



Embassy of the United States of America

Management | GSO Procurement Unit

57 República de Colombia Ave. | Altos de Arroyo Hondo

Santo Domingo, DN 10605 | Dominican Republic

Tel: (809) 567-7775 | E-mail: SantoDomingoProcurement@state.gov

June 20, 2016

SUBJECT: Solicitation No.: SDR860-16-Q-0006
Construction of CMR Security Wall
U.S. Embassy Santo Domingo

Dear Prospective Offeror:

The Embassy of the United States of America in Santo Domingo, Dominican Republic invites you to submit a quotation for construction of security wall.

This construction effort is estimated between USD\$100,000.00 and USD\$250,000.00 and needs to be completed within 90 working days from the Notice to Proceed, in Santo Domingo, DN 10205, Dominican Republic. This work involves demolition of a small building and construction of an approximately 446ft long x 10ft tall security wall located on the former United States Embassy compound, on César Nicolás Penson Avenue and corner of Leopoldo Navarro Avenue, Gazcue, Santo Domingo, DN 10205, Dominican Republic.

All companies that respond to the solicitation must be technically qualified and financially responsible to perform the work. At a minimum, each offeror must meet the following requirements when submitting their proposal:

- Be able to understand written and spoken English;
- Have an established business with a permanent address and telephone listing;
- Have the necessary personnel, equipment and financial resources available to perform the work;
- Have all licenses and permits required by local law;
- Meet all local insurance requirements;
- Have the ability to obtain a performance and guarantee bond and a payment bond, or to post adequate performance security, such as irrevocable letters of credit or guarantees issued by a reputable financial institution;
- Have no adverse criminal record;
- Have no political or business affiliation which could be considered contrary to the interests of the United States;
- Have good experience and past performance records; and,
- Identify specialized experience and technical competence required to complete the construction work in accordance with this solicitation.

The Embassy intends to conduct a site visit on **June 28, 2016 at 09:30am**, and all prospective offerors who have received a solicitation package are invited to attend. For compound access, bidders should submit their name and cédula number by e-mail at least 48-hours prior to the site visit date to SantoDomingoContracts@state.gov.

Quotations must be firm-fixed-price, ITBIS exonerated and submitted on or before **July 8, 2016 at 4:00pm**, in **English language**, in one (1) original and two (2) copies, in a sealed envelope marked **“Proposal Enclosed”** to:

Ms. Shelly Westebbe, Contracting Officer
U.S. Embassy Santo Domingo, DPO/Mailroom
Service CAC on Highway La Isabela

The U.S. Government intends to award a contract to the responsible company submitting a technically acceptable offer at the lowest price, based on initial proposals, without holding discussions, although we may hold discussions with companies in the competitive range if there is a need to do so.

Sincerely,



Shelly Westebbe
Contracting Officer



SOLICITATION, OFFER, AND AWARD (Construction, Alteration, or Repair)	1. SOLICITATION NUMBER	2. TYPE OF SOLICITATION	3. DATE ISSUED	PAGE OF PAGES
	SDR860-16-Q-0006	<input type="checkbox"/> SEALED BID (IFB) <input checked="" type="checkbox"/> NEGOTIATED (RFQ)	06/20/2016	1 93

IMPORTANT - The "offer" section on the reverse must be fully completed by offeror.

4. CONTRACT NUMBER	5. REQUISITION/PURCHASE REQUEST NUMBER	6. PROJECT NUMBER
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7. ISSUED BY U.S. Embassy Santo Domingo GSO Procurement Unit 57 República de Colombia Ave.; Altos de Arroyo Hondo Santo Domingo, DN 20605; Dominican Republic	CODE	8. ADDRESS OFFER TO Shelly Westebbe, GSO Contracting Officer DPO/Mailroom - Hwy. La Isabela Back Entrance Santo Domingo, DN 20605; Dominican Republic
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9. FOR INFORMATION CALL:	a. NAME Shelly Westebbe	b. TELEPHONE NUMBER (Include area code) (NO COLLECT CALLS) 809-567-7775
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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 number, date)

1. Construction of Security Wall, as per Architectural and Engineering Design.
2. The Contractor shall furnish and install ALL required materials.
3. In case of discrepancies between small and large-scale drawings, the latter will govern.
4. Where a portion of the work is drawn in detail and the remainder of the work is indicated in outline, the parts drawn in detail shall apply also to all other portions of the work.

11. The contractor shall begin performance within <u>02</u> calendar days and complete it within <u>90</u> calendar days after receiving <input type="checkbox"/> award, <input checked="" type="checkbox"/> notice to proceed. This performance period is <input type="checkbox"/> mandatory <input type="checkbox"/> negotiable. (See _____).

12a. THE CONTRACTOR MUST FURNISH ANY REQUIRED PERFORMANCE AND PAYMENT BONDS? (If "YES", indicate within how many calendar days after award in Item 12b.) <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	12b. CALENDAR DAYS 05
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13. ADDITIONAL SOLICITATION REQUIREMENTS:
- a. Sealed offers in original and 02 copies to perform the work required are due at the place specified in Item 8 by 04:00pm (hour) local time 07/08/2016 (date). If this is a sealed bid solicitation, offers will 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 20 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 NUMBER (Include area code)
	16. REMITTANCE ADDRESS (Include only if different than Item 14.)

CODE	FACILITY CODE
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17. The offeror agrees to perform the work required at the prices specified below in strict accordance with the terms of this solicitation, if this offer is accepted by the Government in writing 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 

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 NUMBER										
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 27	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. 3304(a) ()
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26. ADMINISTERED BY U.S. Embassy Santo Domingo GSO Procurement Unit SantoDomingoProcurement@state.gov	DR860	27. PAYMENT WILL BE MADE BY U.S. Embassy Santo Domingo Financial Management Center SantoDomingoFMO@state.gov
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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 requirements identified on this form and any continuation sheets for the consideration stated 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 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) Shelly Westebbe
30b. SIGNATURE	31b. UNITED STATES OF AMERICA
30c. DATE	31c. DATE
	BY

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SF-1442 COVER SHEET

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REQUEST FOR QUOTATIONS - CONSTRUCTION

SECTION A - PRICE

The Contractor shall complete all work, including furnishing all labor, material, equipment and services required under this purchase order for the following firm fixed price and within the time specified. This price shall include all labor, materials, all insurances, overhead and profit.

Total Price (including ALL labor, materials, overhead and profit)	RD\$
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A.1 Value Added Tax

VALUE ADDED TAX (ITBIS). The Government will not reimburse the Contractor for ITBIS under this contract. The Contractor shall not include a line for ITBIS on Invoices as the U.S. Embassy has tax exemption status with the host government.

SECTION B - SCOPE OF WORK

The character and scope of the work are set forth in the contract. The Contractor shall furnish and install all materials required by this contract.

In case of differences between small and large-scale drawings, the latter will govern. Where a portion of the work is drawn in detail and the remainder of the work is indicated in outline, the parts drawn in detail shall apply also to all other portions of the work.

SECTION C - PACKAGING AND MARKING

Reserved

SECTION 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).

SECTION 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 **two (2)** 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 **ninety (90) days**.

The time stated for completion shall include final cleanup of the premises and completion of all punch list items.

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 **USD\$330.62** for each calendar day of delay until all work is completed or accepted.

Estimated cost of renting a temporary facility	\$ -
Estimated OBO on-site staff costs (direct labor, housing, travel, per diem, etc.)	\$ -
Estimated post staff costs (GSO, Facility Maintenance Manager, etc.)	\$ 8,520.00
Utilities	\$ 15,000.00
Opportunity Cost of NOT receiving the sales price	\$ 6,235.41
Total	\$ 29,755.41
Cost per Day in USD	\$ 330.62

(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 **five (05)** 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 in the form of a Gantt chart (Bar chart), 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 GSO 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 GSO 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 regular business hours. Other hours, if requested by the Contractor, may be approved by the GSO 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 will be held **ten (10)** days after contract award at the former Chancery Compound located on the corner of Cesar Nicolas Penson and Avenida Leopoldo Navarro to discuss the schedule, submittals, notice to proceed, mobilization and other important issues that affect 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	05 days after award	CO
Section E. Construction Schedule	1	05 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

SECTION 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 the Facilities Manager.

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 Office
U.S. Embassy Santo Domingo
SantoDomingoFMO@state.gov
57 República de Colombia Ave.; Altos de Arroyo Hondo
Santo Domingo, DN 10605; Dominican Republic

SECTION G - SPECIAL REQUIREMENTS

G.1.0 PERFORMANCE/PAYMENT PROTECTION

The Contractor shall furnish a performance bond as payment protection described in FAR 52.228-13 in the amount of 50% of the contract price.

G.1.1 DELIVERY TIME

The Contractor shall provide the information required by the paragraph above within (05) 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 BONDS OR ALTERNATE PERFORMANCE SECURITY

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 TERM

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 U.S. DOLLARS	
Per Occurrence	USD\$3,500.00
Cumulative	USD\$500,000.00
(2) PROPERTY DAMAGE, ON OR OFF THE SITE, IN U.S. DOLLARS	

Per Occurrence	USD \$500,000.00
Cumulative	USD \$1,000,000.00

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 (10) 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 may take 20 days to perform. For each individual the list shall include:

- Full Name
- Place and Date of Birth
- Current Address
- Cédula Number

Also include detailed information on all vehicles requiring compound access. For each vehicle the list shall include:

- Make
- Model
- Year
- Plate Number

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.

The list of names provided above will be submitted to the private security company guarding the compound, in order to grant access.

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.

SECTION 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)
- 52.222-50 COMBATING TRAFFICKING IN PERSONS (FEB 2009)
- 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)
- 52.228-3 WORKERS’ COMPENSATION INSURANCE (DEFENSE BASE ACT).
- 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)

The following Department of State Acquisition Regulation (DOSAR) clause(s) is/are set forth in full text:

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)

652.229-71 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.

(End of clause)

CONTRACTOR IDENTIFICATION (JULY 2008)

Contract performance may require contractor personnel to attend meetings with government personnel and the public, work within government offices, and/or utilize government email.

Contractor personnel must take the following actions to identify themselves as non-federal employees:

- 1) Use an e-mail signature block that shows name, the office being supported and company affiliation (e.g. "John Smith, Office of Human Resources, ACME Corporation Support Contractor");
- 2) Clearly identify themselves and their contractor affiliation in meetings;
- 3) Identify their contractor affiliation in Departmental e-mail and phone listings whenever contractor personnel are included in those listings; and
- 4) Contractor personnel may not utilize Department of State logos or indicia on business cards.

(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 personal protective equipment and 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)

SECTION I - LIST OF ATTACHMENTS

ATTACHMENT NUMBER	DESCRIPTION OF ATTACHMENT	NUMBER OF PAGES
Attachment 1	Standard Form 25, "Performance and Guaranty Bond"	2
Attachment 2	Standard Form 25A, "Payment Bond"	1
Attachment 3	Sample Bank Letter of Guaranty	1
Attachment 4	Breakdown of Price by Divisions of Specifications	1
Attachment 5	Drawings/Specifications	1

SECTION 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 18 including a completed Attachment 4, "BREAKDOWN OF PROPOSAL PRICE BY DIVISIONS OF SPECIFICATIONS	2
II	Performance schedule in the form of a "bar chart" and Business Management/Technical Proposal	1

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

Shelly Westebbe, Contracting Officer, GSO
DPO/Mailroom - Hwy. La Isabela Back Entrance
Santo Domingo, DN 10605; Dominican Republic

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 **June 15, 2016**, at **2:00pm** local time.

(c) Participants will meet at former Chancery building on César Nicolás Penson Ave. and corner of Leopoldo Navarro Ave; Gazcue.

D. Magnitude of Construction Project

It is anticipated that the range in price of this contract will be at between USD \$100,000.00 and USD \$250,000.00.

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)

SECTION 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 otherwise due under the contract.

(c) 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.

(d) 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:

__ (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:

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 of the Dominican Republic –

- 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 #1 - Standard Form 25, "Performance and Guaranty Bond"

PERFORMANCE BOND <i>(See instructions on reverse)</i>	DATE BOND EXECUTED <i>(Must be same or later than date of contract)</i>	OMB Number: 9000-0045 Expiration Date: 6/30/2016
---	---	---

PAPERWORK REDUCTION ACT STATEMENT: Public reporting burden for this collection of information is estimated to average 60 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspects of this collection of information, including suggestions for reducing this burden, to U.S. General Services Administration, Regulatory Secretariat (MVCB)/IC 9000-0045, Office of Governmentwide Acquisition Policy, 1800 F Street, NW, Washington, DC 20405.

PRINCIPAL <i>(Legal name and business address)</i>	TYPE OF ORGANIZATION ("X" one)
	<input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> JOINT VENTURE <input type="checkbox"/> CORPORATION
STATE OF INCORPORATION	

SURETY(IES) <i>(Name(s) and business address(es))</i>	PENAL SUM OF BOND <i>(whole numbers only)</i>			
	MILLION(S)	THOUSANDS	HUNDRED(S)	CENTS
	CONTRACT DATE		CONTRACT NO.	

OBLIGATION

We, the Principal and Surety(ies), are firmly bound to the United States of America (hereinafter called the Government) in the above penal sum. For payment of the penal sum, we bind ourselves, our heirs, executors, administrators, and successors, jointly and severally. However, where the Sureties are corporations acting as co-sureties, we the sureties bind ourselves in such sum "jointly and severally" as well as "severally" only for the purpose of allowing a joint action or actions against any or all of us. For all other purposes, each Surety binds itself, jointly and severally with the Principal, for the payment of the sum shown opposite the name of the Surety. If no limit of liability is indicated, the limit of liability is the full amount of the penal sum.

CONDITIONS

The Principal has entered into the contract identified above.

THEREFORE

The above obligation is void if the Principal-

(a)(1) Performs and fulfills all the undertaking, covenants, terms, conditions, and agreements of the contract during the original term of the contract and any extensions thereof that are granted by the Government, with or without notice of the Surety(ies) and during the life of any guaranty required under the contract, and (2) performs and fulfills all the undertakings, covenants, terms, conditions, and agreements of any and all duly authorized modifications of the contract that hereafter are made. Notice of those modifications to the Surety(ies) are waived.

(b) Pays to the Government the full amount of the taxes imposed by the Government, if the said contract is subject to 41 U.S.C. Chapter 31, Subchapter III, Bonds, which are collected, deducted, or withheld from wages paid by the Principal in carrying out the construction contract with respect to which this bond is furnished.

WITNESS

The Principal and Surety(ies) executed this performance bond and affixed their seals on the above date.

PRINCIPAL				
SIGNATURE(S)	1.	2.	3.	Corporate Seal
		<i>(Seal)</i>	<i>(Seal)</i>	
NAME(S) & TITLE(S) <i>(Typed)</i>	1.	2.	3.	

INDIVIDUAL SURETY(IES)			
SIGNATURE(S)	1.	2.	
		<i>(Seal)</i>	<i>(Seal)</i>
NAME(S) <i>(Typed)</i>	1.	2.	

CORPORATE SURETY(IES)				
SURETY A	NAME & ADDRESS	STATE OF INC.	LIABILITY LIMIT (\$)	Corporate Seal
	SIGNATURE(S)	1.	2.	
	NAME(S) & TITLE(S) <i>(Typed)</i>	1.	2.	

ATTACHMENT #2 - STANDARD FORM 25A, "PAYMENT BOND"

PAYMENT BOND <i>(See instructions on reverse)</i>	DATE BOND EXECUTED <i>(Must be same or later than date of contract)</i>	OMB Number: 9000-0045 Expiration Date: 6/30/2016	
<small>PAPERWORK REDUCTION ACT STATEMENT: Public reporting burden for this collection of information is estimated to average 60 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspects of this collection of information, including suggestions for reducing this burden, to U.S. General Services Administration, Regulatory Secretariat (MVCB)IC 9000-0045, Office of Governmentwide Acquisition Policy, 1800 F Street, NW, Washington, DC 20405.</small>			
PRINCIPAL <i>(Legal name and business address)</i>	TYPE OF ORGANIZATION <i>(“X” one)</i>		
	<input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> JOINT VENTURE <input type="checkbox"/> CORPORATION		
	STATE OF INCORPORATION		
SURETY(IES) <i>(Name(s) and business address(es))</i>	PENAL SUM OF BOND <i>(Whole numbers only)</i>		
	MILLION(S)	THOUSAND(S)	HUNDRED(S)
	CONTRACT DATE		CONTRACT NO.

OBLIGATION:

We, the Principal and Surety(ies), are firmly bound to the United States of America (hereinafter called the Government) in the above penal sum. For payment of the penal sum, we bind ourselves, our heirs, executors, administrators, and successors, jointly and severally. However, where the Sureties are corporations acting as co-sureties, we, the Sureties, bind ourselves in such sum "jointly and severally" as well as "severally" only for the purpose of allowing a joint action or actions against any or all of us. For all other purposes, each Surety binds itself, jointly and severally with the Principal, for the payment of the sum shown opposite the name of the Surety. If no limit is indicated, the limit of liability is the full amount of the penal sum.

CONDITIONS:

The above obligation is void if the Principal promptly makes payment to all persons having a direct relationship with the Principal or a subcontractor of the Principal for furnishing labor, material or both in the prosecution of the work provided for in the contract identified above, and any authorized modifications of the contract that subsequently are made. Notice of those modifications to the Surety(ies) are waived.

WITNESS:

The Principal and Surety(ies) executed this payment bond and affixed their seals on the above date.

PRINCIPAL				
SIGNATURE(S)	1.	2.	3.	Corporate Seal
	(Seal)	(Seal)	(Seal)	
NAME(S) & TITLE(S) <i>(Typed)</i>	1.	2.	3.	
INDIVIDUAL SURETY(IES)				
SIGNATURE(S)	1.	2.		
	(Seal)	(Seal)		
NAME(S) <i>(Typed)</i>	1.	2.		
CORPORATE SURETY(IES)				
SURETY A	NAME & ADDRESS		STATE OF INC.	LIABILITY LIMIT \$
	SIGNATURE(S)	1.	2.	
	NAME(S) & TITLE(S) <i>(Typed)</i>	1.	2.	
				Corporate Seal

AUTHORIZED FOR LOCAL REPRODUCTION
Previous edition is NOT usable

STANDARD FORM 25A (REV. 8/2014)
Prescribed by GSA-FAR (48 CFR) 53.2228(c)

ATTACHMENT #3 - SAMPLE LETTER OF BANK GUARANTY

Place []
Date []

Contracting Officer
U.S. Embassy Santo Domingo, Dominican Republic
57 República de Colombia Ave.; Altos de Arroyo Hondo
Santo Domingo, DN 10605

Letter of Guaranty No. _____

SUBJECT: Performance and Guaranty

The Undersigned, acting as the duly authorized representative of the bank, declares that the bank hereby guarantees to make payment to the Contracting Officer by check made payable to the Treasurer of the United States, immediately upon notice, after receipt of a simple written request from the Contracting Officer, immediately and entirely without any need for the Contracting Officer to protest or take any legal action or obtain the prior consent of the Contractor to show any other proof, action, or decision by an other authority, up to the sum of [amount equal to 20% of the contract price in U.S. dollars during the period ending with the date of final acceptance and 10% of the contract price during contract guaranty period], which represents the deposit required of the Contractor to guarantee fulfillment of his obligations for the satisfactory, complete, and timely performance of the said contract [contract number] for [description of work] at [location of work] in strict compliance with the terms, conditions and specifications of said contract, entered into between the Government and [name of contractor] of [address of contractor] on [contract date], plus legal charges of 10% per annum on the amount called due, calculated on the sixth day following receipt of the Contracting Officer's written request until the date of payment.

The undersigned agrees and consents that said contract may be modified by Change Order or Supplemental Agreement affecting the validity of the guaranty provided, however, that the amount of this guaranty shall remain unchanged.

The undersigned agrees and consents that the Contracting Officer may make repeated partial demands on the guaranty up to the total amount of this guaranty, and the bank will promptly honor each individual demand.

This letter of guaranty shall remain in effect until 3 months after completion of the guaranty period of Contract requirement.

Depository Institution: [name]
Address:
Representatives: Location:
State of Inc.:
Corporate Seal:

Certificate of Authority is attached evidencing authority of the signer to bind the bank to this document.

ATTACHMENT #4 - UNITED STATES DEPARTMENT OF STATE BREAKDOWN OF PRICE BY DIVISIONS OF SPECIFICATIONS

(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 RD\$: _____

Allowance Items:

PROPOSAL PRICE: _____

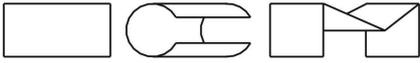
TOTAL
in RD\$:

Alternates (list separately; do not total):

Offeror: _____ *Date* _____

PRICE BREAKDOWN BY DIVISION OF SPECIFICATION ITEMS

ATTACHMENT #5 – DRAWINGS/ SPECIFICATIONS



ING. CONSTRUCTORES
MODERNOS, C. X. A.

ARQUITECTOS - INGENIEROS - CONTRATISTAS
RNC No. 1-01-13054-7



FORMER USG EMBASSY SECURITY WALL

Architectural and Engineering Designs

RFQ Number SDR860-15-M-0085

Santo Domingo
Dominican Republic

April 13th, 2016

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Annex 1 : Photos



Figure 1b. Location of Project area in Google image.

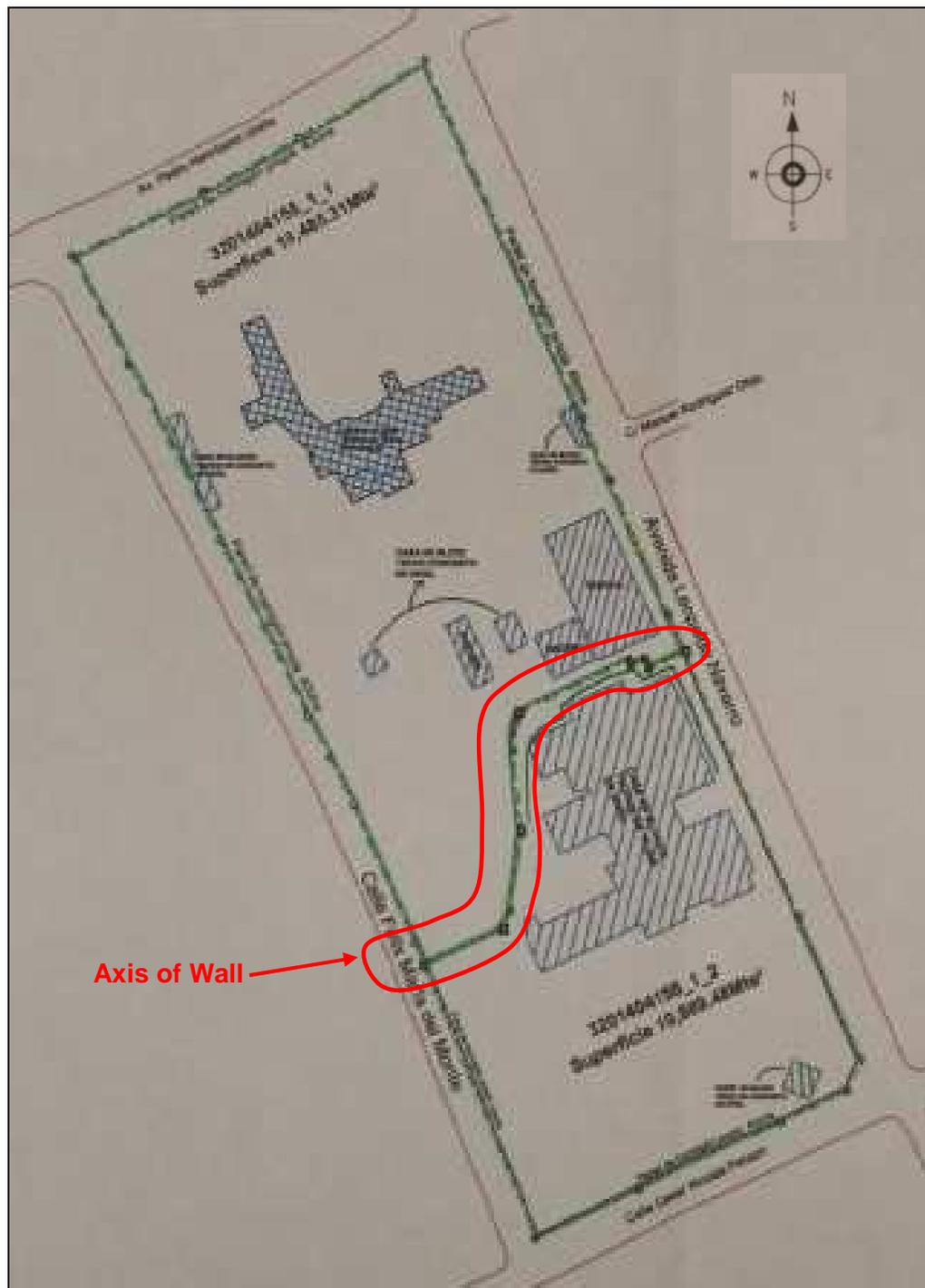


Figure 1c. Plane with investigation zone indicated.

1.1. Scope

The scope of this study is to detect any anomalies both vertically and horizontally in the ground under the civil structure to be built. The axis of the wall was marked by a topographic brigade in field, investigation was conducted on that axis.

2. Working Methodology

The subsoil investigation works were conducted by means of the execution of an electrical resistivity campaign on the marked axis of wall. The figure 2 shows the location of resistivity lines.

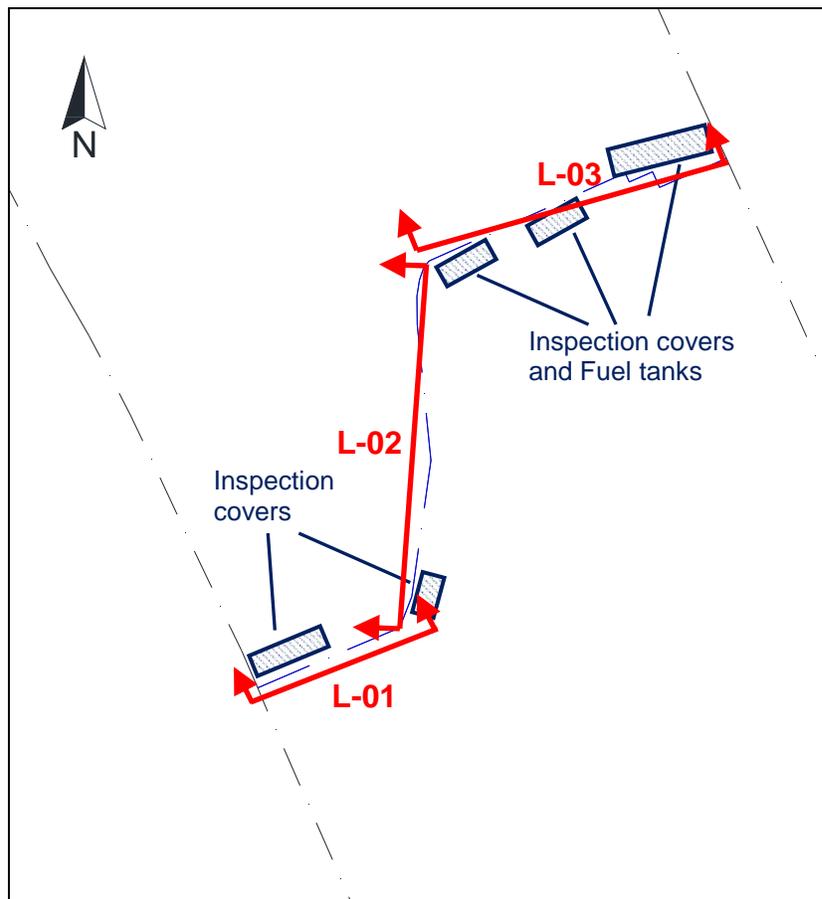
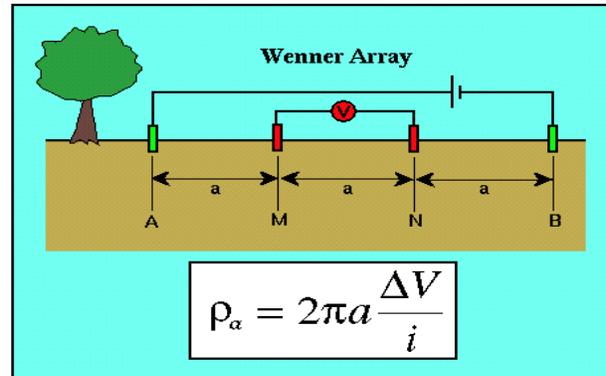


Figure 2. Location sketch of investigation lines.

2.1. Electrical Resistivity

This campaign of geophysical survey was conducted on January 7 this year, by the method of electrical resistivity with SYSCAL KID 24 Switch equipment, using the Wenner arrangement.

This method consist in pass a dc current in soil through a group of electrodes placed equidistant and interconnected by an electrical cable where this is connected to the resistivity equipment. The computer performs all possible combinations between the electrodes according to the geometry of the Wenner array.



After taking all possible measures, these are stored in the internal memory. To download the data to PC PROSYS II software is used.

Three lines of investigation with orientation O ~ E were performed by coinciding with the axis of the wall as shown in Figure 2, with which geoelectrical sections where you can see the changes or uniformity of the field along these sections were created. The RES2DINV software was used for this.

3. Results

3.1. Electrical Resistivity

The investigation shows results within low range for the site's lithology. In general terms, the results show a superficial layer with values between 250 ~ 500 ohm-m from surface to 1.50 ~ 3.50 m depth, followed by a layer with low values between 10 ~ 40 ohm-m from 1.50 ~ 3.50 m to investigation depth (9.00 m). In addition, a zone of high values is present at the end of L-01 line and at the beginning of the L-02 line.

Generally the higher values are related to more dense material like rocks (limestone), while lower values are related with presence of fill, clay and caliche.

In this particular case, the higher values can suggest the presence of cavernous areas or very loose materials; however there are a lot of inspection covers and possible underground pipes in the axis of wall. The higher values can be related with these structures. In addition, the lower values can be related to less dense materials or with low resistance like for example fills, clays or top soil.

3.1.1. Sections

The L-01 section shows two layers clearly defined between the abscissas 0 ~ 15. The first layer is present from 0.00 ~ 1.50 m depth with values that vary between 250 ~ 300 ohm-m, and the second layer with values that vary between 30 ~ 40 ohm-m from 1.50 m to depth of investigation.

In addition, presents a higher values zone (>5000) between the abscissas 15 ~ 23 from the surface to investigation depth. Direct investigation is recommended in this zone.

The L-02 section also shows two layers clearly defined. The first layer is present from 0.00 ~ 3.50 m depth with values that vary between 250 ~ 500 ohm-m, and the second layer with values that vary between 10 ~ 40 ohm-m from 3.50 m to depth of investigation.

In addition, presents a higher values zone (>5000) between the abscissas 0 ~ 10 from the surface to 6.00 m depth. This zone is correlated with the indicated in L-01 section. Direct investigation is recommended in this zone.

The L-03 section also shows two layers clearly defined. The first layer is present from 0.00~3.00 m depth with values that vary between 250 ~ 500 ohm-m, and the second layer with values that vary between 10 ~ 30 ohm-m from 3.00 m to depth of investigation. Two lower values zones are shown from the surface to investigation depth between the abscissas 8 ~ 15 and 26 ~ 28.

Then the geoelectric sections indicating areas where direct investigation is recommended by boreholes or pits and a sketch of location of investigation areas including recommended investigation areas are presented.

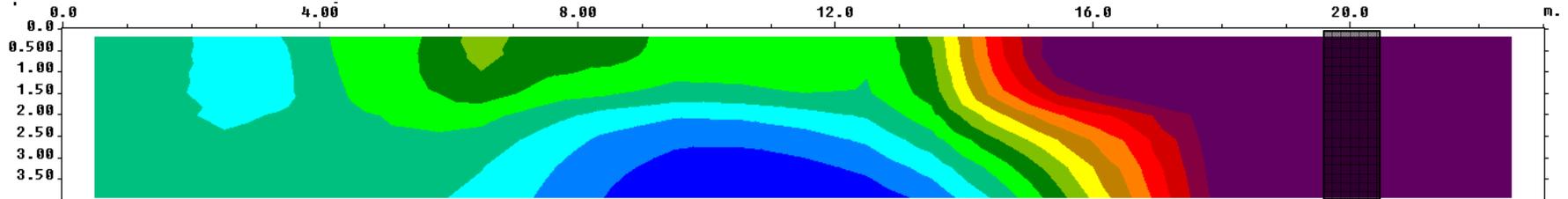
Wall of USA Embassy
Goelectrical Sections

Soluciones
Geotécnicas

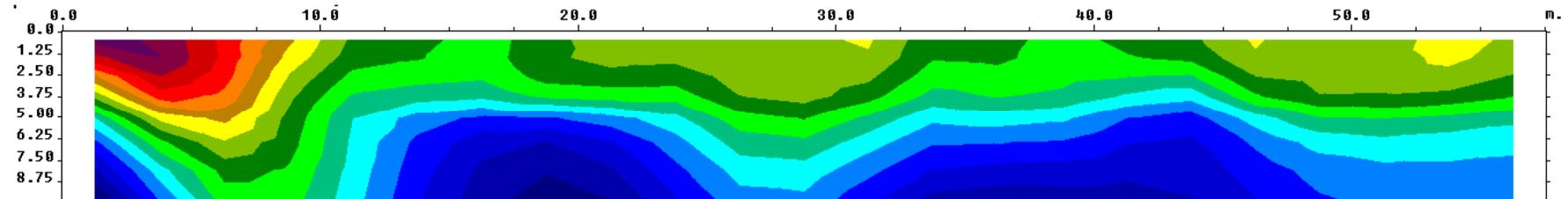
West

East

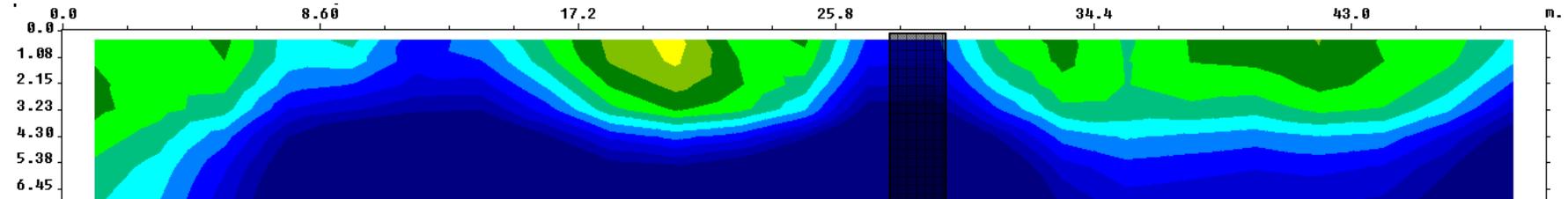
Section L-01



Section L-02



Section L-03



 Recommended Investigation Zones

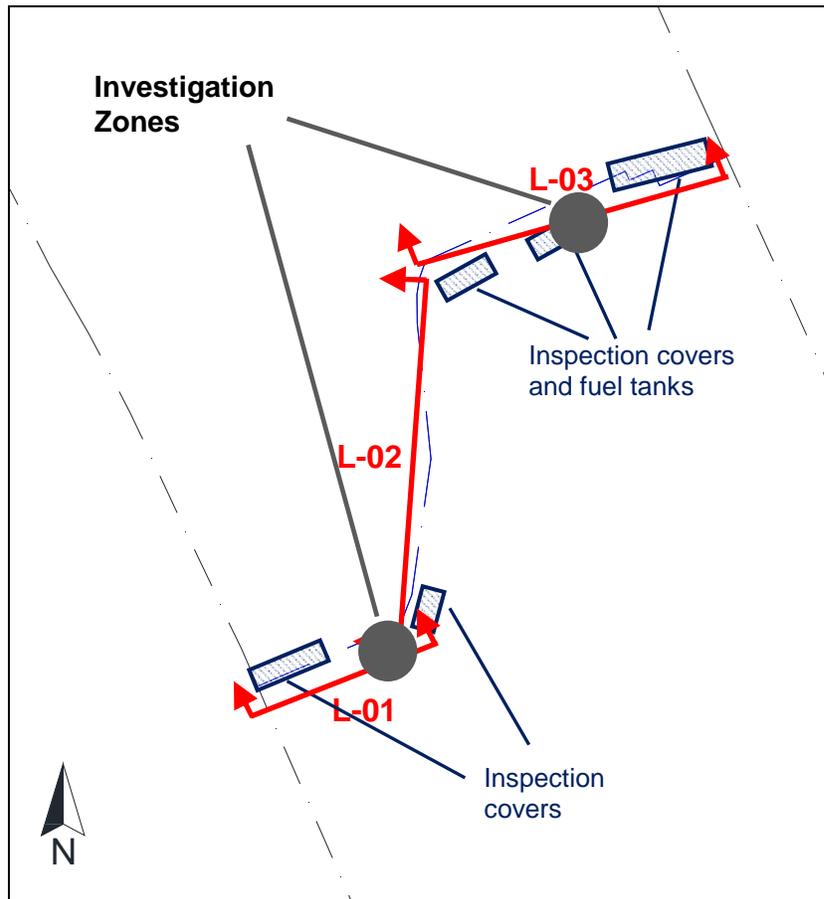


Figure 3. Location of Resistivity lines and Points of Recommended Investigation.

3.2. Recommended Investigation Sites

The recommended investigation zones serve to corroborate the extension of the zone that attracts attention and the materials that compose it present in the ground. The following table shows the recommended investigation sites referred to coordinates systems of each geoelectrical sections. The location of these points is present in the figure 3.

Tabla 1. Recommended Investigation Sites.

Section	Abscissa (m)
L-01	20.00
L-03	28.00

It is recommended that investigation through boreholes at recommended points and obtains geophysical characteristics of the subsurface materials and to correlate these results. In case of cant carry out boreholes, it is recommended investigation through pits for at least a visual inspection of subsurface materials at these points.

4. Conclusions and Recommendations

- 1- Given its geotectonic situation the island of Hispaniola is located in an area of high seismic risk, so that should be taken seismic design considerations of place. According to Regulation R-001 DNRS MOPC, seismic zoning is Zone II, with values of spectral acceleration reference $S_s = 0.95g$ for short periods and $S_1 = 0.55g$ for long periods.
- 2- The Project site is located within facilities of USA Embassy, in the Cesar Nicolás Pénson Street Leopoldo Navarro corner, Distrito Nacional, República Dominicana.
- 3- The investigation consists in a Electrical Resistivity campaign in the axis of Wall marked in field by a topographic brigade.
- 4- In some areas on the axis of the wall is presented inspection covers and underground fuel tanks (figure 2).
- 5- The results show that is presented one superficial layer with values that vary between 250 ~ 500 ohm-m from the surface to 1.50 ~ 3.50 m depth, followed by a layer with lower values that vary between 10 ~ 40 ohm-m from 1.50 ~ 3.50 m to investigation depth (9.00 m). In addition, a higher values is present at the end of L-01 and at beginning of L-02. (chapter 3.1).
- 6- In this particular case, the higher values can suggest the presence of cavernous areas or very loose materials; however there are a lot of inspection covers and possible underground pipes in the axis of wall. The higher values can be related with these structures. In addition, the lower values can be related to less dense materials o with low resistance like for example fills, clays o top soil.
- 7- Anomalies of higher values are present at the end of L-01 section between abscissas 15 ~ 23 and at the beginning of L-02 section between abscissas 0 ~ 10. In addition lower values are present in L-03 section from the surface to investigation depth between abscissas 8 ~ 15 and 26 ~ 28. These zones attracts attention.
- 8- It is recommended that investigation through boreholes or pits. The following table shows the recommended investigation sites referred to coordinates systems of each geoelectrical sections.

Location of Recommended Investigation Points.

Section	Abscissa (m)
L-01	20
L-03	28

- 8- It is recommended that investigation through boreholes at recommended points and obtains geophysical characteristics of the subsurface materials and to correlate these results. In case of cant carry out boreholes, it is recommended investigation through pits for at least a visual inspection of subsurface materials at these points.

Any difference between the results of this report and some particular condition present in field must be consulted with autor of this report.

This study applies only where it will build the wall and should not be used to extrapolate to other sites.

Ing. Juan José Félix

Ingeniero civil

CODIA 28120

January, 2015

ANNEX 1

PHOTOS



Photo 1. Geoelectric measuring equipment placed on the L-01 section.



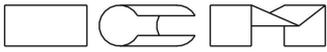
Photo 2. Zone of L-02 section.



Photo 3. Electrical cables in L-03 line with Wenner array.



Photo 4. Console of Geoelectrical Equipment.



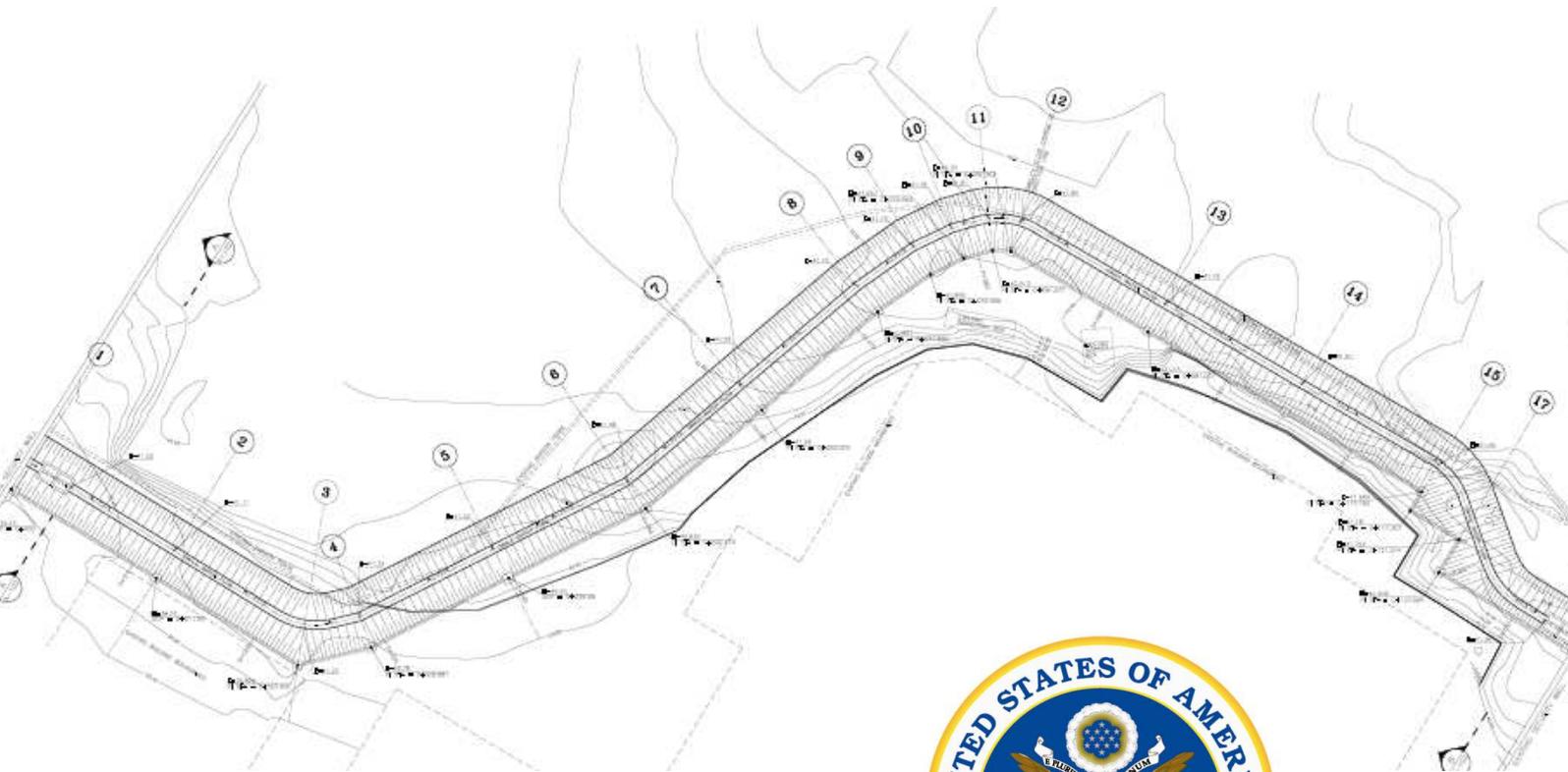
ING. CONSTRUCTORES
MODERNOS, C. X. A.

ARQUITECTOS - INGENIEROS - CONTRATISTAS
RNC No. 1-01-13054-7

HYDROLOGY REPORT

USG EMBASSY DIVISION WALL Drain and Surface Water Swale

Santo Domingo, Rep. Dom.



February 2016

Santo Domingo, Rep. Dom.

www.icm.com.do
Santo Domingo, D. N.
Republica Dominicana

Tel: (809)562-6900
Fax: (809) 544-3505
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DRAIN AND SURFACE WATER SWALE

USG EMBASSY DIVISION WALL

Santo Domingo, D.N., Dominican Republic

HYDROLOGY REPORT

1. AMOUNT OF STORM WATER FLOW DETERMINATION GENERATED IN THE STUDY AREA

RAINFALL

The rainfall study aims to determine the corresponding rain to a specific return period or under a preset condition.

It can be considered that the Santo Domingo Area has a transition climate between subtropical and tropical, generally humid rainy. The city is located in an area where the year can be divided into two distinct seasons, the rainy season of 7 months and the dry or non-rainy of 5 months. The rain season lasts from May to September when the average monthly rainfall reached 160 millimeters and an estimated 13.9 days of rain per month. The dry season has a monthly average of 60 millimeters of rain with 9.1 days per month. At an annual level it is recorded an average of 1,410.4 mm of rain and 142.4 rainy days.

To determine the how much water storm the area will collect in that specific area, we have to obtain data and measurement for the Maximum annual Rainfall in the Santo Domingo Area. The data can only be certified and obtain through officials weather departments and organizations. Here in Dominican Republic the respective department in charge of certifying weather data is the OFICINA NACIONAL DE METEOROLOGIA (ONAMET).

Here is the Average Rainfall data from the Urban Area of Santo Domingo, collected and certified by ONAMET (National Meteorology Organization) of Santo Domingo station in a period 1986-2015 reflect these comments:

Chart 1.1.



INSTITUTO DOMINICANO DE AVIACION CIVIL
OFICINA NACIONAL DE METEOROLOGÍA
LOS MAMEYES, SANTO DOMINGO, D.N.
"AÑO DEL FOMENTO DE LA VIVIENDA"

DEPARTAMENTO DE CLIMATOLOGÍA - DIVISION DE PROCESAMIENTO DE DATOS
SANTO DOMINGO Mayor de Precipitación Diaria (mm)

AÑO	ENE		FEB		MAR		ABR		MAY		JUN		JUL		AGO		SEP		OCT		NOV		DIC		AÑO	FECHA
	VALOR	DIA																								
1986	29.0	17	13.3	26	8.0	31	38.7	27	89.0	12	189.3	3	29.0	24	16.7	19	55.5	23	16.7	19	59.4	19	10.7	29	189.3	03/06/1986
1987	2.3	25	76.1	7	19.3	13	110.4	22	25.4	24	93.7	21	40.0	2	81.0	15	74.2	22	31.1	24	37.7	17	172.5	9	172.5	09/12/1987
1988	10.0	27	22.0	25	83.3	28	59.3	12	38.3	10	50.6	30	74.0	23	198.1	18	98.8	11	24.2	29	56.5	17	16.9	23	198.1	18/02/1988
1989	23.0	7	186.1	18	54.2	15	13.6	14	22.7	12	53.0	1	49.8	22	36.7	16	100.0	25	31.0	18	36.0	23	15.6	31	186.1	18/02/1989
1990	32.0	17	7.0	7	15.0	24	5.8	2	22.1	27	22.1	13	24.3	18	33.4	5	21.9	6	144.9	21	22.0	16	35.4	15	144.9	21/10/1990
1991	10.4	7	58.8	21	78.1	27	40.0	14	34.4	22	16.6	28	18.3	15	30.2	23	44.8	23	86.9	10	50.1	8	10.3	17	86.9	10/10/1991
1992	96.5	2	5.4	8	77.4	27	87.1	16	48.7	22	19.6	12	36.9	11	26.0	30	59.5	3	8.2	15	34.7	21	12.5	25	96.5	02/01/1992
1993	46.2	28	58.0	13	31.6	15	15.4	9	81.6	13	39.5	20	20.0	11	86.4	16	33.0	24	48.8	21	51.1	21	37.0	13	86.4	16/08/1993
1994	34.5	13	6.3	23	41.9	10	19.6	27	27.5	17	5.3	6	54.6	31	54.0	18	77.2	11	35.8	24	56.8	11	21.0	25	77.2	11/09/1994
1995	10.2	6	50.5	25	7.5	10	28.2	14	27.3	27	17.1	2	40.0	27	235.5	18	35.3	28	182.1	6	18.0	1	52.7	22	235.5	18/08/1995
1996	15.8	17	23.8	8	36.3	12	27.4	23	28.6	15	21.1	15	44.3	10	41.8	15	57.4	10	59.1	15	27.9	19	20.4	31	59.1	15/10/1996
1997	11.0	15	27.6	5	8.4	10	24.3	20	16.4	29	60.6	11	46.8	8	53.8	3	34.5	21	100.2	3	68.3	10	16.6	4	100.2	03/10/1997
1998	13.4	1	109.8	4	73.1	27	35.8	4	35.4	8	29.2	9	33.9	20	67.3	25	409.3	22	94.3	20	27.5	9	15.3	4	409.3	22/09/1998
1999	21.9	8	22.5	22	24.1	17	61.2	4	31.0	8	21.1	19	15.2	9	26.0	22	135.5	28	42.6	19	111.5	12	7.2	29	135.5	28/09/1999
2000	148.8	25	17.5	19	11.2	25	15.5	19	64.2	18	20.2	13	58.6	29	55.5	15	47.5	17	22.4	12	42.9	30	8.7	29	148.8	25/01/2000
2001	9.3	16	23.0	10	5.0	24	30.7	4	47.0	5	29.0	24	64.5	30	39.5	6	33.7	29	39.0	6	3.0	18	51.2	22	64.5	30/07/2001
2002	10.0	16	8.8	3	15.5	9	52.8	6	27.6	23	43.8	5	18.1	31	21.9	11	103.3	16	65.9	24	104.6	21	40.5	29	104.6	21/11/2002
2003	58.2	3	12.4	24	19.7	16	43.4	17	21.4	20	28.5	11	69.8	8	110.0	22	43.9	30	37.1	30	35.0	21	204.0	8	204.0	06/12/2003
2004	11.9	6	14.9	2	12.0	27	16.5	29	189.1	23	16.0	29	50.0	10	20.1	24	118.9	16	16.2	21	85.8	2	53.5	17	189.1	23/05/2004
2005	27.6	12	0.3	20	-	-	10.0	10	65.0	10	58.6	24	79.5	20	23.5	24	39.0	20	97.9	22	21.5	8	29.0	31	97.9	22/10/2005
2006	9.7	10	3.4	7	36.7	29	16.4	21	12.0	12	41.2	21	45.0	12	59.4	27	32.5	3	23.9	27	25.0	20	10.0	21	59.4	27/08/2006
2007	22.9	14	6.1	21	70.2	22	21.7	21	97.1	8	33.5	24	46.2	16	70.8	20	19.4	28	166.2	28	30.5	15	88.2	11	166.2	28/10/2007
2008	15.4	7	19.6	2	21.6	31	42.0	25	62.2	3	37.4	3	21.9	9	209.7	15	106.6	23	88.0	9	-	-	-	-	209.7	15/08/2008
2009	16.0	24	57.2	25	16.0	20	36.6	17	83.6	21	11.5	5	28.9	21	102.6	13	36.4	22	34.2	7	24.2	23	60.2	7	102.6	13/08/2009
2010	5.4	16	13.2	11	3.0	6	10.0	10	49.5	9	70.5	23	161.1	22	55.1	17	90.3	30	24.2	4	91.7	4	7.2	27	161.1	22/07/2010
2011	9.2	7	40.4	16	0.3	6	15.2	27	68.4	10	137.4	6	188.1	4	158.2	4	34.1	22	30.0	13	43.9	5	26.7	8	188.1	04/07/2011
2012	22.2	22	10.4	29	67.9	11	46.2	11	50.5	19	22.3	16	30.0	20	63.4	12	21.3	19	123.9	24	21.6	4	14.0	6	123.9	24/10/2012
2013	7.8	29	17.9	11	4.7	31	8.6	18	36.4	6	47.9	27	143.6	10	29.2	7	35.9	5	29.6	14	60.0	3	41.4	4	143.6	10/07/2013
2014	11.2	24	32.4	2	-	-	4.0	17	13.6	11	10.2	19	11.0	22	83.8	25	35.0	25	9.5	28	28.0	16	15.5	4	83.8	25/08/2014
2015	16.0	30	91.4	21	12.6	14	30.6	10	100.1	31	32.0	30	8.0	6	-	-	-	-	-	-	-	-	-	-	100.1	31/05/2015



Using the data above we will the Gumbel Formula procedure to determine the maximum rain intensity for our design.

Chart 1.2.

YEAR	ANNUAL MAXIMUM RAINFALL	GUMBEL	
		$xi-\mu$	$(xi-\mu)^2$
1986	189.30	45.13666667	2037.318678
1987	172.50	28.33666667	802.9666778
1988	198.10	53.93666667	2909.164011
1989	186.10	41.93666667	1758.684011
1990	144.90	0.736666667	0.542677778
1991	86.90	-57.26333333	3279.089344
1992	96.50	-47.66333333	2271.793344
1993	86.40	-57.76333333	3336.602678
1994	77.20	-66.96333333	4484.088011
1995	235.50	91.33666667	8342.386678
1996	59.10	-85.06333333	7235.770678
1997	100.20	-43.96333333	1932.774678
1998	409.30	265.1366667	70297.45201
1999	135.50	-8.663333333	75.05334444
2000	148.80	4.636666667	21.49867778
2001	64.50	-79.66333333	6346.246678
2002	104.60	-39.56333333	1565.257344
2003	204.00	59.83666667	3580.426678
2004	189.10	44.93666667	2019.304011
2005	97.90	-46.26333333	2140.296011
2006	59.40	-84.76333333	7184.822678
2007	166.20	22.03666667	485.6146778
2008	209.70	65.53666667	4295.054678
2009	102.60	-41.56333333	1727.510678
2010	161.10	16.93666667	286.8506778
2011	188.10	43.93666667	1930.430678
2012	123.90	-20.26333333	410.6026778
2013	143.60	-0.563333333	0.317344444
2014	83.80	-60.36333333	3643.732011
2015	100.10	-44.06333333	1941.577344
			146343.2297

Where,

μ is the Average Annual Maximum Rainfall

$\mu = 144.16333$

According to Gumbel, to get the maximum annual rainfall depending on the return period we use a constant distribution function according to the years we have of data for annual maximum rainfall determined on chart 1.1 above. The situation for the design we are going to use according to Gumbel is relatively small so the formulas we are going to use are the following,

$$\alpha = \frac{\sigma_y}{S}$$

$$\beta = \bar{x} - \mu_y/\alpha$$

The functions for these formula are obtain from the following chart,

Chart 1.3.

n	μ_y	σ_y
10	0.4952	0.9496
15	0.5128	1.0206
20	0.5236	1.0628
25	0.5309	1.0914
30	0.5362	1.1124
35	0.5403	1.1285
40	0.5436	1.1413
45	0.5463	1.1518
50	0.5485	1.1607
55	0.5504	1.1682
60	0.5521	1.1747
65	0.5535	1.1803
70	0.5548	1.1854
75	0.5559	1.1898
80	0.5569	1.1938
85	0.5578	1.1974
90	0.5586	1.2007
95	0.5593	1.2037
100	0.5600	1.2065

We are using data from 1986 to 2015, this is a 30 years period.

For $n = 30$

$Y_n = 0.5362$

$S_n = 1.1124$

Using the Formulas above,

$\beta = 109.921804$

$\alpha = 0.01565935$

To obtain the annual maximum rainfall for each return period we use the following formula,

$$x = \beta - \frac{1}{\alpha} \ln \ln \left(\frac{T}{T-1} \right)$$

Where T is the years of Storm Return Period.

Chart 1.4.

T	T/(T-1)	lnT/(T-1)	lnlnT/(T-1)	Pmax
5	1.25	0.223143551	-1.499939987	205.7
10	1.111111111	0.105360516	-2.250367327	253.6
20	1.052631579	0.051293294	-2.970195249	299.6
25	1.041666667	0.040821995	-3.198534261	314.2
50	1.020408163	0.020202707	-3.901938658	359.1
100	1.01010101	0.010050336	-4.600149227	403.7

From this data we proceed to obtain the IDF Curve Chart, converting the probable daily rainfall rates to a 24 hours intensity rate.

Chart 1.5.

P(5)	205.7074
P(10)	253.6294
P(20)	299.5973
P(25)	314.1790
P(50)	359.0981
P(100)	403.6856

Chart 1.6.

$I_{24}(5)$	8.5711
$I_{24}(10)$	10.5679
$I_{24}(20)$	12.4832
$I_{24}(25)$	13.0908
$I_{24}(50)$	14.9624
$I_{24}(100)$	16.8202

IDF Curve Data

To determine the Intensity according to the duration and the storm return period we use the following formula,

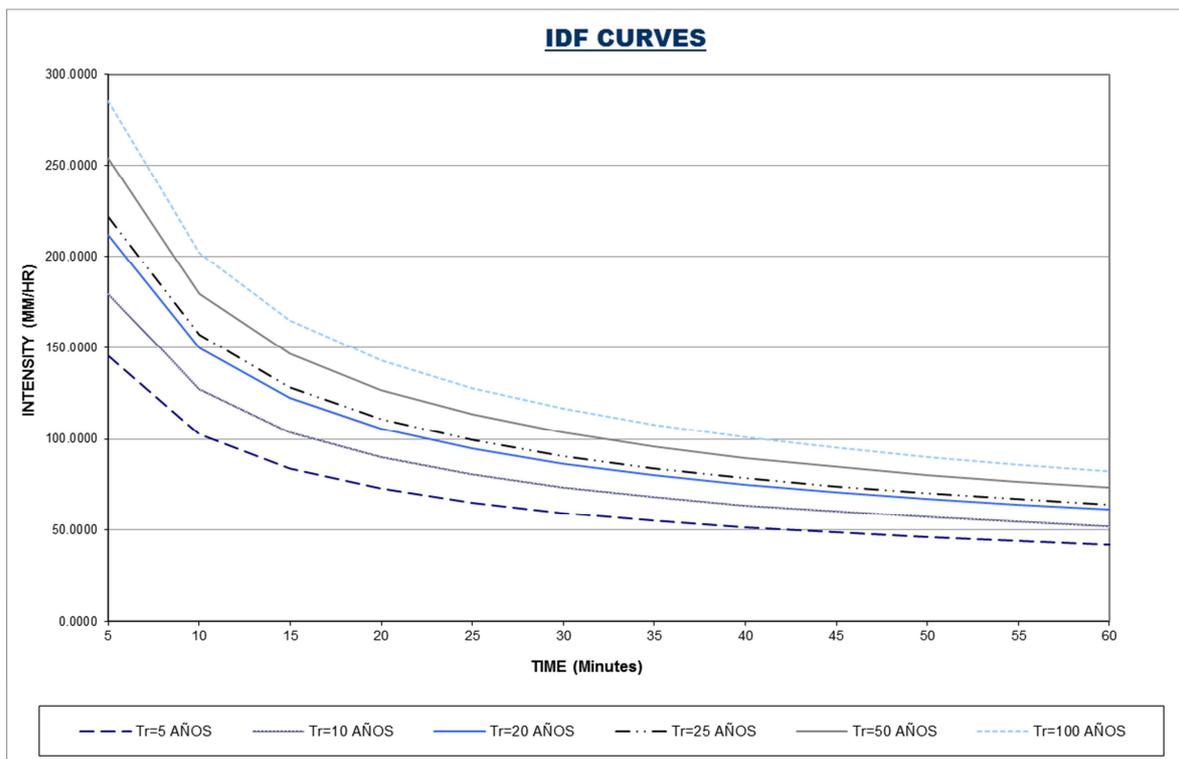
$$I_D = I_{24} * (24 * 60 / D(\text{min}))^{0.5}$$

Where $D(\text{min.})$ is the rain intensity duration in minutes.

Chart 1.7.

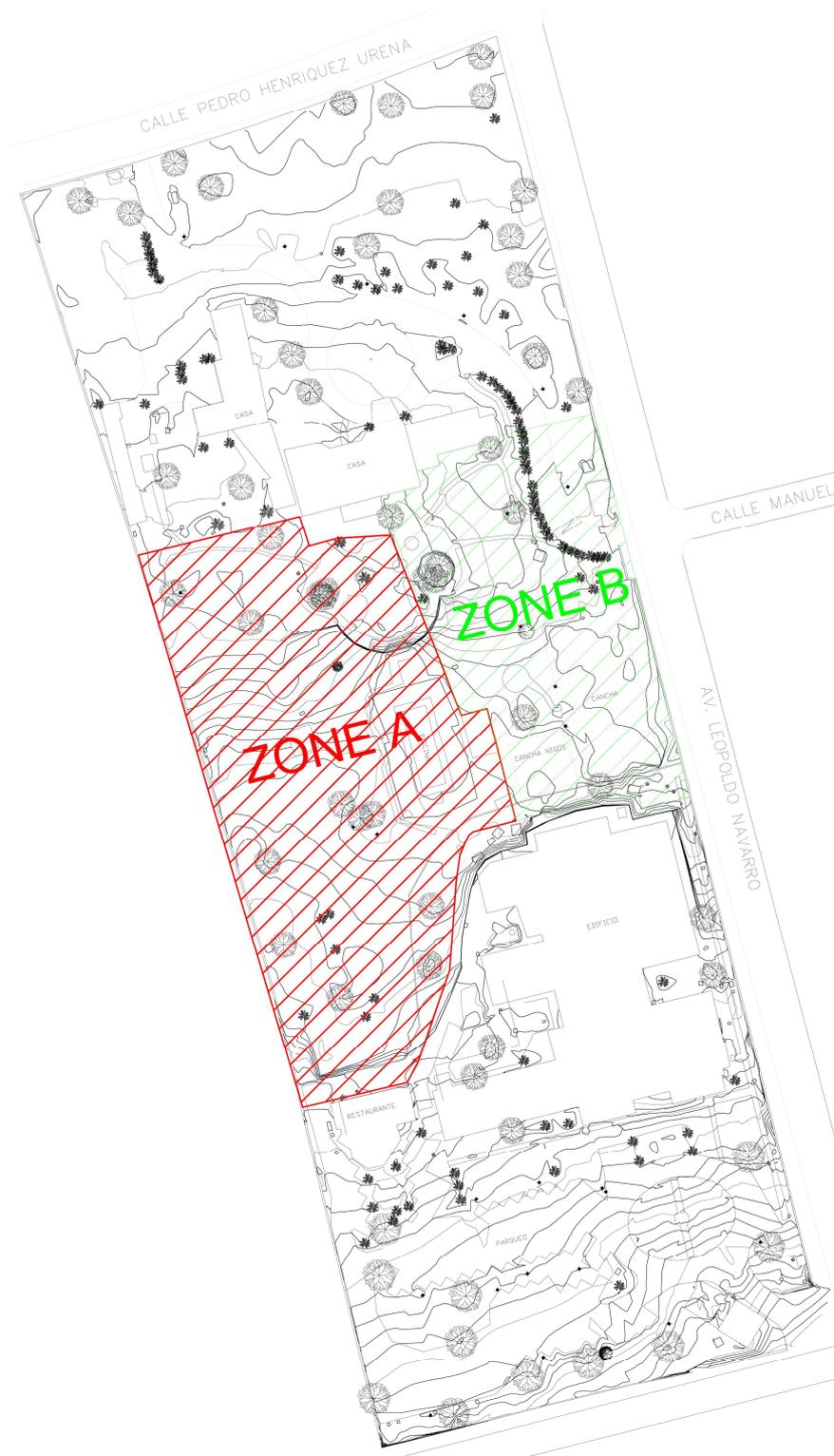
Durations (min.)	RETURN PERIOD (Years)					
	5	10	20	25	50	100
5	145.4571	179.3431	211.8473	222.1581	253.9207	285.4488
10	102.8537	126.8147	149.7987	157.0895	179.5491	201.8428
15	83.9797	103.5438	122.3101	128.2630	146.6012	164.8040
20	72.7286	89.6715	105.9237	111.0790	126.9604	142.7244
25	65.0504	80.2047	94.7410	99.3521	113.5568	127.6566
30	59.3826	73.2165	86.4863	90.6957	103.6627	116.5340
35	54.9776	67.7853	80.0708	83.9679	95.9730	107.8895
40	51.4269	63.4074	74.8993	78.5447	89.7745	100.9214
45	48.4857	59.7810	70.6158	74.0527	84.6402	95.1496
50	45.9976	56.7133	66.9920	70.2526	80.2968	90.2668
55	43.8570	54.0740	63.8744	66.9832	76.5600	86.0661
60	41.9898	51.7719	61.1551	64.1315	73.3006	82.4020

Chart 1.8.

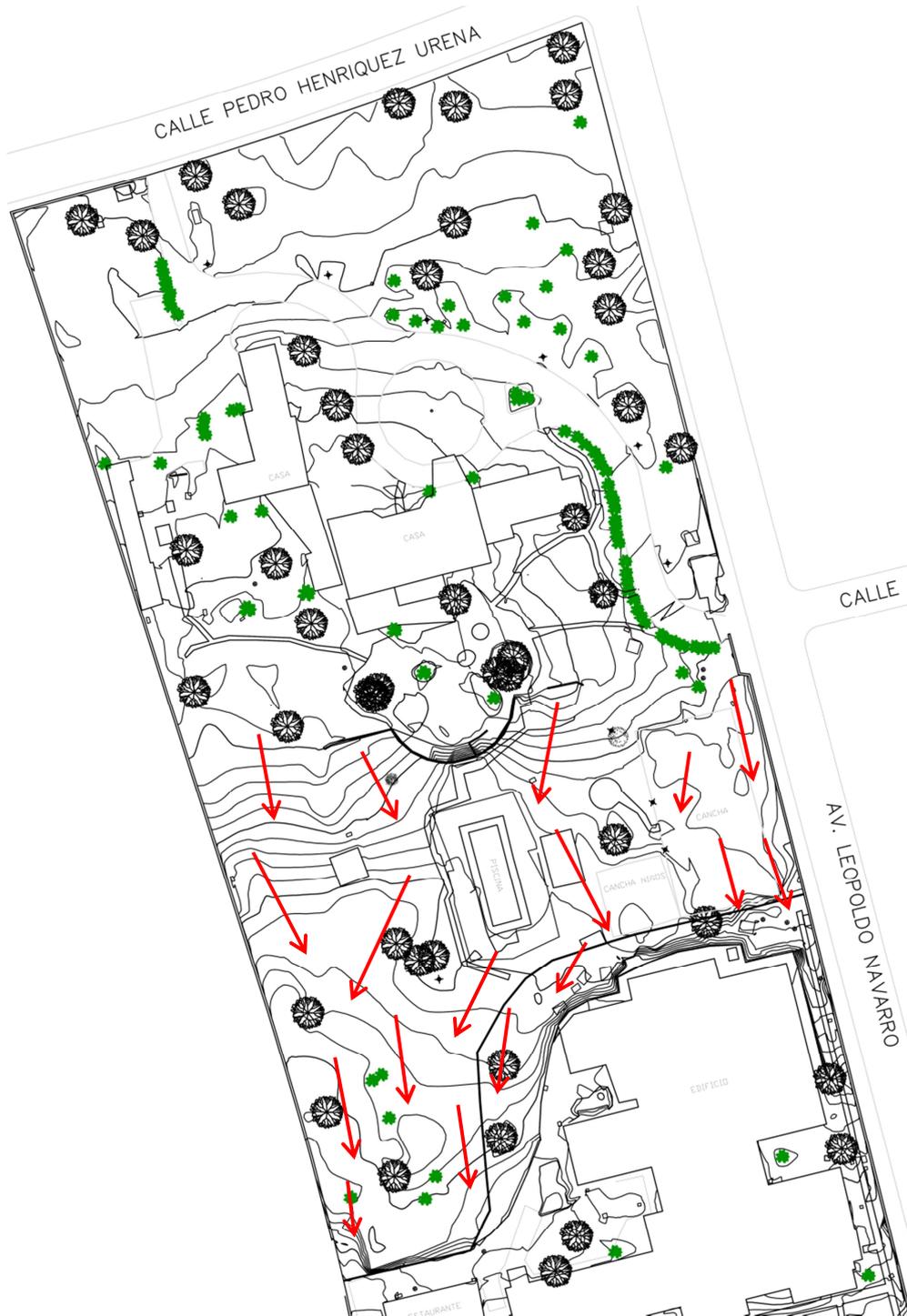


From Design standards for swales the appropriate most critical rain intensity is for a 25 years return period for a 10 minutes duration rainfall intensity. From the IDF Curve we have determined that the intensity of **157.09 mm/hr.** This will be our design value.

AREA OF COVERAGE FOR SURFACE WATER



SURFACE WATER FLOW DIRECTION



SWALE DESIGN

1. WATER FLOW CALCULATION

The rational method is used to estimate the design runoff in areas less than 13 km², but is considered more accurate for smaller areas to 4 km². Theoretically it is based on the following criteria.

- The intensity and distribution of the watershed are uniform throughout their range and occurs over a period of time equal to the time of concentration.
- The maximum flow occurs when the total area of the basin contributes to runoff at the output.
- The runoff coefficient (C) is equal to the percentage of the rain intensity.

The rational method is summarized in the following expression:

$$Q = CIA/3.6$$

Where:

Q: It is the maximum flow rate (in m³ /s) which provides a basin to drain point.

I: It is the maximum rainfall intensity that is expected to occur on a given return period. She corresponds to a rain whose duration is equal to the concentration time (T_c) of the basin and is expressed in mm / h. Obtained from Chart 1.7.

A: It is the basin Surface area measured in Km².

C: It is the runoff coefficient.

Runoff Coefficient:

For small basins presenting a slope of 1.00% considering it as permanent pasture, the ratio would be 0.70.

According to the Runoff Coefficient 3.1 Chart in the Topic 3 (Hydrology) from the M-19 Regulation Book for the standard recommendations for design and construction of drain systems presented by the Ministerio de Obras Publicas y Comunicaciones (MOPC) of Dominican Republic.

USE OF LAND OR COVERAGE	SMALL BASIN FROM 0 TO 10HA. IT HAS A SLOPE OF				MEDIUM BASIN FROM 10 TO 400 HA. IT HAS A SLOPE OF				BASIN FROM 400 HA. TO 1300 HA.
	LESS THAN 5%	FROM 5 TO 10%	FROM 10 TO 30%	OVER 30%	LESS THAN 5%	FROM 5 TO 10%	FROM 10 TO 30%	OVER 30%	
HIGHWAYS (Paved Areas)	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
NAKED SOIL WEEDS GROWING SOIL ERODED SOIL RECENT TILLAGE SOIL	0.80	0.85	0.90	0.95	0.70	0.75	0.80	0.85	0.65
LEGUMES CULTIVATION SOIL DENSE SOW ROTATION MEADOW PASTURELAND	0.75	0.80	0.85	0.90	0.52	0.60	0.72	0.80	0.45
PERMANENT MEADOW	0.70	0.75	0.80	0.85	0.30	0.36	0.42	0.50	0.25
FORREST	0.30	0.50	0.60	0.70	0.13	0.20	0.25	0.30	0.15

Rain Intensity

The maximum intensity of rain is equal to 157.09 mm / h determined by studies mentioned above.

Basin Area

Due to the landscape conditions, we have divided the area of influence for design into two zones, A and B, and we are channeling the recollected storm surface water into to different collectors or desanders. Regarding the conditions we are considering zone A as the most critical. The area of influence for design is approximately 6,843.42 m² for zone A, converted to km² equals 0.00684 km². And the coverage is considered a permanent meadow in apparently most of the area, with an average slope of approximately less than 5%.

Applying the Formula:

$$Q = i$$

$$I = \text{Rain Intensity} = \mathbf{157.09 \text{ mm/s}}$$

$$C = \text{Runoff Coefficient} = \mathbf{0.70}$$

$$A = \text{Area of influence} = \mathbf{0.00684 \text{ km}^2}$$

$$Q = CIA/3.6$$

$$Q = (0.7 \times 157.09 \times 0.00684)/3.6$$

$$Q = 0.753 / 3.6$$

$$Q = \mathbf{0.21 \text{ m}^3/\text{s}}$$

Water flow for design Q=0.21 m³/s

Already known the design flow rate, we proceed to calculate the section of the drainage channel.

2. HYDRAULIC DRAINS SWALE SIZING

It includes determining the cross section of the gutters along its length, in order to drain the design flow previously calculated.

Water flow velocity calculation:

Using Manning's Formula, we can calculate the water velocity for a determined channel section.

$$V = 1/r(R_h)^{2/3}(S)^{1/2}$$

Where:

V= Medium water velocity (m/s)

R_h= Hydraulic radio (m)= **0.12**

Where R_h is the hydraulic radius relative to the wet area (A_c) regarding its wetted perimeter (P). We are estimating the dimensions regarding the water flow of design, taking and specific swale dimension to compare to the minimum dimension required. The Design wet area (A_c) considered to obtain the Hydraulic radio (R_h) is 0.375m² the design is appropriate if A_c > A_{min}.

S= water slope (m/m) = **0.01**

r= Manning Coefficient = **0.035**

For Manning coefficient we took the value from the chart below, according to the swale landscape conditions.

Table 9-4 Values of Manning's *n* to Be Used for Overbank Areas
Along Streams or Rivers

Channel Description	Average Value of <i>n</i>
Grassland	
Short grass	0.030
Tall grass	0.035
Cultivated ground	
Bare ground	0.030
Mature row crops	0.035
Mature field crops	0.040
Brushy areas	
Dense weeds and sparse brush	0.050
Brush-covered with some trees (winter)	0.050
Brush-covered with some trees (summer)	0.060
Dense brush (winter)	0.070
Dense brush (summer)	0.100
Forested	
Densely covered with willows (summer)	0.150
Cleared land with stumps; no new growth	0.040
Cleared land with stumps; dense new growth	0.060
Dense stands of large trees; flood stage below branches	0.100
Dense stands of large trees; flood stage reaching branches	0.120

Applying formula:

$$V = 1/0.035(0.12)^{2/3}(0.01)^{1/2}$$

$$V = 0.70 \text{ m/s}$$

SWALE MINIMUM DESIGN AREA

Process for calculating minimum cross-sectional area:

Formula:

$$A_{min} = Q/V$$

$$Q = \text{Water flow} = 0.21 \text{ m}^3/\text{s}$$

$$V = \text{Water velocity} = 0.70 \text{ m/s}$$

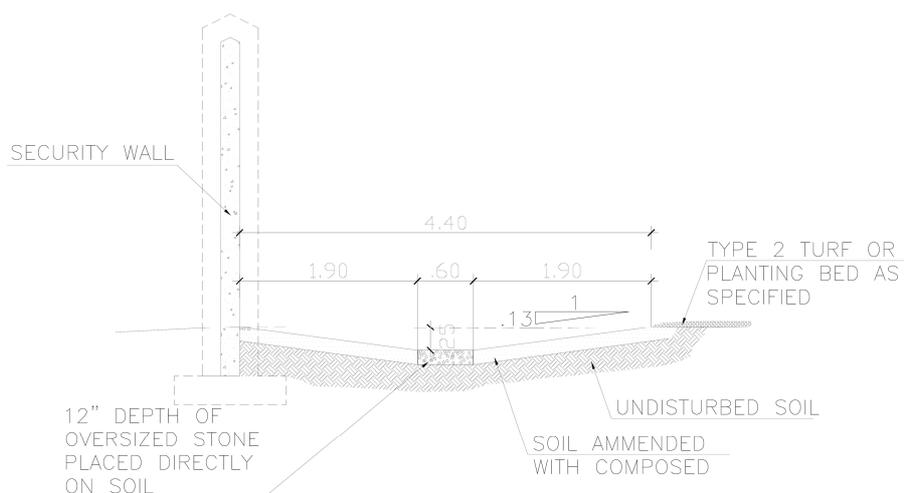
Applying formula:

$$A_{min} = 0.21 \text{ m}^3/\text{s} / 0.70 \text{ m/s}$$

$$A_{min} = 0.30 \text{ m}^2$$

$A_{min} < A_c$ so the Section Area of design is appropriate.

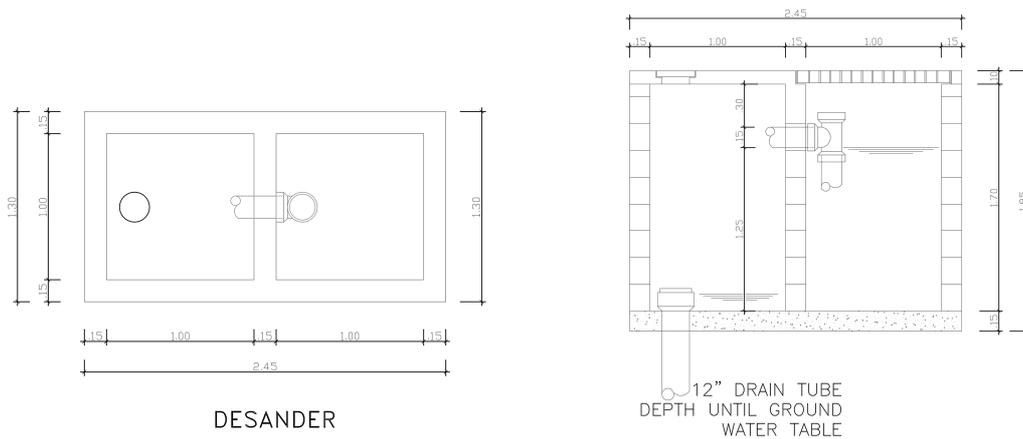
TYPICAL SWALE SECTION DESIGN



DESANDER AND STORMWATER DRAINAGE

According to Corporacion de Acueducto y Alcantarillados de Santo Domingo (CAASD), when there is no storm water or surface water sewers in the area to discharge drainage water, they can dispose rainwater underground. See *Topic 4.3.5 of Design Regulations Handbook for drinking water, sewerage and drainage water systems.*

The minimum diameter of filter for rainwater drainage will be 14" excavation whole with a 12" drainage tube, which can handle the amount of surface water determined in the studies mentioned above at the established rain frequency time.

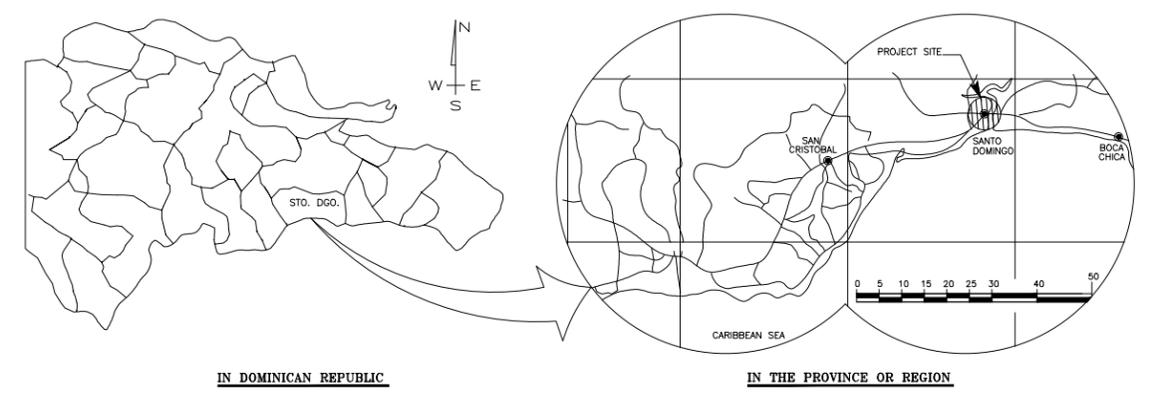


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DESIGN'S CONTENTS

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ARCHITECTURAL DRAWINGS	2-6
STRUCTURAL DRAWINGS	7-12
PLUMBING DRAWINGS	13-18
ELECTRICAL DRAWINGS	19

NOTE:
 ALL THE WORKS IN THIS PROJECT WILL BE EXECUTED, AND ALL MATERIALS WILL STRICTLY COMPLY ACCORDING TO THESE WALL CONSTRUCTION'S SPECIFICATIONS AND ALL THE GENERAL PREVISIONS ESTABLISHED BY THE DOMINICAN CIVIL WORKS AND COMMUNICATIONS MINISTRY, SUBSEQUENTLY WRITTEN IN THESE SPECIFICATIONS OFFICIAL PUBLICATION, STILL IN EFFECT TO THIS DAY'S SUBMITTALS, IN THE INSTRUCTIONS AND SPECIFICATIONS INCLUDED IN THE CONTRACT'S TERMS AND CLAUSES.



IN DOMINICAN REPUBLIC IN THE PROVINCE OR REGION
PROJECT'S LOCATION
 NO ESCALA

WALL'S GENERAL INFORMATION

WALL'S TOTAL LENGTH 1.36 KM.
 WALL'S HIGHT FROM FLOOR LEVEL TO TOP APROX. 3.00 MT.

SUBMITTED BY: _____
 ING. CONSTRUCTORES MODERNOS, C. X. A.
 ARQUITECTOS - INGENIEROS - CONTRATISTAS

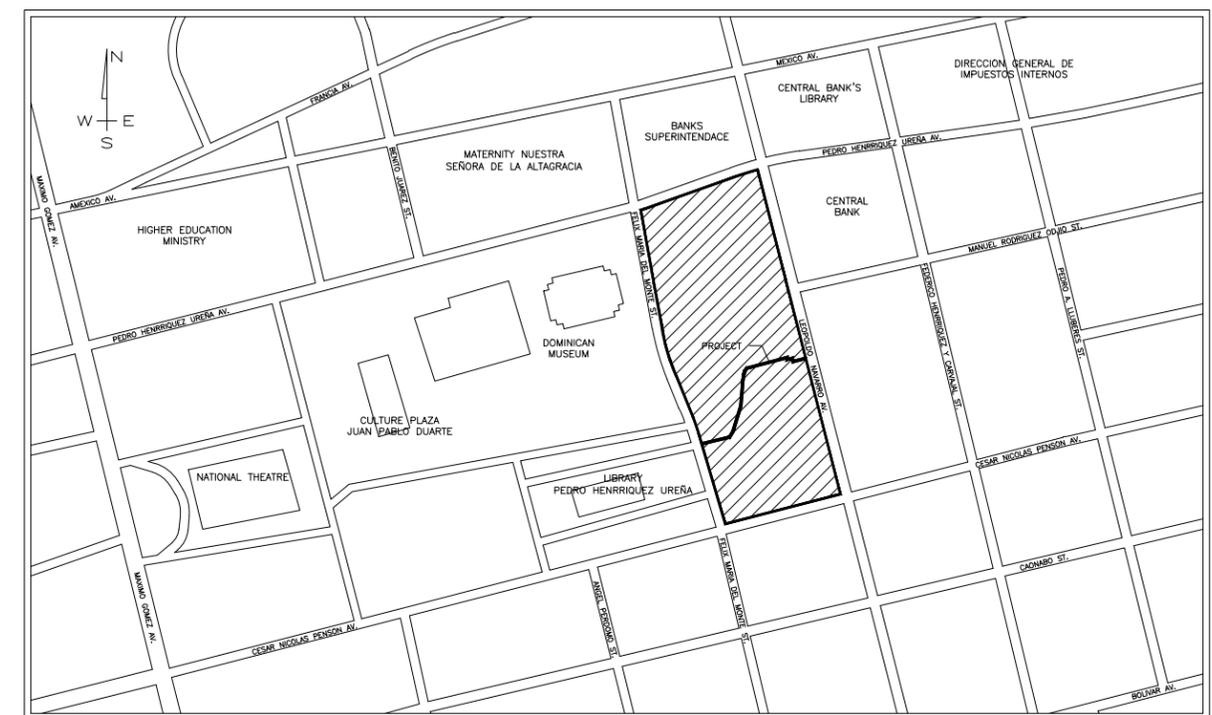
REVISED BY: _____
 AUTHORIZED PERSONNEL
 U.S.G. EMBASSY

APPROVED BY _____
 AUTHORIZED PERSONNEL
 U.S.G EMBASSY



UNITED STATES GOVERNMENT FORMER UNITED STATES EMBASSY

SANTO DOMINGO, DOMINICAN REPUBLIC



SITE LOCATION

PRELIMINARY DRAWINGS SITE DIVISION SECURITY WALL FORMER UNITED STATES EMBASSY

SANTO DOMINGO
 DOMINICAN REPUBLIC

PREPARED BY:

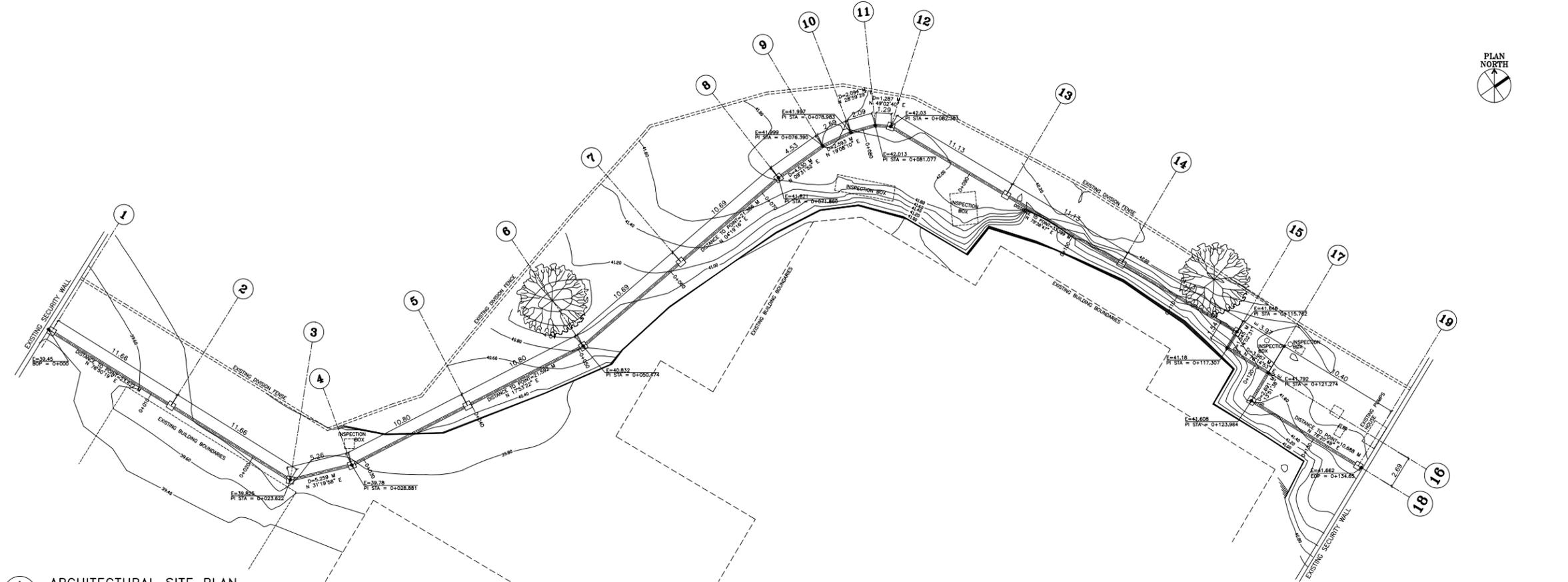
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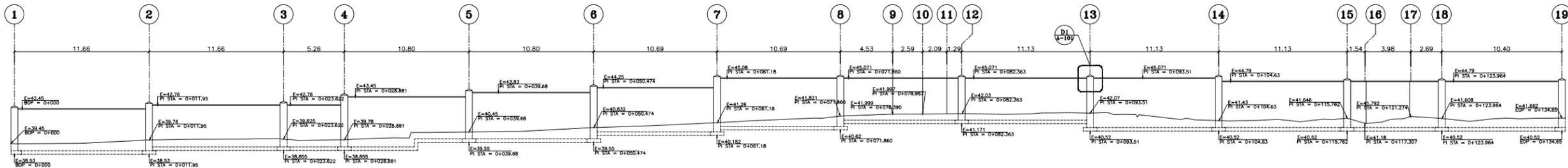
ING. FELIX ACOSTA PRESIDENT
 CODIA: 4280

ING. NELSON CAMILO VICE-PRESIDENT
 CODIA: 3256

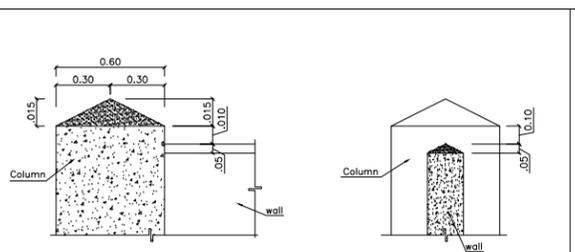
UNCLASSIFIED



1 ARCHITECTURAL SITE PLAN
A-101 ESC. 1:175



2 WALL ELEVATION
A-101 ESC. 1:175



D1 FINISHING WALL DETAIL
A-101 ESC. 1:175

ARCHITECTURAL NOTES

FINISH ON BOTH SIDES OF THE NEW WALL MATCHES THE EXISTING FINISH OF THE ADJACENT WALLS.
- THE NEW WALL IS STEEL REINFORCED POURED IN PLACED CONCRETE WALL, WITH AN EXTERIOR FINISHING PLASTER AND GENERAL WHITE PAINTING ON BOTH SIDES OF THE WALL.
- THE NEW WALL CONTAINS A SUPERIOR NOTCH FINISHING IN ORDER TO MATCH THE EXISTING WALL AS DESCRIBED IN THE FINISHING DETAILS D-1 DESIGN SHEET A-101.

Call: Mar. Henriquez Urena No. 33
Edificio "TORA", 4to. Piso, Esq. Nono
Calle 19 de Septiembre, No. 100
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CONSULTANT:	ING. CONSTRUCTORES MIBERENDS, C. X. A.
ARCHITECTURAL DESIGN:	ARG. PEDRO DALER
STRUCTURAL DESIGN:	ING. NELSON CAMILO
ELECTRIC DESIGN:	ING. NELSON CAMILO
PLUMBING DESIGN:	ING. NELSON CAMILO
MECHANICAL DESIGN:	ING. NELSON CAMILO
CODDA:	1656
DATE:	3256
	3256
	3256

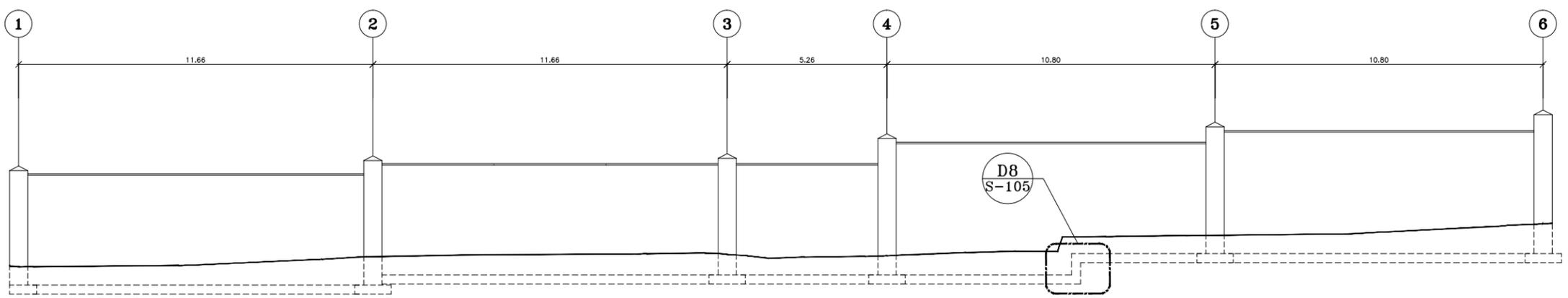
PROJECT NAME:
**SITE DIVISION SECURITY WALL
FORMER UNITED STATES EMBASSY**

ID	DATE	DESCRIPTION

PROYECTO No: USG001
ARCHIVE: DWG/USG
DRAWING:
REVISION: ICM
ESCALE: INDICADA

SHEET TITLE:
LANDSCAPE
AND SITE
ELEVATION
PLANS

1 1ST. FRAME ARCHITECTURAL PLANS
A-103 ESC. 1:75



2 1ST. FRAME ELEVATION
A-103 ESC. 1:75

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ING. CONSTRUCTORES HIERONIMO, C. X. A.	CONSULTANT:	CODIA	DATE
ARCHITECTOS - INGENIEROS - CONTRATISTAS	ARG. PEDRO DALER	1658	
ARCHITECTURAL DESIGN	ING. NELSON CAMILO	3256	
STRUCTURAL DESIGN	ING. NELSON CAMILO	3256	
ELECTRIC DESIGN	ING. NELSON CAMILO	3256	
PLUMBING DESIGN			
MECHANICAL DESIGN			

PROJECT NAME:
**SITE DIVISION SECURITY WALL
 FORMER UNITED STATES EMBASSY**

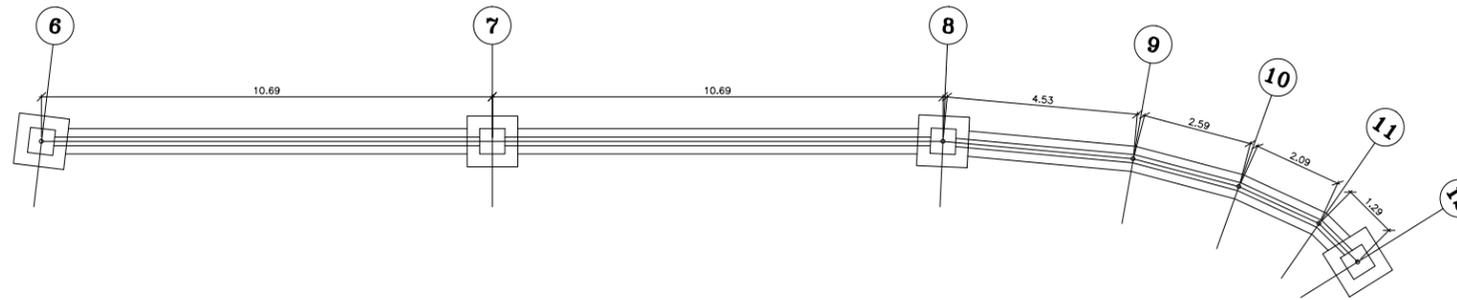
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PROYECTO No: USG-001
 ARCHIVE: DWG/USG
 DRAWING:
 REVISION: ICM
 ESCALE: INDICATED

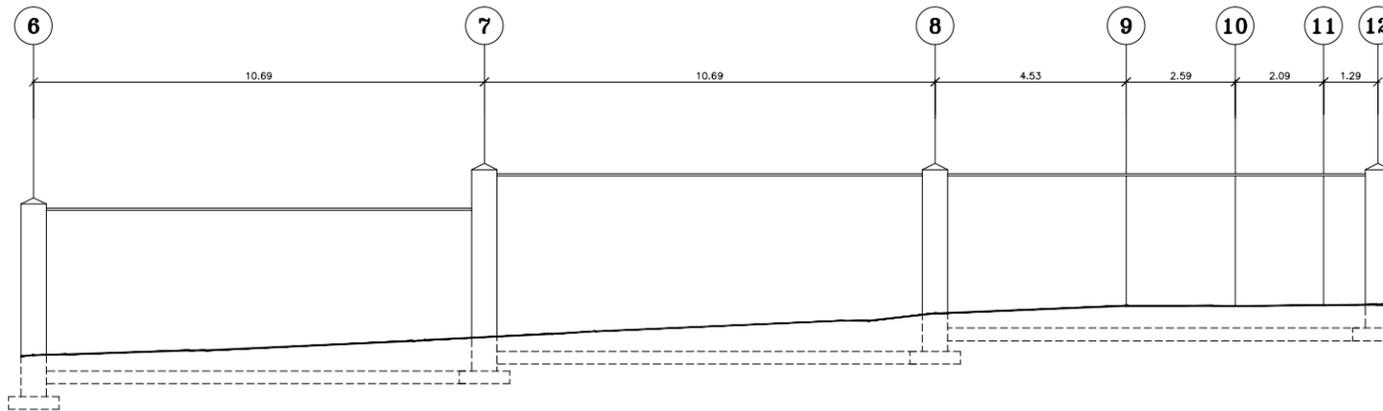
SHEET TITLE:
 ARCHITECTURAL
 AND ELEVATION
 PLANS
 WALL'S 1ST.
 FRAME

A-103
 SHEET No.04 of 19

UNCLASSIFIED



1 2ND. FRAME ARCHITECTURAL PLANS
A-104 ESC. 1:75



2 2ND. FRAME ELEVATION
A-104 ESC. 1:75



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ING. CONSTRUCTORES MIBERNIS, C. X. A.	CONSULTANT:	CODIA	DATE
ARCHITECTOS - INGENIEROS - CONTRATISTAS	ARG. PEDRO DAUER	1658	
ARCHITECTURAL DESIGN	ING. NELSON CAMILO	3256	
STRUCTURAL DESIGN	ING. NELSON CAMILO	3256	
ELECTRIC DESIGN	ING. NELSON CAMILO	3256	
PLUMBING DESIGN	ING. NELSON CAMILO		
MECHANICAL DESIGN	ING. NELSON CAMILO		

PROJECT NAME:
**SITE DIVISION SECURITY WALL
 FORMER UNITED STATES EMBASSY**

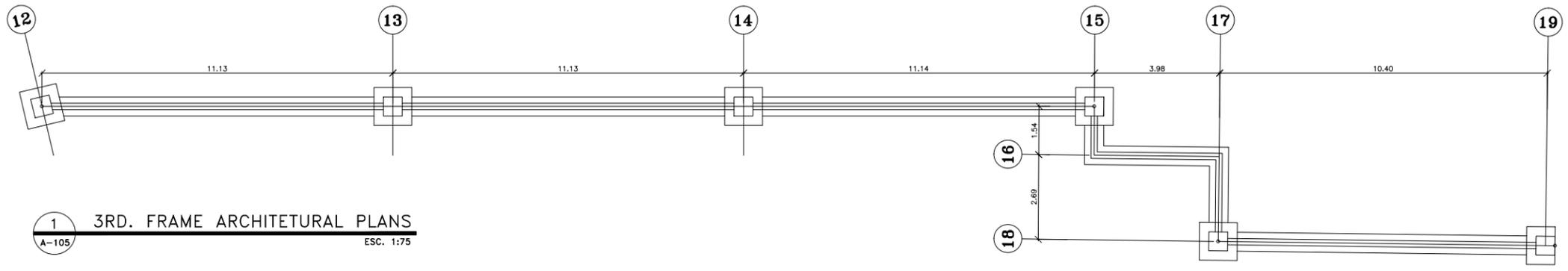
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 DRAWING:
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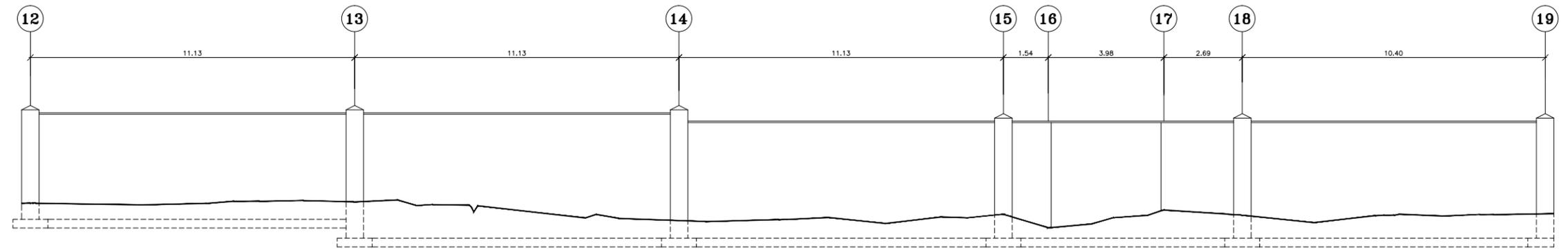
SHEET TITLE:
 ARCHITECTURAL
 AND ELEVATION
 PLANS
 WALL'S 2ND.
 FRAME

A-104
 SHEET No.05 of 19

UNCLASSIFIED



1 3RD. FRAME ARCHITETURAL PLANS
A-105 ESC. 1:75



2 3RD. FRAME ELEVATION
A-105 ESC. 1:75



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ING. CONSTRUCTORES HIERRENS, C. X. A.	CONSULTANT:	CODIA	DATE
ARCHITECTOS - INGENIEROS - CONTABILISTAS	ARG. PEDRO DALER	1656	
ARCHITECTURAL DESIGN	ING. NELSON CAMILO	3256	
STRUCTURAL DESIGN	ING. NELSON CAMILO	3256	
ELECTRIC DESIGN	ING. NELSON CAMILO	3256	
PLUMBING DESIGN	ING. NELSON CAMILO	3256	
MECHANICAL DESIGN	ING. NELSON CAMILO	3256	

PROJECT NAME:
**SITE DIVISION SECURITY WALL
 FORMER UNITED STATES EMBASSY**

ID	DATE	DESCRIPTION

PROYECTO No: USG-001
 ARCHIVE: DWG/USG
 DRAWING:
 REVISION: ICM
 ESCALE: INDICATED

SHEET TITLE:
 ARCHITECTURAL
 AND ELEVATION
 PLANS
 WALL'S 3RD.
 FRAME

UNCLASSIFIED

A-105
SHEET No.06 of 19

GENERAL NOTES

- DURING THE POURING OF THE CONCRETE, ALL STEEL REINFORCEMENT SHALL BE ADEQUATELY FIXED BY STANDARD ACCESSORIES.
- ALL LAP SPLICES OF NEGATIVE (UPPER) REINFORCEMENT IN BEAMS SHALL BE LOCATED IN THE CENTER OF THE CLEAR SPAN.
- ALL LAP SPLICES OF POSITIVE REINFORCEMENT IN BEAMS SHALL BE LOCATED OVER THE SUPPORTS AT A DISTANCE OF TWO (2) TIMES THE DEPTH OF THE BEAM.
- LAP SPLICES IN CENTRAL REINFORCEMENT SHALL BE LOCATED AT A DISTANCE FROM THE FACE OF THE SUPPORTS OF ONE-QUARTER (1/4) THE CLEAR SPAN OF THE BEAM.
- ALL CAST-IN-PLACE CONCRETE SHALL BE OF THE TYPE AND MINIMUM 28-DAY COMPRESSIVE RESISTANCE, F'C, AS SPECIFIED IN THE MATERIAL STRENGTH TABLE AND MINIMUM COVER TABLE.
- ALL STRUCTURAL OPENINGS AROUND OR THAT AFFECT MECHANICAL OR ELECTRICAL EQUIPMENTS OR PLUMBING SHALL BE VERIFIED WITH THE PURCHASED ITEM BEFORE BEGINNING STRUCTURAL WORKS.
- ALL STEEL REINFORCEMENT FOR CONCRETE SHALL COMPLY WITH THE ASTM A615 FABRICATION STANDARD. THE SPECIFIED YIELD RESISTANCE SHALL CONFORM TO THE MATERIAL STRENGTH TABLE AND MINIMUM COVER TABLE.
- IN THE CONCRETE MIX ADD WATER REDUCER AND SUPERPLASTIFIER ADMIXTURES THAT INCREASE THE SLUMP WITHOUT ALTERING THE WATER/CEMENT RATIO FOR THE SPECIFIED STRENGTH.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, LOCATION AND CONDITIONS OF ALL EXISTING AFFECTED STRUCTURES PRIOR TO THE START OF FABRICATION AND/OR CONSTRUCTION.
- ALL POURED CONCRETE SHALL BE ADEQUATELY VIBRATED AND CONSOLIDATED IN ALL STRUCTURAL ELEMENTS.
- FOR OPENINGS AND OTHER DETAILS NOT SHOWN IN STRUCTURAL DRAWINGS, CHECK ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS.
- WIRE MESH REINFORCEMENT USED IN CONCRETE SLABS SHALL COMPLY WITH THE REQUIREMENTS ESTABLISHED BY THE ASTM A185. IF THE WIRE MESH IS SUPPLIED IN SHEETS, A MINIMUM LAP OF 0.30 M EACH WAY SHALL BE PROVIDED.
- MINIMUM SIZE FOR FILLET WELDS MUST BE IN ACCORDANCE WITH SECTION 1.17.2 OF THE A.I.S.C. SPECIFICATIONS, UNLESS SHOWN OTHERWISE IN ARCHITECTURAL OR STRUCTURAL DRAWINGS.
- THE OWNER SHALL BE NOTIFIED OF ANY SOIL FOUND NEAR THE FOUNDATIONS THAT IS ALTERED, UNSTABLE OR HAS LOW BEARING CAPACITY.
- STEEL REINFORCEMENT IN BEAMS AND COLUMNS SHALL NOT BE INTERRUPTED UNLESS OTHERWISE INDICATED.
- REINFORCEMENT PROTECTION AND MINIMUM COVER SHALL COMPLY WITH THE MATERIAL STRENGTH TABLE AND MINIMUM COVER TABLE.
- WHERE STEPPED WALL FOOTING IS REQUIRED, THESE SHALL NOT EXCEED A ONE (1) VERTICAL TO TWO (2) HORIZONTAL SLOPE.

DESIGN CRITERIA

NOTE: ALL DESIGNS ARE BASED ON THE CODES OF THE AMERICAN CONCRETE INSTITUTE (A.C.I.) AND THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), SEISMIC DESIGN OF THE BUREAU OF STANDARDS, REGULATIONS AND SYSTEMS OF MOPC, AND THE INTERNATIONAL BUILDING CODES (IBC) UNLESS OTHERWISE INDICATED.

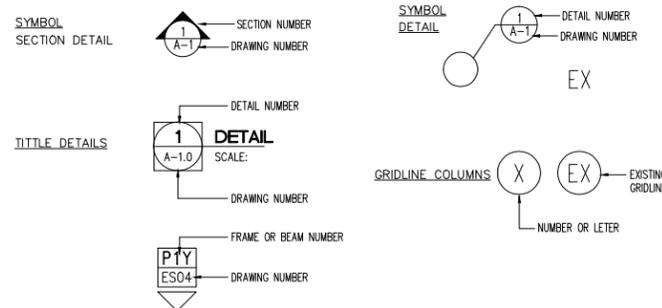
- MINIMUM COMPRESSION STRENGTH CONCRETE:
F'C = 280 KG/CM2 (4,000.00 PSI)
- COLUMNS, WALLS, BEAMS AND SLABS:
F'C = 280 KG/CM2 (4,000.00 PSI)
- STEEL REINFORCEMENT YIELD STRENGTH
FY = 4,200 KG / CM (A60).
- THERE IS NO ALLOWABLE SOIL BEARING PRESSURE MENTIONED IN THE GEOTECHNICAL REPORT. BASED ON THE WALL DIMENSIONS AND ACTUAL GRAVITY LOADS, AN ALLOWABLE SOIL BEARING CAPACITY OF AT LEAST 3000.00 PSF SHOULD BE AVAILABLE ON THE GROUND (SUBJECT TO FOUNDATION INSPECTION) TO PLACE THE NEW FOUNDATIONS.
- LATERAL WIND DESIGN PRESSURE FOR A BASIC WIND SPEED OF 100 MPH: Pnet= 27.0 PSF

- COMPRESSION STRENGTH CONCRETE:
 - FOUNDATIONS F'C = 280 KG/CM2 (4,000.00 PSI)
 - COLUMNS, WALLS, BEAMS AND SLABS F'C = 280 KG/CM2 (4,000.00 PSI)
- STEEL REINFORCEMENT YIELD STRESS:
 - REINFORCEMENT BARS FY = 4,200 KG / CM (A60)
 - WELDED WIREMESH FY = 5,250 KG / CM (A75)
- FREE ELEMENTS COVER:
 - FOUNDATIONS R = 0.075 M
 - COLUMNS R = 0.04 M
 - BEAMS R = 0.05 M
 - SLABS R = 0.02 M
 - WALLS R = 0.02 M
- SOIL PARAMETERS (GEOTECHNICAL SUEVEY ASSESMENT)
 - MINIMUM FOUNDATION DEPTH HF = 0.90 M
- OVERALL THICKNESS IN SOLID CONCRETE SLABS (UNLESS OTHERWISE SPECIFIED):
 - SOLID CONCRETE SLABS T=0.15 M (UNLESS OTHERWISE SPECIFIED)
- ALL REINFORCEMENT STEEL IN SLABS WILL BE $\phi 3 / 8 \text{ @ } 0.25$, UNLESS OTHERWISE SPECIFIED.
- THE SLABS THAT WERE TO BE USED FOR STORAGE OF MATERIALS MUST BE SHORED AS THEY ARE NOT DESIGNED TO RESIST THAT LOADS BY ITSELF.
- FOR FOUNDATIONS, IF LOOSE SOIL FILL MATERIALS ARE ENCOUNTERED DURING THE EXCAVATION, OVER-EXCAVATE TO AT LEAST 0.60 MTS BELOW THE PROPOSED FOOTINGS AND RECONSTRUCT SOIL BY COMPACTING THEM TO AT LEAST 95% PER ASTM D-698 IN LIFTS OF 0.20 MTS EACH, THEN PLACE THE FOOTING.
- IF WEATHERED LIMESTONE OR LIMESTONE CAVITIES ARE FOUND DURING THE EXCAVATION OF THE FOOTINGS, OVER-EXCAVATE THE AREAS TO A REASONABLE DEPTH AND PLACE LEAN CONCRETE OF FLOW ABLE FILL TO FILL THE CAVITIES ENCOUNTERED AND THEN PLACE THE WALL FOOTING.

ABREVIATURAS

A	A.C. A.D.	BOTH FACES ADDITIONAL BOTH DIRECTIONS
C	C	COLUMN
D	D	DINTELS
E	EST. ESC.	STIRRUPS SCALE
F	f'c Fy	CONCRETE COMPRESSIVE STRENGTH STEEL REINFORCEMENT YIELD STRENGTH
M	m	METERS
S	N.F.L.	NATURAL FLOOR LEVEL
S	S.I.C.	OTHERWISE

SYMBOL DESCRIPTION



APPLICABLE CODES

- APPLICABLE CODES AND SPECIFICATIONS
- MINISTRY OF PUBLIC WORKS AND COMMUNICATIONS (MOPC)
 - R-001 STRUCTURES SEISMIC ANALYSIS AND DESIGN CODE
 - AMERICAN CONCRETE INSTITUTE (ACI-318-2005)
 - AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC ASD 9th EDITION)

REBARS BENDING SCHEDULE

STEEL REINFORCEMENT DEVELOPMENT LENGHT (CM)

φ	Fy= 2800 Kg/cm ²				Fy= 4200 Kg/cm ²		
	180	210	280	350	210	280	350
3/8"	30	30	30	30	33	33	33
1/2"	30	30	30	30	45	45	45
3/4"	47	46	45	45	69	67	67
1"	91	82	71	64	123	107	96

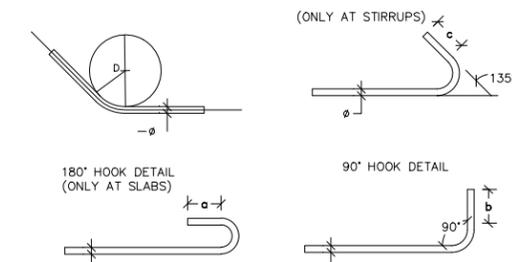
MINIMUM DIAMTER (cm)

φ	D	TODOS	ESTRIBOS
3/8"	6	6	4
1/2"	8	5	-
3/4"	12	-	-
1"	15	-	-

HOOKS (cm)

φ	a	b	c
3/8"	6.5	12	6
1/2"	6.5	15	8
3/4"	8	23	12
1"	10	30	15

135° HOOK DETAIL



BENDING SPLICE LENGHT (CM)

φ	fy= 4200 kg/cm ²			
	50% or less spliced steel rebars		75% & 100% spliced steel rebars	
f'c	210	280	210	280
3/8"	31	31	41	41
1/2"	42	42	54	54
3/4"	64	62	84	82
1"	115	99	150	130

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CONSULTANT:
 ING. CONSTRUCTORES
 INGENIEROS, C. X. A.

ARCHITECTURAL DESIGN: ING. PEDRO CAMILO
 STRUCTURAL DESIGN: ING. NELSON CAMILO
 ELECTRICAL DESIGN: ING. NELSON CAMILO
 PLUMBING DESIGN: ING. NELSON CAMILO
 MECHANICAL DESIGN:

CODA: 1658, 3256, 3256, 3256
 DATE:

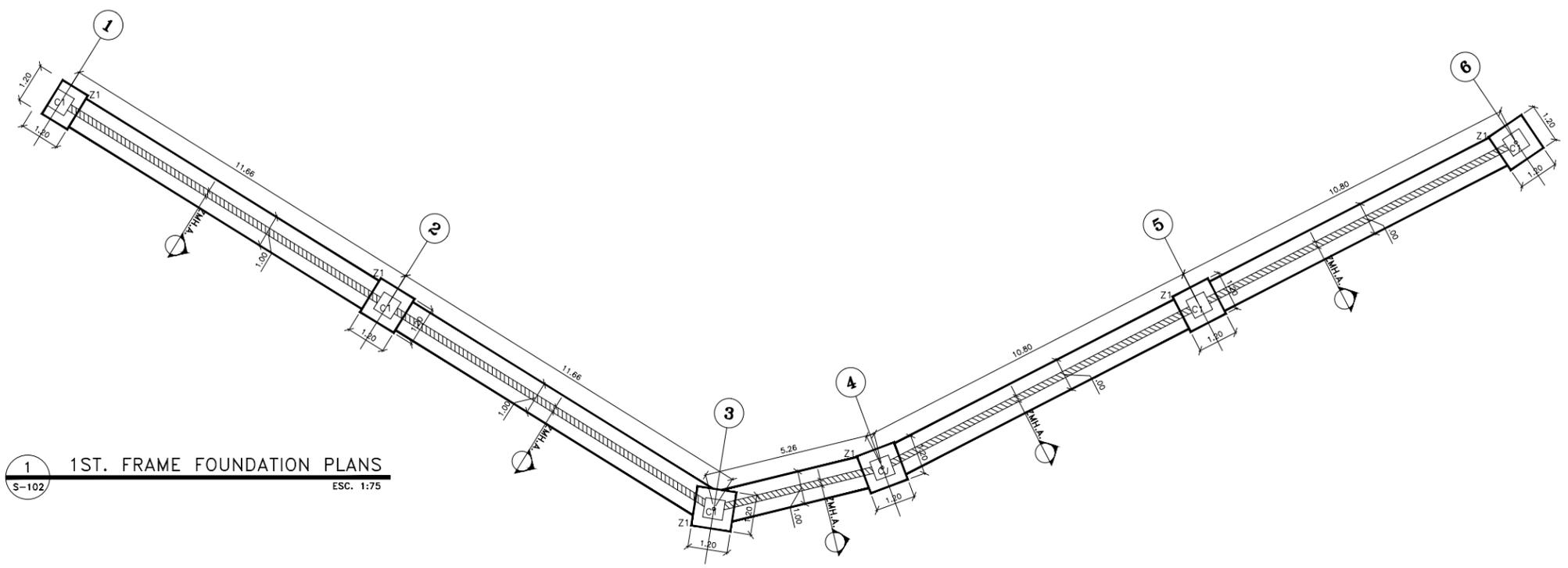
PROJECT NAME:
**SITE DIVISION SECURITY WALL
 FORMER UNITED STATES EMBASSY**

ID	DATE	DESCRIPTION

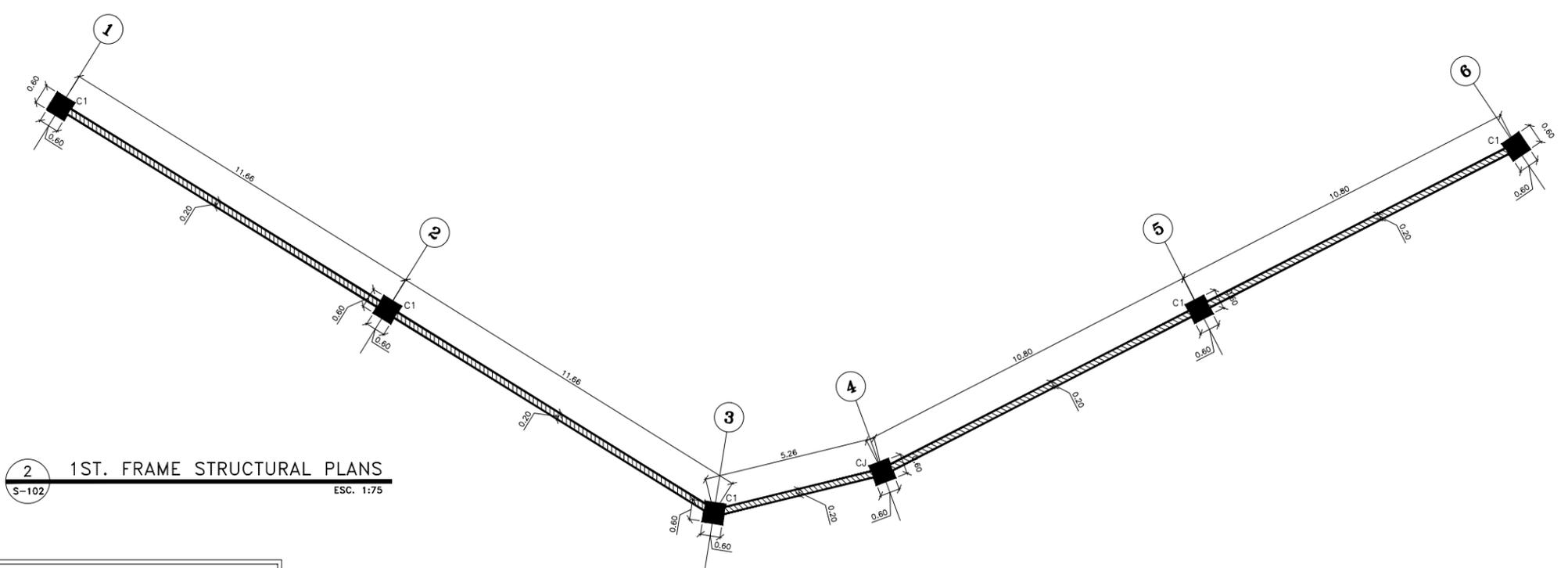
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 ARCHIVE: DWG/USG
 DRAWING:
 REVISION: ICM
 ESCALE: INDICATED

SHEET TITLE:
**STRUCTURAL
 NOTES AND
 ESPECIFICACIONES**

S-101
 SHEET No.07 of 19



1 1ST. FRAME FOUNDATION PLANS
S-102 ESC. 1:75



2 1ST. FRAME STRUCTURAL PLANS
S-102 ESC. 1:75

NOTES:

- CONTROL/CONSTRUCTION JOINTS MUST BE PLACED AT APPROXIMATELY 6.00 METERS OR LESS WHEN REQUIRED, IN THE CENTER OF WALL BETWEEN COLUMNS. FOR CONTROL/CONSTRUCTION JOINT DETAIL SEE DETAIL (D11) IN SHEET S-105.
- EXPANSION JOINTS MUST BE PLACED AT A MAXIMUM SPACING OF 30 METERS, PLACED IN THE CENTER OF COLUMNS THAT SATISFIES SUCH SPACING REQUIREMENTS. FOR EXPANSION JOINT DETAILS SEE DETAILS (D2) AND (D9) IN SHEET S-105.



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	CONSULTANT: ARO. PEDRO DALER ING. NELSON CAMILO ING. NELSON CAMILO ING. NELSON CAMILO ING. NELSON CAMILO
CODIA 1618 3256 3256 3256	DATE

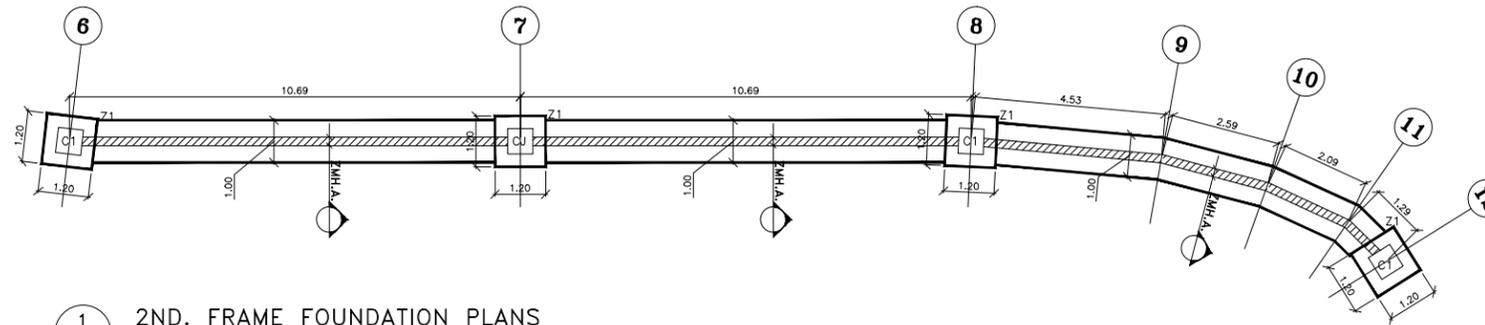
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**SITE DIVISION SECURITY WALL
 FORMER UNITED STATES EMBASSY**

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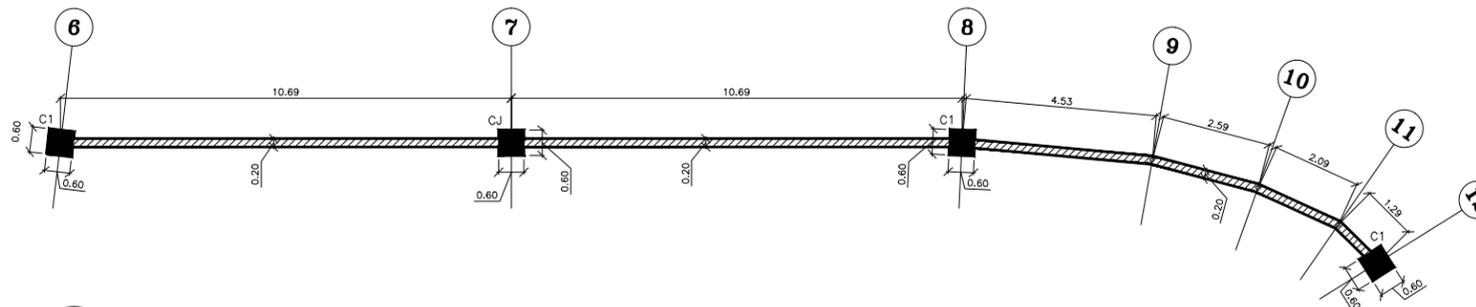
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 ARCHIVE: DWG/USG
 DRAWING:
 REVISION: ICM
 ESCALE: INDICATED
 SHEET TITLE:
**STRUCTURAL
 PLANS
 WALL'S 1ST.
 FRAME**

UNCLASSIFIED

S-102
 SHEET No.08 of 19



1 2ND. FRAME FOUNDATION PLANS
S-103 ESC. 1:75



2 2ND. FRAME STRUCTURAL PLANS
S-103 ESC. 1:75

NOTES:

- CONTROL/CONSTRUCTION JOINTS MUST BE PLACED AT APPROXIMATELY 6.00 METERS OR LESS WHEN REQUIRED, IN THE CENTER OF WALL BETWEEN COLUMNS. FOR CONTROL/CONSTRUCTION JOINT DETAIL SEE DETAIL (D11) IN SHEET S-105.
- EXPANSION JOINTS MUST BE PLACED AT A MAXIMUM SPACING OF 30 METERS, PLACED IN THE CENTER OF COLUMNS THAT SATISFIES SUCH SPACING REQUIREMENTS. FOR EXPANSION JOINT DETAILS SEE DETAILS (D2) AND (D9) IN SHEET S-105.

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ING. CONSTRUCTORES HERNANDEZ, C. X. A. ARQUITECTOS - INGENIEROS - CONTRATISTAS	CONSULTANT: ARO. PEDRO DALER ING. NELSON CAMILO ING. NELSON CAMILO ING. NELSON CAMILO MECHANICAL DESIGN
CODIA 1658 3256 3256 3256	DATE

PROJECT NAME:
**SITE DIVISION SECURITY WALL
 FORMER UNITED STATES EMBASSY**

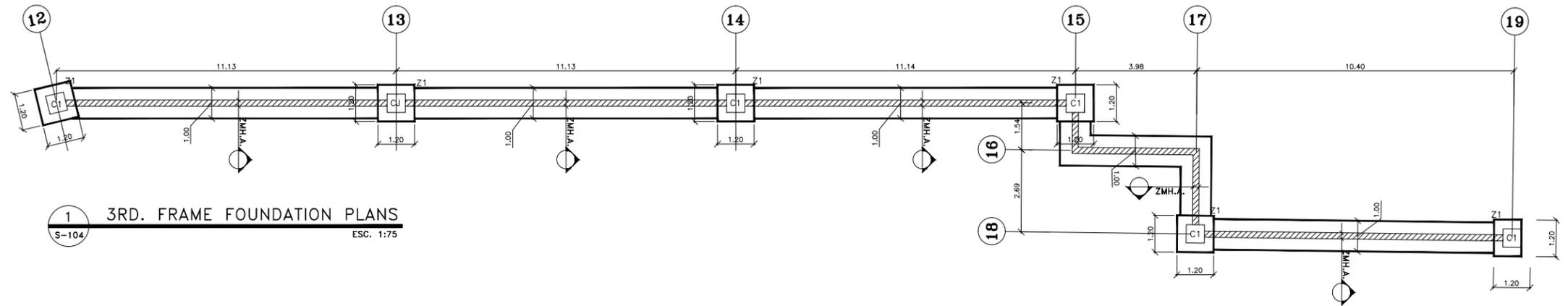
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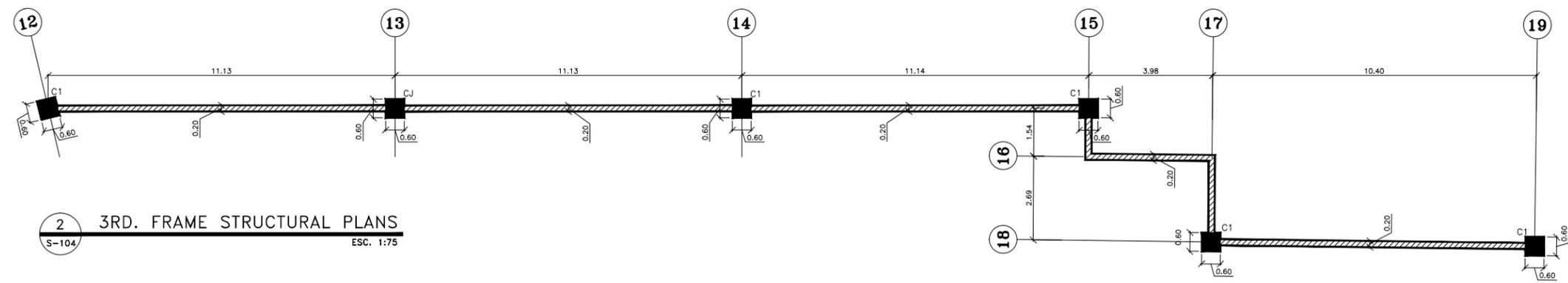
SHEET TITLE:
 STRUCTURAL
 PLANS
 WALL'S 2ND.
 FRAME

UNCLASSIFIED

S-103
 SHEET No.09 of 19



1 3RD. FRAME FOUNDATION PLANS
S-104 ESC. 1:75



2 3RD. FRAME STRUCTURAL PLANS
S-104 ESC. 1:75



NOTES:

- CONTROL/CONSTRUCTION JOINTS MUST BE PLACED AT APPROXIMATELY 6.00 METERS OR LESS WHEN REQUIRED, IN THE CENTER OF WALL BETWEEN COLUMNS. FOR CONTROL/CONSTRUCTION JOINT DETAIL SEE DETAIL (D11) IN SHEET S-105.
- EXPANSION JOINTS MUST BE PLACED AT A MAXIMUM SPACING OF 30 METERS, PLACED IN THE CENTER OF COLUMNS THAT SATISFIES SUCH SPACING REQUIREMENTS. FOR EXPANSION JOINT DETAILS SEE DETAILS (D2) AND (D9) IN SHEET S-105.

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INC. CONSTRUCTORES HIERRENS, C. X. A.	CONSULTANT:	CODIA	DATE
ARCHITECTOS - INGENIEROS - CONTRATISTAS	ARQ. PEDRO DAHER	1658	
ARCHITECTURAL DESIGN	ING. NELSON CAMILO	3256	
STRUCTURAL DESIGN	ING. NELSON CAMILO	3256	
ELECTRIC DESIGN	ING. NELSON CAMILO	3256	
PLUMBING DESIGN	ING. NELSON CAMILO	3256	
MECHANICAL DESIGN	ING. NELSON CAMILO	3256	

PROJECT NAME:
**SITE DIVISION SECURITY WALL
FORMER UNITED STATES EMBASSY**

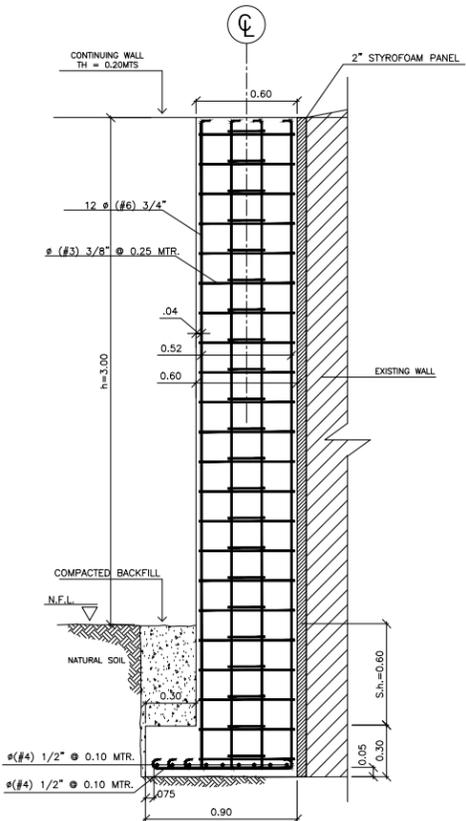
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REVISION: ICM
ESCALE: INDICATED

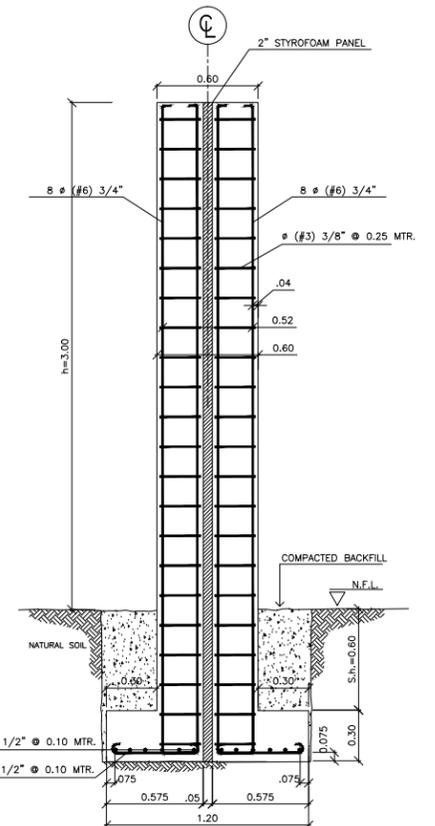
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STRUCTURAL
PLANS
WALL'S 3RD.
FRAME

UNCLASSIFIED

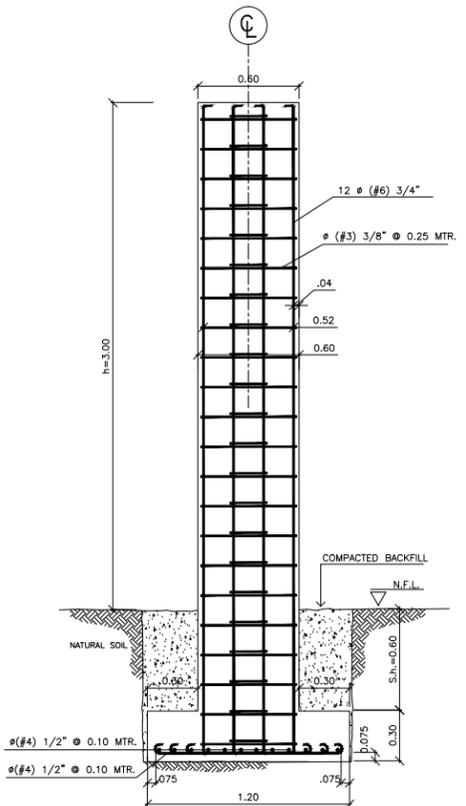
S-104
SHEET No.10 of 19



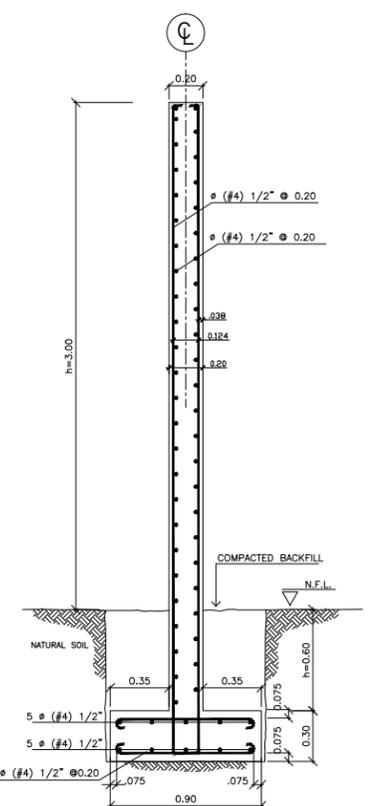
D1 COLUMN-EXISTING WALL TYPICAL SECTION
S-105 NO ESC.



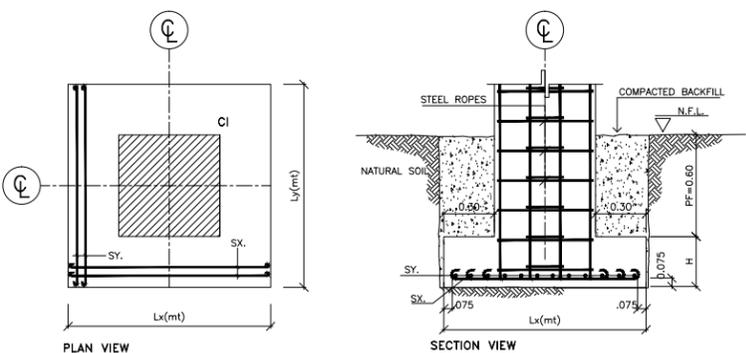
D2 COLUMN JOINT TYPICAL SECTION
S-105 NO ESC.



D3 COLUMN TYPICAL SECTION
S-105 NO ESC.

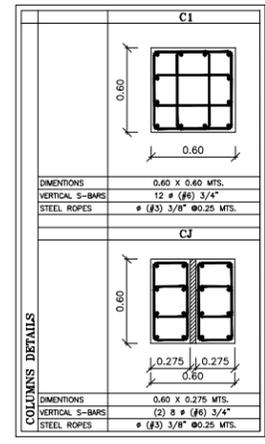


D4 WALL TYPICAL SECTION
S-105 NO ESC.

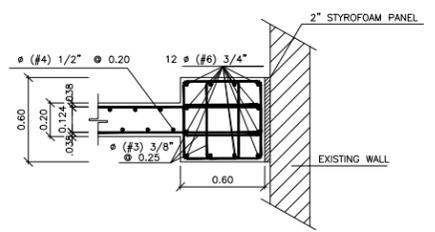


FOOTING	DIMENSIONS (mts)			COVER (mts)		REINFORCEMENT (mts)	
	LX	LY	H	C	SX	SY	
Z1	1.20	1.20	0.30	0.075	#1/2 @ 0.10	#1/2 @ 0.10	
Z2	1.20	0.90	0.30	0.075	#1/2 @ 0.10	#1/2 @ 0.10	

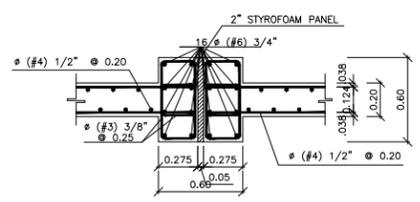
D5 FOOTING DETAILS
S-105 NO ESC.



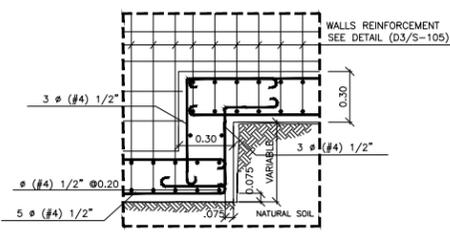
D7 COLUMNS DETAILS
S-105 NO ESC.



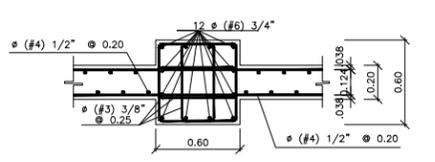
D8 EXISTING WALL-COLUMN EXPANSION JOINT DETAIL
S-105 NO ESC.



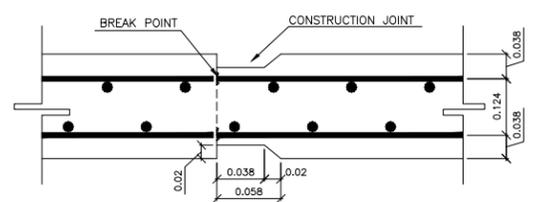
D9 COLUMN-COLUMN EXPANSION JOINT DETAIL
S-105 NO ESC.



D6 STEPPED FOOTING DETAIL
S-105 NO ESC.



D10 WALL-COLUMN CONNECTION
S-105 NO ESC.



D11 CONTROL/CONSTRUCTION JOINT DETAIL
S-105 NO ESC.

CONSULTANT:
 ING. PEDRO DAUER
 ARCHITECTURAL DESIGN
 ING. NELSON CAMILO
 STRUCTURAL DESIGN
 ING. NELSON CAMILO
 ELECTRICAL DESIGN
 ING. NELSON CAMILO
 PLUMBING DESIGN
 ING. NELSON CAMILO
 MECHANICAL DESIGN

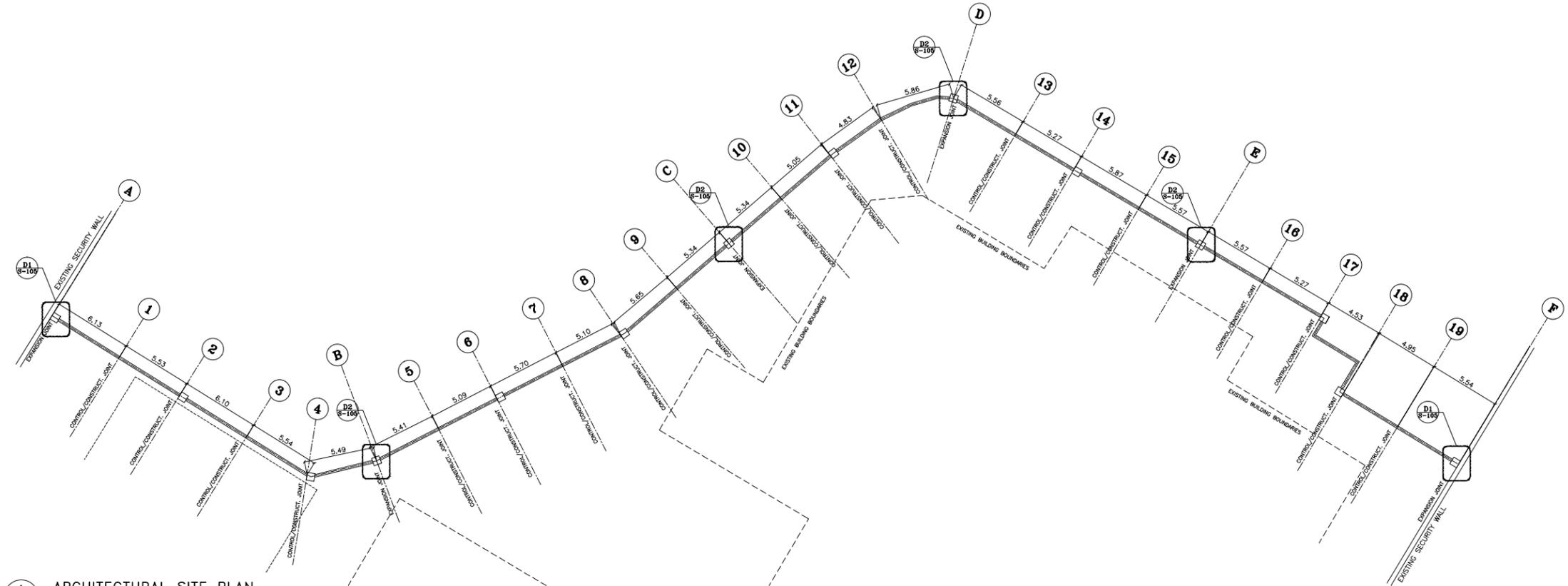
SITE DIVISION SECURITY WALL
FORMER UNITED STATES EMBASSY

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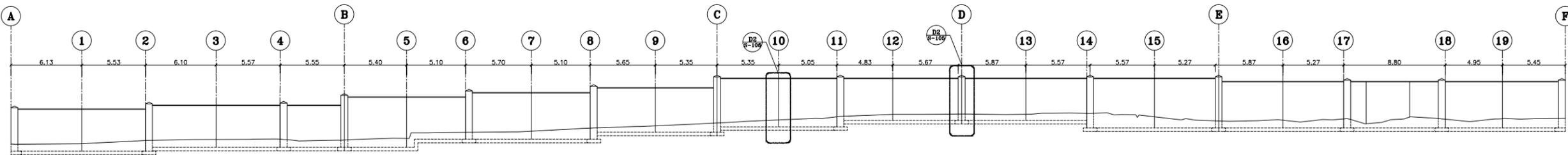
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 DRAWING:
 REVISION: ICM
 ESCALE: INDICATED

SHEET TITLE:
STRUCTURAL
DETAILS

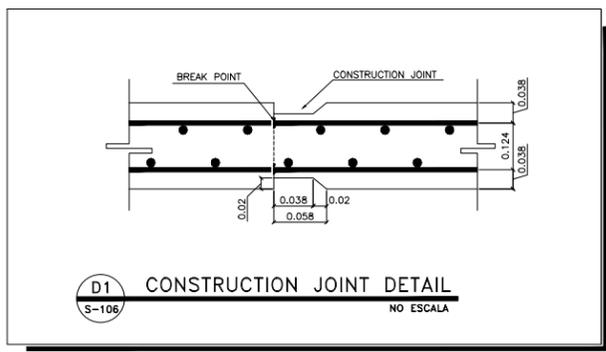
UNCLASSIFIED



1 ARCHITECTURAL SITE PLAN
S-106 ESC. 1:175



2 WALL ELEVATION
S-106 ESC. 1:175



D1 CONSTRUCTION JOINT DETAIL
S-106 NO ESCALA

Calle Mar Henriquez Urbana No. 37 Edificio "TORA", 4to. Piso, Esq. Nono y Calle 10 de Agosto, San Juan, P.R. TEL. (809) 840-8807/840-8809, 844-5505	
	CONSULTANT: ING. CONSTRUCTORES HERNANDEZ, C. X. A. ARCHITECTS - ENGINEERS - CONTRACTORS
CODA 1658 3256 3256 3256	DATE
ARCHITECTURAL DESIGN STRUCTURAL DESIGN ELECTRIC DESIGN PLUMBING DESIGN MECHANICAL DESIGN	CONSULTANT: ARQ. PEDRO DALIER ING. NELSON CAMILO ING. NELSON CAMILO ING. NELSON CAMILO

PROJECT NAME:
**SITE DIVISION SECURITY WALL
 FORMER UNITED STATES EMBASSY**

ID	DATE	DESCRIPTION

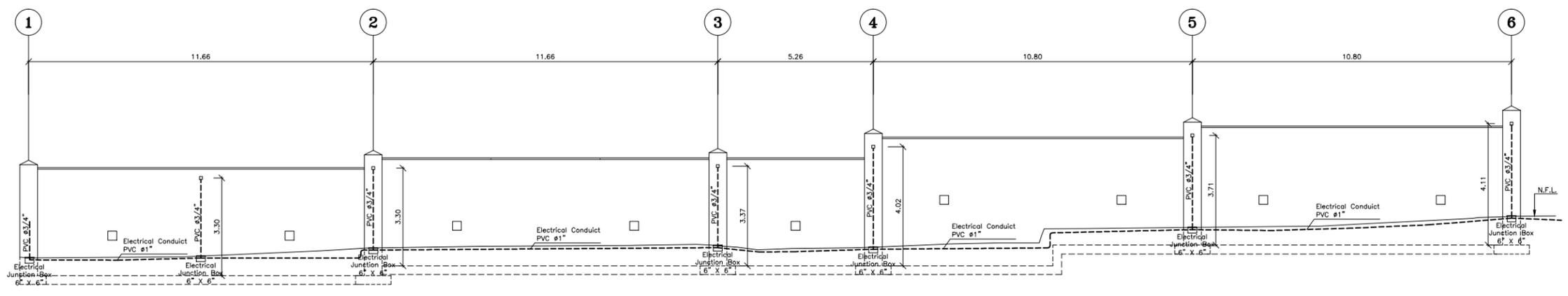
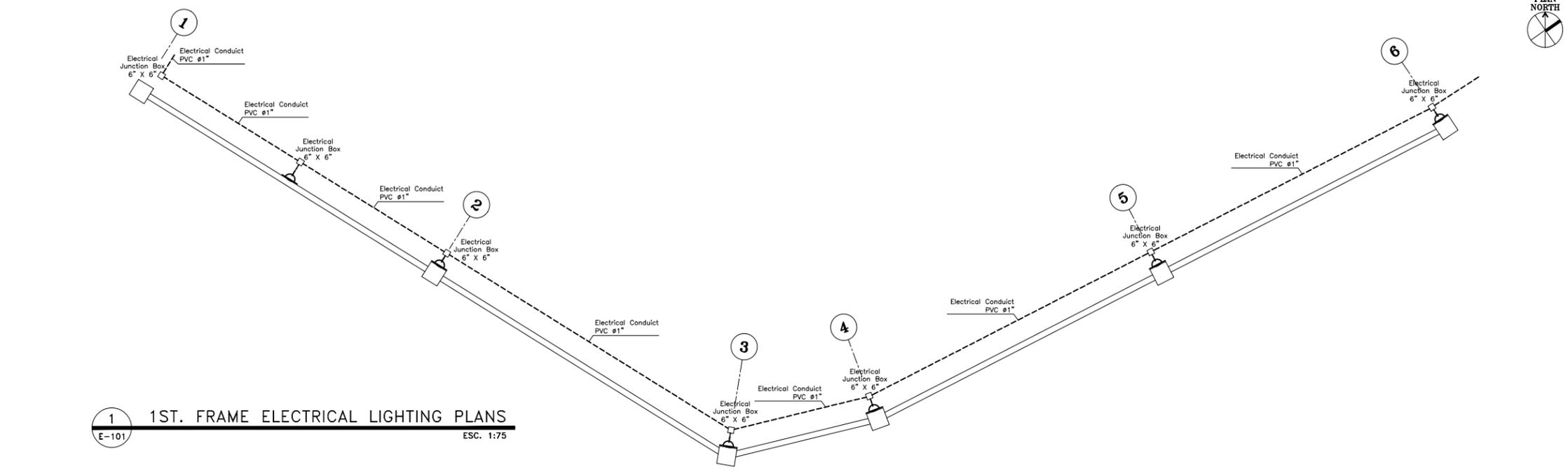
PROYECTO No: USG001
 ARCHIVE: DWG/USG
 DRAWING:
 REVISION: ICM
 ESCALE: INDICADA

SHEET TITLE:
**LANDSCAPE
 AND SITE
 ELEVATION
 PLANS**

S-106
 SHEET No.12 of 19

1 1ST. FRAME ELECTRICAL LIGHTING PLANS
E-101 ESC. 1:75

2 1ST. FRAME ELECTRICAL LIGHTING ELEVATION
E-101 ESC. 1:75



Calle Mar Henriquez Urena No. 33 Edificio "TUPA", 4to. Piso, Esq. Nono Santo Domingo, República Dominicana TEL: (809) 882-8807/882-8808		CODA 1658 3256 3256	DATE
INGENIERIA - CONSTRUCTORES INGENIEROS - CONSULTORES		CONSULTANT: ARQ. PEDRO DALER ING. NELSON CAMILO ING. NELSON CAMILO ING. NELSON CAMILO	
ARCHITECTURAL DESIGN STRUCTURAL DESIGN ELECTRICAL DESIGN PLUMBING DESIGN MECHANICAL DESIGN		ARCHITECT: ARCHITECT: ARCHITECT: ARCHITECT: ARCHITECT:	

PROJECT NAME:
**SITE DIVISION SECURITY WALL
 FORMER UNITED STATES EMBASSY**

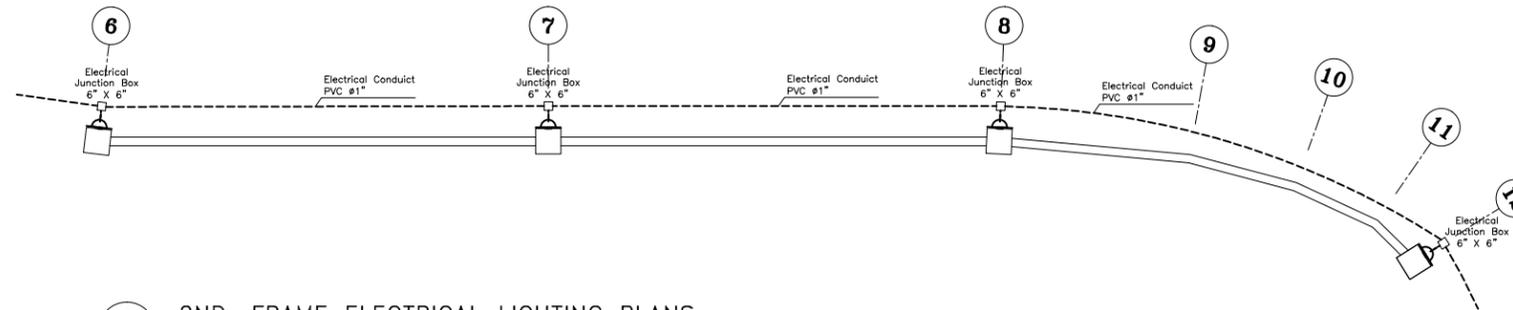
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 DRAWING:
 REVISION: ICM
 ESCALE: INDICADA

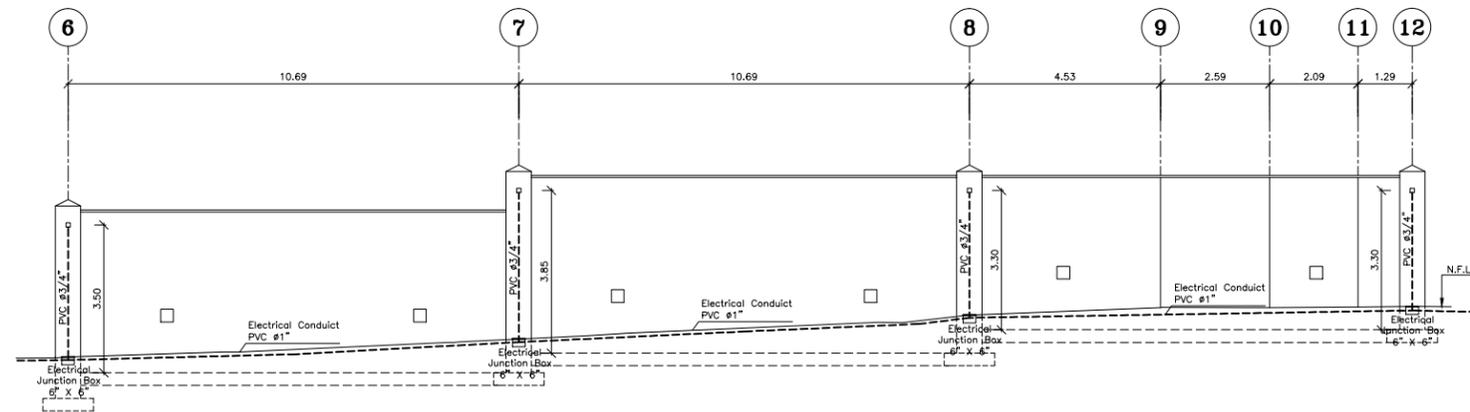
SHEET TITLE:
**ELECTRICAL
 LIGHTING PLANS
 WALL'S 1ST.
 FRAME**

UNCLASSIFIED

E-101
 SHEET No.13 of 19



1 2ND. FRAME ELECTRICAL LIGHTING PLANS
E-102 ESC. 1:75



2 2ND. FRAME ELECTRICAL LIGHTING ELEVATION
E-102 ESC. 1:75

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CONSULTANT: CODA 1618 3256 3256 3256	DATE
ARCHITECTURAL DESIGN STRUCTURAL DESIGN ELECTRIC DESIGN PLUMBING DESIGN MECHANICAL DESIGN	CONSULTANT: ARO, PEDRO DAHER ING. NELSON CAMILO ING. NELSON CAMILO ING. NELSON CAMILO

PROJECT NAME:
**SITE DIVISION SECURITY WALL
 FORMER UNITED STATES EMBASSY**

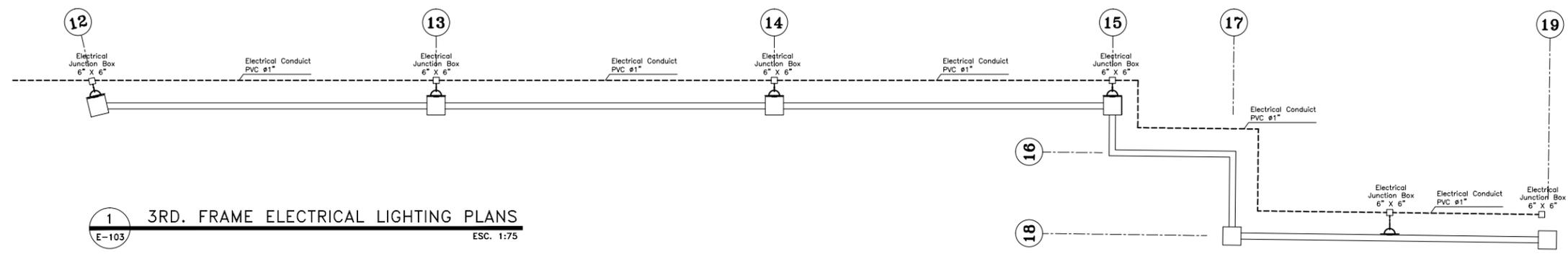
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 ARCHIVE: DWG/USG
 DRAWING:
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 ESCALE: INDICATED

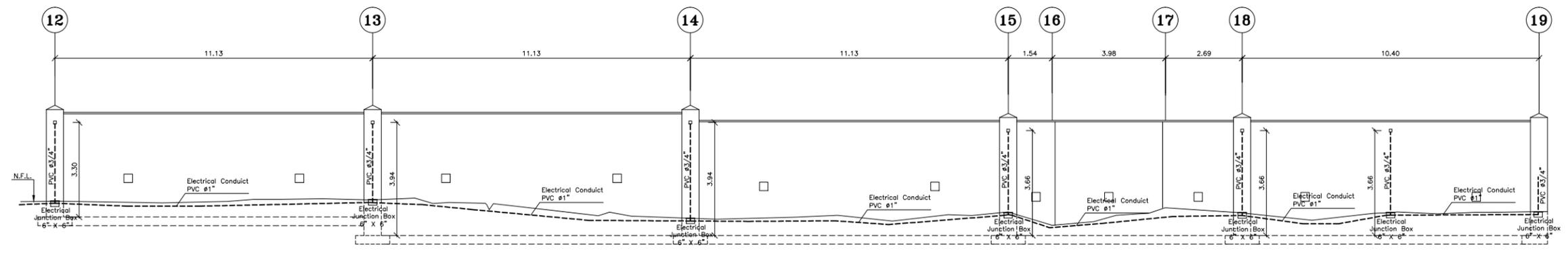
SHEET TITLE:
**ELECTRICAL
 LIGHTING PLANS
 WALL'S 2ND.
 FRAME**

E-102
 SHEET No.14 of 19

UNCLASSIFIED



1 3RD. FRAME ELECTRICAL LIGHTING PLANS
E-103 ESC. 1:75



2 3RD. FRAME ELECTRICAL LIGHTING ELEVATION
E-103 ESC. 1:75



Calle Mar Henriquez Urbana No. 33
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 Santo Domingo, República Dominicana
 TEL. (809) 882-8807/88 (809) 544-5505

ING. CONSTRUCTORES HIERRENS, C. X. A.	CONSULTANT:	CODIA	DATE
ARQUITECTOS - INGENIEROS - CONTRATISTAS	ARG. PEDRO DALER	1658	
ARCHITECTURAL DESIGN	ING. NELSON CAMILO	3256	
STRUCTURAL DESIGN	ING. NELSON CAMILO	3256	
ELECTRIC DESIGN	ING. NELSON CAMILO	3256	
PLUMBING DESIGN	ING. NELSON CAMILO	3256	
MECHANICAL DESIGN	ING. NELSON CAMILO	3256	

PROJECT NAME:
**SITE DIVISION SECURITY WALL
 FORMER UNITED STATES EMBASSY**

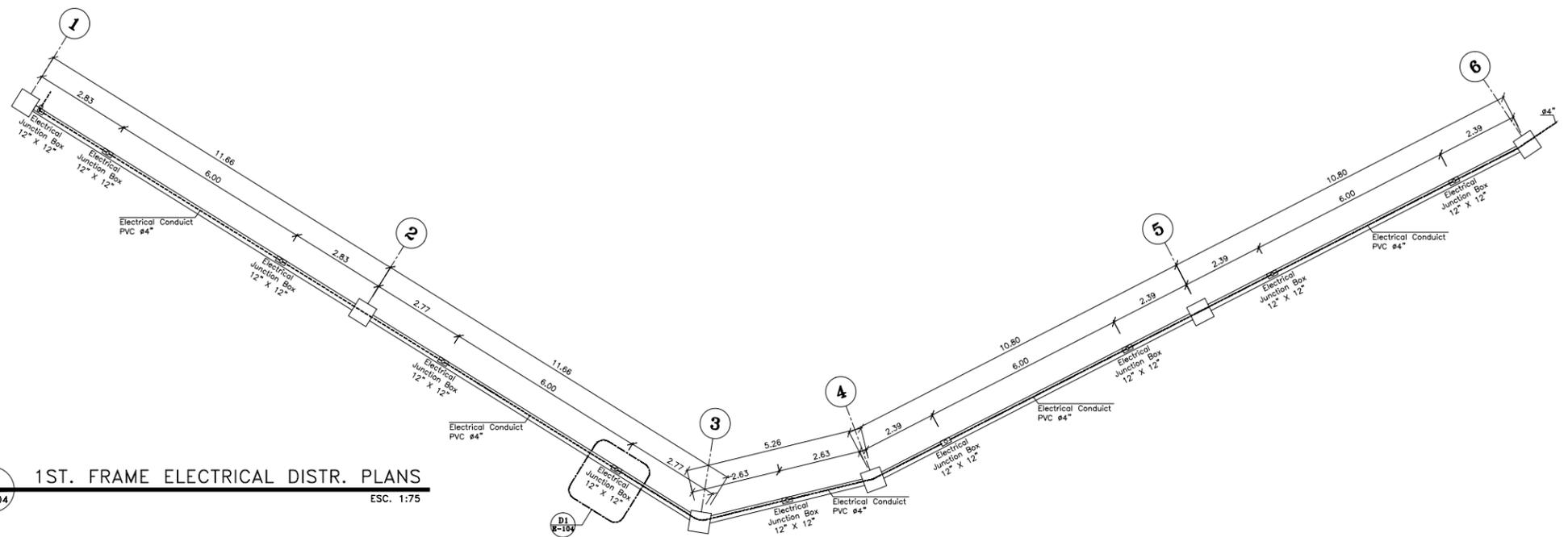
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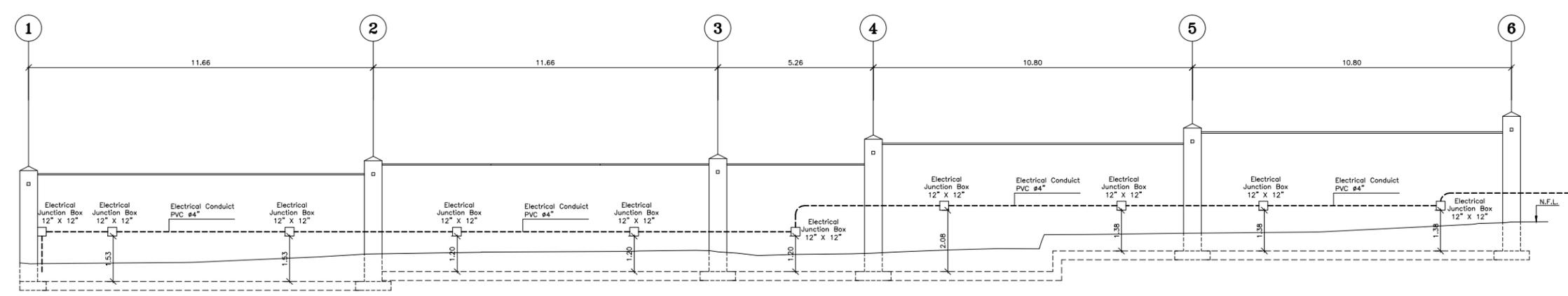
SHEET TITLE:
**ELECTRICAL
 LIGHTING PLANS
 WALL'S 3RD.
 FRAME**

UNCLASSIFIED

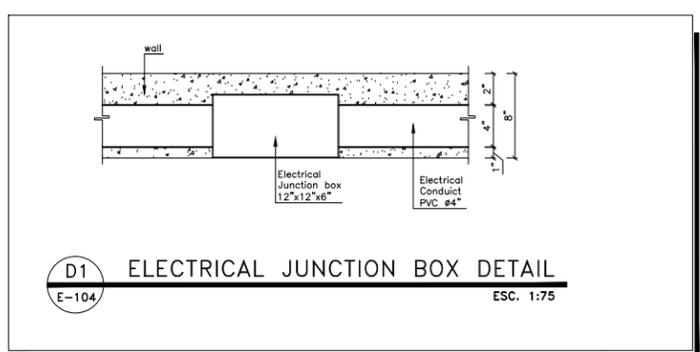
E-103
SHEET No.15 of 19



1 1ST. FRAME ELECTRICAL DISTR. PLANS
E-104 ESC. 1:75



2 1ST. FRAME ELECTRICAL DISTR. ELEVATION
E-104 ESC. 1:75



D1 ELECTRICAL JUNCTION BOX DETAIL
E-104 ESC. 1:75



ING. CONSTRUCTORES
MIBERENS, C. X. A.
ARQUITECTOS - INGENIEROS - CONTRATISTAS

CONSULTANT:
ARG. PEDRO DALER
ING. NELSON CAMILO
ING. NELSON CAMILO
ING. NELSON CAMILO

ARCHITECTURAL DESIGN	STRUCTURAL DESIGN	ELECTRIC DESIGN	PLUMBING DESIGN	MECHANICAL DESIGN

PROJECT NAME:
SITE DIVISION SECURITY WALL
FORMER UNITED STATES EMBASSY

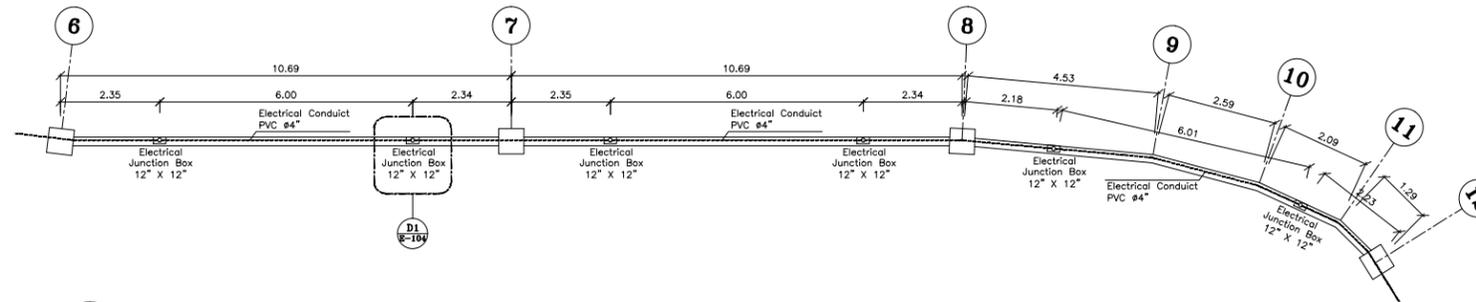
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ARCHIVE: DWG/USG
DRAWING:
REVISION: ICM
ESCALE: INDICADA

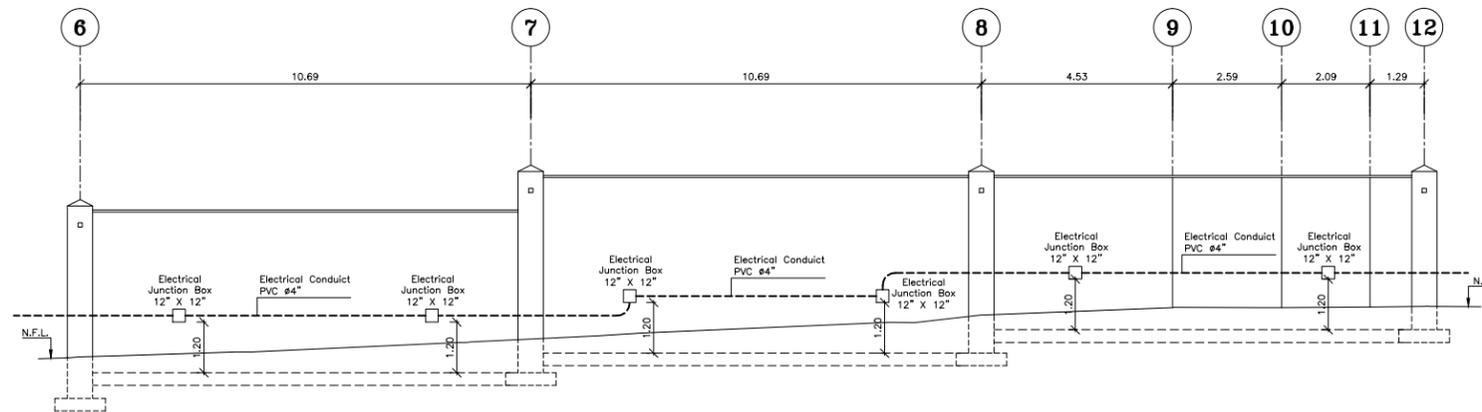
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ELECTRICAL
DISTRIBUTION
WALL'S 1ST.
FRAME

UNCLASSIFIED

E-104
SHEET No.16 of 19



1 2ND. FRAME ELECTRICAL DISTR. PLANS
E-102 ESC. 1:75



2 2ND. FRAME ELECTRICAL DISTR. ELEVATION
E-102 ESC. 1:75

Calle Mar Henriquez Urbana No. 33 Edificio "PDA", 4to. Piso, Esq. Nono Santo Domingo, República Dominicana TEL: (809) 882-8807/882-8808 844-5500	
CONSULTANT: ING. CONSTRUCTORES MIBERNIS, C. X. A.	CODA 1658 3266 3266 3266
ARCHITECTURAL DESIGN STRUCTURAL DESIGN ELECTRICAL DESIGN PLUMBING DESIGN MECHANICAL DESIGN	CONSULTANT: ARO. PEDRO DAER ING. NELSON CAMILO ING. NELSON CAMILO ING. NELSON CAMILO

PROJECT NAME:
**SITE DIVISION SECURITY WALL
 FORMER UNITED STATES EMBASSY**

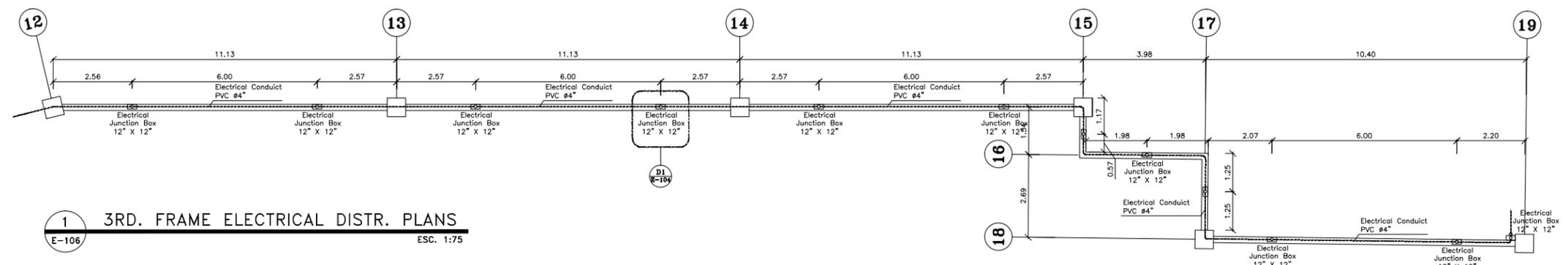
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 ESCALE: INDICATED

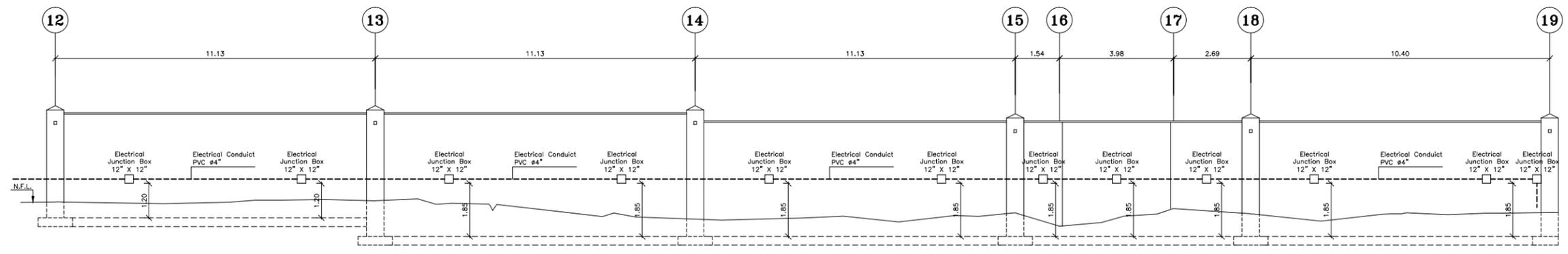
SHEET TITLE:
**ELECTRICAL
 DISTRIBUTION
 WALL'S 2ND.
 FRAME**

E-105
 SHEET No.17 of 19

UNCLASSIFIED



1 3RD. FRAME ELECTRICAL DISTR. PLANS
E-106 ESC. 1:75



2 3RD. FRAME ELECTRICAL DISTR. ELEVATION
E-106 ESC. 1:75



Calle Mar Henriquez Urena No. 33 Edificio "PDA", 4to. Piso, Esq. Nono Santo Domingo, República Dominicana TEL: (809) 880-8807/880-8808	
CONSULTANT:	CODIA
ARCHITECTURAL DESIGN	1658
STRUCTURAL DESIGN	3256
ELECTRIC DESIGN	3256
PLUMBING DESIGN	3256
MECHANICAL DESIGN	3256

PROJECT NAME:
**SITE DIVISION SECURITY WALL
 FORMER UNITED STATES EMBASSY**

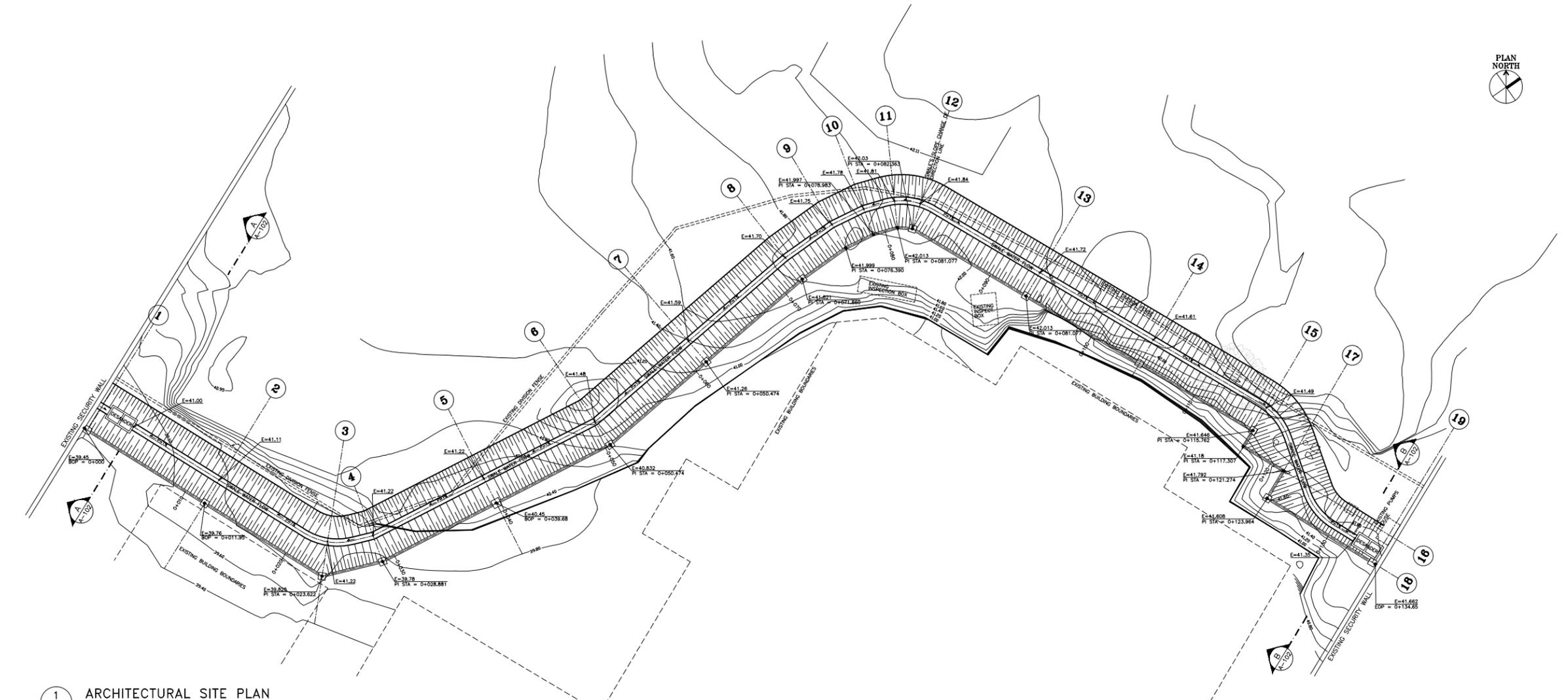
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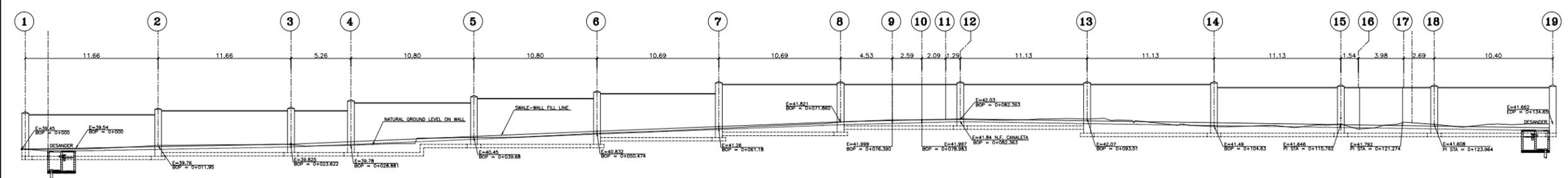
SHEET TITLE:
**ELECTRICAL
 DISTRIBUTION
 WALL'S 3RD.
 FRAME**

E-106
 SHEET No.18 of 19

UNCLASSIFIED



1 ARCHITECTURAL SITE PLAN
P-101 ESC. 1:175



2 WALL SECTION
P-101 ESC. 1:175

ING. CONSTRUCTORES MIBERNIS, C. X. A.	CONSULTANT:	CODA	DATE
ARQUITECTOS - INGENIEROS - CONTRATISTAS	ARQ. PEDRO DALER	1658	
	ING. NELSON CAMILO	3256	
	ING. NELSON CAMILO	3256	
	ING. NELSON CAMILO	3256	
	ING. NELSON CAMILO	3256	

PROYECTO No:	USG001
ARCHIVE:	DWG/USG
DRAWING:	
REVISION:	ICM
ESCALE:	INDICADA

PROJECT NAME:
**SITE DIVISION SECURITY WALL
FORMER UNITED STATES EMBASSY**

ID	DATE	DESCRIPTION

PROYECTO No:	USG001
ARCHIVE:	DWG/USG
DRAWING:	
REVISION:	ICM
ESCALE:	INDICADA

SHEET TITLE:
STORM RAIN
DRAINAGE
SITE
PLAN