixed at no more than 18" inches on the left and right side of the strip. Anchors may also be affixed at 9" inch intervals, alternating from the left and right side every 9" inches. Anchor pins must be spot welded to steel tabs.

Welding Requirement: All steel work joints should be continuously welded.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

Specification Razor wire:

Install 27" to 30" inch diameter (730 millimeter) razor Wire, with manufacture included clips, attached to affixed supports with welded clamps.

Coil Width: Each coil stretched shall not exceed 6" inches per coil upon measuring.

Clamps: Support Clamps shall be welded (using a steel product that still allows closure of the clamps for razor wire support) to the wall spikes at an interval of every second coil which is every 12" inches or equaling 1' foot in distance.

Razor Wire Supports: Supports, Angle iron measuring 2" inches X 2" inches wide by 3/16" in thickness X 3' feet in length or (also acceptable) solid steel bars equaling 3' feet in length, shall be welded to the existing wall spike at 3' feet intervals. Heavy gauge wire shall be strung between the welded supports and through the razor wire coils for upper stability. **Solid steel bars affixed and welded in place between supports, in place of Heavy Gauge Wire is an acceptable support alternative.

Welding Requirement: All steel work joints should be continuously welded.

*Paint:

Razor wire is not to be painted. See additional paint requirements.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

Unobstructed view:

- Deficiency: Trimming of shrubs and trees.
- Repair: Trimming of shrubs and trees required all around the fence as per specification. (07 days)

Specification:

Requirements: All bushes, shrubs, climbing vines, ornamental trees or other foliage identified as obstructive, shall be cut to a height not exceeding the height of the perimeter wall and maintained at that height.

**Some trees may have to be heavily trimmed or removed (trimming and/or removal of trees will be determined by Residential Security) determination is solely dependent on the level of obstruction. (Continued)

Requirements: Razor wire and Wall spikes shall be kept completely free of any and all; bushes, shrubs, climbing vines, ornamental trees or other foliage identified as obstructive or damaging to the security equipment. These shall be cut to a height not exceeding the height of the perimeter wall and maintained at that height.

Local Guard Force Support

- Deficiency: Existing guard post is not as per security standards.
- Repair: Demolish the existing guard post and install new guard post with foundation near the main gate as per scope of work specification. (21 days)

GUARD POST AND FOUNDATION

GUARD POST

Requirements: Guard Post shall be of a construction that provides full protection from the climate.

Specifications: Guard Post shall be constructed of a fiberglass fully roofed (no leaks), windows on all sides and door installation.

Windows: (Exterior Facing) Window sill will not be lower than the top of the existing front wall and will be of a minimum height 2-1/2' feet and minimum width 2' feet that will provide the guard with an unobstructed view of the street/exterior of the property.

(Side) Windows positioned on the sides of the guard post will be of the same height and width as the exterior facing window.

Entry Door Window: Entry door window shall be of the same height and width as the exterior facing and side windows.

Entry Door Hardware:

Bolts: Two top quality 6" inches tower bolts shall be affixed, one at inside and other at out side of the opening edge of door.

Door Handle Lock: Top/Best quality heavy duty 6" inch lock (single side key, other side knob) situated at a height of 42" inches to 44" inches from the bottom of the door (a different height can be waived dependent on the door size/ measurements).

Guard Post interior: Guard post interior, upon installation, shall contain; working light with light switch, electrical outlets (3) - sufficient for equipment chargers, a small equipment shelf, a working fan (mounted), raised seating (for optimal visual security when seated) and a drinking-water container.

Guard Post Foundation:

Guard post foundation shall consist of solid brick measuring a minimum of 5 ½' feet X 4 ½ feet. Mortar shall be applied to and underneath the brick with all gaps filled in.

Finish work: Finish work will consist of raking out excess mortar from the brick joints before the mortar curing (drying) takes place.

Additional Specification: Cement Plaster

Cement Plaster: Finished brick foundation shall be covered in Cement Plaster using a mix of (1:3) 1 part cement plaster and 3 parts sand. Allowable time for cement plaster curing shall be allotted before painting. * See Paint requirements.

Reinforced Cement Concrete (RCC): (RCC) Reinforced Cement Concrete will be applied to the foundation top and stairs at a depth of 4" inches (thick) applied at a ratio of 1:2:4 collectively.

Stairs: Stairs will measure 8" inches in depth and 12" inches in length. Height shall be a total of 8" inches; to include the (RCC) Reinforced Cement Concrete 4" inch thick finish.

(Guard Post Foundation height shall be determined by Residential Security, which will be based on exterior wall height.)

Safety Hand Railing: Two (2) 42" inch high, 18 (SWG) Standard Wire Grade measuring 1" inch to 2" inches in diameter, metal pipe railing shall be installed on both sides of the stairs and extend the full length of the stairs. Rail shall be firmly affixed at the top portion of the stair continuing to the bottom stair.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

* PAINT SPECIFICATION:

Requirements: Apply paint to all metal and exterior wall plaster with weather-proof paint of an approved (single) shade of color.

Specifications (Metal): All fabricated metal such as; Steel spike strip, clamps, bolts, supports- iron/steel, gate structure- interior/exterior and metal sheeting will be painted with a red oxide priming paint (to prevent rust) and painted with (3) coats of a weather- proof paint of an approved grade and shade.

Specifications (Plaster): Three coats of ICI or approved weather shield/proof paint shall be applied on a completely dry/cured pre-plastered surface. All areas of constructed surfaces shall be painted as specified.

House No 3:

Main Gate:

- Deficiency: Steel nails are missing.
- Repair: Install steel nails at missing areas. (07 days)

Specification:

Provide and install M.S. (Mild Steel) fixed anti-climb spikes nails. Materials shall consist of ½" inch Solid Square M.S. (Mild Steel) bars (c/c) centered and consecutively affixed at 6"inch.

Nails shall be 6" inches in height. The base of the nails will be square and the top of the manufactured nail shall be tapered to a point.

Welding Requirement: All steel work joints should be continuously welded.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

- Deficiency: There is a gap between gate and gate pillars.
- Repair: Install metal 18 SWG pipe to cover the gap between gate and gate pillars. (07 days)

Specification:

Metal Pipe: Provide and install 18 (SWG, MS) Standard Wire Gauge, metal pipe round or square size 1", 2",3" or 4" whichever is applied according to the gaps between gate and gate pillar.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

Perimeter

Front wall:

- Deficiency: Spikes are loose.
- Repair: Install more fasteners and supports in the spikes as per specification. (07 days)

Specification:

Fabrication (Spike Support Bar): Support bar materials shall consist of ½" inch Solid Square M.S. (Mild Steel) 3' feet long bars consecutively affixed to the wall every 6' feet. The bar shall be welded in place, 6" inches from the top of every large nail spike or 7" inches. The 7" inch measurement falls directly below the 6" inch weld point of the affixed hook (Fishhook) spike.

Supports will be anchored to the wall utilizing two 4" inches Rawal bolts with drop in anchors (spot welded). The additional weld will be located at the top of the support connecting to the existing wall spike.

Spike Strip Anchoring (Fasteners): Anchors shall be (c/c) centered and consecutively affixed at no more than 18" inches on the left and right side of the strip. Anchors may also be affixed at 9" inch intervals, alternating from the left and right side every 9" inches. Anchor pins must be spot welded to steel tabs.

Welding Requirement: All steel work joints should be continuously welded.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

- Deficiency: Wall is accessible due to electric and gas meters.
- Repair: Install 27" inches diameter razor wire on all these points as per specification. (07 days)

Specifications:

Install 27" to 30" inch diameter (730 millimeter) razor Wire, with manufacture included clips, attached to affixed supports with welded clamps.

Coil Width: Each coil stretched shall not exceed 6" inches per coil upon measuring.

Clamps: Support Clamps shall be welded (using a steel product that still allows closure of the clamps for razor wire support) to the wall spikes at an interval of every second coil which is every 12" inches or equaling 1' foot in distance.

Razor Wire Supports: Supports, Angle iron measuring 2" inches X 2" inches wide by 3/16" in thickness X 3' feet in length or (also acceptable) solid steel bars equaling 3' feet in length, shall be welded to the existing wall spike at 3' feet intervals. Heavy gauge wire shall be strung between the welded supports and through the razor wire coils for upper stability. .**Solid steel bars affixed and welded in place between supports, in place of Heavy Gauge Wire is an acceptable support alternative.

Welding Requirement: All steel work joints should be continuously welded.

*Paint: Razor wire is not to be painted. See additional paint requirements.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

- Deficiency: Steel nails are missing.

- Repair: Install steel nails at missing areas. (07 days)

Specification:

Provide and install M.S. (Mild Steel) fixed anti-climb spikes nails. Materials shall consist of ½” inch Solid Square M.S. (Mild Steel) bars (c/c) centered and consecutively affixed at 6”inch.

Nails shall be 6” inches in height. The base of the nails will be square and the top of the manufactured nail shall be tapered to a point.

Welding Requirement: All steel work joints should be continuously welded.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

Left wall:

- Deficiency: Spikes are loose.

- Repair: Install more fasteners and supports in the spikes as per specification. (07 days)

Specification:

Fabrication (Spike Support Bar): Support bar materials shall consist of ½” inch Solid Square M.S. (Mild Steel) 3’ feet long bars consecutively affixed to the wall every 6’ feet. The bar shall be welded in place, 6” inches from the top of every large nail spike or 7” inches. The 7” inch measurement falls directly below the 6” inch weld point of the affixed hook (Fishhook) spike.

Supports will be anchored to the wall utilizing two 4” inches Rawal bolts with drop in anchors (spot welded). The additional weld will be located at the top of the support connecting to the existing wall spike.

Spike Strip Anchoring (Fasteners): Anchors shall be (c/c) centered and consecutively affixed at no more than 18” inches on the left and right side of the strip. Anchors may also be affixed at 9” inch intervals, alternating from the left and right side every 9” inches. Anchor pins must be spot welded to steel tabs.

Welding Requirement: All steel work joints should be continuously welded.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

- Deficiency: Height and razor wire requirement.

- Repair: Rear portion height is 6 1/2’ , remove the debries and soil to make clear 7’ feet height. Due to main road install 27” inches diameter razor wire on entire wall as per specification. (14 days)

Specifications:

Install 27” to 30” inch diameter (730 millimeter) razor Wire, with manufacture included clips, attached to affixed supports with welded clamps.

Coil Width: Each coil stretched shall not exceed 6” inches per coil upon measuring.

Clamps: Support Clamps shall be welded (using a steel product that still allows closure of the clamps for razor wire support) to the wall spikes at an interval of every second coil which is every 12” inches or equaling 1’ foot in distance.

Razor Wire Supports: Supports, Angle iron measuring 2" inches X 2" inches wide by 3/16" in thickness X 3' feet in length or (also acceptable) solid steel bars equaling 3' feet in length, shall be welded to the existing wall spike at 3' feet intervals. Heavy gauge wire shall be strung between the welded supports and through the razor wire coils for upper stability. .**Solid steel bars affixed and welded in place between supports, in place of Heavy Gauge Wire is an acceptable support alternative.

Welding Requirement: All steel work joints should be continuously welded.

*Paint: Razor wire is not to be painted. See additional paint requirements.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

- Deficiency: Steel nails are missing.
- Repair: Install steel nails at missing areas. (07 days)

Specification:

Provide and install M.S. (Mild Steel) fixed anti-climb spikes nails. Materials shall consist of 1/2" inch Solid Square M.S. (Mild Steel) bars (c/c) centered and consecutively affixed at 6"inch.

Nails shall be 6" inches in height. The base of the nails will be square and the top of the manufactured nail shall be tapered to a point.

Welding Requirement: All steel work joints should be continuously welded.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

Back wall:

- Deficiency: No guard walk around.
- Repair: Make and install 3 feet wide steel door in rear portion of the central wall so that guard can walk around the property. (07 days)

Specification:

Provide, fabricate and install metal door with 18 (SWG, MS) Standard Wire Gauge, Mild Steel, metal sheet.

Metal Sheet Framework: Metal sheet framework will consist of; (MS) Mild Steel angled steel strips measuring 2"inch X 2"inch wide X 3/16"inch thick.

Metal Sheet Backing: Metal sheet 18 (SWG, MS) Standard Wire Gauge, will be applied at one side of the gate.

Sliding Lockable bolt: Provide and install 1/2" diameter steel bar 10 inches long lockable sliding bolt at both sides of the door.

Finish work: Upon completion of the metal sheet, metal sheet framework and sliding bolt

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

Unobstructed view:

- Deficiency: Trimming of shrubs and trees.
- Repair: Trimming of shrubs and trees required all around the fence as per specification. (07 days)

Specification:

Requirements: All bushes, shrubs, climbing vines, ornamental trees or other foliage identified as obstructive, shall be cut to a height not exceeding the height of the perimeter wall and maintained at that height.

**Some trees may have to be heavily trimmed or removed (trimming and/or removal of trees will be determined by Residential Security) determination is solely dependent on the level of obstruction.

Requirements: Razor wire and Wall spikes shall be kept completely free of any and all; bushes, shrubs, climbing vines, ornamental trees or other foliage identified as obstructive or damaging to the security equipment. These shall be cut to a height not exceeding the height of the perimeter wall and maintained at that height.

Local Guard Force Support

- Deficiency: Tower bolt requirement.
- Repair: Install tower bolt at outside of guard booth door. (07 days)

Specification:

Bolts: Top quality 6" inches long tower bolt shall be affixed, at out side of the opening edge of door.

* PAINT SPECIFICATION:

Requirements: Apply paint to all metal and exterior wall plaster with weather-proof paint of an approved (single) shade of color.

Specifications (Metal): All fabricated metal such as; Steel spike strip, clamps, bolts, supports- iron/steel, gate structure- interior/exterior and metal sheeting will be painted with a red oxide priming paint (to prevent rust) and painted with (3) coats of a weather- proof paint of an approved grade and shade.

Specifications (Plaster): Three coats of ICI or approved weather shield/proof paint shall be applied on a completely dry/cured pre-plastered surface. All areas of constructed surfaces shall be painted as specified.

House No 4:

Main Gate:

- Deficiency: There is a gap over the few gate pillars.
- Repair: Install spikes over the gate pillars to cover the gap as per specification. (07 days)

Specification:

Provide and install M.S. (Mild Steel) fixed anti-climb spikes (Fish-hook). Materials shall consist of ½" inch Solid Square M.S. (Mild Steel) bars (c/c) centered and consecutively affixed at 6"inch and 3" inch points.

Large nail spikes shall range in height from 2' feet high. Materials shall consist of ½" inch Solid Square M.S. (Mild Steel) bars. The base of the spike will be square. The top of the manufactured spike shall be tapered to a point.

Small nail spikes shall be 6" inches in height. The base of the spike will be square and the top of the manufactured spike shall be tapered to a point.

Fabrication (Hook): Larger nail spikes ranging from 2' feet in height shall have the M.S (Mild Steel) hook (Fishhook) welded and fixed in position 6" inches from the top of the nail spike. The affixed fabricated hook, upon completion, shall not exceed 6" inches in length, measured from the weld to the tapered hook end.

Base: The spike strip base shall consist of a M.S. (Mild Steel) strip measuring 2" inches wide X 3/16" inches in thickness and no longer than 36" inches in length for each section.

Fabrication (Spike Support Bar): Support bar materials shall consist of 1/2" inch Solid Square M.S. (Mild Steel) 3' feet long bars consecutively affixed to the wall every 6' feet. The bar shall be welded in place, 6" inches from the top of every large nail spike or 7" inches. The 7" inch measurement falls directly below the 6" inch weld point of the affixed hook (Fishhook) spike.

Supports will be anchored to the wall utilizing two 4" inches Rawal bolts with drop in anchors (spot welded). The additional weld will be located at the top of the support connecting to the existing wall spike.

Spike Strip Anchoring (Fasteners): Anchors shall be (c/c) centered and consecutively affixed at no more than 18" inches on the left and right side of the strip. Anchors may also be affixed at 9" inch intervals, alternating from the left and right side every 9" inches. Anchor pins must be spot welded to steel tabs.

Welding Requirement: All steel work joints should be continuously welded.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

- Deficiency: Steel nails are missing.

- Repair: Install 6" high steel nails at missing areas. (07 days)

Specification:

Provide and install M.S. (Mild Steel) fixed anti-climb spikes nails. Materials shall consist of 1/2" inch Solid Square M.S. (Mild Steel) bars (c/c) centered and consecutively affixed at 6" inch.

Nails shall be 6" inches in height. The base of the nails will be square and the top of the manufactured nail shall be tapered to a point.

Welding Requirement: All steel work joints should be continuously welded.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

Perimeter

Front wall:

- Deficiency: Spikes are loose.

- Repair: Install more fasteners and supports in the spikes as per specification. (07 days)

Specification:

Fabrication (Spike Support Bar): Support bar materials shall consist of 1/2" inch Solid Square M.S. (Mild Steel) 3' feet long bars consecutively affixed to the wall every 6' feet. The bar shall be welded in place, 6" inches from the top of every large nail spike or 7" inches. The 7" inch measurement falls directly below the 6" inch weld point of the affixed hook (Fishhook) spike.

Supports will be anchored to the wall utilizing two 4" inches Rawal bolts with drop in anchors (spot welded). The additional weld will be located at the top of the support connecting to the existing wall spike.

Spike Strip Anchoring (Fasteners): Anchors shall be (c/c) centered and consecutively affixed at no more than 18" inches on the left and right side of the strip. Anchors may also be affixed at 9" inch intervals, alternating from the left and right side every 9" inches. Anchor pins must be spot welded to steel tabs.

Welding Requirement: All steel work joints should be continuously welded.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

- Deficiency: Wall is accessible due to electric meters, phone pole and tree.
- Repair: Install 27" inches diameter razor wire on top of the wall to cover all these points as per specification. (07 days)

Specifications:

Install 27" to 30" inch diameter (730 millimeter) razor Wire, with manufacture included clips, attached to affixed supports with welded clamps.

Coil Width: Each coil stretched shall not exceed 6" inches per coil upon measuring.

Clamps: Support Clamps shall be welded (using a steel product that still allows closure of the clamps for razor wire support) to the wall spikes at an interval of every second coil which is every 12" inches or equaling 1' foot in distance.

Razor Wire Supports: Supports, Angle iron measuring 2" inches X 2" inches wide by 3/16" in thickness X 3' feet in length or (also acceptable) solid steel bars equaling 3' feet in length, shall be welded to the existing wall spike at 3' feet intervals. Heavy gauge wire shall be strung between the welded supports and through the razor wire coils for upper stability. .**Solid steel bars affixed and welded in place between supports, in place of Heavy Gauge Wire is an acceptable support alternative.

Welding Requirement: All steel work joints should be continuously welded.

*Paint: Razor wire is not to be painted. See additional paint requirements.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

- Deficiency: Steel nails are missing.
- Repair: Install 6" high steel nails at missing areas. (07 days)

Specification:

Provide and install M.S. (Mild Steel) fixed anti-climb spikes nails. Materials shall consist of 1/2" inch Solid Square M.S. (Mild Steel) bars (c/c) centered and consecutively affixed at 6" inch.

Nails shall be 6" inches in height. The base of the nails will be square and the top of the manufactured nail shall be tapered to a point.

Welding Requirement: All steel work joints should be continuously welded.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

Back wall:

Unobstructed view:

- Deficiency: Trimming of shrubs and trees.
- Repair: Trimming of shrubs and trees required all around the fence as per specification. (07 days)

Specification:

Requirements: All bushes, shrubs, climbing vines, ornamental trees or other foliage identified as obstructive, shall be cut to a height not exceeding the height of the perimeter wall and maintained at that height.

**Some trees may have to be heavily trimmed or removed (trimming and/or removal of trees will be determined by Residential Security) determination is solely dependent on the level of obstruction. (Continued)

Requirements: Razor wire and Wall spikes shall be kept completely free of any and all; bushes, shrubs, climbing vines, ornamental trees or other foliage identified as obstructive or damaging to the security equipment. These shall be cut to a height not exceeding the height of the perimeter wall and maintained at that height.

Local Guard Force Support

- Deficiency: Tower bolt requirement.
- Repair: Install tower bolt at outside of guard booth door. (07 days)

Specification:

Bolts: Top quality 6" inches long tower bolt shall be affixed, at out side of the opening edge of door.

* PAINT SPECIFICATION:

Requirements: Apply paint to all metal and exterior wall plaster with weather-proof paint of an approved (single) shade of color.

Specifications (Metal): All fabricated metal such as; Steel spike strip, clamps, bolts, supports- iron/steel, gate structure- interior/exterior and metal sheeting will be painted with a red oxide priming paint (to prevent rust) and painted with (3) coats of a weather- proof paint of an approved grade and shade.

Specifications (Plaster): Three coats of ICI or approved weather shield/proof paint shall be applied on a completely dry/cured pre-plastered surface. All areas of constructed surfaces shall be painted as specified.

House No 5:

Main Gate:

- Deficiency: There is a gap over the few gate pillars.
- Repair: Install spikes over the gate pillars to cover the gap as per specification. (07 days)

Specification:

Provide and install M.S. (Mild Steel) fixed anti-climb spikes (Fish-hook). Materials shall consist of ½" inch Solid Square M.S. (Mild Steel) bars (c/c) centered and consecutively affixed at 6"inch and 3" inch points.

Large nail spikes shall range in height from 2' feet high. Materials shall consist of ½" inch Solid Square M.S. (Mild Steel) bars. The base of the spike will be square. The top of the manufactured spike shall be tapered to a point.

Small nail spikes shall be 6" inches in height. The base of the spike will be square and the top of the manufactured spike shall be tapered to a point.

Fabrication (Hook): Larger nail spikes ranging from 2' feet in height shall have the M.S (Mild Steel) hook (Fishhook) welded and fixed in position 6" inches from the top of the nail spike. The affixed fabricated hook, upon completion, shall not exceed 6" inches in length, measured from the weld to the tapered hook end.

Base: The spike strip base shall consist of a M.S. (Mild Steel) strip measuring 2 inches wide X 3/16 inches in thickness and no longer than 36 inches in length for each section.

Fabrication (Spike Support Bar): Support bar materials shall consist of 1/2 inch Solid Square M.S. (Mild Steel) 3 feet long bars consecutively affixed to the wall every 6 feet. The bar shall be welded in place, 6 inches from the top of every large nail spike or 7 inches. The 7 inch measurement falls directly below the 6 inch weld point of the affixed hook (Fishhook) spike.

Supports will be anchored to the wall utilizing two 4 inches Rawal bolts with drop in anchors (spot welded). The additional weld will be located at the top of the support connecting to the existing wall spike.

Spike Strip Anchoring (Fasteners): Anchors shall be (c/c) centered and consecutively affixed at no more than 18 inches on the left and right side of the strip. Anchors may also be affixed at 9 inch intervals, alternating from the left and right side every 9 inches. Anchor pins must be spot welded to steel tabs.

Welding Requirement: All steel work joints should be continuously welded.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

- Deficiency: Steel nails are missing.
- Repair: Install 6" high steel nails at missing areas. (07 days)

Specification:

Provide and install M.S. (Mild Steel) fixed anti-climb spikes nails. Materials shall consist of 1/2 inch Solid Square M.S. (Mild Steel) bars (c/c) centered and consecutively affixed at 6 inch.

Nails shall be 6 inches in height. The base of the nails will be square and the top of the manufactured nail shall be tapered to a point.

Welding Requirement: All steel work joints should be continuously welded.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

Perimeter

Front wall:

- Deficiency: Spikes are loose.
- Repair: Install more fasteners and supports in the spikes as per specification. (07 days)

Specification:

Fabrication (Spike Support Bar): Support bar materials shall consist of 1/2 inch Solid Square M.S. (Mild Steel) 3 feet long bars consecutively affixed to the wall every 6 feet. The bar shall be welded in place, 6 inches from the top of every large nail spike or 7 inches. The 7 inch measurement falls directly below the 6 inch weld point of the affixed hook (Fishhook) spike.

Supports will be anchored to the wall utilizing two 4 inches Rawal bolts with drop in anchors (spot welded). The additional weld will be located at the top of the support connecting to the existing wall spike.

Spike Strip Anchoring (Fasteners): Anchors shall be (c/c) centered and consecutively affixed at no more than 18" inches on the left and right side of the strip. Anchors may also be affixed at 9" inch intervals, alternating from the left and right side every 9" inches. Anchor pins must be spot welded to steel tabs.

Welding Requirement: All steel work joints should be continuously welded.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

- Deficiency: Wall is accessible due to phone pole.
- Repair: Install 27" inches diameter razor wire on top of the spikes to deny the access from phone pole as per specification. (21 days)

Specifications:

Install 27" to 30" inch diameter (730 millimeter) razor Wire, with manufacture included clips, attached to affixed supports with welded clamps.

Coil Width: Each coil stretched shall not exceed 6" inches per coil upon measuring.

Clamps: Support Clamps shall be welded (using a steel product that still allows closure of the clamps for razor wire support) to the wall spikes at an interval of every second coil which is every 12" inches or equaling 1' foot in distance.

Razor Wire Supports: Supports, Angle iron measuring 2" inches X 2" inches wide by 3/16" in thickness X 3' feet in length or (also acceptable) solid steel bars equaling 3' feet in length, shall be welded to the existing wall spike at 3' feet intervals. Heavy gauge wire shall be strung between the welded supports and through the razor wire coils for upper stability. **Solid steel bars affixed and welded in place between supports, in place of Heavy Gauge Wire is an acceptable support alternative.

Welding Requirement: All steel work joints should be continuously welded.

*Paint: Razor wire is not to be painted. See additional paint requirements.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

- Deficiency: Steel nails are missing.
- Repair: Install 6" high steel nails at missing areas. (07 days)

Specification:

Provide and install M.S. (Mild Steel) fixed anti-climb spikes nails. Materials shall consist of 1/2" inch Solid Square M.S. (Mild Steel) bars (c/c) centered and consecutively affixed at 6" inch.

Nails shall be 6" inches in height. The base of the nails will be square and the top of the manufactured nail shall be tapered to a point.

Welding Requirement: All steel work joints should be continuously welded.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

Back wall:

- Deficiency: No guard walk around.
- Repair: Make and install 3 feet wide steel door in rear portion of the central wall so that guard can walk around the property. (07 days)

Specification:

Provide, fabricate and install metal door with 18 (SWG, MS) Standard Wire Gauge, Mild Steel, metal sheet.

Metal Sheet Framework: Metal sheet framework will consist of; (MS) Mild Steel angled steel strips measuring 2”inch X 2”inch wide X 3/16”inch thick.

Metal Sheet Backing: Metal sheet 18 (SWG, MS) Standard Wire Gauge, will be applied at one side of the gate.

Sliding Lockable bolt: Provide and install ½” diameter steel bar 10 inches long lockable sliding bolt at both sides of the door.

Finish work: Upon completion of the metal sheet, metal sheet framework and sliding bolt

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

Unobstructed view:

- Deficiency: Trimming of shrubs and trees.
- Repair: Trimming of shrubs and trees required all around the fence as per specification. (07 days)

Specification:

Requirements: All bushes, shrubs, climbing vines, ornamental trees or other foliage identified as obstructive, shall be cut to a height not exceeding the height of the perimeter wall and maintained at that height.

**Some trees may have to be heavily trimmed or removed (trimming and/or removal of trees will be determined by Residential Security) determination is solely dependent on the level of obstruction. (Continued)

Requirements: Razor wire and Wall spikes shall be kept completely free of any and all; bushes, shrubs, climbing vines, ornamental trees or other foliage identified as obstructive or damaging to the security equipment. These shall be cut to a height not exceeding the height of the perimeter wall and maintained at that height.

*** PAINT SPECIFICATION:**

Requirements: Apply paint to all metal and exterior wall plaster with weather-proof paint of an approved (single) shade of color.

Specifications (Metal): All fabricated metal such as; Steel spike strip, clamps, bolts, supports- iron/steel, gate structure- interior/exterior and metal sheeting will be painted with a red oxide priming paint (to prevent rust) and painted with (3) coats of a weather- proof paint of an approved grade and shade.

Specifications (Plaster): Three coats of ICI or approved weather shield/proof paint shall be applied on a completely dry/cured pre-plastered surface. All areas of constructed surfaces shall be painted as specified.

House No 6:

Main Gate:

- Deficiency: There is a gap over the few gate pillars.
- Repair: Install spikes over the gate pillars to cover the gap as per specification. (07 days)

Specification:

Provide and install M.S. (Mild Steel) fixed anti-climb spikes (Fish-hook). Materials shall consist of ½” inch Solid Square M.S. (Mild Steel) bars (c/c) centered and consecutively affixed at 6”inch and 3” inch points.

Large nail spikes shall range in height from 2’ feet high. Materials shall consist of ½” inch Solid Square M.S. (Mild Steel) bars. The base of the spike will be square. The top of the manufactured spike shall be tapered to a point.

Small nail spikes shall be 6” inches in height. The base of the spike will be square and the top of the manufactured spike shall be tapered to a point.

Fabrication (Hook): Larger nail spikes ranging from 2’ feet in height shall have the M.S (Mild Steel) hook (Fishhook) welded and fixed in position 6” inches from the top of the nail spike. The affixed fabricated hook, upon completion, shall not exceed 6” inches in length, measured from the weld to the tapered hook end.

Base: The spike strip base shall consist of a M.S. (Mild Steel) strip measuring 2”inches wide X 3/16” inches in thickness and no longer than 36” inches in length for each section.

Fabrication (Spike Support Bar): Support bar materials shall consist of ½” inch Solid Square M.S. (Mild Steel) 3’ feet long bars consecutively affixed to the wall every 6’ feet. The bar shall be welded in place, 6” inches from the top of every large nail spike or 7” inches. The 7” inch measurement falls directly below the 6” inch weld point of the affixed hook (Fishhook) spike.

Supports will be anchored to the wall utilizing two 4” inches Rawal bolts with drop in anchors (spot welded). The additional weld will be located at the top of the support connecting to the existing wall spike.

Spike Strip Anchoring (Fasteners): Anchors shall be (c/c) centered and consecutively affixed at no more than 18” inches on the left and right side of the strip. Anchors may also be affixed at 9” inch intervals, alternating from the left and right side every 9” inches. Anchor pins must be spot welded to steel tabs.

Welding Requirement: All steel work joints should be continuously welded.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

- Deficiency: Steel nails are missing.
- Repair: Install steel nails at missing areas. (07 days)

Specification:

Provide and install M.S. (Mild Steel) fixed anti-climb spikes nails. Materials shall consist of ½” inch Solid Square M.S. (Mild Steel) bars (c/c) centered and consecutively affixed at 6”inch.

Nails shall be 6” inches in height. The base of the nails will be square and the top of the manufactured nail shall be tapered to a point.

Welding Requirement: All steel work joints should be continuously welded.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

- Deficiency: There is a gap between gate and gate pillars.
- Repair: Install metal pipe to cover the gap between gate and gate pillars. (07 days)

Specification:

Metal Pipe: Provide and install 18 (SWG, MS) Standard Wire Gauge, metal pipe round or square size 1", 2", 3" or 4" whichever is applied according to the gaps between gate and gate pillar.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

Perimeter

Front wall:

- Deficiency: Spikes are loose.
- Repair: Install more fasteners and supports in the spikes as per specification. (07 days)

Specification:

Fabrication (Spike Support Bar): Support bar materials shall consist of ½" inch Solid Square M.S. (Mild Steel) 3' feet long bars consecutively affixed to the wall every 6' feet. The bar shall be welded in place, 6" inches from the top of every large nail spike or 7" inches. The 7" inch measurement falls directly below the 6" inch weld point of the affixed hook (Fishhook) spike.

Supports will be anchored to the wall utilizing two 4" inches Rawal bolts with drop in anchors (spot welded). The additional weld will be located at the top of the support connecting to the existing wall spike.

Spike Strip Anchoring (Fasteners): Anchors shall be (c/c) centered and consecutively affixed at no more than 18" inches on the left and right side of the strip. Anchors may also be affixed at 9" inch intervals, alternating from the left and right side every 9" inches. Anchor pins must be spot welded to steel tabs.

Welding Requirement: All steel work joints should be continuously welded.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

- Deficiency: Wall is accessible due to gas meter, phone pole and tree.
- Repair: Install 27" inches diameter razor wire on top of the spikes to deny the access from all these access points as per specification. (21 days)

Specifications:

Install 27" to 30" inch diameter (730 millimeter) razor Wire, with manufacture included clips, attached to affixed supports with welded clamps.

Coil Width: Each coil stretched shall not exceed 6" inches per coil upon measuring.

Clamps: Support Clamps shall be welded (using a steel product that still allows closure of the clamps for razor wire support) to the wall spikes at an interval of every second coil which is every 12" inches or equaling 1' foot in distance.

Razor Wire Supports: Supports, Angle iron measuring 2” inches X 2” inches wide by 3/16” in thickness X 3’ feet in length or (also acceptable) solid steel bars equaling 3’ feet in length, shall be welded to the existing wall spike at 3’ feet intervals. Heavy gauge wire shall be strung between the welded supports and through the razor wire coils for upper stability. .**Solid steel bars affixed and welded in place between supports, in place of Heavy Gauge Wire is an acceptable support alternative.

Welding Requirement: All steel work joints should be continuously welded.

*Paint: Razor wire is not to be painted. See additional paint requirements.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

- Deficiency: Steel nails are missing.
- Repair: Install steel nails at missing areas. (07 days)

Specification:

Provide and install M.S. (Mild Steel) fixed anti-climb spikes nails. Materials shall consist of ½” inch Solid Square M.S. (Mild Steel) bars (c/c) centered and consecutively affixed at 6”inch.

Nails shall be 6” inches in height. The base of the nails will be square and the top of the manufactured nail shall be tapered to a point.

Welding Requirement: All steel work joints should be continuously welded.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

Right wall:

- Deficiency: Spikes are loose.
- Repair: Install more fasteners and supports in the spikes as per specification. (07 days)

Specification:

Fabrication (Spike Support Bar): Support bar materials shall consist of ½” inch Solid Square M.S. (Mild Steel) 3’ feet long bars consecutively affixed to the wall every 6’ feet. The bar shall be welded in place, 6” inches from the top of every large nail spike or 7” inches. The 7” inch measurement falls directly below the 6” inch weld point of the affixed hook (Fishhook) spike.

Supports will be anchored to the wall utilizing two 4” inches Rawal bolts with drop in anchors (spot welded). The additional weld will be located at the top of the support connecting to the existing wall spike.

Spike Strip Anchoring (Fasteners): Anchors shall be (c/c) centered and consecutively affixed at no more than 18” inches on the left and right side of the strip. Anchors may also be affixed at 9” inch intervals, alternating from the left and right side every 9” inches. Anchor pins must be spot welded to steel tabs.

Welding Requirement: All steel work joints should be continuously welded.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

- Deficiency: Steel nails are missing.

- Repair: Install steel nails at missing areas. (07 days)

Specification:

Provide and install M.S. (Mild Steel) fixed anti-climb spikes nails. Materials shall consist of ½” inch Solid Square M.S. (Mild Steel) bars (c/c) centered and consecutively affixed at 6”inch.

Nails shall be 6” inches in height. The base of the nails will be square and the top of the manufactured nail shall be tapered to a point.

Welding Requirement: All steel work joints should be continuously welded.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

Unobstructed view:

- Deficiency: Trimming of shrubs and trees.

- Repair: Trimming of shrubs and trees required all around the fence as per specification. (07 days)

Specification:

Requirements: All bushes, shrubs, climbing vines, ornamental trees or other foliage identified as obstructive, shall be cut to a height not exceeding the height of the perimeter wall and maintained at that height.

**Some trees may have to be heavily trimmed or removed (trimming and/or removal of trees will be determined by Residential Security) determination is solely dependent on the level of obstruction. (Continued)

Requirements: Razor wire and Wall spikes shall be kept completely free of any and all; bushes, shrubs, climbing vines, ornamental trees or other foliage identified as obstructive or damaging to the security equipment. These shall be cut to a height not exceeding the height of the perimeter wall and maintained at that height.

* PAINT SPECIFICATION:

Requirements: Apply paint to all metal and exterior wall plaster with weather-proof paint of an approved (single) shade of color.

Specifications (Metal): All fabricated metal such as; Steel spike strip, clamps, bolts, supports- iron/steel, gate structure- interior/exterior and metal sheeting will be painted with a red oxide priming paint (to prevent rust) and painted with (3) coats of a weather- proof paint of an approved grade and shade.

Specifications (Plaster): Three coats of ICI or approved weather shield/proof paint shall be applied on a completely dry/cured pre-plastered surface. All areas of constructed surfaces shall be painted as specified.

House No 7:

Main Gate:

- Deficiency: There is a gap b/w gate and gate pillars.
- Repair: Install metal pipe to cover the gap. (07 days)

Specification:

Metal Pipe: Provide and install 18 (SWG, MS) Standard Wire Gauge, metal pipe round or square size 1", 2", 3" or 4" whichever is applied according to the gaps between gate and gate pillar.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

- Deficiency: There are foot holds.
- Repair: Install 18 SWG metal sheet on main gate to cover the foot holds as per specification. (07 days)

Specification:

Metal Sheet: Provide and install 18 (SWG, MS) Standard Wire Gauge, metal sheet at outer side.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

Perimeter

Front wall:

- Deficiency: Spike's fasteners requirements.
- Repair: Install more fasteners in the spikes as per specification. (07 days)

Specification:

Spike Strip Anchoring (Fasteners): Anchors shall be (c/c) centered and consecutively affixed at no more than 18" inches on the left and right side of the strip. Anchors may also be affixed at 9" inch intervals, alternating from the left and right side every 9" inches. Anchor pins must be spot welded to steel tabs.

Welding Requirement: All steel work joints should be continuously welded.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

- Deficiency: Wall is accessible due to trees and neighbor's main gate pillar.
- Repair: Install 27" inches diameter razor wire on entire wall including right wall corner as per specification. (14 days)

Specifications:

Install 27" to 30" inch diameter (730 millimeter) razor Wire, with manufacture included clips, attached to affixed supports with welded clamps.

Coil Width: Each coil stretched shall not exceed 6" inches per coil upon measuring.

Clamps: Support Clamps shall be welded (using a steel product that still allows closure of the clamps for razor wire

support) to the wall spikes at an interval of every second coil which is every 12" inches or equaling 1' foot in distance.

Razor Wire Supports: Supports, Angle iron measuring 2" inches X 2" inches wide by 3/16" in thickness X 3' feet in length or (also acceptable) solid steel bars equaling 3' feet in length, shall be welded to the existing wall spike at 3' feet intervals. Heavy gauge wire shall be strung between the welded supports and through the razor wire coils for upper stability. .**Solid steel bars affixed and welded in place between supports, in place of Heavy Gauge Wire is an acceptable support alternative.

Welding Requirement: All steel work joints should be continuously welded.

*Paint: Razor wire is not to be painted. See additional paint requirements.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

Right wall:

- Deficiency: Spike's fasteners requirements.
- Repair: Install more fasteners in the spikes as per specification. (07 days)

Specification:

Spike Strip Anchoring (Fasteners): Anchors shall be (c/c) centered and consecutively affixed at no more than 18" inches on the left and right side of the strip. Anchors may also be affixed at 9" inch intervals, alternating from the left and right side every 9" inches. Anchor pins must be spot welded to steel tabs.

Welding Requirement: All steel work joints should be continuously welded.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

- Deficiency: Access from neighbor's sheds.
- Repair: Remove metal sheet and install new 4' feet high pointed bars including fish hooks and horizontal bar, fasteners & supports for its stability over existing metal base and double roll of 27" inches diameter razor wire as per specification. (14 days)

Specification:

Provide and install M.S. (Mild Steel) fixed anti-climb spikes (Fish-hook). Materials shall consist of 1/2" inch Solid Square M.S. (Mild Steel) bars (c/c) centered and consecutively affixed at 6" inch and 3" inch points.

Large nail spikes shall range in height from 4' feet high. Materials shall consist of 1/2" inch Solid Square M.S. (Mild Steel) bars. The base of the spike will be square. The top of the manufactured spike shall be tapered to a point.

Fabrication (Hook): Larger nail spikes ranging from 4' feet in height shall have the M.S (Mild Steel) hook (Fishhook) welded and fixed in position 6" inches from the top of the nail spike. The affixed fabricated hook, upon completion, shall not exceed 6" inches in length, measured from the weld to the tapered hook end.

Fabrication (Spike Support Bar): Support bar materials shall consist of 1/2" inch Solid Square M.S. (Mild Steel) 3' feet long bars consecutively affixed to the wall every 6' feet. The bar shall be welded in place, 6" inches from the top of every large nail spike or 7" inches. The 7" inch measurement falls directly below the 6" inch weld point of the affixed hook (Fishhook) spike.

Supports will be anchored to the wall utilizing two 4" inches Rawal bolts with drop in anchors (spot welded). The additional weld will be located at the top of the support connecting to the existing wall spike.

Spike Strip Anchoring (Fasteners): Anchors shall be (c/c) centered and consecutively affixed at no more than 18" inches on the left and right side of the strip. Anchors may also be affixed at 9" inch intervals, alternating from the left and right side every 9" inches. Anchor pins must be spot welded to steel tabs.

Welding Requirement: All steel work joints should be continuously welded.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

Specification Razor wire:

Install 27" to 30" inch diameter (730 millimeter) razor Wire, with manufacture included clips, attached to affixed supports with welded clamps.

Coil Width: Each coil stretched shall not exceed 6" inches per coil upon measuring.

Clamps: Support Clamps shall be welded (using a steel product that still allows closure of the clamps for razor wire support) to the wall spikes at an interval of every second coil which is every 12" inches or equaling 1' foot in distance.

Razor Wire Supports: Supports, Angle iron measuring 2" inches X 2" inches wide by 3/16" in thickness X 3' feet in length or (also acceptable) solid steel bars equaling 3' feet in length, shall be welded to the existing wall spike at 3' feet intervals. Heavy gauge wire shall be strung between the welded supports and through the razor wire coils for upper stability. .**Solid steel bars affixed and welded in place between supports, in place of Heavy Gauge Wire is an acceptable support alternative.*Paint: Razor wire is not to be painted. See additional paint requirements.

Welding Requirement: All steel work joints should be continuously welded.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

- Deficiency: Our roof is accessible from neighbor's roof.
- Repair: Install 4 feet spikes with razor wire on top of our roof at accessible area.

Specification:

Provide and install M.S. (Mild Steel) fixed anti-climb spikes (Fish-hook). Materials shall consist of 1/2" inch Solid Square M.S. (Mild Steel) bars (c/c) centered and consecutively affixed at 6" inch and 3" inch points.

Large nail spikes shall range in height from 4' feet high. Materials shall consist of 1/2" inch Solid Square M.S. (Mild Steel) bars. The base of the spike will be square. The top of the manufactured spike shall be tapered to a point.

Small nail spikes shall be 6" inches in height. The base of the spike will be square and the top of the manufactured spike shall be tapered to a point.

Fabrication (Hook): Larger nail spikes ranging from 4' feet in height shall have the M.S (Mild Steel) hook (Fishhook) welded and fixed in position 6" inches from the top of the nail spike. The affixed fabricated hook, upon completion, shall not exceed 6" inches in length, measured from the weld to the tapered hook end.

Base: The spike strip base shall consist of a M.S. (Mild Steel) strip measuring 2" inches wide X 3/16" inches in thickness and no longer than 36" inches in length for each section.

Fabrication (Spike Support Bar): Support bar materials shall consist of 1/2" inch Solid Square M.S. (Mild Steel) 3' feet long bars consecutively affixed to the wall every 6' feet. The bar shall be welded in place, 6" inches from the top of every large nail spike or 7" inches. The 7" inch measurement falls directly below the 6" inch weld point of the affixed hook (Fishhook) spike.

Supports will be anchored to the wall utilizing two 4" inches Rawal bolts with drop in anchors (spot welded). The additional weld will be located at the top of the support connecting to the existing wall spike.

Spike Strip Anchoring (Fasteners): Anchors shall be (c/c) centered and consecutively affixed at no more than 18" inches on the left and right side of the strip. Anchors may also be affixed at 9" inch intervals, alternating from the left and right side every 9" inches. Anchor pins must be spot welded to steel tabs.

Welding Requirement: All steel work joints should be continuously welded.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

Specification Razor wire:

Install 27" to 30" inch diameter (730 millimeter) razor Wire, with manufacture included clips, attached to affixed supports with welded clamps.

Coil Width: Each coil stretched shall not exceed 6" inches per coil upon measuring.

Clamps: Support Clamps shall be welded (using a steel product that still allows closure of the clamps for razor wire support) to the wall spikes at an interval of every second coil which is every 12" inches or equaling 1' foot in distance.

Razor Wire Supports: Supports, Angle iron measuring 2" inches X 2" inches wide by 3/16" in thickness X 3' feet in length or (also acceptable) solid steel bars equaling 3' feet in length, shall be welded to the existing wall spike at 3' feet intervals. Heavy gauge wire shall be strung between the welded supports and through the razor wire coils for upper stability. **Solid steel bars affixed and welded in place between supports, in place of Heavy Gauge Wire is an acceptable support alternative.

Welding Requirement: All steel work joints should be continuously welded.

*Paint: Razor wire is not to be painted. See additional paint requirements.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

Left wall:

- Deficiency: Spike's fasteners requirements.
- Repair: Install more fasteners in the spikes as per specification. (07 days)

Specification:

Spike Strip Anchoring (Fasteners): Anchors shall be (c/c) centered and consecutively affixed at no more than 18" inches on the left and right side of the strip. Anchors may also be affixed at 9" inch intervals, alternating from the left and right side every 9" inches. Anchor pins must be spot welded to steel tabs.

Welding Requirement: All steel work joints should be continuously welded.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

- Deficiency: Access from neighbor's sheds, carport & trees.

- Repair: Install new 5' feet high pointed bars including fish hooks and horizontal bar, fasteners & supports for its stability over existing metal base with double layer of 27" inches diameter razor wire at carport access area, Install new 4' feet high pointed bars including fish hooks and horizontal bar, fasteners & supports for its stability over existing metal base with double layer of 27" diameter razor wire at shed access area and install just razor wire at trees access area as per specification. (21 days)

Specification for spikes:

Provide and install M.S. (Mild Steel) fixed anti-climb spikes (Fish-hook). Materials shall consist of ½" inch Solid Square M.S. (Mild Steel) bars (c/c) centered and consecutively affixed at 6" inch and 3" inch points.

Large nail spikes shall range in height from 4' feet or 5' feet high whichever is required. Materials shall consist of ½" inch Solid Square M.S. (Mild Steel) bars. The base of the spike will be square. The top of the manufactured spike shall be tapered to a point.

Small nail spikes shall be 6" inches in height. The base of the spike will be square and the top of the manufactured spike shall be tapered to a point.

Fabrication (Hook): Larger nail spikes ranging from 4' feet in height shall have the M.S (Mild Steel) hook (Fishhook) welded and fixed in position 6" inches from the top of the nail spike. The affixed fabricated hook, upon completion, shall not exceed 6" inches in length, measured from the weld to the tapered hook end.

Base: The spike strip base shall consist of a M.S. (Mild Steel) strip measuring 2" inches wide X 3/16" inches in thickness and no longer than 36" inches in length for each section.

Fabrication (Spike Support Bar): Support bar materials shall consist of ½" inch Solid Square M.S. (Mild Steel) 3' feet long bars consecutively affixed to the wall every 6' feet. The bar shall be welded in place, 6" inches from the top of every large nail spike or 7" inches. The 7" inch measurement falls directly below the 6" inch weld point of the affixed hook (Fishhook) spike.

Supports will be anchored to the wall utilizing two 4" inches Rawal bolts with drop in anchors (spot welded). The additional weld will be located at the top of the support connecting to the existing wall spike.

Spike Strip Anchoring (Fasteners): Anchors shall be (c/c) centered and consecutively affixed at no more than 18" inches on the left and right side of the strip. Anchors may also be affixed at 9" inch intervals, alternating from the left and right side every 9" inches. Anchor pins must be spot welded to steel tabs.

Welding Requirement: All steel work joints should be continuously welded.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

Specification for Razor wire:

Install 27" to 30" inch diameter (730 millimeter) razor Wire, with manufacture included clips, attached to affixed supports with welded clamps.

Coil Width: Each coil stretched shall not exceed 6" inches per coil upon measuring.

Clamps: Support Clamps shall be welded (using a steel product that still allows closure of the clamps for razor wire support) to the wall spikes at an interval of every second coil which is every 12" inches or equaling 1' foot in distance.

Razor Wire Supports: Supports, Angle iron measuring 2" inches X 2" inches wide by 3/16" in thickness X 3' feet in length or (also acceptable) solid steel bars equaling 3' feet in length, shall be welded to the existing wall spike at 3' feet intervals. Heavy gauge wire shall be strung between the welded supports and through the razor wire coils for

upper stability. .**Solid steel bars affixed and welded in place between supports, in place of Heavy Gauge Wire is an acceptable support alternative.

Welding Requirement: All steel work joints should be continuously welded.

*Paint: Razor wire is not to be painted. See additional paint requirements.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

Back wall:

- Deficiency: Spike's fasteners requirements.
- Repair: Install more fasteners in the spikes as per specification. (07 days)

Specification:

Spike Strip Anchoring (Fasteners): Anchors shall be (c/c) centered and consecutively affixed at no more than 18" inches on the left and right side of the strip. Anchors may also be affixed at 9" inch intervals, alternating from the left and right side every 9" inches. Anchor pins must be spot welded to steel tabs.

Welding Requirement: All steel work joints should be continuously welded.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

Unobstructed view:

- Deficiency: Trimming trees.
- Repair: Trimming of trees required. (07 days)

Specification:

Requirements: All bushes, shrubs, climbing vines, ornamental trees or other foliage identified as obstructive, shall be cut to a height not exceeding the height of the perimeter wall and maintained at that height.

**Some trees may have to be heavily trimmed or removed (trimming and/or removal of trees will be determined by Residential Security) determination is solely dependent on the level of obstruction. (Continued)

Requirements: Razor wire and Wall spikes shall be kept completely free of any and all; bushes, shrubs, climbing vines, ornamental trees or other foliage identified as obstructive or damaging to the security equipment. These shall be cut to a height not exceeding the height of the perimeter wall and maintained at that height.

Local Guard Force Support

- Deficiency: Guard booth base is too lower.
- Repair: Raise the base of guard booth another 2 feet and adjust stair steps as per site and standard. (07 days)

Specification:

Guard post foundation shall consist of solid brick measuring as per existing length and width. Mortar shall be applied to and underneath the brick with all gaps filled in.

Finish work: Finish work will consist of raking out excess mortar from the brick joints before the mortar curing (drying) takes place.

Additional Specification: Cement Plaster

Cement Plaster: Finished brick foundation shall be covered in Cement Plaster using a mix of (1:3) 1 part cement plaster and 3 parts sand. Allowable time for cement plaster curing shall be allotted before painting. * See Paint requirements.

Stairs: Stairs will measure 8 inches in depth and 12 inches in length. Height shall be a total of 8 inches.

Safety Hand Railing: Two (2) 42 inch high, 18 (SWG) Standard Wire Grade measuring 1 inch (Vertical) to 2 inches (Horizontal) in diameter, metal pipe railing shall be installed on both sides of the stairs and extend the full length of the stairs. Rail shall be firmly affixed at the top portion of the stair continuing to the bottom stair.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

* PAINT SPECIFICATION:

Requirements: Apply paint to all metal and exterior wall plaster with weather-proof paint of an approved (single) shade of color.

Specifications (Metal): All fabricated metal such as; Steel spike strip, clamps, bolts, supports- iron/steel, gate structure- interior/exterior and metal sheeting will be painted with a red oxide priming paint (to prevent rust) and painted with (3) coats of a weather- proof paint of an approved grade and shade.

Specifications (Plaster): Three coats of ICI or approved weather shield/proof paint shall be applied on a completely dry/cured pre-plastered surface. All areas of constructed surfaces shall be painted as specified.

House No 8:

Entry Gate and Parking:

- Deficiency : Main Gate bottom deadbolt requirement.
- Repair: Install one more bottom deadbolt at main gate. Make proper holes (both positions open and close) in the floor for bottom deadbolts of main gate. (07 days)

SPECIFICATION:

Dead bolts: Provide, fabricate and install two ¾ inch round and 15 inches long steel bars on Metal strip size 2 inch x 3/16 inch dead bolts at bottom of the Main gates. For closing the dead bolts, provide, fabricate and install 2 inch x 3/16 inch metal strips' rings in the concrete floor. Metal rings should be installed at Main gate's close and open both positions. All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

- Deficiency : Main Gate sliding bolt is weak.
- Repair: Remove and install new strong sliding bolt at main gate. (07 days)

SPECIFICATION:

Sliding bolt (Heavy duty lockable): Provide, fabricate and install one 1 inch round and 18 inches long steel bar on Metal strip 2 inch x 3/16 inches in center of the Main gate. All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

- Deficiency: There are four holds.
- Repair: Install 18 SWG metal sheet to cover the foot holds. (07 days)

Specification:

Metal Sheet: Provide and install 18 (SWG, MS) Standard Wire Gauge, metal sheet at outer side.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

- Deficiency: Left side of main gate is tilted.
- Repair: Repair the left side main gate. (07 days)

Specification:

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

- Deficiency: There is a gap between gate and gate pillar.
- Repair: Install metal pipe to cover the gap between gate and gate pillar. (07 days)

Specification:

Metal Pipe: Provide and install 18 (SWG, MS) Standard Wire Gauge, metal pipe round or square size 1", 2", 3" or 4" whichever is applied according to the gaps between gate and gate pillar.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

- Deficiency: Glass installed in the gate pillars is not secured.
- Repair: Install metal strips size 1"x3/16" to secure the glass. (07 days)

Specification:

Provide, fabricate and install metal strips size 1"x3/16" inches to make shorter the large gaps. All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

Perimeter:

Front wall:

- Deficiency: Spikes are loose.
- Repair: Install more fasteners and supports in the spikes as per specification. (07 days)

Specification:

Fabrication (Spike Support Bar): Support bar materials shall consist of ½" inch Solid Square M.S. (Mild Steel) 3' feet long bars consecutively affixed to the wall every 6' feet. The bar shall be welded in place, 6" inches from the top of every large nail spike or 7" inches. The 7" inch measurement falls directly below the 6" inch weld point of the affixed hook (Fishhook) spike.

Supports will be anchored to the wall utilizing two 4" inches Rawal bolts with drop in anchors (spot welded). The additional weld will be located at the top of the support connecting to the existing wall spike.

Spike Strip Anchoring (Fasteners): Anchors shall be (c/c) centered and consecutively affixed at no more than 18" inches on the left and right side of the strip. Anchors may also be affixed at 9" inch intervals, alternating from the left and right side every 9" inches. Anchor pins must be spot welded to steel tabs.

Welding Requirement: All steel work joints should be continuously welded.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

- Deficiency: Height and razor wire requirement.
- Repair: Height of a front wall portion is 6'-2". Install 27" inches diameter razor wire on this portion as per specification. (21 days)

Specification for Razor wire:

Install 27" to 30" inch diameter (730 millimeter) razor Wire, with manufacture included clips, attached to affixed supports with welded clamps.

Coil Width: Each coil stretched shall not exceed 6" inches per coil upon measuring.

Clamps: Support Clamps shall be welded (using a steel product that still allows closure of the clamps for razor wire support) to the wall spikes at an interval of every second coil which is every 12" inches or equaling 1' foot in distance.

Razor Wire Supports: Supports, Angle iron measuring 2" inches X 2" inches wide by 3/16" in thickness X 3' feet in length or (also acceptable) solid steel bars equaling 3' feet in length, shall be welded to the existing wall spike at 3' feet intervals. Heavy gauge wire shall be strung between the welded supports and through the razor wire coils for upper stability. .**Solid steel bars affixed and welded in place between supports, in place of Heavy Gauge Wire is an acceptable support alternative.

Welding Requirement: All steel work joints should be continuously welded.

*Paint: Razor wire is not to be painted. See additional paint requirements.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

- Deficiency: Gate pillars are accessible due to foot holds.
- Repair: Install razor wire on top of the gate pillar's spikes. (07 days)

Specification for Razor wire:

Install 27" to 30" inch diameter (730 millimeter) razor Wire, with manufacture included clips, attached to affixed supports with welded clamps.

Coil Width: Each coil stretched shall not exceed 6" inches per coil upon measuring.

Clamps: Support Clamps shall be welded (using a steel product that still allows closure of the clamps for razor wire support) to the wall spikes at an interval of every second coil which is every 12" inches or equaling 1' foot in distance.

Razor Wire Supports: Supports, Angle iron measuring 2" inches X 2" inches wide by 3/16" in thickness X 3' feet in length or (also acceptable) solid steel bars equaling 3' feet in length, shall be welded to the existing wall spike at 3' feet intervals. Heavy gauge wire shall be strung between the welded supports and through the razor wire coils for upper stability. .**Solid steel bars affixed and welded in place between supports, in place of Heavy Gauge Wire is an acceptable support alternative.

Welding Requirement: All steel work joints should be continuously welded.

*Paint: Razor wire is not to be painted. See additional paint requirements.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

- Deficiency: Wall is accessible due to electric/gas meter and phone pole.

- Repair: Install razor wire on all these points. (07 days)

Specification for Razor wire:

Install 27" to 30" inch diameter (730 millimeter) razor Wire, with manufacture included clips, attached to affixed supports with welded clamps.

Coil Width: Each coil stretched shall not exceed 6" inches per coil upon measuring.

Clamps: Support Clamps shall be welded (using a steel product that still allows closure of the clamps for razor wire support) to the wall spikes at an interval of every second coil which is every 12" inches or equaling 1' foot in distance.

Razor Wire Supports: Supports, Angle iron measuring 2" inches X 2" inches wide by 3/16" in thickness X 3' feet in length or (also acceptable) solid steel bars equaling 3' feet in length, shall be welded to the existing wall spike at 3' feet intervals. Heavy gauge wire shall be strung between the welded supports and through the razor wire coils for upper stability. .**Solid steel bars affixed and welded in place between supports, in place of Heavy Gauge Wire is an acceptable support alternative.

Welding Requirement: All steel work joints should be continuously welded.

*Paint: Razor wire is not to be painted. See additional paint requirements.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

- Deficiency: Few steel nails are missing.

- Repair: Install steel nails in missing area. (07 days)

Specification:

Provide and install M.S. (Mild Steel) fixed anti-climb spikes nails. Materials shall consist of 1/2" inch Solid Square M.S. (Mild Steel) bars (c/c) centered and consecutively affixed at 6"inch.

Nails shall be 6" inches in height. The base of the nails will be square and the top of the manufactured nail shall be tapered to a point.

Welding Requirement: All steel work joints should be continuously welded.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

Right wall:

- Deficiency: Spikes are loose.

- Repair: Install more supports and fastners in the spikes as per specification. (07 days)

Specification:

Fabrication (Spike Support Bar): Support bar materials shall consist of 1/2" inch Solid Square M.S. (Mild Steel) 3' feet long bars consecutively affixed to the wall every 6' feet. The bar shall be welded in place, 6" inches from the

top of every large nail spike or 7" inches. The 7" inch measurement falls directly below the 6" inch weld point of the affixed hook (Fishhook) spike.

Supports will be anchored to the wall utilizing two 4" inches Rawal bolts with drop in anchors (spot welded). The additional weld will be located at the top of the support connecting to the existing wall spike.

Spike Strip Anchoring (Fasteners): Anchors shall be (c/c) centered and consecutively affixed at no more than 18" inches on the left and right side of the strip. Anchors may also be affixed at 9" inch intervals, alternating from the left and right side every 9" inches. Anchor pins must be spot welded to steel tabs.

Welding Requirement: All steel work joints should be continuously welded.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

Left Wall:

- Deficiency: Spikes are loose.

- Repair: Install more supports and fasteners in the spikes as per specification. (07 days)

Specification:

Fabrication (Spike Support Bar): Support bar materials shall consist of 1/2" inch Solid Square M.S. (Mild Steel) 3' feet long bars consecutively affixed to the wall every 6' feet. The bar shall be welded in place, 6" inches from the top of every large nail spike or 7" inches. The 7" inch measurement falls directly below the 6" inch weld point of the affixed hook (Fishhook) spike.

Supports will be anchored to the wall utilizing two 4" inches Rawal bolts with drop in anchors (spot welded). The additional weld will be located at the top of the support connecting to the existing wall spike.

Spike Strip Anchoring (Fasteners): Anchors shall be (c/c) centered and consecutively affixed at no more than 18" inches on the left and right side of the strip. Anchors may also be affixed at 9" inch intervals, alternating from the left and right side every 9" inches. Anchor pins must be spot welded to steel tabs.

Welding Requirement: All steel work joints should be continuously welded.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

- Deficiency: Wall is accessible due to neighbor's rocks and trees.

- Repair: Install 27" inches diameter razor wire on these points as per specification. (21 days)

Specification for Razor wire:

Install 27" to 30" inch diameter (730 millimeter) razor Wire, with manufacture included clips, attached to affixed supports with welded clamps.

Coil Width: Each coil stretched shall not exceed 6" inches per coil upon measuring.

Clamps: Support Clamps shall be welded (using a steel product that still allows closure of the clamps for razor wire support) to the wall spikes at an interval of every second coil which is every 12" inches or equaling 1' foot in distance.

Razor Wire Supports: Supports, Angle iron measuring 2" inches X 2" inches wide by 3/16" in thickness X 3' feet in length or (also acceptable) solid steel bars equaling 3' feet in length, shall be welded to the existing wall spike at 3' feet intervals. Heavy gauge wire shall be strung between the welded supports and through the razor wire coils for

upper stability. .**Solid steel bars affixed and welded in place between supports, in place of Heavy Gauge Wire is an acceptable support alternative.

Welding Requirement: All steel work joints should be continuously welded.

*Paint: Razor wire is not to be painted. See additional paint requirements.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

Back Wall:

- Deficiency: Spikes are loose.
- Repair: Install more supports and fastners in the spikes as per specification. (07 days)

Specification:

Fabrication (Spike Support Bar): Support bar materials shall consist of ½” inch Solid Square M.S. (Mild Steel) 3’ feet long bars consecutively affixed to the wall every 6’ feet. The bar shall be welded in place, 6” inches from the top of every large nail spike or 7” inches. The 7” inch measurement falls directly below the 6” inch weld point of the affixed hook (Fishhook) spike.

Supports will be anchored to the wall utilizing two 4” inches Rawal bolts with drop in anchors (spot welded). The additional weld will be located at the top of the support connecting to the existing wall spike.

Spike Strip Anchoring (Fasteners): Anchors shall be (c/c) centered and consecutively affixed at no more than 18” inches on the left and right side of the strip. Anchors may also be affixed at 9” inch intervals, alternating from the left and right side every 9” inches. Anchor pins must be spot welded to steel tabs.

Welding Requirement: All steel work joints should be continuously welded.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

- Deficiency: Razor wire requirement.
- Repair: Install 27” inches diameter razor wire on left rear conrer due to tree access point as per specification. (21 days)

Specification for Razor wire:

Install 27” to 30” inch diameter (730 millimeter) razor Wire, with manufacture included clips, attached to affixed supports with welded clamps.

Coil Width: Each coil stretched shall not exceed 6” inches per coil upon measuring.

Clamps: Support Clamps shall be welded (using a steel product that still allows closure of the clamps for razor wire support) to the wall spikes at an interval of every second coil which is every 12” inches or equaling 1’ foot in distance.

Razor Wire Supports: Supports, Angle iron measuring 2” inches X 2” inches wide by 3/16” in thickness X 3’ feet in length or (also acceptable) solid steel bars equaling 3’ feet in length, shall be welded to the existing wall spike at 3’ feet intervals. Heavy gauge wire shall be strung between the welded supports and through the razor wire coils for upper stability. .**Solid steel bars affixed and welded in place between supports, in place of Heavy Gauge Wire is an acceptable support alternative.

Welding Requirement: All steel work joints should be continuously welded.

*Paint: Razor wire is not to be painted. See additional paint requirements.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

Unobstructed view:

- Deficiency: Trimming of shrubs and trees.
- Repair: Trimming of shrubs and trees required all around the fence. (07 days)

Specification:

Requirements: All bushes, shrubs, climbing vines, ornamental trees or other foliage identified as obstructive, shall be cut to a height not exceeding the height of the perimeter wall and maintained at that height.

**Some trees may have to be heavily trimmed or removed (trimming and/or removal of trees will be determined by Residential Security) determination is solely dependent on the level of obstruction. (Continued)

Requirements: Razor wire and Wall spikes shall be kept completely free of any and all; bushes, shrubs, climbing vines, ornamental trees or other foliage identified as obstructive or damaging to the security equipment. These shall be cut to a height not exceeding the height of the perimeter wall and maintained at that height.

Local Guard Force Support:

- Deficiency: Guard booth foundation is not as per security specification.
- Repair: Raise the foundation another 18" inches and readjust the stair steps to meet the required level. (07 days)

Specification:

Guard post foundation shall consist of solid brick measuring as per existing length and width. Mortar shall be applied to and underneath the brick with all gaps filled in.

Finish work: Finish work will consist of raking out excess mortar from the brick joints before the mortar curing (drying) takes place.

Additional Specification: Cement Plaster

Cement Plaster: Finished brick foundation shall be covered in Cement Plaster using a mix of (1:3) 1 part cement plaster and 3 parts sand. Allowable time for cement plaster curing shall be allotted before painting. * See Paint requirements.

Stairs: Stairs will measure 8" inches in depth and 12" inches in length. Height shall be a total of 8" inches.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

- Deficiency: Guard booth stair hand railing requirement.
- Repair: Install guard booth stair handrailing. (07 days)

Specification:

Stairs: Stairs will measure 8" inches in depth and 12" inches in length. Height shall be a total of 8" inches.

Safety Hand Railing: Two (2) 42" inch high, 18 (SWG) Standard Wire Grade measuring 1" inch (Vertical) to 2" inches (Horizontal) in diameter, metal pipe railing shall be installed on both sides of the stairs and extend the full length of the stairs. Rail shall be firmly affixed at the top portion of the stair continuing to the bottom stair.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint

- Deficiency: Window holder requirement.
- Repair: Install window holders to open/close the windows. (07 days)

- Deficiency: Tower bolt requirement.
- Repair: Install tower bolt at outside of guard booth door. (07 days)

Specification:

Bolts: Top quality 6" inches long tower bolt shall be affixed, at out side of the opening edge of door.

* PAINT SPECIFICATION:

Requirements: Apply paint to all metal and exterior wall plaster with weather-proof paint of an approved (single) shade of color.

Specifications (Metal): All fabricated metal such as; Steel spike strip, clamps, bolts, supports- iron/steel, gate structure- interior/exterior and metal sheeting will be painted with a red oxide priming paint (to prevent rust) and painted with (3) coats of a weather- proof paint of an approved grade and shade.

Specifications (Plaster): Three coats of ICI or approved weather shield/proof paint shall be applied on a completely dry/cured pre-plastered surface. All areas of constructed surfaces shall be painted as specified.

ATTACHMENT # 5

SECOND STATEMENT OF WORK DS-Security Upgrades to Residences US EMBASSY ISLAMABAD

House No 1:

Exterior Lighting

- Deficiency: Security lights requirement on building corners.
- Repair: Install one security light at right middle corner and one at left front corner as per specification. (07days)

Specification: Requirement: Install and affix Double Fixture Flood Light housing and bulbs to building exterior.
Specification: (Double Fixture Flood Lights) Double Fixture Flood Light housing shall consist of a high quality PAR-38 (Parabolic Anodized Reflector, 38 eights of an inch) equaling a 4.75 inch diameter base. This houses an E27 (Edison 27mm) screw/twist in base 50/60 HZ (Hertz) energy saver bulb.

Additional Specifications:

Application Wiring: Double Fixture Flood Light Wiring shall consist of insulated 7/29 (7 wires/ 29 gauge) cables. Wiring shall each be individually run to the affixed, dedicated circuit breaker.

Cable color guideline is as follows: Red, Black and Green/Yellow cabling.

Wiring Insulation: Wiring insulation/housing shall consist of heavy duty, channel duct PVC (Poly-Vinyl Chloride plastic) of Beta quality or higher. This includes all PVC channel duct- connective accessory items.

Double Fixture Flood Light Switch: Each Double Fixture Flood Light shall connect to the separate individual light switches (One switch per. individual set). Each light switch shall be waterproof, housed in a PVC box and affixed to the wall.

Light Cover (If applicable): Light cover shall consist of a 14 SWG sheet with grounding wire and affixed above the Double Fixture Flood Light.

Double Fixture Flood Light Support/Base: Support Base shall consist of a painted wooden block, 6" inches L X 6" W in length and width and 1" inch or more thick. Screws shall be affixed at all four corners of the block for install.

Height Requirement: Double Fixture Floodlights are to be mounted on a residence with a minimum height placement of no less than 12' feet.

**NOTE: Exact location for floodlight and switch installation shall be provided by the Residential Security Office.

Exterior Doors

- Deficiency: Front entry door tower bolt does not lock.
- Repair: Repair the tower bolt of front entry door. (07days)

Specification:

All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: Hroizontal bolt requirement.
- Repair: Install one bottom bolt in horizontal direction at front entry door. (07days)

Specification:

Bolts: Top quality 10" inches long tower bolt shall be affixed, on the bottom of the opening edge of exterior doors.

- Deficiency: Right side exit, kitchen exit and front terrace exit doors bottom bolt do not lock and some are hard to slide.
- Repair: Repair the bottom bolt of right side exit, kitchen exit and front terrace exit doors. (07 days)

Specification:

All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

Windows

- Deficiency: Rawal bolts in all grills are not 18" inches on center.
- Repair: Install more rawal bolts in all grills as per specification. (07days)

Specification:

Grill and framework shall be affixed to the wall using 3/8" inch x 4" inch (Rawal) bolts with drop in expansion anchors. The 3/8" inch X 4" inch (Rawal) bolts with drop in expansion anchors will be affixed, centered (c/c) and is not to exceed 18" inches at each affixed point.

Note: All 3/8"inch X 4" inch (Rawal) bolts are to be welded permanently to the grill frame.

Finished grill with framework shall be firmly attached to the structure. No movement

In the grill anchoring should be apparent.

All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: Grill is loose.
- Repair: One left side grill is loose, install more rawal bolts in this grill to make it strengthen. (07 days)

Specification:

Grill and framework shall be affixed to the wall using 3/8" inch x 4" inch (Rawal) bolts with drop in expansion anchors. The 3/8" inch X 4" inch (Rawal) bolts with drop in expansion anchors will be affixed, centered (c/c) and is not to exceed 18" inches at each affixed point.

Note: All 3/8"inch X 4" inch (Rawal) bolts are to be welded permanently to the grill frame.

Finished grill with framework shall be firmly attached to the structure. No movement

In the grill anchoring should be apparent.

All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

Emergency Escape Devices

- Deficiency: All escape hatches do not have swing.
- Repair: Produce swing in all the escape hatches for quick opening. (07days)

Servicing and welding required for smooth opening of the escape devices and hatches.

All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: Safe haven (down stair) escape device handle is accessible.
- Repair: Install metal screen size 2' x 2' feet on escape device hatch are associated grill bars to protect the handle (07days)

Specification:

Thick Gauge Metal screen (10 SWG) required if the handle is installed within 3'feet of any glass window. All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: Metal sheet requirement for safe haven (up stair) escape device.
- Repair: Install new metal sheet size 2'x2' on safe haven (up stair) escape device to protect the locks. (07 days)

Specification:

The Escape Hatch shall additionally require an 18 Standard Wire Grade (SWG) sheet (welded) to cover lock area on hatch. All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

Safe Haven

- Deficiency: Safe haven (up stair) steel door dead bolt's are substandard.
- Repair: Replace the dead bolts from the steel door, and install new 15" inches dead bolts as per specification. (07 days)

Specification:

Dead Bolts: Two fabricated 16" x 3/4" inch heavy duty sliding fabricated deadbolts

Material: steel 3/4" round bar seating into 2" x 3/16" inch M.S. strips with angled iron safe plates. Safe plates design will be decided during site briefing according to site conditions.

Height requirement: Height requirement consists of a single steel bar affixed at 30" inches from the bottom edge of the door and a single steel bar affixed at 60" inches from the bottom edge of the door.

Note: If bars are to be seated into concrete: the drill depth must be a minimum of 2" inches.

All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

***PAINT SPECIFICATION**

Requirements: Apply paint to all metal and exterior wall plaster with weather-proof paint of an approved (single) shade of color.

Specifications (Metal): All fabricated metal such as; Steel spike strip, clamps, bolts, supports- iron/steel, gate structure- interior/exterior and metal sheeting will be painted with a red oxide priming paint (to prevent rust) and painted with (3) coats of a weather- proof paint of an approved grade and shade.

Specifications (Wood): Instructions are provided in; SR.NO. 5 Finishing Work. Specifications (Plaster): Three coats of ICI or approved weather shield/proof paint shall be applied on a completely dry/cured pre-plastered surface. All areas of constructed surfaces shall be painted as specified.

House No 2:

Exterior Doors

- Deficiency: Left rear bedroom exit door handle lock cylinder is not working.
- Repair: Repair the door cylinder of left rear bedroom. (07days)

Specification:

Provide and install a good quality cylinder in handle locked installed on the door. The cylinder must have inside knob operated and outside key operated.

Windows

- Deficiency: Rawal bolts required in few grills.
- Repair: Install more rawal bolts in left rear loose grill and few grills where the distance is more than 18 inches between rawal bolts. (07days)

Specification:

Grill and framework shall be affixed to the wall using 3/8" inch x 4" inch (Rawal) bolts with drop in expansion anchors. The 3/8" inch X 4" inch (Rawal) bolts with drop in expansion anchors will be affixed, centered (c/c) and is not to exceed 18" inches at each affixed point.

Note: All 3/8" inch X 4" inch (Rawal) bolts are to be welded permanently to the grill frame.

Finished grill with framework shall be firmly attached to the structure. No movement

In the grill anchoring should be apparent.

All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: Grill door hinges requirement.

- Repair: Install two more hinges same as existing installed hinges in rear lawn grill door. (07 days)

Specification:

Hinges are to be welded permanently to the frame.

All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: Rawal bolts are un welded.

- Repair: Weld the rawal bolts of one left side grill and one right side grill as per specification. (07days)

Specification:

All 3/8" inch X 4" inch (Rawal) bolts are to be welded permanently to the grill frame.

All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Repair: Install more rawal bolts in left rear loose grill and few grills where the distance is more than 18 inches between rawal bolts. (07days)

Specification:

Grill and framework shall be affixed to the wall using 3/8" inch x 4" inch (Rawal) bolts with drop in expansion anchors. The 3/8" inch X 4" inch (Rawal) bolts with drop in expansion anchors will be affixed, centered (c/c) and is not to exceed 18" inches at each affixed point.

Note: All 3/8"inch X 4" inch (Rawal) bolts are to be welded permanently to the grill frame.

Finished grill with framework shall be firmly attached to the structure. No movement

In the grill anchoring should be apparent.

All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: Grill door hinges requirement.

- Repair: Install two more hinges same as existing installed hinges in rear lawn grill door. (07 days)

Specification:

Hinges are to be welded permanently to the frame.

All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: Rawal bolts are un welded.

- Repair: Weld the rawal bolts of one left side grill and one right side grill as per specification. (07days)

Specification:

All 3/8"inch X 4" inch (Rawal) bolts are to be welded permanently to the grill frame.

All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

Emergency Escape Devices

- Deficiency: Escape hatches do not have swing.

- Repair: Produce swing in all the escape hatches for quick opening. (07 days)

Specification:

Servicing and welding required for smooth opening of the escape devices and hatches.

All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

Safe Haven

- Deficiency: Safe haven steel door requirement.

- Repair: Install one more hinge same as existing installed hinges in safe haven steel doors as per specification. (07 days)

Specification:

Hinges are to be layer welded permanently to the frame.

All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

***PAINT SPECIFICATION**

Requirements: Apply paint to all metal and exterior wall plaster with weather-proof paint of an approved (single) shade of color.

Specifications (Metal): All fabricated metal such as; Steel spike strip, clamps, bolts, supports- iron/steel, gate structure- interior/exterior and metal sheeting will be painted with a red oxide priming paint (to prevent rust) and painted with (3) coats of a weather- proof paint of an approved grade and shade.

Specifications (Wood): Instructions are provided in; SR.NO. 5 Finishing Work. Specifications (Plaster): Three coats of ICI or approved weather shield/proof paint shall be applied on a completely dry/cured pre-plastered surface. All areas of constructed surfaces shall be painted as specified.

House No 3:

Exterior Door

- Deficiency: Door bell requirement.

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Top quality 10" long tower bolt shall be affixed, on the bottom of the opening edge of the doors. All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: Kitchen exit door tower bolt is hard.

- Repair: Repair the tower bolt of kitchen exit door. (07 days)

Specification:

All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: Door viewer requirement.

- Repair: Install door viewer at laundry exit door. (07 days)

Repair: Install new door bell, switch should be near the front entry door. (07days)

Specification:

A functional doorbell shall be installed (to include electrical wiring) at the main entry point of the home. All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: Horizontal bolt requirement.

- Repair: Install one bottom bolt in horizontal direction at front entry and kitchen exit doors. (07 days)

Specification:

Specification:

Door viewer must have an unobscured 190 degree view, affixed and centered at a height of 60" inches measured from the bottom of the door. Door viewer will be installed after final finishing work is complete on the door.

All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

Windows

- Deficiency: Rawal bolts in all grills are not 18" inches on center.

- Repair: Install more rawal bolts in few grills and grill door frames as per specification. (07days)

Specification:

Grill and framework shall be affixed to the wall using 3/8" inch x 4" inch (Rawal) bolts with drop in expansion anchors. The 3/8" inch X 4" inch (Rawal) bolts with drop in expansion anchors will be affixed, centered (c/c) and is not to exceed 18" inches at each affixed point.

Note: All 3/8" inch X 4" inch (Rawal) bolts are to be welded permanently to the grill frame.

Finished grill with framework shall be firmly attached to the structure. No movement

In the grill anchoring should be apparent.

All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: Grill door hinges and metal sheet requirement.

- Repair: Install two more hinges for strengthen and new metal sheet 2'x2' feet to protect the padlock in 03 grill doors as per specification. (07 days)

Specification:

Hinges are to be welded permanently to the frame. The grill doors shall additionally require an 18 Standard Wire Grade (SWG) sheet (welded) to cover pad lock area.

All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: Kitchen door handle lock is accessible.

- Repair: Install metal screen size 2' x 2' to protect the kitchen door handle lock. (07days)

Specification:

Thick Gauge Metal screen required if the lock is installed within 3' feet of any glass window. All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: One rear grill rawal bolts are un welded.

- Repair: Weld the rawal bolts of one rear grill as per specification. (07days)

Specification:

All 3/8" inch X 4" inch (Rawal) bolts are to be welded permanently to the grill frame.

All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: Few grill bars welding requirement.

- Repair: Few grill need welding at intersections joints as per specification. (07 days)

Specification:

Grill shall be fully welded to the grill frame and fully welded at all joints and intersecting points.

All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

Emergency Escape Devices

- Deficiency: Escape devices lock is unprotected.

- Repair: Install U clamps on all escape devices to protect the locks. (07 days)

Specification:

Escape device lock additionally require (U clamp) U shaped piece of 18 SWG metal sheet to cover the gaps around escape device lock. All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: Escape hatches do not have swing.

- Repair: Produce swing in all the escape hatches for its quick opening. (07 days)

Specification:

Servicing and welding required for smooth opening of the escape devices and hatches.

All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: Escape device handle is not protected in left middle and left rear bedrooms.
- Repair: Install metal screen size 2' x 2' (both sides of handle) on grills to protect the handles. (07 days)

Specification:

Thick Gauge Metal screen (10 SWG) required if the handle is installed within 3' feet of any glass window. All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: Left rear bedroom escape device wire is open.
- Repair: Install pipe to cover the wire of escape device in left rear bedroom. (07 days)

Specification:

Escape device lever shall require a metal pipe spot welded to metal clamps on both ends to fully cover escape device wiring. All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

Safe Haven door:

- Deficiency: Safe haven steel door requirement.
- Repair: Install one more hinges in each door same as existing hinges installed in safe haven steel doors as per specification. (07 days)

Specification:

Hinges are to be layer welded permanently to the frame.

All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: Safe haven steel door viewer is blurry.
- Repair: Remove and install new door viewer in safe haven steel door. (07 days)

Specification:

Door viewer must have an unobscured 190 degree view, affixed and centered at a height of 60" inches measured from the bottom of the door. Door viewer will be installed after final finishing work is complete on the door. All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: Safe haven steel door frame rawal bolts are not as per security standards.
- Repair: Install 3 more rawal bolts in safe haven steel door frame as per specification. (07 days)

Specification:

Door shall be affixed to the completed doorframe with heavy duty hinges using 6" x 10mm Rawal bolts. All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

***PAINT SPECIFICATION**

Requirements: Apply paint to all metal and exterior wall plaster with weather-proof paint of an approved (single) shade of color.

Specifications (Metal): All fabricated metal such as; Steel spike strip, clamps, bolts, supports- iron/steel, gate structure- interior/exterior and metal sheeting will be painted with a red oxide priming paint (to prevent rust) and painted with (3) coats of a weather- proof paint of an approved grade and shade.

Specifications (Wood): Instructions are provided in; SR.NO. 5 Finishing Work. Specifications (Plaster): Three coats of ICI or approved weather shield/proof paint shall be applied on a completely dry/cured pre-plastered surface. All areas of constructed surfaces shall be painted as specified.

House No 4:

Exterior Doors

- Deficiency: Front entry door bottom bolt required.
- Repair: Install a bottom bolt at front entry door. (07days)

Specification:

Top quality 10" long tower bolt shall be affixed, on the bottom of the opening edge of the doors. All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: Door viewers are blurry.
- Repair: Replace the door viewers of front entry and safe heaven's door as per specification. (07 days)

Specification:

Door viewer must have an unobscured 190 degree view, affixed and centered at a height of 60" inches measured from the bottom of the door. Door viewer will be installed after final finishing work is complete on the door. All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

Windows

- Deficiency: Grill requirement for exhaust fan opening.
- Repair: Install a grill on two kitchen exhaust fan opening and one upstairs right side exhaust fan opening as per specification. (07 days)

Specification:

Requirement: Provide, fabricate, affix, and align.

Specifications: Mild Steel (M.S.) grill consisting of square ½" solid steel bars.

Bars are to be centered (c/c) and consecutively affixed at 6" horizontally and 6" vertically. (Creating a pattern similar to the number symbol, for example: #)

Note: Grill shall be fully welded to the grill frame and fully welded at all joints and intersecting points.

Grill Framework: (What the grill is affixed to)

Framework shall consist of Angled Mild Steel (M.S.) strips; measuring 2" inch x 2" inch x 3/16" inch or a solid steel flat strip measuring 2" inch x 3/16" inches (dependent on individual site requirement). Steel strips shall be affixed horizontally and vertically around all windows, ventilators or fans to create the grill framework. The edge of the framework should measure 2" inch distance from the edge of all windows, window casements, ventilators and fans. This is to ensure the integrity of the concrete/mortar when bolts are affixed.

Anchoring: (How the frame is affixed to the wall)

Grill and framework shall be affixed to the wall using 3/8" inch x 4" inch (Rawal) bolts with drop in expansion anchors. The 3/8" inch X 4" inch (Rawal) bolts with drop in expansion anchors will be affixed, centered (c/c) and is not to exceed 18" inches at each affixed point. (Approximated: every three squares of the grill) (Continued)

Note: All 3/8" inch X 4" inch (Rawal) bolts are to be welded permanently to the grill frame.

Finished grill with framework shall be firmly attached to the structure. No movement

In the grill anchoring should be apparent.

All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: Grill doors hinge requirement.
- Repair: Install one more hinge at all grill doors to make them strengthen. (07 days)

Specification:

Hinges are to be welded permanently to the frame. All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: Grill doors pad lock protection requirement.
- Repair: Install metal sheets size 2'x2' feet at all grill doors to secure the pad locks. (07 days)

Specification:

The grill doors shall additionally require an 18 Standard Wire Grade (SWG) sheet (welded) to cover pad lock area. All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: Grill door frames welding requirements.
- Repair: All grill doors need more welding at adjacent side with window grills as per specification. (07 days)

Specification:

Grill shall be fully welded to the grill frame and fully welded at all joints and intersecting points. All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: Welding at intersections of grills requirements.
- Repair: Weld at grill bars intersections is required as per specification. (07 days)

Specification:

Grill shall be fully welded to the grill frame and fully welded at all joints and intersecting points. All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: Rawal bolts are not 18" inches on center.
- Repair: Install more rawal bolts on window grills/grill door frames as per specification. (07 days)

Specification:

Grill and framework shall be affixed to the wall using 3/8" inch x 4" inch (Rawal) bolts with drop in expansion anchors. The 3/8" inch X 4" inch (Rawal) bolts with drop in expansion anchors will be affixed, centered (c/c) and is not to exceed 18" inches at each affixed point.

Note: All 3/8"inch X 4" inch (Rawal) bolts are to be welded permanently to the grill frame.

Finished grill with framework shall be firmly attached to the structure. No movement

In the grill anchoring should be apparent.

All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

Emergency Escape Devices

- Deficiency: Escape device swing requirements.
- Repair: Create the swing in escape device of front right room (upstairs). (07 days)

Specification:

Servicing and welding required for smooth opening of the escape devices and hatches.

All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: "U" clamps requirements.
- Repair: Install U clamps on lock of all escape devices. (07 days)

Specification:

Escape device lock additionally require (U clamp) U shaped piece of 18 SWG metal sheet to cover the gaps around escape device lock. All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: Escape device wire pipe requirements.
- Repair: Install wire pipes for all escape devices. (07 days)

Specification:

Escape device lever shall require a metal pipe spot welded to metal clamps on both ends to fully cover escape device wiring. All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

Safe Haven

- Deficiency: Door hinge requirements.
- Repair: Install one more door hinge in each door same as existing hinges installed in safe haven steel doors. (07 days)

Specification:

Hinges are to be layer welded permanently to the frame.

All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

***PAINT SPECIFICATION**

Requirements: Apply paint to all metal and exterior wall plaster with weather-proof paint of an approved (single) shade of color.

Specifications (Metal): All fabricated metal such as; Steel spike strip, clamps, bolts, supports- iron/steel, gate structure- interior/exterior and metal sheeting will be painted with a red oxide priming paint (to prevent rust) and painted with (3) coats of a weather- proof paint of an approved grade and shade.

Specifications (Wood): Instructions are provided in; SR.NO. 5 Finishing Work. Specifications (Plaster): Three coats of ICI or approved weather shield/proof paint shall be applied on a completely dry/cured pre-plastered surface. All areas of constructed surfaces shall be painted as specified.

House No 5:

Exterior Doors

- Deficiency: Door bell is not in working order.
- Repair: Repair/replace the door bell. (07 days)

Specification:

A functional doorbell shall be installed (to include electrical wiring) at the main entry point of the home. All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: Door viewers are blurry.
- Repair: Replace the door viewers of safe heaven door as per specification. (07 days)

Specification:

Door viewer must have an unobscured 190 degree view, affixed and centered at a height of 60” inches measured from the bottom of the door. Door viewer will be installed after final finishing work is complete on the door.

All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

Windows

- Deficiency: Window grills needs welding at intersections.
- Repair: All window/door grills need welding at intersections as per specification. (07days).

Specification:

Grill shall be fully welded to the grill frame and fully welded at all joints and intersecting points.

All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: Grill doors hinge requirement.
- Repair: Install one more hinge at all grill doors to make them strengthen. (07 days)

Specification:

Hinges are to be welded permanently to the frame. All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: Rawal bolts are not 18" inches on center.
- Repair: Install more rawal bolts on window grills/grill door frames as per specification. (07 days)

Specification:

Grill and framework shall be affixed to the wall using 3/8" inch x 4" inch (Rawal) bolts with drop in expansion anchors. The 3/8" inch X 4" inch (Rawal) bolts with drop in expansion anchors will be affixed, centered (c/c) and is not to exceed 18" inches at each affixed point.

Note: All 3/8"inch X 4" inch (Rawal) bolts are to be welded permanently to the grill frame.

Finished grill with framework shall be firmly attached to the structure. No movement

In the grill anchoring should be apparent.

All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: Grill doors pad lock protection requirement.
- Repair: Install metal sheets size 2'x2' feet at all grill doors to secure the pad locks. (07 days)

Specification:

The grill doors shall additionally require an 18 Standard Wire Grade (SWG) sheet (welded) to cover pad lock area.

All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: Grill door frames welding requirements.
- Repair: All grill doors need more welding at adjacent side with window grills as per specification. (07 days)

Specification:

Grill shall be fully welded to the grill frame and fully welded at all joints and intersecting points.

All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

Emergency Escape Devices

- Deficiency: Right front bedroom escape device handle is accessible.
- Repair: Install metal screen size 3'x1'feet on escape device of upstairs right front bedroom as per specification. (07days)

Specification:

Thick Gauge Metal screen (10 SWG) required if the handle is installed within 3'feet of any glass window. All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: Escape device handle is accessible in up stair left rear bedroom.
- Repair: Install metal screen size 4'x2' feet on escape device of up stair left rear bedroom as per specification. (07days)

Specification:

Thick Gauge Metal screen (10 SWG) required if the handle is installed within 3'feet of any glass window. All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: Escape device lock protection requirements.
- Repair: Install metal sheet size 2'x2' feet on escape devices of up stair left rear bedroom as per specification. (07days)

Specification:

The grill doors shall additionally require an 18 Standard Wire Grade (SWG) sheet (welded) to cover pad lock area. All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

Safe Haven

- Deficiency: Safe haven steel door need one more hinge.
- Repair: Install one more hinge on steel door of safe haven as per specification. (07 days)

Specification:

Hinges are to be layer welded permanently to the frame.

All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: Safe haven steel door dead bolts welding requirement.
- Repair: Layer welding is required on dead bolts of steel door as per specification. (07 days)

Specification:

Dead bolts base plates are to be layer welded permanently to the door structure.

All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

***PAINT SPECIFICATION**

Requirements: Apply paint to all metal and exterior wall plaster with weather-proof paint of an approved (single) shade of color.

Specifications (Metal): All fabricated metal such as; Steel spike strip, clamps, bolts, supports- iron/steel, gate structure- interior/exterior and metal sheeting will be painted with a red oxide priming paint (to prevent rust) and painted with (3) coats of a weather- proof paint of an approved grade and shade.

Specifications (Wood): Instructions are provided in; SR.NO. 5 Finishing Work. Specifications (Plaster): Three coats of ICI or approved weather shield/proof paint shall be applied on a completely dry/cured pre-plastered surface. All areas of constructed surfaces shall be painted as specified.

House No 6:

Exterior Doors

- Deficiency: Kitchen exit door bottom bolt is hard.
- Repair: Repair the bottom bolt of kitchen exit door. (07 days)

Specification:

All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: Door viewer requirement.
- Repair: Install door viewer at laundry exit door. (07 days)

Specification:

Door viewer must have an unobscured 190 degree view, affixed and centered at a height of 60" inches measured from the bottom of the door. Door viewer will be installed after final finishing work is complete on the door. All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

Windows

- Deficiency: Grills required on exhaust holes and bathroom window.
Repair: Install new grills on two exhaust fan holes and one bath room window as per specification. (07 days)

Specification:

Requirement: Provide, fabricate, affix, and align.

Specifications: Mild Steel (M.S.) grill consisting of square ½" solid steel bars.

Bars are to be centered (c/c) and consecutively affixed at 6" horizontally and 6" vertically. (Creating a pattern similar to the number symbol, for example: #)

Note: Grill shall be fully welded to the grill frame and fully welded at all joints and intersecting points.

Grill Framework: (What the grill is affixed to)

Framework shall consist of Angled Mild Steel (M.S.) strips; measuring 2" inch x 2" inch x 3/16" inch or a solid steel flat strip measuring 2" inch x 3/16" inches (dependent on individual site requirement). Steel strips shall be affixed horizontally and vertically around all windows, ventilators or fans to create the grill framework. The edge of the framework should measure 2" inch distance from the edge of all windows, window casements, ventilators and fans. This is to ensure the integrity of the concrete/mortar when bolts are affixed.

Anchoring: (How the frame is affixed to the wall)

Grill and framework shall be affixed to the wall using 3/8" inch x 4" inch (Rawal) bolts with drop in expansion anchors. The 3/8" inch X 4" inch (Rawal) bolts with drop in expansion anchors will be affixed, centered (c/c) and is not to exceed 18" inches at each affixed point. (Approximated: every three squares of the grill) (Continued)

Note: All 3/8"inch X 4" inch (Rawal) bolts are to be welded permanently to the grill frame.

Finished grill with framework shall be firmly attached to the structure. No movement

In the grill anchoring should be apparent.

All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: Rawal bolts in few grills are not 18" inches on center.
- Repair: Install more rawal bolts in these grills and grill door frames as per specification. (07days)

Specification:

Grill and framework shall be affixed to the wall using 3/8" inch x 4" inch (Rawal) bolts with drop in expansion anchors. The 3/8" inch X 4" inch (Rawal) bolts with drop in expansion anchors will be affixed, centered (c/c) and is not to exceed 18" inches at each affixed point.

Note: All 3/8" inch X 4" inch (Rawal) bolts are to be welded permanently to the grill frame.

Finished grill with framework shall be firmly attached to the structure. No movement

In the grill anchoring should be apparent.

All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: Grill door hinges requirement.
- Repair: Install two more hinges in all grill doors. (07 days)

Specification:

Hinges are to be welded permanently to the frame. All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: Metal sheet welding requirement.
- Repair: More weld the metal sheet installed to protect the pad lock on grill doors. (07days)

Specification:

Metal sheets are to be spot welded permanently to the frame. All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

Emergency Escape Devices

- Deficiency: Escape devices are substandard.
- Repair: Replace existing three escape devices with new devices as per specification. (07 days)

Specification:

Requirement: Provide, fabricate, align and affix in position the escape hatch door, escape hatch door frame, latching devices and wiring.

Specifications: (Escape Hatch Door) Angled Mild Steel (M.S.) measuring 24" inches in width by 36" inches in height with 1" inch X 1" inch X 3/16" inch affixed to and surrounding the hatch door.

Escape Hatch Door Frame: (What the escape hatch door is affixed to)

The Escape hatch door frame shall consist of Angled Mild Steel (M.S.) measuring 1 1/4" inch X 1 1/4" inch X 3/16" inches, built to accommodate hatch door.

Escape Hatch Door: The Escape hatch door frame-out shall consist of Angled Mild Steel (M.S.) measuring 1" inch X 1" inch X 3/16" inches. Height and width requirement shall consist of 2' feet wide X 3' feet high grill work. This shall consist of Mild Steel (M.S.) grill, square 1/2" solid steel bars.

Bars are to be centered (c/c) and consecutively affixed at 6" horizontally and 6" vertically. (Creating a pattern similar to the number symbol, for example: #)

Bars shall be fully welded at every intersecting point

Additional Requirements: Escape Device Lever, Escape Hatch and Lock

The Escape Hatch shall additionally require an 18 Standard Wire Grade (SWG) sheet (welded) to cover wired area and 2'x2' feet on lock area on hatch. Thick Gauge Metal screen required if the handle is installed within 3' feet of any glass window. Escape device lock additionally require (U clamp) U shaped piece of 18 SWG metal sheet to cover the gaps around escape device lock.

Escape Device Lever: Escape device lever shall require a metal pipe spot welded to metal clamps on both ends to fully cover escape device wiring.

Metal pipe is to have complete coverage of wires with no movement after welding.

Note: Exact (Bedroom) location of Escape Device installation shall be determined and provided to the Land Lord/Contractor by the Residential Security Office.

All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: Escape hatches do not have swing.
- Repair: Produce swing in all the escape hatches for quick opening. (07 days)

Specification:

Servicing and welding required for smooth opening of the escape devices and hatches.

All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: Escape device handle is not protected in right middle bedroom.
- Repair: Install metal screen size 2' x 2' (both sides of handle) on grill to protect the handle. (07 days)

Specification:

Thick Gauge Metal screen (10 SWG) required if the handle is installed within 3' feet of any glass window. All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

Safe Haven

- Deficiency: Safe haven steel door requirement.
- Repair: Install one more hinge to safe haven steel doors as per specification. (07 days)

Specification:

Hinges are to be layer welded permanently to the frame.

All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

***PAINT SPECIFICATION**

Requirements: Apply paint to all metal and exterior wall plaster with weather-proof paint of an approved (single) shade of color.

Specifications (Metal): All fabricated metal such as; Steel spike strip, clamps, bolts, supports- iron/steel, gate structure- interior/exterior and metal sheeting will be painted with a red oxide priming paint (to prevent rust) and painted with (3) coats of a weather- proof paint of an approved grade and shade.

Specifications (Wood): Instructions are provided in; SR.NO. 5 Finishing Work. Specifications (Plaster): Three coats of ICI or approved weather shield/proof paint shall be applied on a completely dry/cured pre-plastered surface. All areas of constructed surfaces shall be painted as specified.

House No 7:

Exterior Doors

Deficiency:

- Front terrace exit door bottom bolt required.
- Repair: Install a bottom bolt at front terrace exit door. (07days)

Specification:

Top quality 10" long tower bolt shall be affixed, on the bottom of the opening edge of the doors. All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

Deficiency:

- Door viewers are blurry.
- Repair: Replace the door viewers of kitchen exit and left lawn exit door as per specification. (07 days)

Specification:

Door viewer must have an unobscured 190 degree view, affixed and centered at a height of 60" inches measured from the bottom of the door. Door viewer will be installed after final finishing work is complete on the door. All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

Windows

- Deficiency: Welding on rawal bolts required.
- Repair: Weld the rawal bolts with grill frame of one exhaust fan grill at left side as per specification. (07 days)

Specification:

All 3/8" inch X 4" inch (Rawal) bolts are to be welded permanently to the grill frame. Finished grill with framework shall be firmly attached to the structure. No movement

In the grill anchoring should be apparent.

All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: Grill doors hinge requirement.
- Repair: Install one more hinge in all grill doors to make them strengthen. (07 days)

Specification:

Hinges are to be welded permanently to the frame. All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: Grill doors pad lock protection requirement.
- Repair: Install metal sheets size 2'x2' feet at all grill doors to secure the pad locks. (07 days)

Specification:

The grill doors shall additionally require an 18 Standard Wire Grade (SWG) sheet (welded) to cover pad lock area.

All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: Incomplete strips of balcony grill.
- Repair: Complete the strip at bottom corners of back lawn exit grill as per specification. (07 days)

Specification:

Grill shall be fully welded to the grill frame and fully welded at all joints and intersecting points.

Grill Framework: (What the grill is affixed to)

Framework shall consist of Angled Mild Steel (M.S.) strips; measuring 2" inch x 2" inch x 3/16" inch or a solid steel flat strip measuring 2" inch x 3/16" inches (dependent on individual site requirement). Steel strips shall be affixed horizontally and vertically around all windows, ventilators or fans to create the grill framework. All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: Rawal bolts are not 18" inches on center.
- Repair: Install more rawal bolts in all grill door frames, kitchen grill, back lawn grill, few upstairs grills including balcony grills as per specification. (07 days)

Specification:

Grill and framework shall be affixed to the wall using 3/8" inch x 4" inch (Rawal) bolts with drop in expansion anchors. The 3/8" inch X 4" inch (Rawal) bolts with drop in expansion anchors will be affixed, centered (c/c) and is not to exceed 18" inches at each affixed point.

Note: All 3/8" inch X 4" inch (Rawal) bolts are to be welded permanently to the grill frame.

Finished grill with framework shall be firmly attached to the structure. No movement

In the grill anchoring should be apparent.

All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

Escape Devices

- Deficiency: Escape device requirements.
- Repair: Install an escape device in downstairs bedroom . (07 days)

Specification:

Requirement: Provide, fabricate, align and affix in position the escape hatch door, escape hatch door frame, latching devices and wiring.

Specifications: (Escape Hatch Door) Angled Mild Steel (M.S.) measuring 24" inches in width by 36" inches in height with 1" inch X 1" inch X 3/16" inch affixed to and surrounding the hatch door.

Escape Hatch Door Frame: (What the escape hatch door is affixed to)

The Escape hatch door frame shall consist of Angled Mild Steel (M.S.) measuring 1 1/4" inch X 1 1/4" inch X 3/16" inches, built to accommodate hatch door.

Escape Hatch Door: The Escape hatch door frame-out shall consist of Angled Mild Steel (M.S.) measuring 1" inch X 1" inch X 3/16" inches. Height and width requirement shall consist of 2' feet wide X 3' feet high grill work. This shall consist of Mild Steel (M.S.) grill, square 1/2" solid steel bars.

Bars are to be centered (c/c) and consecutively affixed at 6" horizontally and 6" vertically. (Creating a pattern similar to the number symbol, for example: #)

Bars shall be fully welded at every intersecting point

Additional Requirements: Escape Device Lever, Escape Hatch and Lock

The Escape Hatch shall additionally require an 18 Standard Wire Grade (SWG) sheet (welded) to cover wired area and 2'x2' feet on lock area on hatch. Thick Gauge Metal screen required if the handle is installed within 3' feet of any glass window. Escape device lock additionally require (U clamp) U shaped piece of 18 SWG metal sheet to cover the gaps around escape device lock.

Escape Device Lever: Escape device lever shall require a metal pipe spot welded to metal clamps on both ends to fully cover escape device wiring.

Metal pipe is to have complete coverage of wires with no movement after welding.

Note: Exact (Bedroom) location of Escape Device installation shall be determined and provided to the Land Lord/Contractor by the Residential Security Office.

All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: Escape device wire pipe protection requirements.

- Repair: Install 6" wide metal sheet to secure the wire pipe of escape device of front right bedroom . (07 days)

Specification:

The escape device wire shall additionally require an 18 Standard Wire Grade (SWG) sheet (welded) for protection.

All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: Escape devices lock protection requirements.

- Repair: Install metal sheet size 2'x2' feet at all escape devices(Except safe haven's) to secure the lock. (07 days)

Specification:

The escape device lock shall additionally require an 18 Standard Wire Grade (SWG) sheet (welded) for its protection.

All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: Escape device swing and service requirements.

- Repair: Create the swing in all escape devices and lubricate the handle and locks parts. (07 days)

Specification:

Servicing and welding required for smooth opening of the escape devices and hatches.

All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

Safe Haven

- Deficiency: Door hinge requirements.

- Repair: Install one more hinge in the door same as existing hinges installed in safe haven steel door as per specification. (07 days)

Specification:

Hinges are to be layer welded permanently to the frame.

All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

***PAINT SPECIFICATION**

Requirements: Apply paint to all metal and exterior wall plaster with weather-proof paint of an approved (single) shade of color.

Specifications (Metal): All fabricated metal such as; Steel spike strip, clamps, bolts, supports- iron/steel, gate structure- interior/exterior and metal sheeting will be painted with a red oxide priming paint (to prevent rust) and painted with (3) coats of a weather- proof paint of an approved grade and shade.

Specifications (Wood): Instructions are provided in; SR.NO. 5 Finishing Work. Specifications (Plaster): Three coats of ICI or approved weather shield/proof paint shall be applied on a completely dry/cured pre-plastered surface. All areas of constructed surfaces shall be painted as specified.

House No 08:

Exterior Lighting

- Deficiency: Security lights requirement on building corners.
- Repair: Install two security lights at right rear corner of servant room and two lights at left rear corner of servant room according to specification. (07days)

Specification:

Requirement: Install and affix Double Fixture Flood Light housing and bulbs to building exterior.

Specification: (Double Fixture Flood Lights) Double Fixture Flood Light housing shall consist of a high quality PAR-38 (Parabolic Anodized Reflector, 38 eights of an inch) equaling a 4.75 inch diameter base. This houses an E27 (Edison 27mm) screw/twist in base 50/60 HZ (Hertz) energy saver bulb. Additional Specifications: Application Wiring: Double Fixture Flood Light Wiring shall consist of insulated 7/29 (7 wires/ 29 gauge) cables. Wiring shall each be individually run to the affixed, dedicated circuit breaker. Cable color guideline is as follows: Red, Black and Green/Yellow cabling. Wiring Insulation: Wiring insulation/housing shall consist of heavy duty, channel duct PVC (Poly-Vinyl Chloride plastic) of Beta quality or higher. This includes all PVC channel duct- connective accessory items.

Double Fixture Flood Light Switch: Each Double Fixture Flood Light shall connect to the separate individual light switches (One switch per. individual set). Each light switch shall be waterproof, housed in a PVC box and affixed to the wall.

Light Cover (If applicable): Light cover shall consist of a 14 SWG sheet with grounding wire and affixed above the Double Fixture Flood Light.

Double Fixture Flood Light Support/Base: Support Base shall consist of a painted wooden block, 6" inches L X 6" W in length and width and 1" inch or more thick. Screws shall be affixed at all four corners of the block for install.

Height Requirement: Double Fixture Floodlights are to be mounted on a residence with a minimum height placement of no less than 12' feet.

**NOTE: Exact location for floodlight and switch installation shall be provided by the Residential Security Office.

Exterior Doors

- Deficiency: Kitchen exit, Left exit, front terrace, back terrace doors are hallow and substandard.
- Repair: Replace all doors with solid wooden doors as per specification. (07 days)

Specification:

Solid Core Wood Doors Requirement: Provide, fabricate, align and affix in position Solid Core Wooden Door and additional materials (i.e. hinges etc.).

Specification: Doors must consist of 8" inch wide X 1.5" inch thick Deodar (Termite resistant), solid wood planks for the full height of the door. The door/door planks must be planed and sanded for even texture and size. Top quality, full Teakwood ply sheets are to be applied on both sides of the door over the planks. This is also to include Teakwood beading around the entire door. Molding shall be applied to the frame area.

All work is to include; drilling, welding, sanding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

Additional Specifications: All wood materials being utilized for doors shall be machine pressed, glued and nailed together. Door specifications are still applicable.

Additional Requirements

Bolts: Two top quality tower bolts shall be affixed, one on the top and one on the bottom of the opening edge of all exterior doors

Locks: Top quality one side key entry deadbolt lock shall be installed. (Issued by Residential Security)

Door Handle Lock: Top/Best quality heavy duty 9" inch lock (single side key, other side knob) situated at a height of 42" inches to 44" inches from the bottom of the door (a different height can be waived dependent on the door size/ measurements).

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Brass Hardware: Application of top quality brass hardware to the door, consisting of; door stoppers, hinges, *kick plates and push plates (*affixed to the door if required).

Door Viewer: Door viewer must have an unobscured 190 degree view, affixed and centered at a height of 60" inches measured from the bottom of the door. Door viewer will be installed after final finishing work is complete on the door. (Continued)

Finishing Work: To include sanding and polishing (application of spirit or lacquer will be applied only after the door (wood) is Fully Dry.) to match existing door color. A darker wood stain is also acceptable. All brass work (i.e. hinges etc.) and hanging of the door shall take place only after full finish work is completed; painting/lacquering is complete and fully dry.

NOTE: Any Particle Wood, Pressed Wood/Board or Plywood products are considered unacceptable materials for use in door construction or existing construct.

- Deficiency: Door viewer requirement.
- Repair: Install door viewer at kitchen exit door. (07 days)

Specification:

Door viewer must have an unobscured 190 degree view, affixed and centered at a height of 60" inches measured from the bottom of the door. Door viewer will be installed after final finishing work is complete on the door. All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: Front terrace and back terrace door viewers are blurry.
- Repair: Remove and Install new door viewers at front terrace and back terrace doors. (07 days)

Specification:

Door viewer must have an unobscured 190 degree view, affixed and centered at a height of 60" inches measured from the bottom of the door. Door viewer will be installed after final finishing work is complete on the door. All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

Windows

- Deficiency: Grill requirement for kitchen window, ventilators and exhaust fan openings.
- Repair: Install a grill on one kitchen small window, two rear side ventilator and three exhaust fan openings as per specification. (07 days)

Specification:

Requirement: Provide, fabricate, affix, and align.

Specifications: Mild Steel (M.S.) grill consisting of square ½" solid steel bars.

Bars are to be centered (c/c) and consecutively affixed at 6" horizontally and 6" vertically. (Creating a pattern similar to the number symbol, for example: #)

Note: Grill shall be fully welded to the grill frame and fully welded at all joints and intersecting points.

Grill Framework:

(What the grill is affixed to). Framework shall consist of Angled Mild Steel (M.S.) strips; measuring 2" inch x 2" inch x 3/16" inch or a solid steel flat strip measuring 2" inch x 3/16" inches (dependent on individual site requirement). Steel strips shall be affixed horizontally and vertically around all windows, ventilators or fans to create the grill framework. The edge of the framework should measure 2" inch distance from the edge of all windows, window casements, ventilators and fans. This is to ensure the integrity of the concrete/mortar when bolts are affixed.

Anchoring: (How the frame is affixed to the wall)

Grill and framework shall be affixed to the wall using 3/8" inch x 4" inch (Rawal) bolts with drop in expansion anchors. The 3/8" inch X 4" inch (Rawal) bolts with drop in expansion anchors will be affixed, centered (c/c) and is not to exceed 18" inches at each affixed point. (Approximated: every three squares of the grill) (Continued)

Note: All 3/8"inch X 4" inch (Rawal) bolts are to be welded permanently to the grill frame.

Finished grill with framework shall be firmly attached to the structure. No movement

In the grill anchoring should be apparent.

All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: Rawal bolts in all grills are not 18" inches on center.

- Repair: Install more rawal bolts in all grills as per specification. (07days)

Specification:

Grill and framework shall be affixed to the wall using 3/8" inch x 4" inch (Rawal) bolts with drop in expansion anchors. The 3/8" inch X 4" inch (Rawal) bolts with drop in expansion anchors will be affixed, centered (c/c) and is not to exceed 18" inches at each affixed point.

Note: All 3/8"inch X 4" inch (Rawal) bolts are to be welded permanently to the grill frame.

Finished grill with framework shall be firmly attached to the structure. No movement in the grill anchoring should be apparent. All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: Grill door hinges and metal sheet requirement.

- Repair: Install two more hinges for strengthen and new metal sheet 2'x2' feet to protect the padlock in all grill doors as per specification. (07 days)

Specification:

Hinges are to be welded permanently to the frame. The grill doors shall additionally require an 18 Standard Wire Grade (SWG) sheet (welded) to cover pad lock area. All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

Emergency Escape Devices

- Deficiency: All escape hatches do not have swing.
- Repair: Produce swing in all the escape hatches for quick opening. (07days)

Specification:

Servicing and welding required for smooth opening of the escape devices and hatches.

All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: Safe haven escape device handle is accessible.
- Repair: Install metal screen size 1 ½' x 1 ½' feet (both sides of handle) on escape device to protect the handle (07days)

Specification:

Thick Gauge Metal screen (10 SWG) required if the handle is installed within 3'feet of any glass window. All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

- Deficiency: Front (up stair) bedroom escape device wire is open.
- Repair: Install pipe to cover the wire of escape device in front (up stair) bedroom. (07 days)

Specification:

Escape device lever shall require a metal pipe spot welded to metal clamps on both ends to fully cover escape device wiring. All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

Safe Haven

- Deficiency: Door hinge requirements.
- Repair: Install one more door hinge in steel door same as existing hinges installed in safe haven steel door. (07 days)

Specification:

Hinges are to be layer welded permanently to the frame.

All work is to include; drilling, welding, grinding, damage repair, finishing work and painting, to include but not limited to any additional work required for attainment of security standards. *Paint: requirements listed under Paint.

***PAINT SPECIFICATION**

Requirements: Apply paint to all metal and exterior wall plaster with weather-proof paint of an approved (single) shade of color.

Specifications (Metal): All fabricated metal such as; Steel spike strip, clamps, bolts, supports- iron/steel, gate structure- interior/exterior and metal sheeting will be painted with a red oxide priming paint (to prevent rust) and painted with (3) coats of a weather- proof paint of an approved grade and shade.

Specifications (Wood): Instructions are provided in; SR.NO. 5 Finishing Work. Specifications (Plaster): Three coats of ICI or approved weather shield/proof paint shall be applied on a completely dry/cured pre-plastered surface. All areas of constructed surfaces shall be painted as specified.

4. **Quality Assurance:**

The contractor shall perform the job in accordance with U.S. Codes and standards and local host country codes, whichever are most stringent, and install all elements of the project in strict accordance with the International Building Codes. This includes all materials and installations for the electrical, and plumbing systems.

5. **Deliverables, Schedule and Period of Performance:**

Schedule approved by COR prior to development. The contractor shall commence work under this contract promptly, execute the work diligently, and achieve final completion and acceptance including final cleanup of the premises within the contract period of 60 business days.

6. **Reference:**

- a. International Building Code, 2006
- b. International Fire Code, 2006
- c. National Electrical Code, 2005
- d. International Plumbing Code, 2006
- e. National Fire Protection Association (NFPA), Codes Current Editions

END OF SCOPE OF WORK