



*Embassy of the United States of America
Lisbon, Portugal.*

August 20, 2020

Dear Prospective Quoter:

SUBJECT: Solicitation Number 19P05020Q0021
Remodeling of the MSGR Bathrooms

The Embassy of the United States of America invites you to submit a quotation for Remodeling of the MSGR Bathrooms at the U.S. Embassy Lisbon.

The Embassy intends to conduct a site visit and pre-quotation conference at the American Embassy Lisbon, Avenida dos Combatentes, Lisbon (Back entrance of the Embassy), September 2, 2020 at 10.00 a.m. and all prospective quoters are invited to attend. Prospective quoters must notify the Procurement Section by e-mail LisbonProcure@state.gov if they intend to attend the site visit and provide name(s) of representative(s) by August 31, 2020.

Submit your quotation by e-mail to LisbonProcure@state.gov or in a sealed envelope marked "Proposal Enclosed" to Contracting Officer, U.S. Embassy Lisbon, Avenida das Forças Armadas, 1649-044 Lisboa on or **before 16:00 hours on September 10, 2020**. No quotations will be accepted after this time.

Complete the OFFER portion of the Standard Form 1442, including all blank spaces, and have the form signed by an authorized representative of your company. In order for a proposal to be considered, you must also complete and submit the following:

1. Section L, Representations and Certifications;
2. Bar Chart illustrating sequence of work to be performed;
3. Additional information as required in Section J.

The contract will be a firm fixed price contract, with no adjustment for any escalation in costs or prices of labor or materials. Each quoter will be responsible for determining the amount of labor and materials that will be required to complete the project, and for pricing its proposal accordingly.

Please be advised that firms need to be registered in the System for Award Management (SAM) www.sam.gov before the contract is awarded. If you require any additional information, please contact the Procurement Section.

Sincerely,

A handwritten signature in black ink that reads "Adelia Monteiro".

Adelia Monteiro
Contracting Officer

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SOLICITATION, OFFER, AND AWARD <i>(Construction, Alteration, or Repair)</i>	1. SOLICITATION NUMBER 19P05020Q0021	2. TYPE OF SOLICITATION <input type="checkbox"/> SEALED BID (IFB) <input checked="" type="checkbox"/> NEGOTIATED (RFP)	3. DATE ISSUED 08/20/2020	PAGE 1 OF 127 PAGES
	IMPORTANT - The "offer" section on the reverse must be fully completed by offeror.			

4. CONTRACT NUMBER	5. REQUISITION/PURCHASE REQUEST NUMBER PR9147853	6. PROJECT NUMBER
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7. ISSUED BY AMERICAN EMBASSY LISBON AV. DAS FORCAS ARMADAS, ATTN: GSO/PROCUREMENT LISBOA 1649-044 PORTUGAL	CODE PO500	8. ADDRESS OFFER TO AMERICAN EMBASSY LISBON AVENIDA DAS FORCAS ARMADAS, ATTN: GSO LISBON 1600 PORTUGAL
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9. FOR INFORMATION CALL:	a. NAME Adelia M Monteiro	b. TELEPHONE NUMBER (Include area code) (NO COLLECT CALLS) +351 21 770 2507
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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)

Remodeling of MSG Bathrooms at the U.S. Embassy Lisbon

11. The contractor shall begin performance within <u>10</u> calendar days and complete it within <u>180</u> calendar days after receiving <input type="checkbox"/> award, <input checked="" type="checkbox"/> notice to proceed. This performance period is <input checked="" 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 10
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13. ADDITIONAL SOLICITATION REQUIREMENTS:

a. Sealed offers in original and 1 copies to perform the work required are due at the place specified in Item 8 by 16:00 (hour) local time 09/10/2020 (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 _____ 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)
CODE	16. REMITTANCE ADDRESS (Include only if different than Item 14.)
FACILITY CODE	

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	
24. SUBMIT INVOICES TO ADDRESS SHOWN IN (4 copies unless otherwise specified)	ITEM	25. OTHER THAN FULL AND OPEN COMPETITION PURSUANT TO <input type="checkbox"/> 10 U.S.C. 2304(c)() <input type="checkbox"/> 41 U.S.C. 253(c)()
26. ADMINISTERED BY	CODE	27. PAYMENT WILL BE MADE BY

CONTRACTING OFFICER WILL COMPLETE ITEM 28 OR 29 AS APPLICABLE

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

REQUEST FOR QUOTATIONS - CONSTRUCTION

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)	
VAT @ 23%	
Grand Total	

A.1 VALUE ADDED TAX

The Contractor shall include VAT as a separate charge on the Invoice and as a separate line item in Section B.

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.

C. PACKAGING AND MARKING

Mark materials delivered to the site as follows:

American Embassy Lisbon
Avenida das Forças Armadas
1649-044 Lisboa

D. INSPECTION AND ACCEPTANCE

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

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

D.1 SUBSTANTIAL COMPLETION

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

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

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

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

D.2 FINAL COMPLETION AND ACCEPTANCE

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

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

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

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

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

E. DELIVERIES OR PERFORMANCE

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

The Contractor shall be required to:

- (a) commence work under this contract within 10 calendar days after the date the Contractor receives the notice to proceed,
- (b) prosecute the work diligently, and,
- (c) complete the entire work ready for use not later than 180 calendar days after notice to proceed.

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

52.211-12 LIQUIDATED DAMAGES - CONSTRUCTION (SEPT 2000)

(a) If the Contractor fails to complete the work within the time specified in the contract, or any extension, the Contractor shall pay liquidated damages to the Government in the amount of Euros 250.00 for each calendar day of delay until the work is completed or accepted.

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

CONTRACTOR'S SUBMISSION OF CONSTRUCTION SCHEDULES

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

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

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

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

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

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

NOTICE OF DELAY

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

NOTICE TO PROCEED

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

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

WORKING HOURS

All work shall be performed during Monday to Friday from 8:00 am –5:00 pm. Other hours, if requested by the Contractor, may be approved by the Contracting Officer's Representative (COR). The Contractor shall give 24 hours in advance to COR who will consider any deviation from the hours identified above. Changes in work hours, initiated by the Contractor, will not be a cause for a price increase.

PRECONSTRUCTION CONFERENCE

A preconstruction conference will be held 10 days after contract award at American Embassy Lisbon, Avenida das Forças Armadas, Lisboa to discuss the schedule, submittals, notice to proceed, mobilization and other important issues that effect construction progress. See FAR 52.236-26, Preconstruction Conference.

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

F. ADMINISTRATIVE DATA

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

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

(b) The COR for this contract is Facilities Coordinator

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.

Invoices should be sent to:

InvoiceLisbon@state.gov

The Contractor shall show Value Added Tax (VAT) as a separate item on invoices submitted for payment.

G. SPECIAL REQUIREMENTS

G.1.0 PERFORMANCE/PAYMENT PROTECTION - The Contractor shall furnish some form of payment protection as described in 52.228-13 in the amount of 20% of the contract price.

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

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

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

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

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

(1) BODILY INJURY, ON OR OFF THE SITE, IN EUROS	
Per Occurrence	EUROS 500,000.00
Cumulative	EUROS 1,000,000.00
(2) PROPERTY DAMAGE, ON OR OFF THE SITE, IN EUROS	
Per Occurrence	EUROS 500,000.00
Cumulative	EUROS 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 calendar days to submit to the Contracting Officer a list of workers and supervisors assigned to this project for the Government to conduct all necessary security checks. It is anticipated that security checks will take **15 days** to perform. For each individual the list shall include:

- Form OF 174 (provided by the Embassy)
- Photocopy of the Identification Card
- Criminal Record (less than 90 days)
- Letter from Contractor stating the name of the worker(s)
- Five references (three individuals and two commercial)
- Authorization to release information

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

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

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

G.7.0 SPECIAL WARRANTIES

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

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

G.8.0 EQUITABLE ADJUSTMENTS

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

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

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

G.9.0 ZONING APPROVALS AND PERMITS

The Government shall be responsible for:

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

H. CLAUSES

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

If the Federal Acquisition Regulation (FAR) is not available at the locations indicated above, use the Department of State Acquisition website at [https://www.ecfr.gov/cgi-bin/text-idx?SID=2e978208d0d2aa44fb9502725ecac4e5&mc=true&tpl=/ecfrbrowse/Title48/48chapter6.t](https://www.ecfr.gov/cgi-bin/text-idx?SID=2e978208d0d2aa44fb9502725ecac4e5&mc=true&tpl=/ecfrbrowse/Title48/48chapter6.tpl) 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 (JUN 2020)
52.204-9	PERSONAL IDENTITY VERIFICATION OF CONTRACTOR PERSONNEL (JAN 2011)
52.204-10	REPORTING EXECUTIVE COMPENSATION AND FIRST-TIER SUBCONTRACT AWARDS (OCT 2018)
52.204-13	SYSTEM FOR AWARD MANAGEMENT MAINTENANCE (OCT 2018)
52.204-18	COMMERCIAL AND GOVERNMENT ENTITY CODE MAINTENANCE (JUL 2016)
52.204-19	INCORPORATION BY REFERENCE OF REPRESENTATIONS AND CERTIFICATIONS (DEC 2014)

As prescribed in [4.2105](#)(b), insert the following clause:

52.204-25	PROHIBITION ON CONTRACTING FOR CERTAIN TELECOMMUNICATIONS AND VIDEO SURVEILLANCE SERVICES OR EQUIPMENT (AUG 2020)
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(a) *Definitions*. As used in this clause—

Backhaul means intermediate links between the core network, or backbone network, and the small subnetworks at the edge of the network (e.g., connecting cell phones/towers to the core telephone network). Backhaul can be wireless (e.g., microwave) or wired (e.g., fiber optic, coaxial cable, Ethernet).

Covered foreign country means The People's Republic of China.

Covered telecommunications equipment or services means—

(1) Telecommunications equipment produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities);

(2) For the purpose of public safety, security of Government facilities, physical security surveillance of critical infrastructure, and other national security purposes, video surveillance and telecommunications equipment produced by Hytera Communications Corporation, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliate of such entities);

(3) Telecommunications or video surveillance services provided by such entities or using such equipment; or

(4) Telecommunications or video surveillance equipment or services produced or provided by an entity that the Secretary of Defense, in consultation with the Director of National Intelligence or the Director of the Federal Bureau of Investigation, reasonably believes to be an entity owned or controlled by, or otherwise connected to, the government of a covered foreign country.

Critical technology means—

(1) Defense articles or defense services included on the United States Munitions List set forth in the International Traffic in Arms Regulations under subchapter M of chapter I of title 22, Code of Federal Regulations;

(2) Items included on the Commerce Control List set forth in Supplement No. 1 to part 774 of the Export Administration Regulations under subchapter C of chapter VII of title 15, Code of Federal Regulations, and controlled-

(i) Pursuant to multilateral regimes, including for reasons relating to national security, chemical and biological weapons proliferation, nuclear nonproliferation, or missile technology; or

(ii) For reasons relating to regional stability or surreptitious listening;

(3) Specially designed and prepared nuclear equipment, parts and components, materials, software, and technology covered by part 810 of title 10, Code of Federal Regulations (relating to assistance to foreign atomic energy activities);

(4) Nuclear facilities, equipment, and material covered by part 110 of title 10, Code of Federal Regulations (relating to export and import of nuclear equipment and material);

(5) Select agents and toxins covered by part 331 of title 7, Code of Federal Regulations, part 121 of title 9 of such Code, or part 73 of title 42 of such Code; or

(6) Emerging and foundational technologies controlled pursuant to section 1758 of the Export Control Reform Act of 2018 (50 U.S.C. 4817).

Interconnection arrangements means arrangements governing the physical connection of two or more networks to allow the use of another's network to hand off traffic where it is ultimately delivered (e.g., connection of a customer of telephone provider A to a customer of telephone company B) or sharing data and other information resources.

Reasonable inquiry means an inquiry designed to uncover any information in the entity's possession about the identity of the producer or provider of covered telecommunications equipment or services used by the entity that excludes the need to include an internal or third-party audit.

Roaming means cellular communications services (e.g., voice, video, data) received from a visited network when unable to connect to the facilities of the home network either because signal coverage is too weak or because traffic is too high.

Substantial or essential component means any component necessary for the proper function or performance of a piece of equipment, system, or service.

(b) *Prohibition.*

(1) Section 889(a)(1)(A) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub. L. 115-232) prohibits the head of an executive agency on or after August 13, 2019, from procuring or obtaining, or extending or renewing a contract to procure or obtain, any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system. The Contractor is prohibited from providing to the Government any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system, unless an exception at paragraph (c) of this clause applies or the covered telecommunication equipment or services are covered by a waiver described in FAR [4.2104](#).

(2) Section 889(a)(1)(B) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub. L. 115-232) prohibits the head of an executive agency on or after August 13, 2020, from entering into a contract, or extending or renewing a contract, with an entity that uses any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system, unless an exception at paragraph (c) of this clause applies or the covered telecommunication equipment or services are covered by a waiver described in FAR 4.2104. This prohibition applies to the use of covered telecommunications equipment or services, regardless of whether that use is in performance of work under a Federal contract.

(c) *Exceptions.* This clause does not prohibit contractors from providing—

(1) A service that connects to the facilities of a third-party, such as backhaul, roaming, or interconnection arrangements; or

(2) Telecommunications equipment that cannot route or redirect user data traffic or permit visibility into any user data or packets that such equipment transmits or otherwise handles.

(d) Reporting requirement.

(1) In the event the Contractor identifies covered telecommunications equipment or services used as a substantial or essential component of any system, or as critical technology as part of any system, during contract performance, or the Contractor is notified of such by a subcontractor at any tier or by any other source, the Contractor shall report the information in paragraph (d)(2) of this clause to the Contracting Officer, unless elsewhere in this contract are established procedures for reporting the information; in the case of the Department of Defense, the Contractor shall report to the website at <https://dibnet.dod.mil>. For indefinite delivery contracts, the Contractor shall report to the Contracting Officer for the indefinite delivery contract and the Contracting Officer(s) for any affected order or, in the case of the Department of Defense, identify both the indefinite delivery contract and any affected orders in the report provided at <https://dibnet.dod.mil>.

(2) The Contractor shall report the following information pursuant to paragraph (d)(1) of this clause

(i) Within one business day from the date of such identification or notification: the contract number; the order number(s), if applicable; supplier name; supplier unique entity identifier (if known); supplier Commercial and Government Entity (CAGE) code (if known); brand; model number (original equipment manufacturer number, manufacturer part number, or wholesaler number); item description; and any readily available information about mitigation actions undertaken or recommended.

(ii) Within 10 business days of submitting the information in paragraph (d)(2)(i) of this clause: any further available information about mitigation actions undertaken or recommended. In addition, the Contractor shall describe the efforts it undertook to prevent use or submission of covered telecommunications equipment or services, and any additional efforts that will be incorporated to prevent future use or submission of covered telecommunications equipment or services.

(e) *Subcontracts.* The Contractor shall insert the substance of this clause, including this paragraph (e) and excluding paragraph (b)(2), in all subcontracts and other contractual instruments, including subcontracts for the acquisition of commercial items.

(End of clause)

52.209-6 PROTECTING THE GOVERNMENT'S INTEREST WHEN
SUBCONTRACTING WITH CONTRACTORS DEBARRED, SUSPENDED
OR PROPOSED FOR DEBARMENT (JUN 2020)

52.209-9 UPDATES OF PUBLICLY AVAILABLE INFORMATION REGARDING
RESPONSIBILITY MATTERS (JUL 2013)

52.213-4 TERMS AND CONDITIONS-SIMPLIFIED ACQUISITIONS (OTHER THAN
COMMERCIAL ITEMS) (JUN 2020)

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 2018)

52.222-50 COMBATING TRAFFICKING IN PERSONS (FEB 2009)

52.223-18 ENCOURAGING CONTRACTOR POLICIES TO BAN TEXT MESSAGING WHILE DRIVING (JUN 2020)

52.225-13 RESTRICTIONS ON CERTAIN FOREIGN PURCHASES (JUNE 2008)

52.225-14 INCONSISTENCY BETWEEN ENGLISH VERSION AND TRANSLATION OF CONTRACT (FEB 2000)

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)

52.228-15 PERFORMANCE AND PAYMENT BONDS-CONSTRUCTION (JUN 2020)

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 (OCT 2018)
- 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)
- 52.236-13 ACCIDENT PREVENTION (NOV 1991)
- 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 (JUN 2020)
- 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)
- 52.246-26 REPORTING NONCONFORMING ITEMS (DEC 2019)
- 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 ADDITIONAL SAFETY MEASURES (OCT 2017)

In addition to the safety/accident prevention requirements of FAR 52.236-13, Accident Prevention Alternate I, the contractor shall comply with the following additional safety measures.

(a) *High Risk Activities*. If the project contains any of the following high risk activities, the contractor shall follow the section in the latest edition, as of the date of the solicitation, of the U.S. Army Corps of Engineers Safety and Health manual, EM 385-1-1, that corresponds to the high risk activity. Before work may proceed, the contractor must obtain approval from the COR of the written safety plan required by FAR 52.236-13, Accident Prevention Alternate I (see paragraph (f) below), containing specific hazard mitigation and control techniques.

- (1) Scaffolding;
- (2) Work at heights above 1.8 meters;
- (3) Trenching or other excavation greater than one (1) meter in depth;
- (4) Earth-moving equipment and other large vehicles;

(5) Cranes and rigging;

(6) Welding or cutting and other hot work;

(7) Partial or total demolition of a structure;

(8) 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;

(9) 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.);

(10) 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

(11) Hazardous noise levels as required in EM 385-1 Section 5B or local standards if more restrictive.

(b) *Safety and Health Requirements.* The contractor and all subcontractors shall comply with the latest edition of the U.S. Army Corps of Engineers Safety and Health manual EM 385-1-1, or OSHA 29 CFR parts 1910 or 1926 if no EM 385-1-1 requirements are applicable, and the accepted contractor's written safety program.

(c) *Mishap Reporting.* The contractor is required to report **immediately** all mishaps to the COR and the contracting officer. A "mishap" is any event causing injury, disease or illness, death, material loss or property damage, or incident causing environmental contamination. The mishap reporting requirement shall include fires, explosions, hazardous materials contamination, and other similar incidents that may threaten people, property, and equipment.

(d) *Records.* The contractor shall maintain an accurate record on all mishaps 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.

(e) *Subcontracts.* The contractor shall insert this clause, including this paragraph (e), with appropriate changes in the designation of the parties, in subcontracts.

(f) *Written program.* The plan required by paragraph (f)(1) of the clause entitled "Accident Prevention Alternate I" shall be known as the Site Safety and Health Plan (SSHP) and shall

address any activities listed in paragraph (a) of this clause, or as otherwise required by the contracting officer/COR.

(1) The SSHP shall be submitted at least 10 working days prior to commencing any activity at the site.

(2) The plan must address developing activity hazard analyses (AHAs) for specific tasks. The AHAs shall define the activities being performed and identify the work sequences, the specific anticipated hazards, site conditions, equipment, materials, and the control measures to be implemented to eliminate or reduce each hazard to an acceptable level of risk. Work shall not begin until the AHA for the work activity has been accepted by the COR and discussed with all engaged in the activity, including the Contractor, subcontractor(s), and Government on-site representatives.

(3) The names of the Competent/Qualified Person(s) required for a particular activity (for example, excavations, scaffolding, fall protection, other activities as specified by EM 385-1-1) shall be identified and included in the AHA. Proof of their competency/qualification shall be submitted to the contracting officer or COR for acceptance prior to the start of that work activity. The AHA shall be reviewed and modified as necessary to address changing site conditions, operations, or change of competent/qualified person(s).

(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)

I. LIST OF ATTACHMENTS

ATTACHMENT NUMBER	DESCRIPTION OF ATTACHMENT	NUMBER OF PAGES
Attachment 1	Sample Bank Letter of Guaranty	1
Attachment 2	Scope of Work (English and Portuguese)	10
Attachment 3	Map of Quantities (English and Portuguese)	64
Attachment 4	Drawings	10

J. QUOTATION INFORMATION

A. QUALIFICATIONS OF OFFERORS

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

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

B. SUBMISSION OF QUOTATIONS

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

Each quotation must consist of the following:		
VOLUME	TITLE	NUMBER OF COPIES
I	Standard Form 1442	1
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, on Standard Form 1442, or if hand-delivered, use the address set forth below:

LisbonProcure@state.gov

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 September 2, 2020 at 10:00 a.m.

(c) Participants will meet at American Embassy, Avenida das Forças Armadas, 1649-044 Lisboa.

D. MAGNITUDE OF CONSTRUCTION PROJECT

It is anticipated that the range in price of this contract will be: between Euros 22,000.00 and Euros 90,000.00.

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>
52.204-7	SYSTEM FOR AWARD MANAGEMENT (OCT 2018)
52.204-16	COMMERCIAL AND GOVERNMENT ENTITY CODE REPORTING (JUL 2016)

52.214-34 SUBMISSION OF OFFERS IN THE ENGLISH LANGUAGE (APR
1991)

52.215-1 INSTRUCTIONS TO OFFERORS--COMPETITIVE ACQUISITION
(JAN 2004)

K. EVALUATION CRITERIA

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

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

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

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

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

(a) Definitions.

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

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

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

(c) otherwise due under the contract.

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

(e) Taxpayer Identification Number (TIN).

TIN: _____

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

(e) Type of Organization.

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

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

(f) Common Parent.

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

(End of provision)

FAR 52.204-8 ANNUAL REPRESENTATIONS AND CERTIFICATIONS (MAR 2020)

(a) (1) The North American Industry Classification System (NAICS) code for this acquisition is 236118, 236220, 237110, 237310, 237990.

(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](#), System for Award Management, is not included in this solicitation, and the Offeror has an active registration in the System for Award Management (SAM), 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) [52.203-18](#), Prohibition on Contracting with Entities that Require Certain Internal Confidentiality Agreements or Statements-Representation. This provision applies to all solicitations.

(iv) [52.204-3](#), Taxpayer Identification. This provision applies to solicitations that do not include the provision at [52.204-7](#), System for Award Management.

(v) [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.

(vi) [52.204-26](#), Covered Telecommunications Equipment or Services-Representation. This provision applies to all solicitations.

(vii) [52.209-2](#), Prohibition on Contracting with Inverted Domestic Corporations-Representation.

(viii) [52.209-5](#), Certification Regarding Responsibility Matters. This provision applies to solicitations where the contract value is expected to exceed the simplified acquisition threshold.

(ix) [52.209-11](#), Representation by Corporations Regarding Delinquent Tax Liability or a Felony Conviction under any Federal Law. This provision applies to all solicitations.

(x) [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.

(xi) [52.215-6](#), Place of Performance. This provision applies to solicitations unless the place of performance is specified by the Government.

(xii) [52.219-1](#), Small Business Program Representations (Basic, Alternates I, and II). 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.

(C) The provision with its Alternate II applies to solicitations that will result in a multiple-award contract with more than one NAICS code assigned.

(xiii) [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.

(xiv) [52.222-22](#), Previous Contracts and Compliance Reports. This provision applies to solicitations that include the clause at [52.222-26](#), Equal Opportunity.

(xv) [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.

(xvi) [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.

(xvii) [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.

(xviii) [52.223-4](#), Recovered Material Certification. This provision applies to solicitations that are for, or specify the use of, EPA–designated items.

(xix) [52.223-22](#), Public Disclosure of Greenhouse Gas Emissions and Reduction Goals-Representation. This provision applies to solicitations that include the clause at [52.204-7](#).)

(xx) [52.225-2](#), Buy American Certificate. This provision applies to solicitations containing the clause at [52.225-1](#).

(xxi) [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 \$83,099, the provision with its Alternate II applies.

(D) If the acquisition value is \$83,099 or more but is less than \$100,000, the provision with its Alternate III applies.

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

(xxiii) [52.225-20](#), Prohibition on Conducting Restricted Business Operations in Sudan-Certification. This provision applies to all solicitations.

(xxiv) [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.

(xxv) [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 representations or certifications are applicable as indicated by the Contracting Officer:

[Contracting Officer check as appropriate.]

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

___ (ii) [52.204-20](#), Predecessor of Offeror.

___ (iii) [52.222-18](#), Certification Regarding Knowledge of Child Labor for Listed End Products.

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

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

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

___ (vii) [52.227-6](#), Royalty Information.

___ (A) Basic.

___ (B) Alternate I.

___ (viii) [52.227-15](#), Representation of Limited Rights Data and Restricted Computer Software.

(d) The offeror has completed the annual representations and certifications electronically in SAM website accessed through <https://www.sam.gov>. After reviewing the SAM 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 52.225-20 PROHIBITION ON CONDUCTING RESTRICTED BUSINESS OPERATIONS IN SUDAN – CERTIFICATION (AUG 2009)

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

“Business operations” means engaging in commerce in any form, including by acquiring, developing, maintaining, owning, selling, possessing, leasing, or operating equipment, facilities, personnel, products, services, personal property, real property, or any other apparatus of business or commerce.

“Marginalized populations of Sudan” means—

(1) Adversely affected groups in regions authorized to receive assistance under section 8(c) of the Darfur Peace and Accountability Act (Pub. L. 109-344) ([50 U.S.C. 1701 note](#)); and

(2) Marginalized areas in Northern Sudan described in section 4(9) of such Act.

“Restricted business operations” means business operations in Sudan that include power production activities, mineral extraction activities, oil-related activities, or the production of military equipment, as those terms are defined in the Sudan Accountability and Divestment Act of 2007 (Pub. L. 110-174). Restricted business operations do not include business operations that the person conducting the business can demonstrate—

(1) Are conducted under contract directly and exclusively with the regional government of southern Sudan;

(2) Are conducted pursuant to specific authorization from the Office of Foreign Assets Control in the Department of the Treasury, or are expressly exempted under Federal law from the requirement to be conducted under such authorization;

(3) Consist of providing goods or services to marginalized populations of Sudan;

(4) Consist of providing goods or services to an internationally recognized peacekeeping force or humanitarian organization;

(5) Consist of providing goods or services that are used only to promote health or education; or

(6) Have been voluntarily suspended.

(b) *Certification.* By submission of its offer, the offeror certifies that it does not conduct any restricted business operations in Sudan.

(End of provision)

L.6. 52.209-2 PROHIBITION ON CONTRACTING WITH INVERTED DOMESTIC CORPORATIONS REPRESENTATION (NOV 2015)

(a) *Definitions.* “Inverted domestic corporation” and “subsidiary” have the meaning given in the clause of this contract entitled Prohibition on Contracting with Inverted Domestic Corporations ([52.209-10](#)).

(b) Government agencies are not permitted to use appropriated (or otherwise made available) funds for contracts with either an inverted domestic corporation, or a subsidiary of an inverted domestic corporation, unless the exception at [9.108-2\(b\)](#) applies or the requirement is waived in accordance with the procedures at [9.108-4](#).

(c) Representation. The Offeror represents that.

- (1) It is, is not an inverted domestic corporation; and
- (2) It is, is not a subsidiary of an inverted domestic corporation.

As prescribed in [4.2105\(a\)](#), insert the following provision:

52.204-24 Representation Regarding Certain Telecommunications and Video Surveillance Services or Equipment (Aug 2020)

The Offeror shall not complete the representation at paragraph (d)(1) of this provision if the Offeror has represented that it “does not provide covered telecommunications equipment or services as a part of its offered products or services to the Government in the performance of any contract, subcontract, or other contractual instrument” in the provision at [52.204-26](#), Covered Telecommunications Equipment or Services—Representation, or in paragraph (v) of the provision at [52.212-3](#), Offeror Representations and Certifications-Commercial Items.

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

Backhaul, covered telecommunications equipment or services, critical technology, interconnection arrangements, reasonable inquiry, roaming, and substantial or essential component have the meanings provided in the clause [52.204-25](#), Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment.

(b) *Prohibition.*

(1) Section 889(a)(1)(A) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub. L. 115-232) prohibits the head of an executive agency on or after August 13, 2019, from procuring or obtaining, or extending or renewing a contract to procure or obtain, any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system. Nothing in the prohibition shall be construed to—

(i) Prohibit the head of an executive agency from procuring with an entity to provide a service that connects to the facilities of a third-party, such as backhaul, roaming, or interconnection arrangements; or

(ii) Cover telecommunications equipment that cannot route or redirect user data traffic or cannot permit visibility into any user data or packets that such equipment transmits or otherwise handles.

(2) Section 889(a)(1)(B) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub. L. 115-232) prohibits the head of an executive agency on or after August 13, 2020, from entering into a contract or extending or renewing a contract with an entity that uses any equipment, system, or service that uses covered telecommunications equipment or

services as a substantial or essential component of any system, or as critical technology as part of any system. This prohibition applies to the use of covered telecommunications equipment or services, regardless of whether that use is in performance of work under a Federal contract. Nothing in the prohibition shall be construed to—

(i) Prohibit the head of an executive agency from procuring with an entity to provide a service that connects to the facilities of a third-party, such as backhaul, roaming, or interconnection arrangements; or

(ii) Cover telecommunications equipment that cannot route or redirect user data traffic or cannot permit visibility into any user data or packets that such equipment transmits or otherwise handles.

(c) *Procedures.* The Offeror shall review the list of excluded parties in the System for Award Management (SAM) (<https://www.sam.gov>) for entities excluded from receiving federal awards for “covered telecommunications equipment or services”.

(d) *Representation.* The Offeror represents that—

(1) It will, will not provide covered telecommunications equipment or services to the Government in the performance of any contract, subcontract or other contractual instrument resulting from this solicitation. The Offeror shall provide the additional disclosure information required at paragraph (e)(1) of this section if the Offeror responds “will” in paragraph (d)(1) of this section; and

(2) After conducting a reasonable inquiry, for purposes of this representation, the Offeror represents that—

It does, does not use covered telecommunications equipment or services, or use any equipment, system, or service that uses covered telecommunications equipment or services. The Offeror shall provide the additional disclosure information required at paragraph (e)(2) of this section if the Offeror responds “does” in paragraph (d)(2) of this section.

(e) *Disclosures.*

(1) Disclosure for the representation in paragraph (d)(1) of this provision. If the Offeror has responded “will” in the representation in paragraph (d)(1) of this provision, the Offeror shall provide the following information as part of the offer:

(i) For covered equipment—

(A) The entity that produced the covered telecommunications equipment (include entity name, unique entity identifier, CAGE code, and whether the entity was the original equipment manufacturer (OEM) or a distributor, if known);

(B) A description of all covered telecommunications equipment offered (include brand; model number, such as OEM number, manufacturer part number, or wholesaler number; and item description, as applicable); and

(C)Explanation of the proposed use of covered telecommunications equipment and any factors relevant to determining if such use would be permissible under the prohibition in paragraph (b)(1) of this provision.

(ii)For covered services—

(A)If the service is related to item maintenance: A description of all covered telecommunications services offered (include on the item being maintained: Brand; model number, such as OEM number, manufacturer part number, or wholesaler number; and item description, as applicable); or

(B)If not associated with maintenance, the Product Service Code (PSC) of the service being provided; and explanation of the proposed use of covered telecommunications services and any factors relevant to determining if such use would be permissible under the prohibition in paragraph (b)(1) of this provision.

(2) Disclosure for the representation in paragraph (d)(2) of this provision. If the Offeror has responded “does” in the representation in paragraph (d)(2) of this provision, the Offeror shall provide the following information as part of the offer:

(i)For covered equipment—

(A)The entity that produced the covered telecommunications equipment (include entity name, unique entity identifier, CAGE code, and whether the entity was the OEM or a distributor, if known);

(B)A description of all covered telecommunications equipment offered (include brand; model number, such as OEM number, manufacturer part number, or wholesaler number; and item description, as applicable); and

(C)Explanation of the proposed use of covered telecommunications equipment and any factors relevant to determining if such use would be permissible under the prohibition in paragraph (b)(2) of this provision.

(ii)For covered services—

(A)If the service is related to item maintenance: A description of all covered telecommunications services offered (include on the item being maintained: Brand; model number, such as OEM number, manufacturer part number, or wholesaler number; and item description, as applicable); or

(B)If not associated with maintenance, the PSC of the service being provided; and explanation of the proposed use of covered telecommunications services and any factors relevant to determining if such use would be permissible under the prohibition in paragraph (b)(2) of this provision.

(End of provision)

ATTACHMENT #1 - SAMPLE LETTER OF BANK GUARANTY

Place []

Date []

Contracting Officer

U.S. Embassy, [*Note to CO: insert Post name*]

[*Note to CO: insert mailing address*]

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 #2 – SCOPE OF WORK

EMBASSY OF THE UNITED STATES OF AMERICA

REMODELING OF THE MSGR BATHROOMS

REMODELING OF BATHROOMS

AVENIDA DAS FORÇAS ARMADAS, LISBOA



JUNE, 2020

REMODELING OF THE MSGR BATHROOMS

DESCRIPTIVE MEMORY AND JUSTIFICATION

1- OVERVIEW

Refers to this descriptive memory and justification for the project of alteration and interior remodeling of the Embassy sanitary facilities, designated as "MSGR Bathrooms", located at the Embassy of the United States – Avenida das Forças Armadas - Lisboa

The undertaking in general comprises the alteration of 6 sanitary facilities distributed over several floors and areas, involving demolition work, masonry, replacement of floors and wall coverings, paintings, equipment and other works according to attached documents.

The zones to be intervened are as follows:

WC1 - Over the Bar

WC2 - Over the kitchen

WC3 - Next to the kitchen

WC4 - Marble Bathroom

WC5 - Lioz Bathroom

WC6 - Under the stair

The building will have no structural intervention.

2 - JOB DESCRIPTION

The area to be remodeled is identified in the plant as "Intervention Zone" and comprises the following works:

- Demolitions, Dismantlings and Protections

The article corresponds to demolition work of some walls, removal of doors, staves, trims, fixed furniture, sanitary ware, fixtures, chipping of plasters and pickling of paintings on existing walls and ceilings.

All work involved in this chapter should be carried out in such a way as not to impair the operation of the other building and the necessary protections should be carried out to prevent the degradation of furniture, circulation or any other element or property of the building.

- Masonry and Partitions

The works of masonry and partitions correspond to the execution of new dividing walls in separation of the showers according to the plan of yellows and reds. For the execution of the masonry walls, the supports must be prepared to ensure an adequate connection to the existing elements. This article includes wall plaster and a finish similar to the existing one, ready to paint.

- Floor covering

The work corresponds to the supply and application of ceramic coatings in sanitary facilities, including grinding of screeds, laying of mosaic with cement glue and bitumen of joints with color identical to the pavement.

- Wall cladding

The article corresponds to the supply and application of tile in sanitary facilities and canopy, according to the drawings, including rectification or execution of plaster, laying with white glue cement and bitumen of joints with color identical to that of the support to be applied.

- Ceiling Cladding

Ceiling covering work corresponds to the supply and assembly of false ceiling in WC6, as identified in the plan, including support structure, lighting openings, trim profiles, and other work and accessories necessary for final finishing.

- Paintings

The article corresponds to the supply of primers and plastic paints (two of the embers), with color as specified in design for good finishing on walls and ceilings, including protections of floors, walls and furniture, preparation of support, covering of cracks or cracks that are identified, and all work and accessories necessary for the final finishing. It also includes sanding of existing metal elements (if necessary), application of primer and finishing the enamel suitable for the support.

- Sanitary Crockery and Accessories

The work corresponds to the supply and assembly of sanitary equipment, taps, mirrors, including all the work and accessories necessary for assembly and connections and others necessary for its correct operation.

- Carpentry and Sawmills

This article includes the supply and assembly of cabinets of the sanitary installation according to layout, consisting of custom cabinets, por medidashelves, drawers, fixings, hardware, fasteners, feet, handles, skirting board and other accessories and work necessary for its correct and final finishing and operation.

It also includes the supply of white lacquered aluminum frames with doors to open to the outside, including hardware,locks, accessories, acessórios and all the work necessary for proper operation..

- Water Network

The work corresponds to the implementation of the water network in the intervened area, integration with the existing water supply network and connections to the appliances to be installed. The net must be made of stainless steel with crimping or tightening accessories and properly tested before covering the roços. This sub-chapter also includes the opening and capping of roços, tests, connections, checks, cutting and miter taps and insulation of the hot water network with elastomeric foam with thickness appropriate to the respective pipe.

- Sewage Network

The work corresponds to the execution of the sewage network in PVC piping to be recessed in the floor or inside the false ceiling of the lower floor in the case of the toilet on the bar and also in walls and connections of the appliances. This chapter also includes the opening and capping of roços, tests, connections, checks and other work and accessories necessary for their proper operation..

- Ventilation

The work corresponds to the verification and maintenance of ventilation grilles recessed in the false ceilings.

- Wiring

The work includes the verification of the electrical installation network inside the sanitary installations, replacement of sockets and switches and their adaptation for European products and also the installation of a new outlet in the sanitary installation WC4(Marble Bathroom),with the connection to the electrical frame of the area.

- Several

The work corresponds to other works not included in the previous articles and that are directly or indirectly part of the general endeavor, as described in the MQT.

3 - MATERIAL SPECIFICS

The materials, equipment and processes proposed in the project were previously selected from designers and construction site owner or their representative. The contractor may propose other materials or equipment in place of those indicated in the project or quantity map provided that they are of equal or equivalent characteristics.

All materials prior to assembly or installation must be submitted for approval by the owner of the work, or his representative. Any proposal to amend or introduce new material or equipment must also be submitted prior to the approval of the developer by the contractor and provided that the contractor proves with the presentation of technical data sheets and samples of the material or equipment to be installed for comparison and approval by the developer.

At the end of the work the contractor must present a folder for the file of the work owner which must contain the technical data sheets and catalogs of all materials and equipment installed on site, as well as other useful information, such as maintenance and guarantees.

4 - OMISSIONS

In all that is omitted in this descriptive memory and justification, it will be followed as defined in the pieces drawn and in compliance with the technical standards and regulatory provisions in force.

Lisbon, 12 de junho de 2020

EMBAIXADA DOS ESTADOS UNIDOS DA AMÉRICA

REMODELING OF THE MSGR BATHROOMS

REMODELAÇÃO DAS INSTALAÇÕES SANITÁRIAS

AVENIDA DAS FORÇAS ARMADAS, LISBOA



JUNHO DE 2020

REMODELING OF THE MSGR BATHROOMS

MEMÓRIA DESCRITIVA E JUSTIFICATIVA

1- DESCRIÇÃO GERAL

Refere-se a presente memória descritiva e justificativa ao projeto de alteração e remodelação interior de Instalações Sanitárias da Embaixada, designadas de “MSGR Bathrooms”, sito na Embaixada dos Estados Unidos –Avenida das Forças Armadas - Lisboa

A empreitada de forma geral compreende a alteração de 6 instalações sanitárias distribuídas por vários pisos e zonas, envolvendo trabalhos de demolições, alvenarias, substituição de pavimentos e revestimentos de paredes, pinturas, equipamentos entre outros trabalhos conforme documentos anexos.

As zonas a intervencionar são as seguintes:

WC1 – Over the Bar

WC2 – Over the kitchen

WC3 – Next to the kitchen

WC4 – Marble Bathroom

WC5 – Lioz Bathroom

WC6 – Under the stair

O edifício não vai ter intervenção estrutural.

2 – DESCRIÇÃO DOS TRABALHOS

A área a remodelar está identificada em planta como “Zona Intervencionada” e compreende os seguintes trabalhos:

- Demolições, Desmontes e Proteções

O artigo corresponde a trabalhos de demolições de algumas paredes, remoção de portas, aduelas, guarnições, mobiliário fixo, louças sanitárias, luminárias, picagem de rebocos e decapagem de pinturas em paredes e tetos existentes.

Todo o trabalho envolvido no presente capítulo deverá ser efetuado de forma a não prejudicar o funcionamento do restante edifício e deverão ser efetuadas as proteções necessárias para evitar a degradação de mobiliários, circulações ou qualquer outro elemento ou bem do edifício.

- Alvenarias e Divisórias

Os trabalhos de alvenarias e divisórias correspondem a execução de novas paredes divisórias em separação dos duches conforme planta de amarelos e encarnados. Para execução das paredes de alvenarias, deverão ser preparados os suportes para garantir uma adequada ligação aos elementos existentes. Inclui-se no presente artigo o reboco da parede e acabamento semelhante ao existente, pronto a pintar.

- Revestimento de pavimentos

O trabalho corresponde ao fornecimento e aplicação de revestimentos cerâmicos nas instalações sanitárias, incluindo retificação de betonilhas, assentamento de mosaico com cimento cola e betume de juntas com cor idêntica ao pavimento.

- Revestimento de paredes

O artigo corresponde ao fornecimento e aplicação de azulejo nas instalações sanitárias e copa, de acordo com os desenhos, incluindo retificação ou execução de reboco, assentamento com cimento cola branco e betume de juntas com cor idêntica à do suporte a aplicar.

- Revestimento de Tetos

Os trabalhos de revestimentos de tetos correspondem ao fornecimento e montagem de teto falso na WC6, conforme identificado em planta, incluindo estrutura de suporte, aberturas para iluminação, perfis de remate, e outros trabalhos e acessórios necessários ao acabamento final.

- Pinturas

O artigo corresponde ao fornecimento de primários e tintas plásticas (duas demãos), com cor conforme especificado em projeto para bom acabamento em paredes e tetos, incluindo proteções de pavimentos, paredes e mobiliário, preparação de suporte, tapamento de fendas ou fissuras que sejam identificadas, e todos os trabalhos e acessórios necessários ao final acabamento. Inclui-se ainda lixagem de elementos metálicos existentes (caso seja necessário), aplicação de primário e acabamento a esmalte adequado ao suporte.

- Louças e Acessórios Sanitários

O trabalho corresponde ao fornecimento e montagem de equipamentos sanitários, torneiras, espelhos, incluindo todos os trabalhos e acessórios necessários à montagem e ligações e outros necessários ao seu correto funcionamento.

- Carpintarias e Serralharias

Inclui-se no presente artigo o fornecimento e montagem de armários da instalação sanitária conforme layout, constituído por armários por medida, prateleiras, gavetas, fixações, ferragens, fechos, pés, puxadores, rodapé e outros acessórios e trabalhos necessários ao seu correto e final acabamento e funcionamento.

Inclui ainda o fornecimento de caixilhos em alumínio lacado à cor branca com portas de abrir para o exterior, incluindo ferragens, fechaduras, acessórios e todos os trabalhos necessários ao correto funcionamento.

- Rede de Águas

O trabalho corresponde à execução da rede de águas na zona intervencionada, integração com a rede existente de abastecimento de água e ligações aos aparelhos a instalar. A rede deverá ser executada em inox com acessórios de cravar ou aperto e devidamente testada antes do tapamento de roços. O presente sub-capítulo inclui ainda a abertura e tapamento de roços, testes, ligações, verificações, torneiras de corte e esquadria e isolamento da rede de água quente com espuma elastomérica com espessura adequada ao tubo respetivo.

- Rede de Esgotos

O trabalho corresponde à execução da rede de esgotos em tubagem PVC a encastrar no pavimento ou dentro do teto falso do piso inferior no caso da wc sobre o bar e ainda em paredes e ligações dos aparelhos. O presente capítulo inclui ainda a abertura e tapamento de roços, testes, ligações, verificações e demais trabalhos e acessórios necessários ao seu correto funcionamento.

- Ventilação

O trabalho corresponde à verificação e manutenção de grelhas de ventilação encastradas nos tetos falsos.

- Instalação Elétrica

O trabalho compreende a verificação da rede de instalação elétrica no interior das instalações sanitárias, substituição de tomadas e interruptores e respetiva adaptação para produtos europeus e ainda a instalação de uma nova tomada na instalação sanitária WC4 (Marble Bathroom), com a ligação ao quadro elétrico da zona.

- Diversos

O trabalho corresponde a outros trabalhos não incluídos nos artigos anteriores e que direta ou indiretamente fazem parte da empreitada geral, conforme descrito no MQT.

3 – ESPECIFICAÇÕES DE MATERIAIS

Os materiais, equipamentos e processos propostos em projeto foram previamente selecionados entre projetistas e dono de obra ou seu representante. O empreiteiro poderá propor outros materiais ou equipamentos em substituição aos indicados em projeto ou mapa de quantidades desde que sejam de características iguais ou equivalentes.

Todos os materiais antes da montagem ou instalação devem ser submetidos à aprovação do dono da obra, ou seu representante. Qualquer proposta de alteração ou introdução de novo material ou equipamento deve ser igualmente apresentado previamente à aprovação do dono da obra pelo empreiteiro e desde que este comprove com a apresentação de fichas técnicas e amostras do material ou equipamento a instalar para comparação e aprovação pelo dono da obra.

No final da obra o empreiteiro deverá apresentar uma pasta para arquivo do dono da obra onde deve constar as fichas técnicas e catálogos de todos os materiais e equipamentos instalados em obra, assim como outras informações úteis, tais como manutenção e garantias.

4 - OMISSÕES

Em tudo o que se apresentar omissos na presente memória descritiva e justificativa, seguir-se-á conforme definido nas peças desenhadas e em cumprimento das normas técnicas e disposições regulamentares em vigor.

Lisboa, 12 de junho de 2020

EMBASSY OF THE UNITED STATES OF AMERICA

REMODELING OF THE MSGR BATHROOMS

AVENIDA DAS FORÇAS ARMADAS, LISBOA

DRAFT CHANGES

MQT

Ref. ^a	Description	Quant.	Un.	Partial Total	Total
NOTES:					
The measurement criteria to be considered are those stipulated by the LNEC.					
The articles include all the works, materials and equipment necessary for the execution of the same and their perfect finish.					
All materials to be demolished will be separated and transported to the authorized leak, the responsibility of the contractor.					
All dimensions must be confirmed in the work.					
All finishing materials and equipment must be submitted to the approval of the construction site before application.					
It will be the responsibility of the liability insurance contractor.					
A Architecture					
1 PRELIMINARY WORK					
1.1	Delimitation of the shipyard area, including protection of non-intervened areas, furniture and property in general, signage of work, means of individual and collective protection and temporary and support facilities, if justified, all in accordance with compliance with the legal and regulatory provisions in force.	1.00	un		
2 DEMOLIÇÕES, DESMONTES E PROTEÇÕES					
2.1	Demolition of existing masonry walls in interiors, repair of confining stops, removal and transport of leftover products to the drain, according to pieces drawn of alterations (yellow and red).				
2.1.1	WC1 (Over the bar)	0.40	m3		
2.2	Dismantle door, staves and trims existing in shower guards, including removal and transport of leftover products to drain, all according to pieces drawn from alterations (yellow and red).				
2.2.1	WC1 (Over the bar)	2.00	un		
2.3	Dismantling of cabinets and countertops of sanitary facilities, including removal and transport of leftover products to the drain, including all the work necessary for the correct execution of the work.				
2.3.1	WC1 (Over the bar)	1.00	un		
2.4	Disassemble of complete sanitary ware and shower bases, including removal and transport of leftover products to the drain, all according to pieces drawn from alterations (yellow and red).				
2.4.1	WC1 (Over the bar)	1.00	un		
2.5	Removal of ceramic coatings from existing walls in the W.C., for application of new materials, including removal of mirrors, pipes and built-in boxes, removal and transport of leftover products to the drain. It also includes the chipping of plaster or stucco on the top of the tile up to the level of the false ceiling for later placement of tile on the entire wall.				
2.5.1	WC1 (Over the bar)	27.39	m2		
2.6	Removal of ceramic coatings from existing floors in the W.C., for application of new materials, including chipping, removal and transport of leftover products to the drain.				
2.6.1	WC1 (Over the bar)	8.10	m2		
3 MASONRY AND PARTITIONS					

3.1 Execution of interior masonry, composed of 30x20x7 perforated ceramic brick, based on cement mortar and sand at trace 1:5, according to pieces drawn from alterations (yellow and red), including plastering and all necessary work.		
3.1.1 WC1 (Over the bar)	2.55	m2
4 FLOOR COVERING		
4.1 Supply and laying of floor, including cement cement cement properly suited to the support and coating to be placed, either in type or in size and bitumen of joints with "Ultracolor plus", in the color to be chosen, including all materials, works and equipment accessories and necessary for the correct execution of the work.		
4.1.1 WC1 (Over the bar) - Revigres Model Pigment Lead 30x30 NAT ANTISLIP, or equivalent. Includes screed execution or repair if necessary.	8.90	m2
5 WALL CLADDING		
5.1 Supply and application of ceramic coatings on the walls to the ceiling, according to layout, based on cement cement glue properly suited to the support and coating to be applied, including bituming of the joints and all the work, accessories and materials necessary for the correct execution.		
5.1.1 WC1 (Over the bar) - Revigres Chromatic Superwhite 60x30 Matt Rect, or equivalent	15.50	m2
5.1.2 WC1 (Over the bar) - Revigres Chromatic Opal 30x30 Rect, or equivalent	15.00	m2
6 CEILING CLADDING		
6.1 Renovation of existing false ceiling in plasterboard / stafe, including openings or closures necessary for passage or replacement of installations.		
6.1.1 WC1 (Over the bar)	8.10	m2
7 Paintings		
7.1 Execution of painting on false ceilings of Sanitary Facilities, with plastic paint, white color, after coat of primer, according to the drawn parts, including all materials, works and accessory equipment and necessary for the correct execution of the work. The inks to be used must be from Robialac's serious Robiotel, or equivalent.		
7.1.1 WC1 (Over the bar)	8.90	m2

8 SANITARY DISHES AND ACCESSORIES

8.1 Supply and assembly of Sanindusa type landing toilet, Project Confort DC model, or equivalent, including compact tank, project confort toilet top with slowclose, or equivalent, and all jobs and accessories to its proper operation.	1.00	un
8.2 Supply and laying of shower bases of the type Sanindusa Quadra 90x90, including preparatory work, waterproofing, valves and all materials and accessories necessary for the correct execution and operation.	2.00	un
8.3 Supply and laying of mirror for the Sanitary Installation, with 150x80 cm, to be incarnated, including all materials and work necessary for the correct execution.	1.00	un
8.4 Supply and assembly of 3-way recessed shower mixer "Sanindusa Master 40 round mirror", or equivalent, including wall rod kit and pine cone "Sanindusa Duo 200", or equivalent and all materials and works necessary for proper execution.	2.00	un
8.5 Supply and assembly of washbasins to fit over Sanindusa, Paris model, or equivalent including single-command mixer Sanindusa model Easy, or equivalent, connections, fixings, accessories and all materials, works and equipment accessories and necessary for the correct execution of the work.	2.00	un

9 CARPENTRY, STONEMWORK and FRAMES

9.1 Supply and assembly of white lacquered aluminum frames in structure and shower doors with 1.70x0.80, including hardware and closing with busy indicator of type JNF model IN.04.101 or equivalent and all work and accessories necessary for proper operation.	4.80	m2
9.2 Supply and assembly of white lacquered aluminum frames in structure and doors of toilet compartments with 1.50x0.60, including hardware and closing with busy indicator of type JNF model IN.04.101 or equivalent and all work and accessories necessary for the correct operation.	2.00	m2
9.3 Supply and assembly of floor installation furniture for double sink, melamine finish white color as drawn parts, including 4 doors open hidden handle system, interior shelves, stone with flap hanging in silestone or white color equivalent, including holes for sinks incarstre, trim, all necessary work and accessories.	1.00	un

10 WATER NETWORK

10.1 Installation of water network, in stainless steel piping with tracing according to project, including supply of pipes, sectioning valves, insulation of the hot water network and connection to the distribution network of the building and all work and accessories to its correct execution.

10.1.1 Distribution network in discharge from the cover with supports suitable for the diameter of the pipe. Including opening and closing of roços and holes in the slabs for passage of pipes.

10.1.1.1 Cold water - 22mm 2.00 m

10.1.1.2 Hot Water - 22mm (insulation 20mm) 2.00 m

10.1.2 Power supply to be installed under the walls, including opening and covering of roços.

10.1.2.1 Cold Water - 18mm 3.00 m

10.1.2.2 Hot water - 18mm (insulation 10mm) 0.90 m

10.1.2.3 Cold water - 6.70 m

10.1.2.4 Hot water - 22mm (insulation 10mm) 6.70 m

10.1.3 Hidden adjustment sectioning valves for wall incaration, including chrome handle in diameter suitable for the pipe where it is inserted.

10.1.4 Assembly of sanitary equipment, including single-control faucets, flushing and supply and assembly of individual miter taps. 1.00 un

11 SEWERAGE NETWORK

11.1 Installation of sewage network, in pvc piping with tracing according to project, including supply of pipes, boxes, lids, gutters, drainage grids and all work and accessories to its correct execution.

11.1.1 Discharge extensions 40mm 7.66 m

11.1.2 Discharge extensions 50mm 1.10 m

11.1.3 Discharge extensions 90mm 1.00 m

11.1.4 Supply and assembly of pvc floor siphons including stainless steel cover, and all necessary work and accessories.

11.1.4.1 Floor siphon 3e40, 1s50 1.00 un

11.1.5 Supply and assembly of drainage channels with stainless steel grate, class A15, 115x136x1000mm, including all work and connection accessories. 1.00 m

11.1.6 Supply and laying of piping of the sewage network, including interconnection with existing network, connection of sewage if necessary for water heater and verification / repair of existing connections of toilets, washbasin, urinals, showers, according to project, and all work and accessories necessary for its correct execution. Includes load testing or internal filming if necessary to check the conditions and/or watertightness of all existing piping. 1.00 un

11.1.7 Assembly of sanitary appliances, cleaning and testing of the network. 1.00 un

12 VENTILATION, FUME EXHAUST AND AIR CONDITIONING

12.1 Checking, cleaning, maintenance and painting of ventilation grilles on false ceilings. 1.00 un

13 Several

13.1 Supply and assembly of LED panel Ø22.5cm, 18 W, natural white 4000K, aluminum structure, including all materials and work necessary for proper operation. 1.00 un

13.2 Supply and installation of double switch, Efapel, LOGUS model 90 BASE, color to be defined, or equivalent to the existing one, including all necessary accessories and work and adaptation to existing boxes. 1.00 un

13.3 Efapel simple outlet supply and installation, LOGUS 90 BASE model, color to be defined, or equivalent, including new wiring from the junction box or electrical frame and all necessary accessories and work. 2.00 un

13.4 Supply and assembly of wall armor with LED lamp 100cm, natural white 4000k, ikea godmorgon type 100 or equivalent 1.00 un

EMBASSY OF THE UNITED STATES OF AMERICA

REMODELING OF THE MSGR BATHROOMS

AVENIDA DAS FORÇAS ARMADAS, LISBOA

DRAFT CHANGES

MQT

Ref. ^a	Description	Quant.	Un.	Partial Total	Total
NOTES:					
The measurement criteria to be considered are those stipulated by the LNEC.					
The articles include all the works, materials and equipment necessary for the execution of the same and their perfect finish.					
All materials to be demolished will be separated and transported to the authorized leak, the responsibility of the contractor.					
All dimensions must be confirmed in the work.					
All finishing materials and equipment must be submitted to the approval of the construction site before application.					
It will be the responsibility of the liability insurance contractor.					
A Architecture					
1 PRELIMINARY WORK					
1.1	Delimitation of the shipyard area, including protection of non-intervened areas, furniture and property in general, signage of work, means of individual and collective protection and temporary and support facilities, if justified, all in accordance with compliance with the legal and regulatory provisions in force.	1.00	un		
2 DEMOLITIONS, DISMANTLING AND PROTECTIONS					
2.1	Dismantle door, staves and trims existing in shower guards, including removal and transport of leftover products to drain, all according to pieces drawn from alterations (yellow and red).				
2.1.1	WC2 (Over the kitchen)	2.00	un		
2.2	Dismantling of washbasin countertops in natural stone for reuse, including removal of washbasins, faucets and accessories and sending all leftover products to drain.				
2.2.1	WC2 (Over the kitchen)	2.00	un		
2.3	Disassemble of complete sanitary ware and shower bases, including removal and transport of leftover products to the drain, all according to pieces drawn from alterations (yellow and red).				
2.3.1	WC2 (Over the kitchen)	1.00	un		
2.4	Removal of ceramic coatings from existing walls in the W.C., for application of new materials, including removal of mirrors, pipes and built-in boxes, removal and transport of leftover products to the drain. It also includes the chipping of plaster or stucco on the top of the tile up to the level of the false ceiling for later placement of tile on the entire wall.				
2.4.1	WC2 (Over the kitchen)	71.55	m2		
2.5	Removal of ceramic coatings from existing floors in the W.C., for application of new materials, including chipping, removal and transport of leftover products to the drain.				
2.5.1	WC2 (Over the kitchen)	23.10	m2		
2.6	Dismantle partitions of toilet compartments for reuse, including removal and transport of leftover products to leak, including all the work necessary for the correct execution of the work.				
2.6.1	WC2 (Over the kitchen)	1.00	un		
3 MASONRY AND PARTITIONS					
3.1	Execution of interior masonry, composed of 30x20x7 perforated ceramic brick, based on cement mortar and sand at trace 1:5, according to pieces drawn from alterations (yellow and red), including plastering and all necessary work.				

3.1.1 WC2 (Over the kitchen)	2.55	m2
4 FLOOR COVERING		
4.1 Supply and laying of floor, including cement cement cement properly suited to the support and coating to be placed, either in type or in size and bitumen of joints with "Ultracolor plus", in the color to be chosen, including all materials, works and equipment accessories and necessary for the correct execution of the work.		
4.1.1 WC2 (Over the kitchen) - Revigres model Pigment Sand NAT ANTISLIP, or equivalent. Includes execution or repair of the screed if necessary.	25.40	m2
5 WALL CLADDING		
5.1 Supply and execution of chapisco and plastered on interior walls to receive coatings, including application of network in the lations between different materials and all the necessary work, according to the details, ready to take finish.		
5.2 Supply and application of ceramic coatings on the walls to the ceiling, according to layout, based on cement cement glue properly suited to the support and coating to be applied, including bituming of the joints and all the work, accessories and materials necessary for the correct execution.		
5.2.1 WC2 (Over the kitchen) - Revigres Chromatic Superwhite 60x30 Matt Rect, or equivalent	27.75	m2
5.2.2 WC2 (Over the kitchen) - Revigres Chromatic BEGE Rect 30x30, or equivalent	55.40	m2
6 CEILING CLADDING		
6.1 Renovation of existing false ceiling in plasterboard / stafe, including openings or closures necessary for passage or replacement of installations.		
6.1.1 WC2 (Over the kitchen)	23.10	m2
7 PAINTINGS		
7.1 Execution of painting on false ceilings of Sanitary Facilities, with plastic paint, white color, after coat of primer, according to the drawn parts, including all materials, works and accessory equipment and necessary for the correct execution of the work. The inks to be used must be from Robialac's serious Robiotel, or equivalent.		
7.1.1 WC2 (Over the kitchen)	25.40	m2

8 SANITARY DISHES AND ACCESSORIES

8.1 Supply and assembly of Sanindusa suspended toilet, model NEW WCCARE DP, or equivalent, including outdoor flowmeter 3/4" Sanindusa Eco type, New WCCare toilet top with front opening with slowclose, or equivalent, and all work and accessories to its proper functioning.	2.00	un
8.2 Supply and laying of shower bases of the type Sanindusa Quadra 90x90, including preparatory work, waterproofing, valves and all materials and accessories necessary for the correct execution and operation.	2.00	un
8.3 Supply and laying of mirror for the Sanitary Installation, with 60x80 cm, to be incarnated, including all materials and work necessary for the correct execution.	3.00	un
8.4 Supply and assembly of 3-way recessed shower mixer "Sanindusa Master 40 round mirror", or equivalent, including wall rod kit and pine cone "Sanindusa Duo 200", or equivalent and all materials and works necessary for proper execution.	2.00	un
8.5 Supply and laying of Sanindusa urinal, Ria model, or equivalent, including sanindusa timed tap model Eco, or equivalent, connections, fixings, accessories and all materials, work and equipment accessories and necessary for the correct execution of the work.	2.00	un
8.6 Supply and assembly of washbasins to fit over Sanindusa, Paris model, or equivalent including single-command mixer Sanindusa model Easy, or equivalent, connections, fixings, accessories and all materials, works and equipment accessories and necessary for the correct execution of the work.	3.00	un
8.7 Supply and assembly of sanindusa landing washbasins, model Sanlife 60x35, or equivalent including single-command mixer Sanindusa model Easy, or equivalent, connections, fixings, accessories and all materials, work and equipment accessories and necessary for the correct execution of the work.	3.00	un
8.7a Optional: Reuse of existing landing washbasins, including new Sanindusa single-control mixers model Easy, or equivalent, connections, fixings, accessories and all necessary materials, work and equipment and accessories.	3.00	un

9 CARPENTRY, STONEMWORK and FRAMES

9.1 Supply and assembly of white lacquered aluminum frames in structure and shower doors with 1.70x0.80, including hardware and closing with busy indicator of type JNF model IN.04.101 or equivalent and all work and accessories necessary for proper operation.	3.60	m2
9.2 Supply and assembly of white lacquered aluminum frames in structure and doors of toilet compartments with 1.50x0.60, including hardware and closing with busy indicator of type JNF model IN.04.101 or equivalent and all work and accessories necessary for the correct operation.	2.00	m2
9.3 Reuse and replacement of bench in natural stone to be replaced in the poles, including if necessary cuts or openings, corrections of frames, polishing and if necessary replacement of new poleias in stainless steel. It also includes the accessories and all the work necessary for the correct finish.	2.00	un
9.4 Reuse and replacement of toilet partitions in natural stone to be replaced in the supports, including if necessary cuts or openings, corrections of frames, polishing and if necessary replacement of new supports and squares in stainless steel. It also includes the accessories and all the work necessary for the correct finish.	1.00	vg

10 WATER NETWORK

10.1	Installation of water network, in stainless steel piping with tracing according to project, including supply of pipes, sectioning valves, insulation of the hot water network and connection to the distribution network of the building and all work and accessories to its correct execution.		
10.1.1	Distribution network in discharge from the cover with supports suitable for the diameter of the pipe. Including opening and closing of roços and holes in the slabs for passage of pipes.		
10.1.1.1	Cold Water - 42mm	3.50	m
10.1.1.2	Hot Water - 28mm (insulation 20mm)	3.50	m
10.1.2	Power supply to be installed under the walls, including opening and covering of roços.		
10.1.2.1	Cold water - 18mm	1.80	m
10.1.2.2	Hot water - 18mm (insulation 10mm)	1.80	m
10.1.2.3	Cold water - 22mm	16.80	m
10.1.2.4	Hot water - 22mm (insulation 10mm)	16.80	m
10.1.2.5	Cold water - 42mm	3.93	m
10.1.2.6	Hot water - 28mm (insulation 10mm)	3.95	m
10.1.3	Hidden adjustment sectioning valves for wall incaration, including chrome handle in diameter suitable for the pipe where it is inserted.	2.00	un
10.1.4	Assembly of sanitary equipment, including single-control faucets, flushing and supply and assembly of individual miter taps.	1.00	un

11 SEWERAGE NETWORK

11.1	Installation of sewage network, in pvc piping with tracing according to project, including supply of pipes, boxes, lids, gutters, drainage grids and all work and accessories to its correct execution.		
11.1.1	Discharge extensions 50mm	1.50	m
11.1.2	Supply and assembly of drainage channels with stainless steel grate, class A15, 115x136x1000mm, including all work and connection accessories.	1.00	m
11.1.3	Supply and laying of piping of the sewage network, including interconnection with existing network, connection of sewage if necessary for water heater and verification / repair of existing connections of toilets, washbasin, urinals, showers, according to project, and all work and accessories necessary for its correct execution. Includes load testing or internal filming if necessary to check the conditions and/or watertightness of all existing piping.	1.00	un
11.1.4	Assembly of sanitary appliances, cleaning and testing of the network.	1.00	un

12 VENTILATION, FUME EXHAUST AND AIR CONDITIONING

12.1	Checking, cleaning, maintenance and painting of ventilation grilles on false ceilings.	1.00	un
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13 SEVERAL

13.1	Supply and assembly of LED panel Ø22.5cm, 18 W, natural white 4000K, aluminum structure, including all materials and work necessary for proper operation.	5.00	un
13.2	Supply and assembly of Ø12cm Led panel, 12 W, natural white 4000K, aluminum structure, including all materials and work necessary for proper operation.	2.00	un
13.3	Supply and installation of double switch, EfaPel, LOGUS model 90 BASE, color to be defined, or equivalent to the existing one, including all necessary accessories and work and adaptation to existing boxes.	1.00	un
13.4	EfaPel simple outlet supply and installation, LOGUS 90 BASE model, color to be defined, or equivalent, including new wiring from the junction box or electrical frame and all necessary accessories and work.	4.00	un
13.5	Supply and assembly of wall armor with LED lamp 60cm, natural white 4000k, ikea godmorgon type 60 or equivalent. Includes wall adaptation with replacement of appliques for electrical part.	3.00	un

13.6	Treatment of existing door in wood, aduela and trims, including sanding and varnishing with finish equivalent to the existing and all accessories and materials necessary for the correct execution of the work.	1.00	un
13.7	Verification of smoke detectors, including operating tests and all necessary materials, equipment and work.	1.00	un
13.8	Supply and assembly of wall emergency lamp on the exit doors, permanent and with pictogram, for sanitary installations, including all accessories and work necessary for the correct execution.	1.00	un
13.9	Supply and assembly of shower corner shelves, dimensions approx. 30x30, including fixings and all necessary work and equipment.	4.00	un
13.10	Supply and assembly of stone bench, including fixings by poleias to be installed in WC2 near showers - 125x40cm	1.00	un
13.11	Un tampar roller holder for JNF series angle in.42.134 or equivalent toilet compartments	2.00	un
13.12	JNF jumbo series roll dispenser IN.60.489 or equivalent	2.00	un
13.13	Sanindusa link or equivalent urinal separator	1.00	un
13.14	Waterproofing work of shower spaces, including base and walls up to 1.80m, to be performed in highly elastic monocomponent cementiments mortar of mapei monolastic type or equivalent, ready to receive ceramic.	2.00	un
13.15	General cleaning of the work ready to deliver to the customer	1.00	un

TOTAL BUDGET

Vat is added to the amount shown at the legal rate in force.

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All dimensions must be confirmed in the work.					
All finishing materials and equipment must be submitted to the approval of the construction site before application.					
It will be the responsibility of the liability insurance contractor.					
A Architecture					
1 PRELIMINARY WORK					
1.1	Delimitation of the shipyard area, including protection of non-intervened areas, furniture and property in general, signage of work, means of individual and collective protection and temporary and support facilities, if justified, all in accordance with compliance with the legal and regulatory provisions in force.	1.00	un		
2 DEMOLITIONS, DISMANTLING AND PROTECTIONS					
2.1	Disassemble of complete sanitary ware and shower bases, including removal and transport of leftover products to the drain, all according to pieces drawn from alterations (yellow and red).				
2.1.1	WC3 (Near to the kitchen)	1.00	un		
2.2	Removal of ceramic coatings from existing walls in the W.C., for application of new materials, including removal of mirrors, pipes and built-in boxes, removal and transport of leftover products to the drain. It also includes the chipping of plaster or stucco on the top of the tile up to the level of the false ceiling for later placement of tile on the entire wall.				
2.2.1	WC3 (Near to the kitchen)	14.70	m2		
2.3	Removal of ceramic coatings from existing floors in the W.C., for application of new materials, including chipping, removal and transport of leftover products to the drain.				
2.3.1	WC3 (Near to the kitchen)	2.55	m2		
3 FLOOR COVERING					
3.1	Supply and laying of floor, including cement cement cement properly suited to the support and coating to be placed, either in type or in size and bitumen of joints with "Ultracolor plus", in the color to be chosen, including all materials, works and equipment accessories and necessary for the correct execution of the work.				
3.1.1	WC3 (Near to the kitchen) - Regregese model Pigment Lead 30x30 NAT, or equivalent. Includes screed execution or repair if necessary.	2.60	m2		
4 WALL CLADDING					
4.1	Supply and application of ceramic coatings on the walls to the ceiling, according to layout, based on cement cement glue properly suited to the support and coating to be applied, including bituming of the joints and all the work, accessories and materials necessary for the correct execution.				

4.1.1	WC3 (Near to the kitchen) - Rechrome Superwhite 60x30 Ret, or equivalent	6.60	m2
4.1.2	WC3 (Near to the kitchen) - Repletic Opal 30x30 Ret, or equivalent	8.00	m2

5 CEILING CLADDING

5.1	Renovation of existing false ceiling in plasterboard / stafe, including openings or closures necessary for passage or replacement of installations.		
5.1.1	WC3 (Near to the kitchen)	2.50	m2

6 PAINTINGS

6.1	Execution of painting on false ceilings of Sanitary Facilities, with plastic paint, white color, after coat of primer, according to the drawn parts, including all materials, works and accessory equipment and necessary for the correct execution of the work. The inks to be used must be from Robialac's serious Robiotel, or equivalent.		
6.1.1	WC3 (Near to the kitchen)	2.70	m2

7 SANITARY DISHES AND ACCESSORIES		
7.1	Supply and assembly of Sanindusa type landing toilet, Project Confort DC model, or equivalent, including compact tank, project confort toilet top with slowclose, or equivalent, and all jobs and accessories to its proper operation.	1.00 un
7.2	Supply and laying of Sanindusa column washbasin, Sanlife model, or equivalent, including single-command mixer sanindusa model Easy, or equivalent, connections, fixings, accessories and all materials, works and equipment accessories and necessary for the correct execution of the work.	1.00 un
7.3	Supply and laying of mirror for the Sanitary Installation, with 60x80 cm, to be incarnated, including all materials and work necessary for the correct execution.	1.00 un
8 WATER NETWORK		
8.1	Installation of water network, in stainless steel piping with tracing according to project, including supply of pipes, sectioning valves, insulation of the hot water network and connection to the distribution network of the building and all work and accessories to its correct execution.	
8.1.1	Distribution network in discharge from the cover with supports suitable for the diameter of the pipe. Including opening and closing of roços and holes in the slabs for passage of pipes.	
8.1.1.1	Cold water - 22mm	2.00 m
8.1.1.2	Hot Water - 22mm (insulation 20mm)	2.00 m
8.1.2	Power supply to be installed under the walls, including opening and covering of roços.	
8.1.2.1	Cold water - 18mm	0.90 m
8.1.2.2	Cold water - 22mm	5.20 m
8.1.2.3	Hot water - 22mm (insulation 10mm)	5.20 m
8.1.3	Hidden adjustment sectioning valves for wall incarnation, including chrome handle in diameter suitable for the pipe where it is inserted.	2.00 un
8.1.4	Assembly of sanitary equipment, including single-control faucets, flushing and supply and assembly of individual miter taps.	1.00 un
9 SEWERAGE NETWORK		
9.1.1	Supply and laying of piping of the sewage network, including interconnection with existing network, connection of sewage if necessary for water heater and verification / repair of existing connections of toilets, washbasin, urinals, showers, according to project, and all work and accessories necessary for its correct execution. Includes load testing or internal filming if necessary to check the conditions and/or watertightness of all existing piping.	1.00 un
9.1.2	Assembly of sanitary appliances, cleaning and testing of the network.	1.00 un
10 VENTILATION, FUME EXHAUST AND AIR CONDITIONING		
10.1	Checking, cleaning, maintenance and painting of ventilation grilles on false ceilings.	1.00 un
11 SEVERAL		
11.1	Efapel simple switch supply and installation, LOGUS 90 BASE model, color to be defined, or equivalent to existing, including all necessary accessories and jobs.	1.00 un
11.2	Supply and assembly of wall armor with LED lamp 60cm, natural white 4000k, ikea godmorgon type 60 or equivalent. Includes wall adaptation with replacement of appliques for electrical part.	1.00 un
11.3	Treatment of existing door in wood, aduela and trims, including sanding and varnishing with finish equivalent to the existing and all accessories and materials necessary for the correct execution of the work.	1.00 un
11.4	Verification of smoke detectors, including operating tests and all necessary materials, equipment and work.	1.00 un

11.5 Supply and assembly of wall emergency lamp on the exit doors, permanent and with pictogram, for sanitary installations, including all accessories and work necessary for the correct execution.	1.00	un
11.6 JNF jumbo series roll dispenser IN.60.489 or equivalent	1.00	un
11.7 General cleaning of the work ready to deliver to the customer	1.00	un
TOTAL BUDJET		

Vat is added to the amount shown at the legal rate in force.

EMBASSY OF THE UNITED STATES OF AMERICA

REMODELING OF THE MSGR BATHROOMS

AVENIDA DAS FORÇAS ARMADAS, LISBOA

DRAFT CHANGES

MQT

Ref. ^a	Description	Quant.	Un.	Partial Total	Total
NOTES:					
The measurement criteria to be considered are those stipulated by the LNEC.					
The articles include all the works, materials and equipment necessary for the execution of the same and their perfect finish.					
All materials to be demolished will be separated and transported to the authorized leak, the responsibility of the contractor.					
All dimensions must be confirmed in the work.					
All finishing materials and equipment must be submitted to the approval of the construction site before application.					
It will be the responsibility of the liability insurance contractor.					
A ARCHITECTURE					
1 PRELIMINARY WORK					
1.1	Delimitation of the shipyard area, including protection of non-intervened areas, furniture and property in general, signage of work, means of individual and collective protection and temporary and support facilities, if justified, all in accordance with compliance with the legal and regulatory provisions in force.	1.00	un		
2 DEMOLITIONS, DISMANTLING AND PROTECTIONS					
2.1	Demolition of existing masonry walls in interiors, repair of confining stops, removal and transport of leftover products to the drain, according to pieces drawn of alterations (yellow and red).				
2.1.1	WC4 (Marble bathroom)	1.14	m3		
2.2	Disassemble of complete sanitary ware and shower bases, including removal and transport of leftover products to the drain, all according to pieces drawn from alterations (yellow and red).				
2.2.1	WC4 (Marble Bathroom)	1.00	un		
2.3	Removal of mirrors and built-in boxes, removal and transport of leftover products to the drain. It also includes the masonry closure of the empty areas and finishing in plaster or stucco equivalent to the area where it is inserted.				
2.3.1	WC4 (Marble bathroom)	1.00	vg		
2.4	Removal of natural stone wall coverings, for application of new materials, including transportation of leftover products to the leak. It also includes the chipping of plaster or stucco on the top of the stone up to the level of the false ceiling for later tile placement.				
2.4.1	WC4 (Marble bathroom)	7.00	m2		
3 FLOOR COVERING					
3.1	Supply and laying of floor, including cement cement cement properly suited to the support and coating to be placed, either in type or in size and bitumen of joints with "Ultracolor plus", in the color to be chosen, including all materials, works and equipment accessories and necessary for the correct execution of the work.				
3.1.1	WC4 (Marble bathroom) - Cinca Anti-slip 4331 20x20, or equivalent in the execution of the shower floor. Includes execution or repair of the screed if necessary.	2.15	m2		
3.2	Treatment of existing floor to be maintained, including joints to repair and retouch and polish the entire floor.				
3.2.1	WC4 (Marble bathroom)	5.10	m2		

4 WALL CLADDING

4.1 Supply and execution of chapisco and plastered on interior walls to receive coatings, including application of network in the lations between different materials and all the necessary work, according to the details, ready to take finish. (new walls of the men's and women's locker room, closing doors and trims)	15.00	m2
4.2 Supply and application of ceramic coatings on the walls to the ceiling, according to layout, based on cement cement glue properly suited to the support and coating to be applied, including bituming of the joints and all the work, accessories and materials necessary for the correct execution.		
4.2.1 WC4 (Marble Bathroom) - Porcelain type Cinca Combi 9553 2.5x2.	5.18	m2
4.2.2 WC4 (Marble Bathroom)	18.88	m2

5 CEILING CLADDING

5.1 Renovation of existing false ceiling in plasterboard / stafe, including openings or closures necessary for passage or replacement of installations.		
5.1.1 WC4 (Marble Bathroom)	5.10	m2

6 PAINTINGS

6.1 Execution of painting on interior walls, with plastic paint, white color (or other to be defined), after primer, according to the drawn parts, including all materials, works and accessories necessary for the correct execution of the work. The paints to be used must be Robialac's Vipsuper, or equivalent.		
6.1.1 WC4 (Marble Bathroom)	15.10	m2
6.2 Execution of painting on false ceilings of Sanitary Facilities, with plastic paint, white color, after coat of primer, according to the drawn parts, including all materials, works and accessory equipment and necessary for the correct execution of the work. The inks to be used must be from Robialac's serious Robiotel, or equivalent.		
6.2.1 WC4 (Marble Bathroom)	5.10	m2

7 SANITARY DISHES AND ACCESSORIES

7.1 Supply and assembly of Sanindusa type landing toilet, Project Confort DC model, or equivalent, including compact tank, project confort toilet top with slowclose, or equivalent, and all jobs and accessories to its proper operation.	1.00	un
7.2 Supply and laying of Sanindusa column washbasin, Sanlife model, or equivalent, including single-command mixer sanindusa model Easy, or equivalent, connections, fixings, accessories and all materials, works and equipment accessories and necessary for the correct execution of the work.	1.00	un
7.3 Supply and laying of mirror for the Sanitary Installation, with 60x80 cm, to be incarnated, including all materials and work necessary for the correct execution.	1.00	un
7.4 Supply and assembly of 3-way recessed shower mixer "Sanindusa Master 40 round mirror", or equivalent, including wall rod kit and pine cone "Sanindusa Duo 200", or equivalent and all materials and works necessary for proper execution.	1.00	un

8 CARPENTRY, STONEMWORK and FRAMES

8.1 Supply and assembly of shower guard in tempered glass laminated with door open to the outside, including hardware, fixings, insulations, finishing profiles and all accessories and work necessary for the perfect finishing.	1.00	un
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9 WATER NETWORK		
9.1.1	Supply and laying of copper water supply pipes for adaptation of new 3-way shower faucet to be renovated - Wc4	1.00 un
9.1.2	Assembly of sanitary equipment, including single-control faucets, flushing and supply and assembly of individual miter taps.	1.00 un
10 SEWERAGE NETWORK		
10.1	Supply and laying of piping of the sewage network, including interconnection with existing network, connection of sewage if necessary for water heater and verification / repair of existing connections of toilets, washbasin, urinals, showers, according to project, and all work and accessories necessary for its correct execution. Includes load testing or internal filming if necessary to check the conditions and/or watertightness of all existing piping.	1.00 un
10.2	Revestech Dry50 Sumi flat stainless steel dry50 Sumi flat shower drain supply and assembly, including vulcanised waterproofing blanket, or equivalent	1.00 un
10.3	Assembly of sanitary appliances, cleaning and testing of the network.	1.00 un
11 VENTILATION, FUME EXHAUST AND AIR CONDITIONING		
11.1	Checking, cleaning, maintenance and painting of ventilation grilles on false ceilings.	1.00 un
12 SEVERAL		
12.1	Supply and assembly of LED panel Ø22.5cm, 18 W, natural white 4000K, aluminum structure, including all materials and work necessary for proper operation.	1.00 un
12.2	Supply and installation of double switch, Efapel, LOGUS model 90 BASE, color to be defined, or equivalent to the existing one, including all necessary accessories and work and adaptation to existing boxes.	1.00 un
12.3	Efapel simple socket supply and installation, LOGUS 90 BASE model, color to be defined, or equivalent, to be installed new in WC4 (Marble Bathroom) including new piping and wiring from the junction box or electrical frame and all necessary accessories and work.	1.00 un
12.4	Supply and assembly of wall armor with LED lamp 60cm, natural white 4000k, ikea godmorgon type 60 or equivalent. Includes wall adaptation with replacement of appliques for electrical part.	1.00 un
12.5	Treatment of existing door in wood, aduela and trims, including sanding and varnishing with finish equivalent to the existing and all accessories and materials necessary for the correct execution of the work.	2.00 un
12.6	Verification of smoke detectors, including operating tests and all necessary materials, equipment and work.	1.00 un
12.7	Supply and assembly of wall emergency lamp on the exit doors, permanent and with pictogram, for sanitary installations, including all accessories and work necessary for the correct execution.	1.00 un
12.8	Supply and assembly of shower corner shelves, dimensions approx. 30x30, including fixings and all necessary work and equipment.	2.00 un
12.9	JNF jumbo series roll dispenser IN.60.489 or equivalent	1.00 un
12.10	Waterproofing work of shower spaces, including base and walls up to 1.80m, to be performed in highly elastic monocomponent cementiments mortar of mapei monolastic type or equivalent, ready to receive ceramic.	1.00 un
12.11	General cleaning of the work ready to deliver to the customer	1.00 un

TOTAL BUDGET

Vat is added to the amount shown at the legal rate in force.

EMBASSY OF THE UNITED STATES OF AMERICA

REMODELING OF THE MSGR BATHROOMS

AVENIDA DAS FORÇAS ARMADAS, LISBOA

PROJETO DE ALTERAÇÕES

ESTIMATIVA

Ref. ^a	Description	Quant.	Un.	Partial Total	Total
Notes:					
The measurement criteria to be considered are those stipulated by the LNEC.					
The articles include all the works, materials and equipment necessary for the execution of the same and their perfect finish.					
All materials to be demolished will be separated and transported to the authorized leak, the responsibility of the contractor.					
All dimensions must be confirmed in the work.					
All finishing materials and equipment must be submitted to the approval of the construction site before application.					
It will be the responsibility of the liability insurance contractor.					
A Architecture					
1 PRELIMINARY WORK					
1.1	Delimitation of the shipyard area, including protection of non-intervened areas, furniture and property in general, signage of work, means of individual and collective protection and temporary and support facilities, if justified, all in accordance with compliance with the legal and regulatory provisions in force.	1.00	un		
2 DEMOLITIONS, DISMANTLING AND PROTECTIONS					
2.1	Disassemble of complete sanitary ware and shower bases, including removal and transport of leftover products to the drain, all according to pieces drawn from alterations (yellow and red).				
2.1.1	WC5 (Lioz Bathroom)	1.00	un		
2.2	Removal of mirrors and built-in boxes, removal and transport of leftover products to the drain. It also includes the masonry closure of the empty areas and finishing in plaster or stucco equivalent to the area where it is inserted.				
2.2.1	WC5 (Lioz Bathroom)	1.00	vg		
3 FLOOR COVERING					
3.1	Treatment of existing floor to be maintained, including joints to repair and retouch and polish the entire floor.				
3.1.1	WC5 (Lioz Bathroom)	3.30	m2		
4 WALL CLADDING					
4.1	Treatment of existing walls to maintain, including joints to repair and retouch and polishing of all stone.				
4.1.1	WC4 (Marble Bathroom)	18.88	m2		
4.1.2	WC5 (Lioz Bathroom)	11.00	m2		
5 CEILING CLADDING					
5.1	Renovation of existing false ceiling in plasterboard / stafe, including openings or closures necessary for passage or replacement of installations.				
5.1.1	WC5 (Lioz Bathroom)	3.50	m2		
6 Paintings					

6.1 Execution of painting on interior walls, with plastic paint, white color (or other to be defined), after primer, according to the drawn parts, including all materials, works and accessories necessary for the correct execution of the work. The paints to be used must be Robialac's Vipsuper, or equivalent.	7.30	m2
6.1.1 WC5 (Lioz Bathroom)		
6.2 Execution of painting on false ceilings of Sanitary Facilities, with plastic paint, white color, after coat of primer, according to the drawn parts, including all materials, works and accessory equipment and necessary for the correct execution of the work. The inks to be used must be from Robialac's serious Robiotel, or equivalent.	3.50	m2
6.2.1 WC5 (Lioz Bathroom)		

7 SANITARY DISHES AND ACCESSORIES

7.1 Supply and assembly of Sanindusa type landing toilet, Project Confort DC model, or equivalent, including compact tank, project confort toilet top with slowclose, or equivalent, and all jobs and accessories to its proper operation.	1.00	un
7.2 Supply and laying of Sanindusa column washbasin, Sanlife model, or equivalent, including single-command mixer sanindusa model Easy, or equivalent, connections, fixings, accessories and all materials, works and equipment accessories and necessary for the correct execution of the work.	1.00	un
7.3 Supply and laying of mirror for the Sanitary Installation, with 60x80 cm, to be incarnated, including all materials and work necessary for the correct execution.	1.00	un

8 WATER NETWORK		
8.1.1	Assembly of sanitary equipment, including single-control faucets, flushing and supply and assembly of individual miter taps.	1.00 un
9 SEWERAGE NETWORK		
9.1	Supply and laying of piping of the sewage network, including interconnection with existing network, connection of sewage if necessary for water heater and verification / repair of existing connections of toilets, washbasin, urinals, showers, according to project, and all work and accessories necessary for its correct execution. Includes load testing or internal filming if necessary to check the conditions and/or watertightness of all existing piping.	1.00 un
9.1.1	Assembly of sanitary appliances, cleaning and testing of the network.	1.00 un
10 VENTILATION, FUME EXHAUST AND AIR CONDITIONING		
10.1	Checking, cleaning, maintenance and painting of ventilation grilles on false ceilings.	1.00 un
11 Several		
11.1	Efapel simple switch supply and installation, LOGUS 90 BASE model, color to be defined, or equivalent to existing, including all necessary accessories and jobs.	1.00 un
11.2	Efapel simple outlet supply and installation, LOGUS 90 BASE model, color to be defined, or equivalent, including new wiring from the junction box or electrical frame and all necessary accessories and work.	1.00 un
11.3	Supply and assembly of wall armor with LED lamp 60cm, natural white 4000k, ikea godmorgon type 60 or equivalent. Includes wall adaptation with replacement of appliques for electrical part.	1.00 un
11.4	Treatment of existing door in wood, aduela and trims, including sanding and varnishing with finish equivalent to the existing and all accessories and materials necessary for the correct execution of the work.	1.00 un
11.5	Verification of smoke detectors, including operating tests and all necessary materials, equipment and work.	1.00 un
11.6	Supply and assembly of wall emergency lamp on the exit doors, permanent and with pictogram, for sanitary installations, including all accessories and work necessary for the correct execution.	1.00 un
11.7	JNF jumbo series roll dispenser IN.60.489 or equivalent	1.00 un
11.8	General cleaning of the work ready to deliver to the customer	1.00 un
TOTAL BUDGET		

Vat is added to the amount shown at the legal rate in force.

EMBASSY OF THE UNITED STATES OF AMERICA

REMODELING OF THE MSGR BATHROOMS

AVENIDA DAS FORÇAS ARMADAS, LISBOA

DRAFT CHANGES

MQT

Ref. ^a	Descrição	Quant.	Un.	Total Parcial	Total
NOTES:					
The measurement criteria to be considered are those stipulated by the LNEC.					
The articles include all the works, materials and equipment necessary for the execution of the same and their perfect finish.					
All materials to be demolished will be separated and transported to the authorized leak, the responsibility of the contractor.					
All dimensions must be confirmed in the work.					
All finishing materials and equipment must be submitted to the approval of the construction site before application.					
It will be the responsibility of the liability insurance contractor.					
A Architecture					
1 PRELIMINARY WORK					
1.1	Delimitation of the shipyard area, including protection of non-intervened areas, furniture and property in general, signage of work, means of individual and collective protection and temporary and support facilities, if justified, all in accordance with compliance with the legal and regulatory provisions in force.	1.00	un		
2 DEMOLITIONS, DISMANTLING AND PROTECTIONS					
2.1	Desmonte de bancadas de lavatórios em pedra natural para Dismantling of washbasin countertops in natural stone for reuse, including removal of washbasins, faucets and accessories and sending all leftover products to drain.				
2.1.1	WC6 (Under the Stair)	1.00	un		
2.2	Disassemble of complete sanitary ware and shower bases, including removal and transport of leftover products to the drain, all according to pieces drawn from alterations (yellow and red).				
2.2.1	WC6 (Under the Stair)	1.00	un		
2.3	Removal of ceramic coatings from existing walls in the W.C., for application of new materials, including removal of mirrors, pipes and built-in boxes, removal and transport of leftover products to the drain. It also includes the chipping of plaster or stucco on the top of the tile up to the level of the false ceiling for later placement of tile on the entire wall.				
2.3.1	WC6 (Under the Stair)	22.70	m2		
2.4	Removal of ceramic coatings from existing floors in the W.C., for application of new materials, including chipping, removal and transport of leftover products to the drain.				
2.4.1	WC6 (Under the Stair)	3.10	m2		
3 WALL CLADDING					
3.1	Supply and application of ceramic coatings on the walls to the ceiling, according to layout, based on cement cement glue properly suited to the support and coating to be applied, including bituming of the joints and all the work, accessories and materials necessary for the correct execution.				
3.1.1	WC6 (Under the Stair) - Revigres Chromatic Superwhite 60x30 Matt Rect, or equivalent	13.35	m2		
3.1.2	WC6 (Under the Stair) - Revigres Chromatic Titanium 30x30 Rect, or equivalent	5.50	m2		
4 CEILING CLADDING					

4.1 Renovation of existing false ceiling in plasterboard / stafe, including openings or closures necessary for passage or replacement of installations.	2.10	m2
4.1.1 WC6 (Under the Stair)		
5 PAINTINGS		
5.1 Execution of painting on false ceilings of Sanitary Facilities, with plastic paint, white color, after coat of primer, according to the drawn parts, including all materials, works and accessory equipment and necessary for the correct execution of the work. The inks to be used must be from Robialac's serious Robitel, or equivalent.	3.45	m2
5.1.1 WC6 (Under the Stair)		

6 SANITARY DISHES AND ACCESSORIES

6.1 Supply and assembly of Sanindusa type landing toilet, Project Confort DC model, or equivalent, including compact tank, project confort toilet top with slowclose, or equivalent, and all jobs and accessories to its proper operation.	1.00	un
6.2 Supply and laying of mirror for the Sanitary Installation, with 60x80 cm, to be incarnated, including all materials and work necessary for the correct execution.	1.00	un
6.3 Supply and assembly of washbasins to fit over Sanindusa, Paris model, or equivalent including single-command mixer Sanindusa model Easy, or equivalent, connections, fixings, accessories and all materials, works and equipment accessories and necessary for the correct execution of the work.	1.00	un

7 CARPENTRY, STONWORK and FRAMES

7.1 Reuse and replacement of bench in natural stone to be replaced in the poles, including if necessary cuts or openings, corrections of frames, polishing and if necessary replacement of new poleias in stainless steel. It also includes the accessories and all the work necessary for the correct finish.	1.00	un
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8 WATER NETWORK

8.1 Installation of water network, in stainless steel piping with tracing according to project, including supply of pipes, sectioning valves, insulation of the hot water network and connection to the distribution network of the building and all work and accessories to its correct execution.

8.1.1 Distribution network in discharge from the cover with supports suitable for the diameter of the pipe. Including opening and closing of roços and holes in the slabs for passage of pipes.

8.1.1.1 Cold water - 22mm 1.00 m

8.1.1.2 Hot Water - 22mm (insulation 20mm) 1.00 m

8.1.2 Power supply to be installed under the walls, including opening and covering of roços.

8.1.2.1 Cold water - 18mm 3.50 m

8.1.2.2 Cold water - 22mm 1.50 m

8.1.2.3 Hot water - 22mm (insulation 10mm) 1.50 m

8.1.3 Hidden adjustment sectioning valves for wall incanation, including chrome handle in diameter suitable for the pipe where it is inserted.

8.1.4 Assembly of sanitary equipment, including single-control faucets, flushing and supply and assembly of individual miter taps. 1.00 un

9 SEWERAGE NETWORK

9.1 Supply and laying of piping of the sewage network, including interconnection with existing network, connection of sewage if necessary for water heater and verification / repair of existing connections of toilets, washbasin, urinals, showers, according to project, and all work and accessories necessary for its correct execution. Includes load testing or internal filming if necessary to check the conditions and/or watertightness of all existing piping. 1.00 un

9.2 Assembly of sanitary appliances, cleaning and testing of the network. 1.00 un

10 VENTILATION, FUME EXHAUST AND AIR CONDITIONING

10.1 Supply and assembly of ø80 recessable ceiling/wall diffuser connecting to existing ducts. 1.00 un

11 Several

11.1 Supply and assembly of LED panel Ø22.5cm, 18 W, natural white 4000K, aluminum structure, including all materials and work necessary for proper operation. 1.00 un

11.2 EfaPel simple switch supply and installation, LOGUS 90 BASE model, color to be defined, or equivalent to existing, including all necessary accessories and jobs. 2.00 un

11.3 Supply and assembly of wall armor with LED lamp 60cm, natural white 4000k, ikea godmorgon type 60 or equivalent. Includes wall adaptation with replacement of appliques for electrical part 1.00 un

11.4 Treatment of existing door in wood, aduela and trims, including sanding and varnishing with finish equivalent to the existing and all accessories and materials necessary for the correct execution of the work. 2.00 un

11.5 Verification of smoke detectors, including operating tests and all necessary materials, equipment and work. 1.00 un

11.6 Supply and assembly of wall emergency lamp on the exit doors, permanent and with pictogram, for sanitary installations, including all accessories and work necessary for the correct execution. 1.00 un

11.7 JNF jumbo series roll dispenser IN.60.489 or equivalent 1.00 un

11.8 Electrical installation work on the WC6 (Under the Stair) for separation of interior lighting from the compartments, with the placement of a switch inside the toilet compartment, including boxes, pipes, threads and all necessary work and connections. 1.00 un

11.9 General cleaning of the work ready to deliver to the customer 1.00 un

Vat is added to the amount shown at the legal rate in force.

EMBASSY OF THE UNITED STATES OF AMERICA

REMODELING OF THE MSGR BATHROOMS

AVENIDA DAS FORÇAS ARMADAS, LISBOA

PROJETO DE ALTERAÇÕES

MQT

Ref. ^a	Descrição	Quant.	Un.	Total Parcial	Total
NOTAS:					
Os critérios de medição a considerar são os estipulados pelo LNEC.					
Estão compreendidos nos artigos todos os trabalhos, materiais e equipamentos necessários à execução dos mesmos e ao seu perfeito acabamento.					
Todos os materiais a demolir serão separados e transportados a vazadouro autorizado, da responsabilidade do empreiteiro.					
Todas as dimensões deverão ser confirmadas em obra.					
Todos os materiais de acabamento e equipamentos devem ser submetidos a aprovação do dono de obra antes da aplicação.					
Será da responsabilidade do empreiteiro seguro de responsabilidade civil.					
A ARQUITETURA					
1 TRABALHOS PRELIMINARES					
1.1	Delimitação da área de estaleiro, incluindo proteção de áreas não intervencionadas, mobiliário e bens em geral, sinalização de obra, meios de proteção individual e coletiva e instalações provisórias e de apoio, caso se justifique, tudo de acordo com o cumprimento das disposições legais e regulamentares em vigor.	1.00	un		
2 DEMOLIÇÕES, DESMONTES E PROTEÇÕES					
2.1	Demolição de paredes de alvenaria existentes em interiores, reparação de paramentos confinantes, remoção e transporte de produtos sobranes a vazadouro, de acordo com peças desenhadas de alterações (amarelos e vermelhos).				
2.1.1	WC1 (Over the bar)	0.40	m3		
2.2	Desmonte de porta, aduelas e guarnições existentes em resguardos de duchas, incluindo remoção e transporte dos produtos sobranes a vazadouro, tudo de acordo com peças desenhadas de alterações (amarelos e vermelhos).				
2.2.1	WC1 (Over the bar)	2.00	un		
2.3	Desmonte de armários e bancadas de instalações sanitárias, incluindo remoção e transporte dos produtos sobranes a vazadouro, incluindo todos os trabalhos necessários à correta execução dos trabalhos.				
2.3.1	WC1 (Over the bar)	1.00	un		
2.4	Desmonte de louças sanitárias completas e bases de duche, incluindo remoção e transporte dos produtos sobranes a vazadouro, tudo de acordo com peças desenhadas de alterações (amarelos e vermelhos).				
2.4.1	WC1 (Over the bar)	1.00	un		
2.5	Remoção de revestimentos cerâmicos de paredes existentes no W.C., para aplicação de novos materiais, incluindo remoção de espelhos, tubagens e caixas embutidas, remoção e transporte dos produtos sobranes a vazadouro. Inclui ainda a picagem de reboco ou estuque na parte superior do azulejo até ao nível do teto falso para posterior colocação de azulejo em toda a parede.				
2.5.1	WC1 (Over the bar)	27.39	m2		
2.6	Remoção de revestimentos cerâmicos de pavimentos existentes no W.C., para aplicação de novos materiais, incluindo picagem de betonilhas, remoção e transporte dos produtos sobranes a vazadouro.				
2.6.1	WC1 (Over the bar)	8.10	m2		
3 ALVENARIAS E DIVISÓRIAS					

3.1	Execução de alvenaria interior, composta por tijolo cerâmico furado 30x20x7, assente com argamassa de cimento e areia ao traço 1:5, de acordo com peças desenhadas de alterações (amarelos e vermelhos), incluindo reboco e todos os trabalhos necessários.		
3.1.1	WC1 (Over the bar)	2.55	m2
4 REVESTIMENTO DE PAVIMENTOS			
4.1	Fornecimento e assentamento de pavimento, incluindo cimento cola de base cimentícia devidamente adequado ao suporte e ao revestimento a colocar, quer em tipo, quer em dimensão e betumagem de juntas com "Ultracolor plus", na cor a escolher, incluindo todos os materiais, trabalhos e equipamentos acessórios e necessários à correta execução dos trabalhos.		
4.1.1	WC1 (Over the bar) - Revigres modelo Pigmento Chumbo 30x30 NAT ANTISLIP, ou equivalente. Inclui execução ou reparação de betonilha se necessário.	8.90	m2
5 REVESTIMENTO DE PAREDES			
5.1	Fornecimento e aplicação de revestimentos cerâmico nas paredes até ao teto, conforme layout, assentes com cimento cola de base cimentícia devidamente adequada ao suporte e ao revestimento a aplicar, incluindo betumagem das juntas e todos os trabalhos, acessórios e materiais necessários à correta execução.		
5.1.1	WC1 (Over the bar) - Revigres Cromática Superbranco 60x30 Matt Rect, ou equivalente	15.50	m2
5.1.2	WC1 (Over the bar) - Revigres Cromática Opala 30x30 Rect, ou equivalente	15.00	m2
6 REVESTIMENTO DE TECTOS			
6.1	Renovação de teto falso existente em gesso cartonado / estafe, incluindo aberturas ou fechos necessários para passagem ou substituição de instalações.		
6.1.1	WC1 (Over the bar)	8.10	m2
7 PINTURAS			
7.1	Execução de pintura em tetos falsos de Instalações Sanitárias, com tinta plástica, cor branca, após demão de primário, de acordo com as peças desenhadas, incluindo todos os materiais, trabalhos e equipamentos acessórios e necessários à correta execução dos trabalhos. As tintas a utilizar deverão ser da série Robiotel da Robialac, ou equivalentes.		
7.1.1	WC1 (Over the bar)	8.90	m2

8 LOUÇAS E ACESSÓRIOS SANITÁRIOS

8.1	Fornecimento e montagem de sanita de pousar tipo Sanindusa, modelo Project Confort DC, ou equivalente, incluindo tanque compacto, tampo para sanita project confort com slowclose, ou equivalente, e todos os trabalhos e acessórios ao seu bom funcionamento.	1.00	un
8.2	Fornecimento e assentamento de bases de duche do tipo Sanindusa Quadra 90x90, incluindo trabalhos preparatórios, impermeabilizações, válvulas e todos os materiais e acessórios necessários à correta execução e funcionamento.	2.00	un
8.3	Fornecimento e assentamento de espelho para a Instalação Sanitária, com 150x80 cm, a encastrar, incluindo todos os materiais e trabalhos necessários à correta execução.	1.00	un
8.4	Fornecimento e montagem de misturadora de chuveiro de encastrar de 3 vias "Sanindusa Master 40 espelho redondo", ou equivalente, incluindo kit haste de parede e pinha "Sanindusa Duo 200", ou equivalente e todos os materiais e trabalhos necessários à correta execução.	2.00	un
8.5	Fornecimento e montagem de lavatórios de encastrar por cima Sanindusa, modelo Paris, ou equivalente incluindo misturadora monocomando tipo Sanindusa modelo Easy, ou equivalente, ligações, fixações, acessórios e todos os materiais, trabalhos e equipamentos acessórios e necessários à correta execução dos trabalhos.	2.00	un

9 CARPINTARIAS, CANTARIAS e CAIXILHARIAS

9.1	Fornecimento e montagem de caixilharia de alumínio lacado a branco em estrutura e portas de duchas com 1.70x0.80, incluindo ferragens e fecho com indicador de ocupado do tipo JNF modelo IN.04.101 ou equivalente e todos os trabalhos e acessórios necessários ao correto funcionamento.	4.80	m2
9.2	Fornecimento e montagem de caixilharia de alumínio lacado a branco em estrutura e portas de compartimentos das sanitas com 1.50x0.60, incluindo ferragens e fecho com indicador de ocupado do tipo JNF modelo IN.04.101 ou equivalente e todos os trabalhos e acessórios necessários ao correto funcionamento.	2.00	m2
9.3	Fornecimento e montagem de móvel de instalação sanitária para lavatório duplo, acabamento em Melamina cor branco conforme peças desenhadas, incluindo 4 portas de abrir sistema de puxador oculto, prateleiras interiores, pedra com aba pendurada em silestone ou equivalente cor branca, incluindo furos para encastre de lavatórios, remates, todos os trabalhos e acessórios necessários.	1.00	un

10 REDE DE ÁGUAS		
10.1	Instalação de rede de águas, em tubagem de inox com traçado conforme projeto, incluindo fornecimento de tubagens, válvulas de seccionamento, isolamento da rede de água quente e ligação à rede de distribuição do edifício e todos os trabalhos e acessórios à sua correta execução.	
10.1.1	Rede de distribuição em desvão da cobertura com suportes adequados ao diâmetro da tubagem. Incluindo abertura e fecho de roços e furos nas lajes para passagem dos tubos.	
10.1.1.1	Água fria - 22mm	2.00 m
10.1.1.2	Água Quente - 22mm (isolamento 20mm)	2.00 m
10.1.2	Rede de alimentação a instalar encastrada nas paredes, incluindo abertura e tapamento de roços.	
10.1.2.1	Água fria - 18mm	3.00 m
10.1.2.2	Água quente - 18mm (isolamento 10mm)	0.90 m
10.1.2.3	Água fria - 22mm	6.70 m
10.1.2.4	Água quente - 22mm (isolamento 10mm)	6.70 m
10.1.3	Válvulas de seccionamento de regulação oculta para encastrar na parede, incluindo manipulo cromado em diâmetro adequado à tubagem onde se insere.	2.00 un
10.1.4	Montagem de equipamentos sanitários, incluindo torneiras monocomando, autoclismos e fornecimento e montagem de torneiras individuais de esquadria.	1.00 un
11 REDE DE ESGOTOS		
11.1	Instalação de rede de esgotos, em tubagem de pvc com traçado conforme projeto, incluindo fornecimento de tubagens, caixas, tampas, caleiras, grelhas de drenagem e todos os trabalhos e acessórios à sua correta execução.	
11.1.1	Ramais de descarga 40mm	7.66 m
11.1.2	Ramais de descarga 50mm	1.10 m
11.1.3	Ramais de descarga 90mm	1.00 m
11.1.4	Fornecimento e montagem de sifões de pavimento em pvc incluindo tampa inox, e todos os trabalhos e acessórios necessários.	
11.1.4.1	Sifão de pavimento 3e40, 1s50	1.00 un
11.1.5	Fornecimento e montagem de canais de drenagem com grelha em inox, classe A15, 115x136x1000mm, incluindo todos os trabalhos e acessórios de ligação.	1.00 m
11.1.6	Fornecimento e assentamento de tubagem da rede de esgotos, incluindo interligação com rede existente, ligação de esgotos se necessário para termoacumulador e verificação/reparação de ligações existente de sanitas, lavatório, urinois, chuveiros, conforme projeto, e todos os trabalhos e acessórios necessários à sua correta execução. Inclui ensaio de carga ou filmagem interna se necessário para verificação das condições e/ou estanqueidade de toda a tubagem existente.	1.00 un
11.1.7	Montagem de aparelhos sanitários, limpeza e ensaio da rede.	1.00 un
12 VENTILAÇÃO, EXAUSTÃO DE FUMOS E AR CONDICIONADO		
12.1	Verificação, limpeza, manutenção e pintura de grelhas de ventilação existentes em tetos falsos.	1.00 un
13 DIVERSOS		
13.1	Fornecimento e montagem de painel de Led Ø22.5cm, 18 W, natural white 4000K, estrutura em alumínio, incluindo todos materiais e trabalhos necessários ao correto funcionamento.	1.00 un
13.2	Fornecimento e instalação de interruptor duplo, da Efapel, modelo LOGUS 90 BASE, cor a definir, ou equivalente ao existente, incluindo todos os acessórios e trabalhos necessários e adaptação às caixas existentes.	1.00 un
13.3	Fornecimento e instalação de tomada simples, da Efapel, modelo LOGUS 90 BASE, cor a definir, ou equivalente, incluindo nova cablagem a partir da caixa de derivação ou quadro elétrico e todos os acessórios e trabalhos necessários.	2.00 un
13.4	Fornecimento e montagem de armadura de parede com lampada LED 100cm, natural white 4000k, do tipo Ikea Godmorgon 100 ou equivalente	1.00 un

13.5	Tratamento de porta existente em madeira, aduela e guarnições, incluindo lixagem e envernizamento com acabamento equivalente ao existente e todos os acessórios e materias necessárias à correta execução dos trabalhos.	1.00	un
13.6	Verificação de detetores de fumos, incluindo testes de funcionamento e todos os materiais, equipamentos e trabalhos necessários.	1.00	un
13.7	Fornecimento e montagem de luminária de emergência de parede sobre as portas de saída, permanente e com pictograma, para instalações sanitárias, incluindo todos os acessórios e trabalhos necessários à correta execução.	1.00	un
13.8	Fornecimento e montagem de prateleiras de canto de duche, dimensões aprox. 30x30, incluindo fixações e todos os trabalhos e equipamentos necessários.	4.00	un
13.9	Porta rolos sem tampa para compartimentos de sanitas do tipo JNF série angulo IN.42.134 ou equivalente	1.00	un
13.10	Dispensador de rolo do tipo JNF série jumbo IN.60.489 ou equivalente	1.00	un
13.11	Trabalho de impermeabilização de espaços de duche, incluindo base e paredes até 1.80m, a executar em argamassa cimenticia monocomponente altamente elástica do tipo Mapei Monolastic ou equivalente, pronta a receber cerâmica.	2.00	un
13.12	Limpeza geral da obra pronta a entregar ao cliente	1.00	un
TOTAL DO ORÇAMENTO			

Ao valor apresentado acresce o IVA à taxa legal em vigor.

EMBASSY OF THE UNITED STATES OF AMERICA

REMODELING OF THE MSGR BATHROOMS

AVENIDA DAS FORÇAS ARMADAS, LISBOA

PROJETO DE ALTERAÇÕES

MQT

Ref.ª	Descrição	Quant.	Un.	Total Parcial	Total
NOTAS:					
Os critérios de medição a considerar são os estipulados pelo LNEC.					
Estão compreendidos nos artigos todos os trabalhos, materiais e equipamentos necessários à execução dos mesmos e ao seu perfeito acabamento.					
Todos os materiais a demolir serão separados e transportados a vazadouro autorizado, da responsabilidade do empreiteiro.					
Todas as dimensões deverão ser confirmadas em obra.					
Todos os materiais de acabamento e equipamentos devem ser submetidos a aprovação do dono de obra antes da aplicação.					
Será da responsabilidade do empreiteiro seguro de responsabilidade civil.					
A ARQUITETURA					
1 TRABALHOS PRELIMINARES					
1.1	Delimitação da área de estaleiro, incluindo proteção de áreas não intervencionadas, mobiliário e bens em geral, sinalização de obra, meios de proteção individual e coletiva e instalações provisórias e de apoio, caso se justifique, tudo de acordo com o cumprimento das disposições legais e regulamentares em vigor.	1.00	un		
2 DEMOLIÇÕES, DESMONTES E PROTEÇÕES					
2.1	Desmonte de porta, aduelas e guarnições existentes em resguardos de duchas, incluindo remoção e transporte dos produtos sobrantes a vazadouro, tudo de acordo com peças desenhadas de alterações (amarelos e vermelhos).				
2.1.1	WC2 (Over the kitchen)	2.00	un		
2.2	Desmonte de bancadas de lavatórios em pedra natural para reaproveitamento, incluindo remoção de lavatórios, torneiras e acessórios e envio de todos os produtos sobrantes a vazadouro.				
2.2.1	WC2 (Over the kitchen)	2.00	un		
2.3	Desmonte de louças sanitárias completas e bases de duche, incluindo remoção e transporte dos produtos sobrantes a vazadouro, tudo de acordo com peças desenhadas de alterações (amarelos e vermelhos).				
2.3.1	WC2 (Over the kitchen)	1.00	un		
2.4	Remoção de revestimentos cerâmicos de paredes existentes no W.C., para aplicação de novos materiais, incluindo remoção de espelhos, tubagens e caixas embutidas, remoção e transporte dos produtos sobrantes a vazadouro. Inclui ainda a picagem de reboco ou estuque na parte superior do azulejo até ao nível do teto falso para posterior colocação de azulejo em toda a parede.				
2.4.1	WC2 (Over the kitchen)	71.55	m2		
2.5	Remoção de revestimentos cerâmicos de pavimentos existentes no W.C., para aplicação de novos materiais, incluindo picagem de betonilhas, remoção e transporte dos produtos sobrantes a vazadouro.				
2.5.1	WC2 (Over the kitchen)	23.10	m2		
2.6	Desmonte de divisórias dos compartimentos das sanitas para reaproveitamento, incluindo remoção e transporte dos produtos sobrantes a vazadouro, incluindo todos os trabalhos necessários à correta execução dos trabalhos.				
2.6.1	WC2 (Over the kitchen)	1.00	un		
3 ALVENARIAS E DIVISÓRIAS					

3.1	Execução de alvenaria interior, composta por tijolo cerâmico furado 30x20x7, assente com argamassa de cimento e areia ao traço 1:5, de acordo com peças desenhadas de alterações (amarelos e vermelhos), incluindo reboco e todos os trabalhos necessários.		
3.1.1	WC2 (Over the kitchen)	2.55	m2
4 REVESTIMENTO DE PAVIMENTOS			
4.1	Fornecimento e assentamento de pavimento, incluindo cimento cola de base cimentícia devidamente adequado ao suporte e ao revestimento a colocar, quer em tipo, quer em dimensão e betumagem de juntas com "Ultracolor plus", na cor a escolher, incluindo todos os materiais, trabalhos e equipamentos acessórios e necessários à correta execução dos trabalhos.		
4.1.1	WC2 (Over the kitchen) - Revigres modelo Pigmento Areia NAT ANTISLIP, ou equivalente. Inclui execução ou reparação da betonilha se necessário.	25.40	m2
5 REVESTIMENTO DE PAREDES			
5.1	Fornecimento e execução de chapisco e reboco sarrafado em paredes interiores para receber revestimentos, incluindo aplicação de rede nas ligações entre materiais diferentes e de todos os trabalhos necessários, de acordo com os pormenores, pronto a levar acabamento.	20.00	m2
5.2	Fornecimento e aplicação de revestimentos cerâmico nas paredes até ao teto, conforme layout, assentes com cimento cola de base cimentícia devidamente adequada ao suporte e ao revestimento a aplicar, incluindo betumagem das juntas e todos os trabalhos, acessórios e materiais necessários à correta execução.		
5.2.1	WC2 (Over the kitchen) - Revigres Cromática Superbranco 60x30 Matt Rect, ou equivalente	27.75	m2
5.2.2	WC2 (Over the kitchen) - Revigres Cromática BEGE Rect 30x30, ou equivalente	55.40	m2
6 REVESTIMENTO DE TECTOS			
6.1	Renovação de teto falso existente em gesso cartonado / estafe, incluindo aberturas ou fechos necessários para passagem ou substituição de instalações.		
6.1.1	WC2 (Over the kitchen)	23.10	m2
7 PINTURAS			
7.1	Execução de pintura em tetos falsos de Instalações Sanitárias, com tinta plástica, cor branca, após demão de primário, de acordo com as peças desenhadas, incluindo todos os materiais, trabalhos e equipamentos acessórios e necessários à correta execução dos trabalhos. As tintas a utilizar deverão ser da série Robiotel da Robialac, ou equivalentes.		
7.1.1	WC2 (Over the kitchen)	25.40	m2

8 LOUÇAS E ACESSÓRIOS SANITÁRIOS

8.1	Fornecimento e montagem de sanita suspensa tipo Sanindusa, modelo NEW WCCARE DP, ou equivalente, incluindo fluxômetro exterior 3/4" tipo Sanindusa Eco, tampo para sanita New WCCare com abertura frontal com slowclose, ou equivalente, e todos os trabalhos e acessórios ao seu bom funcionamento.	2.00	un
8.2	Fornecimento e assentamento de bases de duche do tipo Sanindusa Quadra 90x90, incluindo trabalhos preparatórios, impermeabilizações, válvulas e todos os materiais e acessórios necessários à correta execução e funcionamento.	2.00	un
8.3	Fornecimento e assentamento de espelho para a Instalação Sanitária, com 60x80 cm, a encastrar, incluindo todos os materiais e trabalhos necessários à correta execução.	3.00	un
8.4	Fornecimento e montagem de misturadora de chuveiro de encastrar de 3 vias "Sanindusa Master 40 espelho redondo", ou equivalente, incluindo kit haste de parede e pinha "Sanindusa Duo 200", ou equivalente e todos os materiais e trabalhos necessários à correta execução.	2.00	un
8.5	Fornecimento e assentamento de urinol tipo Sanindusa, modelo Ria, ou equivalente, incluindo torneira temporizada tipo sanindusa modelo Eco, ou equivalente, ligações, fixações, acessórios e todos os materiais, trabalhos e equipamentos acessórios e necessários á correta execução dos trabalhos.	2.00	un
8.6	Fornecimento e montagem de lavatórios de encastrar por cima Sanindusa, modelo Paris, ou equivalente incluindo misturadora monocomando tipo Sanindusa modelo Easy, ou equivalente, ligações, fixações, acessórios e todos os materiais, trabalhos e equipamentos acessórios e necessários à correta execução dos trabalhos.	3.00	un
8.7	Fornecimento e montagem de lavatórios de pousar Sanindusa, modelo Sanlife 60x35, ou equivalente incluindo misturadora monocomando tipo Sanindusa modelo Easy, ou equivalente, ligações, fixações, acessórios e todos os materiais, trabalhos e equipamentos acessórios e necessários à correta execução dos trabalhos.	3.00	un
8.7a	Opcional: Reaproveitamento dos lavatórios de pousar existentes, incluindo novas misturadoras monocomando tipo Sanindusa modelo Easy, ou equivalente, ligações, fixações, acessórios e todos os materiais, trabalhos e equipamentos e acessórios necessários.	3.00	un

9 CARPINTARIAS, CANTARIAS e CAIXILHARIAS

9.1	Fornecimento e montagem de caixilharia de alumínio lacado a branco em estrutura e portas de duches com 1.70x0.80, incluindo ferragens e fecho com indicador de ocupado do tipo JNF modelo IN.04.101 ou equivalente e todos os trabalhos e acessórios necessários ao correto funcionamento.	3.60	m2
9.2	Fornecimento e montagem de caixilharia de alumínio lacado a branco em estrutura e portas de compartimentos das sanitas com 1.50x0.60, incluindo ferragens e fecho com indicador de ocupado do tipo JNF modelo IN.04.101 ou equivalente e todos os trabalhos e acessórios necessários ao correto funcionamento.	2.00	m2
9.3	Reaproveitamento e recolocação de bancada em pedra natural a recolocar nas poleias, incluindo se necessário cortes ou aberturas, correções de esquadrias, polimento e se necessário substituição de novas poleias em aço inox. Inclui ainda os acessórios e todos os trabalhos necessários ao correto acabamento.	2.00	un
9.4	Reaproveitamento e recolocação de divisórias das sanitas em pedra natural a recolocar nos apoios, incluindo se necessário cortes ou aberturas, correções de esquadrias, polimento e se necessário substituição de novos apoios e esquadros em aço inox. Inclui ainda os acessórios e todos os trabalhos necessários ao correto acabamento.	1.00	vg

10 REDE DE ÁGUAS

10.1	Instalação de rede de águas, em tubagem de inox com traçado conforme projeto, incluindo fornecimento de tubagens, válvulas de seccionamento, isolamento da rede de água quente e ligação à rede de distribuição do edifício e todos os trabalhos e acessórios à sua correta execução.		
10.1.1	Rede de distribuição em desvão da cobertura com suportes adequados ao diâmetro da tubagem. Incluindo abertura e fecho de roços e furos nas lajes para passagem dos tubos.		
10.1.1.1	Água fria - 42mm	3.50	m
10.1.1.2	Água Quente - 28mm (isolamento 20mm)	3.50	m
10.1.2	Rede de alimentação a instalar encastrada nas paredes, incluindo abertura e tapamento de roços.		
10.1.2.1	Água fria - 18mm	1.80	m
10.1.2.2	Água quente - 18mm (isolamento 10mm)	1.80	m
10.1.2.3	Água fria - 22mm	16.80	m
10.1.2.4	Água quente - 22mm (isolamento 10mm)	16.80	m
10.1.2.5	Água fria - 42mm	3.93	m
10.1.2.6	Água quente - 28mm (isolamento 10mm)	3.95	m
10.1.3	Válvulas de seccionamento de regulação oculta para encastrar na parede, incluindo manipulo cromado em diâmetro adequado à tubagem onde se insere.	2.00	un
10.1.4	Montagem de equipamentos sanitários, incluindo torneiras monocomando, autoclismos e fornecimento e montagem de torneiras individuais de esquadria.	1.00	un

11 REDE DE ESGOTOS

11.1	Instalação de rede de esgotos, em tubagem de pvc com traçado conforme projeto, incluindo fornecimento de tubagens, caixas, tampas, caleiras, grelhas de drenagem e todos os trabalhos e acessórios à sua correta execução.		
11.1.1	Ramais de descarga 50mm	1.50	m
11.1.2	Fornecimento e montagem de canais de drenagem com grelha em inox, classe A15, 115x136x1000mm, incluindo todos os trabalhos e acessórios de ligação.	1.00	m
11.1.3	Fornecimento e assentamento de tubagem da rede de esgotos, incluindo interligação com rede existente, ligação de esgotos se necessário para termoacumulador e verificação/reparação de ligações existente de sanitas, lavatório, urinois, chuveiros, conforme projeto, e todos os trabalhos e acessórios necessários à sua correta execução. Inclui ensaio de carga ou filmagem interna se necessário para verificação das condições e/ou estanqueidade de toda a tubagem existente.	1.00	un
11.1.4	Montagem de aparelhos sanitários, limpeza e ensaio da rede.	1.00	un

12 VENTILAÇÃO, EXAUSTÃO DE FUMOS E AR CONDICIONADO

12.1	Verificação, limpeza, manutenção e pintura de grelhas de ventilação existentes em tetos falsos.	1.00	un
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13 DIVERSOS

13.1	Fornecimento e montagem de painel de Led Ø22.5cm, 18 W, natural white 4000K, estrutura em alumínio, incluindo todos materiais e trabalhos necessários ao correto funcionamento.	5.00	un
13.2	Fornecimento e montagem de painel de Led Ø12cm, 12 W, natural white 4000K, estrutura em alumínio, incluindo todos materiais e trabalhos necessários ao correto funcionamento.	2.00	un
13.3	Fornecimento e instalação de interruptor duplo, da Efapel, modelo LOGUS 90 BASE, cor a definir, ou equivalente ao existente, incluindo todos os acessórios e trabalhos necessários e adaptação às caixas existentes.	1.00	un
13.4	Fornecimento e instalação de tomada simples, da Efapel, modelo LOGUS 90 BASE, cor a definir, ou equivalente, incluindo nova cablagem a partir da caixa de derivação ou quadro elétrico e todos os acessórios e trabalhos necessários.	4.00	un
13.5	Fornecimento e montagem de armadura de parede com lampada LED 60cm, natural white 4000k, do tipo Ikea Godmorgon 60 ou equivalente. Inclui adaptação na parede com recolocação dos apliques para parte elétrica.	3.00	un

13.6	Tratamento de porta existente em madeira, aduela e guarnições, incluindo lixagem e envernizamento com acabamento equivalente ao existente e todos os acessórios e materiais necessárias à correta execução dos trabalhos.	1.00	un
13.7	Verificação de detetores de fumos, incluindo testes de funcionamento e todos os materiais, equipamentos e trabalhos necessários.	1.00	un
13.8	Fornecimento e montagem de luminária de emergência de parede sobre as portas de saída, permanente e com pictograma, para instalações sanitárias, incluindo todos os acessórios e trabalhos necessários à correta execução.	1.00	un
13.9	Fornecimento e montagem de prateleiras de canto de duche, dimensões aprox. 30x30, incluindo fixações e todos os trabalhos e equipamentos necessários.	4.00	un
13.10	Fornecimento e montagem de banco em pedra, incluindo fixações por poleias a instalar na WC2 perto dos duches - 125x40cm	1.00	un
13.11	Porta rolos sem tampa para compartimentos de sanitas do tipo JNF série angulo IN.42.134 ou equivalente	2.00	un
13.12	Dispensador de rolo do tipo JNF série jumbo IN.60.489 ou equivalente	2.00	un
13.13	Separador de urinol tipo Sanindusa link ou equivalente	1.00	un
13.14	Trabalho de impermeabilização de espaços de duche, incluindo base e paredes até 1.80m, a executar em argamassa cimentícia monocomponente altamente elástica do tipo Mapei Monolastic ou equivalente, pronta a receber cerâmica.	2.00	un
13.15	Limpeza geral da obra pronta a entregar ao cliente	1.00	un
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TOTAL DO ORÇAMENTO			

Ao valor apresentado acresce o IVA à taxa legal em vigor.

EMBASSY OF THE UNITED STATES OF AMERICA

REMODELING OF THE MSGR BATHROOMS

AVENIDA DAS FORÇAS ARMADAS, LISBOA

PROJETO DE ALTERAÇÕES

MQT

Ref.ª	Descrição	Quant.	Un.	Total Parcial	Total
NOTAS:					
Os critérios de medição a considerar são os estipulados pelo LNEC.					
Estão compreendidos nos artigos todos os trabalhos, materiais e equipamentos necessários à execução dos mesmos e ao seu perfeito acabamento.					
Todos os materiais a demolir serão separados e transportados a vazadouro autorizado, da responsabilidade do empreiteiro.					
Todas as dimensões deverão ser confirmadas em obra.					
Todos os materiais de acabamento e equipamentos devem ser submetidos a aprovação do dono de obra antes da aplicação.					
Será da responsabilidade do empreiteiro seguro de responsabilidade civil.					
A ARQUITETURA					
1 TRABALHOS PRELIMINARES					
1.1	Delimitação da área de estaleiro, incluindo proteção de áreas não intervencionadas, mobiliário e bens em geral, sinalização de obra, meios de proteção individual e coletiva e instalações provisórias e de apoio, caso se justifique, tudo de acordo com o cumprimento das disposições legais e regulamentares em vigor.	1.00	un		
2 DEMOLIÇÕES, DESMONTES E PROTEÇÕES					
2.1	Desmonte de louças sanitárias completas e bases de duche, incluindo remoção e transporte dos produtos sobrantes a vazadouro, tudo de acordo com peças desenhadas de alterações (amarelos e vermelhos).				
2.1.1	WC3 (Near to the kitchen)	1.00	un		
2.2	Remoção de revestimentos cerâmicos de paredes existentes no W.C., para aplicação de novos materiais, incluindo remoção de espelhos, tubagens e caixas embutidas, remoção e transporte dos produtos sobrantes a vazadouro. Inclui ainda a picagem de reboco ou estuque na parte superior do azulejo até ao nível do teto falso para posterior colocação de azulejo em toda a parede.				
2.2.1	WC3 (Near to the kitchen)	14.70	m2		
2.3	Remoção de revestimentos cerâmicos de pavimentos existentes no W.C., para aplicação de novos materiais, incluindo picagem de betonilhas, remoção e transporte dos produtos sobrantes a vazadouro.				
2.3.1	WC3 (Near to the kitchen)	2.55	m2		
3 REVESTIMENTO DE PAVIMENTOS					
3.1	Fornecimento e assentamento de pavimento, incluindo cimento cola de base cimentícia devidamente adequado ao suporte e ao revestimento a colocar, quer em tipo, quer em dimensão e betumagem de juntas com "Ultracolor plus", na cor a escolher, incluindo todos os materiais, trabalhos e equipamentos acessórios e necessários à correta execução dos trabalhos.				
3.1.1	WC3 (Near to the kitchen) - Revigrês modelo Pigmento Chumbo 30x30 NAT, ou equivalente. Inclui execução ou reparação de betonilha se necessário.	2.60	m2		
4 REVESTIMENTO DE PAREDES					

4.1 Fornecimento e aplicação de revestimentos cerâmico nas paredes até ao teto, conforme layout, assentes com cimento cola de base cimentícia devidamente adequada ao suporte e ao revestimento a aplicar, incluindo betumação das juntas e todos os trabalhos, acessórios e materiais necessários à correta execução.

4.1.1 WC3 (Near to the kitchen) - Revigrês Cromática Superbranco 60x30 Ret, ou equivalente	6.60	m2
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4.1.2 WC3 (Near to the kitchen) - Revigrês Cromática Opala 30x30 Ret, ou equivalente	8.00	m2
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5 REVESTIMENTO DE TECTOS

5.1 Renovação de teto falso existente em gesso cartonado / estafe, incluindo aberturas ou fechos necessários para passagem ou substituição de instalações.

5.1.1 WC3 (Near to the kitchen)	2.50	m2
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6 PINTURAS

6.1 Execução de pintura em tetos falsos de Instalações Sanitárias, com tinta plástica, cor branca, após demão de primário, de acordo com as peças desenhadas, incluindo todos os materiais, trabalhos e equipamentos acessórios e necessários à correta execução dos trabalhos. As tintas a utilizar deverão ser da série Robiotel da Robialac, ou equivalentes.

6.1.1 WC3 (Near to the kitchen)	2.70	m2
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7 LOUÇAS E ACESSÓRIOS SANITÁRIOS		
7.1	Fornecimento e montagem de sanita de pousar tipo Sanindusa, modelo Project Confort DC, ou equivalente, incluindo tanque compacto, tampo para sanita project confort com slowclose, ou equivalente, e todos os trabalhos e acessórios ao seu bom funcionamento.	1.00 un
7.2	Fornecimento e assentamento de lavatório de coluna tipo Sanindusa, modelo Sanlife, ou equivalente, incluindo misturadora monocomando tipo sanindusa modelo Easy, ou equivalente, ligações, fixações, acessórios e todos os materiais, trabalhos e equipamentos acessórios e necessários à correta execução dos trabalhos.	1.00 un
7.3	Fornecimento e assentamento de espelho para a Instalação Sanitária, com 60x80 cm, a encastrar, incluindo todos os materiais e trabalhos necessários à correta execução.	1.00 un
8 REDE DE ÁGUAS		
8.1	Instalação de rede de águas, em tubagem de inox com traçado conforme projeto, incluindo fornecimento de tubagens, válvulas de seccionamento, isolamento da rede de água quente e ligação à rede de distribuição do edifício e todos os trabalhos e acessórios à sua correta execução.	
8.1.1	Rede de distribuição em desvão da cobertura com suportes adequados ao diâmetro da tubagem. Incluindo abertura e fecho de roços e furos nas lajes para passagem dos tubos.	
8.1.1.1	Água fria - 22mm	2.00 m
8.1.1.2	Água Quente - 22mm (isolamento 20mm)	2.00 m
8.1.2	Rede de alimentação a instalar encastrada nas paredes, incluindo abertura e tapamento de roços.	
8.1.2.1	Água fria - 18mm	0.90 m
8.1.2.2	Água fria - 22mm	5.20 m
8.1.2.3	Água quente - 22mm (isolamento 10mm)	5.20 m
8.1.3	Válvulas de seccionamento de regulação oculta para encastrar na parede, incluindo manipulo cromado em diâmetro adequado à tubagem onde se insere.	2.00 un
8.1.4	Montagem de equipamentos sanitários, incluindo torneiras monocomando, autoclismos e fornecimento e montagem de torneiras individuais de esquadria.	1.00 un
9 REDE DE ESGOTOS		
9.1.1	Fornecimento e assentamento de tubagem da rede de esgotos, incluindo interligação com rede existente, ligação de esgotos se necessário para termoacumulador e verificação/reparação de ligações existente de sanitas, lavatório, urinois, chuveiros, conforme projeto, e todos os trabalhos e acessórios necessários à sua correta execução. Inclui ensaio de carga ou filmagem interna se necessário para verificação das condições e/ou estanqueidade de toda a tubagem existente.	1.00 un
9.1.2	Montagem de aparelhos sanitários, limpeza e ensaio da rede.	1.00 un
10 VENTILAÇÃO, EXAUSTÃO DE FUMOS E AR CONDICIONADO		
10.1	Verificação, limpeza, manutenção e pintura de grelhas de ventilação existentes em tetos falsos.	1.00 un
11 DIVERSOS		
11.1	Fornecimento e instalação de interruptor simples, da Efpapel, modelo LOGUS 90 BASE, cor a definir, ou equivalente ao existente, incluindo todos os acessórios e trabalhos necessários.	1.00 un
11.2	Fornecimento e montagem de armadura de parede com lampada LED 60cm, natural white 4000k, do tipo Ikea Godmorgon 60 ou equivalente. Inclui adaptação na parede com recolocação dos apliques para parte elétrica.	1.00 un
11.3	Tratamento de porta existente em madeira, aduela e guarnições, incluindo lixagem e envernizamento com acabamento equivalente ao existente e todos os acessórios e materias necessárias à correta execução dos trabalhos.	1.00 un
11.4	Verificação de detetores de fumos, incluindo testes de funcionamento e todos os materiais, equipamentos e trabalhos necessários.	1.00 un

11.5 Fornecimento e montagem de luminária de emergência de parede sobre as portas de saída, permanente e com pictograma, para instalações sanitárias, incluindo todos os acessórios e trabalhos necessários à correta execução.	1.00	un
11.6 Dispensador de rolo do tipo JNF série jumbo IN.60.489 ou equivalente	1.00	un
11.7 Limpeza geral da obra pronta a entregar ao cliente	1.00	un

TOTAL DO ORÇAMENTO

Ao valor apresentado acresce o IVA à taxa legal em vigor.

EMBASSY OF THE UNITED STATES OF AMERICA

REMODELING OF THE MSGR BATHROOMS

AVENIDA DAS FORÇAS ARMADAS, LISBOA

PROJETO DE ALTERAÇÕES

ESTIMATIVA

Ref.ª	Descrição	Quant.	Un.	Total Parcial	Total
NOTAS:					
Os critérios de medição a considerar são os estipulados pelo LNEC.					
Estão compreendidos nos artigos todos os trabalhos, materiais e equipamentos necessários à execução dos mesmos e ao seu perfeito acabamento.					
Todos os materiais a demolir serão separados e transportados a vazadouro autorizado, da responsabilidade do empreiteiro.					
Todas as dimensões deverão ser confirmadas em obra.					
Todos os materiais de acabamento e equipamentos devem ser submetidos a aprovação do dono de obra antes da aplicação.					
Será da responsabilidade do empreiteiro seguro de responsabilidade civil.					
A ARQUITETURA					
1 TRABALHOS PRELIMINARES					
1.1	Delimitação da área de estaleiro, incluindo proteção de áreas não intervencionadas, mobiliário e bens em geral, sinalização de obra, meios de proteção individual e coletiva e instalações provisórias e de apoio, caso se justifique, tudo de acordo com o cumprimento das disposições legais e regulamentares em vigor.	1.00	un		
2 DEMOLIÇÕES, DESMONTES E PROTEÇÕES					
2.1	Desmonte de louças sanitárias completas e bases de duche, incluindo remoção e transporte dos produtos sobrantes a vazadouro, tudo de acordo com peças desenhadas de alterações (amarelos e vermelhos).				
2.1.1	WC5 (Lioz Bathroom)	1.00	un		
2.2	Remoção de espelhos e caixas embutidas, remoção e transporte dos produtos sobrantes a vazadouro. Inclui ainda o fecho em alvenaria das zonas vazias e acabamento em reboco ou estuque equivalente à zona onde se insere.				
2.2.1	WC5 (Lioz Bathroom)	1.00	vg		
3 REVESTIMENTO DE PAVIMENTOS					
3.1	Tratamento de pavimento existente a manter, incluindo juntas a reparar e retocar e polimento de todo o pavimento.				
3.1.1	WC5 (Lioz Bathroom)	3.30	m2		
4 REVESTIMENTO DE PAREDES					
4.1	Tratamento de paredes existentes a manter, incluindo juntas a reparar e retocar e polimento de toda a pedra.				
4.1.1	WC4 (Marble Bathroom)	18.88	m2		
4.1.2	WC5 (Lioz Bathroom)	11.00	m2		
5 REVESTIMENTO DE TECTOS					
5.1	Renovação de teto falso existente em gesso cartonado / estafe, incluindo aberturas ou fechos necessários para passagem ou substituição de instalações.				
5.1.1	WC5 (Lioz Bathroom)	3.50	m2		
6 PINTURAS					

6.1 Execução de pintura em paredes interiores, com tinta plástica, cor branca (ou outra a definir), após demão de primário, de acordo com as peças desenhadas, incluindo todos os materiais, trabalhos e acessórios necessários á correta execução dos trabalhos. As tintas a utilizar deverão ser a Vipsuper da Robialac, ou equivalente.	7.30	m2
6.1.1 WC5 (Lioz Bathroom)		
6.2 Execução de pintura em tetos falsos de Instalações Sanitárias, com tinta plástica, cor branca, após demão de primário, de acordo com as peças desenhadas, incluindo todos os materiais, trabalhos e equipamentos acessórios e necessários á correta execução dos trabalhos. As tintas a utilizar deverão ser da séria Robiotel da Robialac, ou equivalentes.	3.50	m2
6.2.1 WC5 (Lioz Bathroom)		

7 LOUÇAS E ACESSÓRIOS SANITÁRIOS

7.1 Fornecimento e montagem de sanita de pousar tipo Sanindusa, modelo Project Confort DC, ou equivalente, incluindo tanque compacto, tampo para sanita project confort com slowclose, ou equivalente, e todos os trabalhos e acessórios ao seu bom funcionamento.	1.00	un
7.2 Fornecimento e assentamento de lavatório de coluna tipo Sanindusa, modelo Sanlife, ou equivalente, incluindo misturadora monocomando tipo sanindusa modelo Easy, ou equivalente, ligações, fixações, acessórios e todos os materiais, trabalhos e equipamentos acessórios e necessários á correta execução dos trabalhos.	1.00	un
7.3 Fornecimento e assentamento de espelho para a Instalação Sanitária, com 60x80 cm, a encastrar, incluindo todos os materiais e trabalhos necessários à correta execução.	1.00	un

8 REDE DE ÁGUAS		
8.1.1	Montagem de equipamentos sanitários, incluindo torneiras monocomando, autoclismos e fornecimento e montagem de torneiras individuais de esquadria.	1.00 un
9 REDE DE ESGOTOS		
9.1	Fornecimento e assentamento de tubagem da rede de esgotos, incluindo interligação com rede existente, ligação de esgotos se necessário para termoacumulador e verificação/reparação de ligações existente de sanitas, lavatório, urinois, chuveiros, conforme projeto, e todos os trabalhos e acessórios necessários à sua correta execução. Inclui ensaio de carga ou filmagem interna se necessário para verificação das condições e/ou estanqueidade de toda a tubagem existente.	1.00 un
9.1.1	Montagem de aparelhos sanitários, limpeza e ensaio da rede.	1.00 un
10 VENTILAÇÃO, EXAUSTÃO DE FUMOS E AR CONDICIONADO		
10.1	Verificação, limpeza, manutenção e pintura de grelhas de ventilação existentes em tetos falsos.	1.00 un
11 DIVERSOS		
11.1	Fornecimento e instalação de interruptor simples, da Efapel, modelo LOGUS 90 BASE, cor a definir, ou equivalente ao existente, incluindo todos os acessórios e trabalhos necessários.	1.00 un
11.2	Fornecimento e instalação de tomada simples, da Efapel, modelo LOGUS 90 BASE, cor a definir, ou equivalente, incluindo nova cablagem a partir da caixa de derivação ou quadro elétrico e todos os acessórios e trabalhos necessários.	1.00 un
11.3	Fornecimento e montagem de armadura de parede com lampada LED 60cm, natural white 4000k, do tipo Ikea Godmorgon 60 ou equivalente. Inclui adaptação na parede com recolocação dos apliques para parte elétrica.	1.00 un
11.4	Tratamento de porta existente em madeira, aduela e guarnições, incluindo lixagem e envernizamento com acabamento equivalente ao existente e todos os acessórios e matérias necessárias à correta execução dos trabalhos.	1.00 un
11.5	Verificação de detetores de fumos, incluindo testes de funcionamento e todos os materiais, equipamentos e trabalhos necessários.	1.00 un
11.6	Fornecimento e montagem de luminária de emergência de parede sobre as portas de saída, permanente e com pictograma, para instalações sanitárias, incluindo todos os acessórios e trabalhos necessários à correta execução.	1.00 un
11.7	Dispensador de rolo do tipo JNF série jumbo IN.60.489 ou equivalente	1.00 un
11.8	Limpeza geral da obra pronta a entregar ao cliente	1.00 un
TOTAL DO ORÇAMENTO		

Ao valor apresentado acresce o IVA à taxa legal em vigor.

EMBASSY OF THE UNITED STATES OF AMERICA

REMODELING OF THE MSGR BATHROOMS

AVENIDA DAS FORÇAS ARMADAS, LISBOA

PROJETO DE ALTERAÇÕES

MQT

Ref.ª	Descrição	Quant.	Un.	Total Parcial	Total
NOTAS:					
Os critérios de medição a considerar são os estipulados pelo LNEC.					
Estão compreendidos nos artigos todos os trabalhos, materiais e equipamentos necessários à execução dos mesmos e ao seu perfeito acabamento.					
Todos os materiais a demolir serão separados e transportados a vazadouro autorizado, da responsabilidade do empreiteiro.					
Todas as dimensões deverão ser confirmadas em obra.					
Todos os materiais de acabamento e equipamentos devem ser submetidos a aprovação do dono de obra antes da aplicação.					
Será da responsabilidade do empreiteiro seguro de responsabilidade civil.					
A ARQUITETURA					
1 TRABALHOS PRELIMINARES					
1.1	Delimitação da área de estaleiro, incluindo proteção de áreas não intervencionadas, mobiliário e bens em geral, sinalização de obra, meios de proteção individual e coletiva e instalações provisórias e de apoio, caso se justifique, tudo de acordo com o cumprimento das disposições legais e regulamentares em vigor.	1.00	un		
2 DEMOLIÇÕES, DESMONTES E PROTEÇÕES					
2.1	Desmonte de bancadas de lavatórios em pedra natural para reaproveitamento, incluindo remoção de lavatórios, torneiras e acessórios e envio de todos os produtos sobrantes a vazadouro.				
2.1.1	WC6 (Under the Stair)	1.00	un		
2.2	Desmonte de louças sanitárias completas e bases de duche, incluindo remoção e transporte dos produtos sobrantes a vazadouro, tudo de acordo com peças desenhadas de alterações (amarelos e vermelhos).				
2.2.1	WC6 (Under the Stair)	1.00	un		
2.3	Remoção de revestimentos cerâmicos de paredes existentes no W.C., para aplicação de novos materiais, incluindo remoção de espelhos, tubagens e caixas embutidas, remoção e transporte dos produtos sobrantes a vazadouro. Inclui ainda a picagem de reboco ou estuque na parte superior do azulejo até ao nível do teto falso para posterior colocação de azulejo em toda a parede.				
2.3.1	WC6 (Under the Stair)	22.70	m2		
2.4	Remoção de revestimentos cerâmicos de pavimentos existentes no W.C., para aplicação de novos materiais, incluindo picagem de betonilhas, remoção e transporte dos produtos sobrantes a vazadouro.				
2.4.1	WC6 (Under the Stair)	3.10	m2		
3 REVESTIMENTO DE PAREDES					
3.1	Fornecimento e aplicação de revestimentos cerâmico nas paredes até ao teto, conforme layout, assentes com cimento cola de base cimentícia devidamente adequada ao suporte e ao revestimento a aplicar, incluindo betumação das juntas e todos os trabalhos, acessórios e materiais necessários à correta execução.				
3.1.1	WC6 (Under the Stair) - Revigres Cromática Superbranco 60x30 Matt Rect, ou equivalente	13.35	m2		
3.1.2	WC6 (Under the Stair) - Revigres Cromática Titanium 30x30 Rect, ou equivalente	5.50	m2		

4 REVESTIMENTO DE TECTOS

4.1 Renovação de teto falso existente em gesso cartonado / estafe, incluindo aberturas ou fechos necessários para passagem ou substituição de instalações.

4.1.1 WC6 (Under the Stair)	2.10	m2
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5 PINTURAS

5.1 Execução de pintura em tetos falsos de Instalações Sanitárias, com tinta plástica, cor branca, após demão de primário, de acordo com as peças desenhadas, incluindo todos os materiais, trabalhos e equipamentos acessórios e necessários á correta execução dos trabalhos. As tintas a utilizar deverão ser da séria Robiotel da Robialac, ou equivalentes.

5.1.1 WC6 (Under the Stair)	3.45	m2
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6 LOUÇAS E ACESSÓRIOS SANITÁRIOS

6.1 Fornecimento e montagem de sanita de pousar tipo Sanindusa, modelo Project Confort DC, ou equivalente, incluindo tanque compacto, tampo para sanita project confort com slowclose, ou equivalente, e todos os trabalhos e acessórios ao seu bom funcionamento.	1.00	un
6.2 Fornecimento e assentamento de espelho para a Instalação Sanitária, com 60x80 cm, a encastrar, incluindo todos os materiais e trabalhos necessários à correta execução.	1.00	un
6.3 Fornecimento e montagem de lavatórios de encastrar por cima Sanindusa, modelo Paris, ou equivalente incluindo misturadora monocomando tipo Sanindusa modelo Easy, ou equivalente, ligações, fixações, acessórios e todos os materiais, trabalhos e equipamentos acessórios e necessários à correta execução dos trabalhos.	1.00	un

7 CARPINTARIAS, CANTARIAS e CAIXILHARIAS

7.1 Reaproveitamento e recolocação de bancada em pedra natural a recolocar nas poleias, incluindo se necessário cortes ou aberturas, correções de esquadrias, polimento e se necessário substituição de novas poleias em aço inox. Inclui ainda os acessórios e todos os trabalhos necessários ao correto acabamento.	1.00	un
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8 REDE DE ÁGUAS

8.1	Instalação de rede de águas, em tubagem de inox com traçado conforme projeto, incluindo fornecimento de tubagens, válvulas de seccionamento, isolamento da rede de água quente e ligação à rede de distribuição do edifício e todos os trabalhos e acessórios à sua correta execução.		
8.1.1	Rede de distribuição em desvão da cobertura com suportes adequados ao diâmetro da tubagem. Incluindo abertura e fecho de roços e furos nas lajes para passagem dos tubos.		
8.1.1.1	Água fria - 22mm	1.00	m
8.1.1.2	Água Quente - 22mm (isolamento 20mm)	1.00	m
8.1.2	Rede de alimentação a instalar encastrada nas paredes, incluindo abertura e tapamento de roços.		
8.1.2.1	Água fria - 18mm	3.50	m
8.1.2.2	Água fria - 22mm	1.50	m
8.1.2.3	Água quente - 22mm (isolamento 10mm)	1.50	m
8.1.3	Válvulas de seccionamento de regulação oculta para encastrar na parede, incluindo manipulo cromado em diâmetro adequado à tubagem onde se insere.	2.00	un
8.1.4	Montagem de equipamentos sanitários, incluindo torneiras monocomando, autoclismos e fornecimento e montagem de torneiras individuais de esquadria.	1.00	un

9 REDE DE ESGOTOS

9.1	Fornecimento e assentamento de tubagem da rede de esgotos, incluindo interligação com rede existente, ligação de esgotos se necessário para termoacumulador e verificação/reparação de ligações existente de sanitas, lavatório, urinois, chuveiros, conforme projeto, e todos os trabalhos e acessórios necessários à sua correta execução. Inclui ensaio de carga ou filmagem interna se necessário para verificação das condições e/ou estanqueidade de toda a tubagem existente.	1.00	un
9.2	Montagem de aparelhos sanitários, limpeza e ensaio da rede.	1.00	un

10 VENTILAÇÃO, EXAUSTÃO DE FUMOS E AR CONDICIONADO

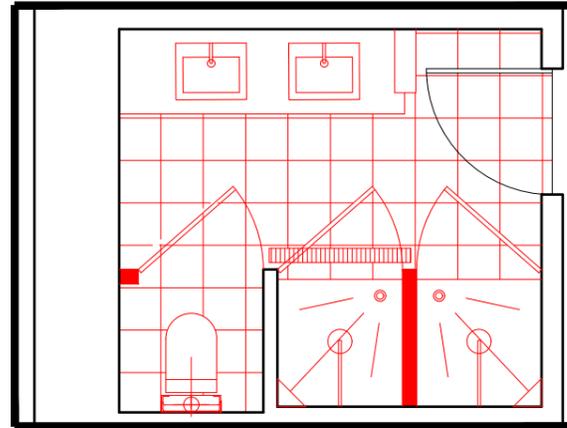
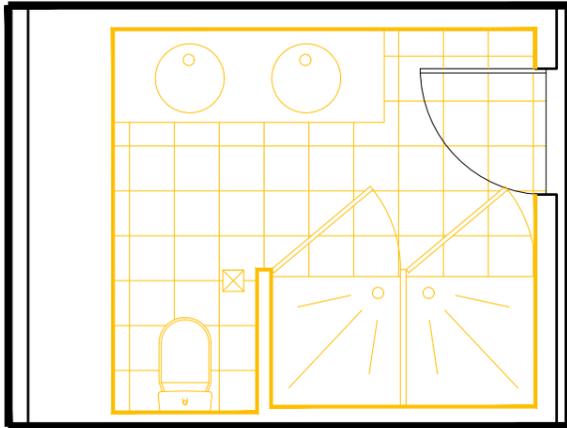
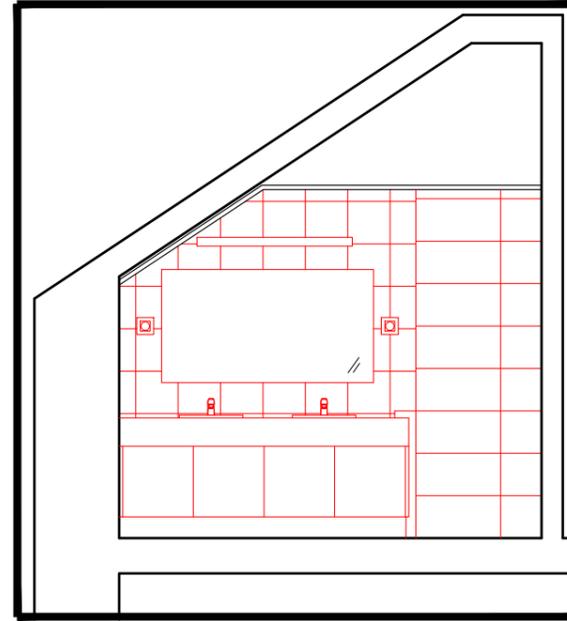
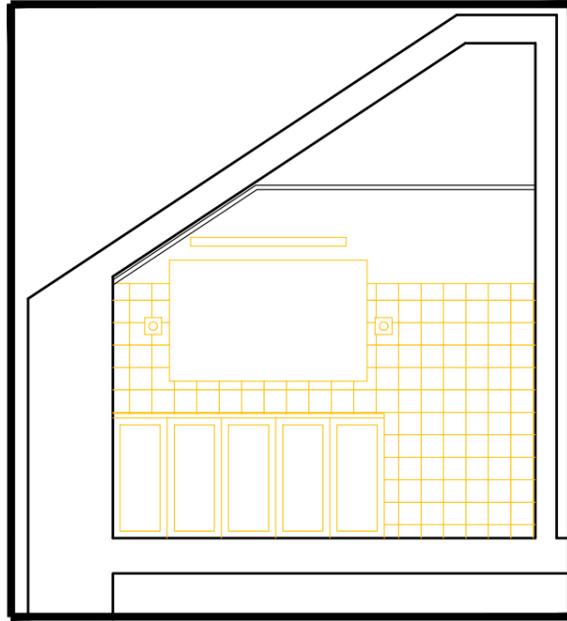
10.1	Fornecimento e montagem de difusor de teto/parede encastrável de Ø80 a ligar a condutas existentes.	1.00	un
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11 DIVERSOS

11.1	Fornecimento e montagem de painel de Led Ø22.5cm, 18 W, natural white 4000K, estrutura em alumínio, incluindo todos materiais e trabalhos necessários ao correto funcionamento.	1.00	un
11.2	Fornecimento e instalação de interruptor simples, da Efel, modelo LOGUS 90 BASE, cor a definir, ou equivalente ao existente, incluindo todos os acessórios e trabalhos necessários.	2.00	un
11.3	Fornecimento e montagem de armadura de parede com lampada LED 60cm, natural white 4000k, do tipo Ikea Godmorgon 60 ou equivalente. Inclui adaptação na parede com recolocação dos apliques para parte elétrica.	1.00	un
11.4	Tratamento de porta existente em madeira, aduela e guarnições, incluindo lixagem e envernizamento com acabamento equivalente ao existente e todos os acessórios e materias necessárias à correta execução dos trabalhos.	2.00	un
11.5	Verificação de detetores de fumos, incluindo testes de funcionamento e todos os materiais, equipamentos e trabalhos necessários.	1.00	un
11.6	Fornecimento e montagem de luminária de emergência de parede sobre as portas de saída, permanente e com pictograma, para instalações sanitárias, incluindo todos os acessórios e trabalhos necessários à correta execução.	1.00	un
11.7	Dispensador de rolo do tipo JNF série jumbo IN.60.489 ou equivalente	1.00	un
11.8	Trabalho de instalação elétrica na WC6 (Under the Stair) para separação da iluminação interior dos compartimentos, com a colocação de um interruptor no interior do compartimento da sanita, incluindo caixas, tubagens, enfiamentos e todos os trabalhos e ligações necessários.	1.00	un
11.9	Limpeza geral da obra pronta a entregar ao cliente	1.00	un

TOTAL DO ORÇAMENTO

Ao valor apresentado acresce o IVA à taxa legal em vigor.



- pt | SIMBOLOGIA
- A construir
 - A demolir
- en | SYMBOLOGY
- To build
 - To demolish

pt | SIMBOLOGIA

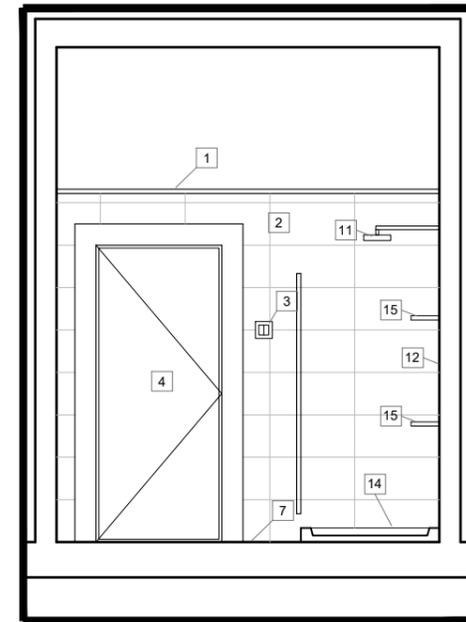
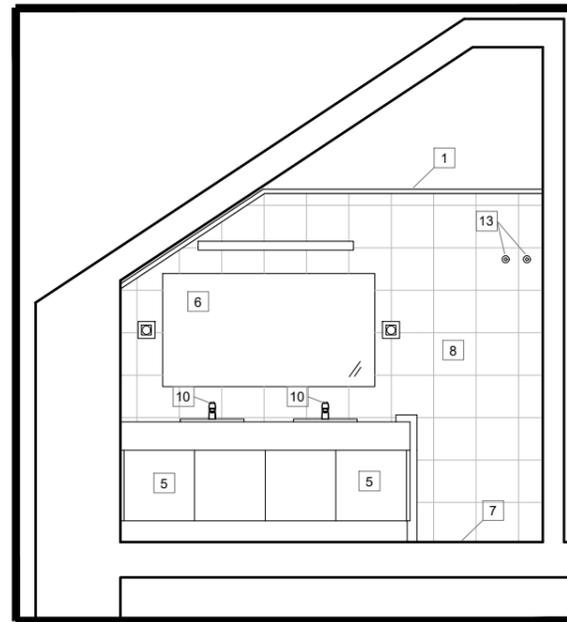
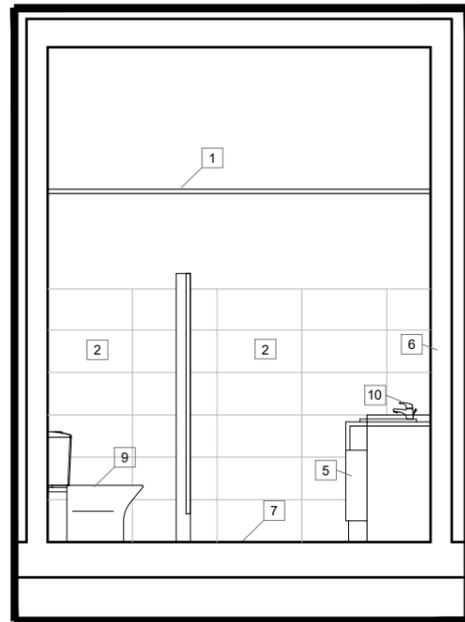
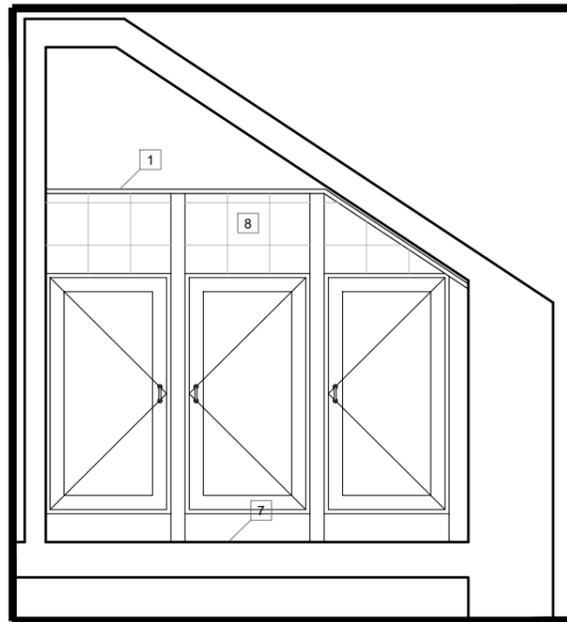
01 Instalação Sanitária 8.02m²

en | SYMBOLOGY

01 Bathroom 8.02m²

Todas as dimensões deverão ser confirmadas em obra. | All the dimensions have to be confirmed on site.

 <p>Requerente: EMBASSY OF THE UNITED STATES OF AMERICA</p>		REMODELING OF THE MSGR BATHROOMS WC1 - Over the Bar		Fase: Execução
Especialidade: Projeto Alterações Project Changes	Contém: pt DEMOLIÇÕES en DEMOLITIONS	Projecto: Des. n.: 01		
Técnico: Eng.º José Rei - O.E. 44956	Escalas: 1:50 1:100	Data: June 2020		
<small>RESERVADOS TODOS OS DIREITOS DE AUTOR</small>		<small>PROIBIDA A REPRODUÇÃO TOTAL OU PARCIAL SEM PRÉVIA AUTORIZAÇÃO</small>		



pt | SIMBOLOGIA

01 Instalação Sanitária 8.02m²

en | SYMBOLOGY

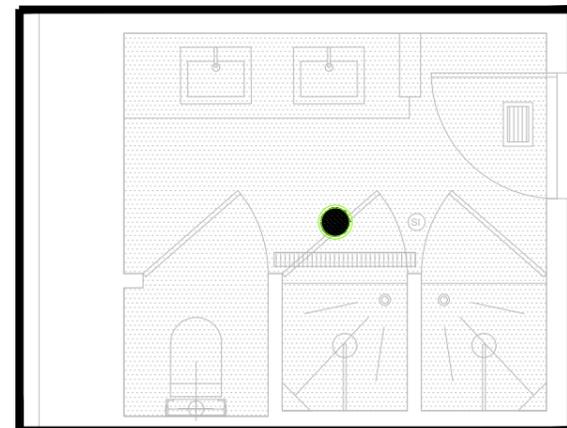
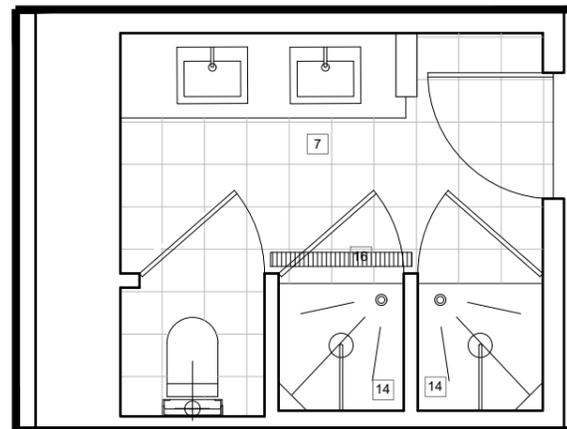
01 Bathroom 8.02m²

pt | SIMBOLOGIA

- 1 TETO FALSO EM GESSO CARTONADO / ESTAFE A MANTER, REPARAR E PINTAR À CÔR BRANCA
- 2 REVESTIMENTO CERÂMICO TIPO "REVIGRÉS CROMÁTICA SUPERBRANCO RECT. 60X30"
- 3 INTERRUPTOR TIPO "EFAPEL LOGUS 90 BASE" OU EQUIVALENTE AO EXISTENTE
- 4 PORTA EM MADEIRA RECUPERADA, ENVERNIZAR C/ ACABAMENTO IGUAL AO EXISTENTE
- 5 MÓVEL COM LAVATÓRIO DUPLO 200, ACABAMENTO MELAMINA COR BRANCO E BANCADA SILESTONE COR BRANCA
- 6 ESPELHO A EMBUTIR DE DIMENSÕES 150X80
- 7 PAVIMENTO TIPO "REVIGRÉS PIGMENTO CHUMBO NAT 30X30/ANTISLIP"
- 8 REVESTIMENTO CERÂMICO TIPO "REVIGRÉS CROMÁTICA OPALA RECT 30X30"
- 9 SANITA SIMPLES TIPO "SANINDUSA PROGET CONFORT DC"
- 10 TORNEIRA MISTURADORA TIPO "SANINDUSA EASY"
- 11 KIT HASTE DE PAREDE E PINHA "SANINDUSA DUO 200"
- 12 MISTURADORA DE ENCASTRAR 3 VIAS "SANINDUSA MASTER 40 ESPELHO REDONDO"
- 13 VÁLVULAS DE SEGURANÇA DA REDE DE ÁGUA FRIA E QUENTE
- 14 BASE DE DUCHE "SANINDUSA QUADRA 90X90"
- 15 PRATELEIRAS DE DUCHE
- 16 CANAL DE DRENAGEM COM GRELHA EM INOX, CLASSE A15, 115x136x1000mm

en | SYMBOLOGY

- 1 FALSE CEILING IN CARDBOARD / STABLE TO MAINTAIN, REPAIR AND PAINT IN WHITE COLOR
- 2 CERAMIC COATING TYPE "REVIGRÉS CHROMÁTICA SUPERBRANCO RECT. 60X30"
- 3 "EFAPEL LOGUS 90 BASE" TYPE SWITCH OR EQUIVALENT TO THE EXISTING
- 4 DOOR IN WOOD RECOVERED, VARNISH WITH FINISHING EQUAL TO THE EXISTING
- 5 DOUBLE WASHBASIN UNIT 200, MELAMINE FINISH WHITE, SILESTONE COUNTERTOP, WHITE
- 6 BUILT-IN MIRROR OF DIMENSIONS 150X80
- 7 FLOOR TYPE "REVIGRÉS PIGMENTO LEAD NAT 30X30 / ANTISLIP"
- 8 CERAMIC COATING TYPE "REVIGRÉS CHROMÁTICA OPALA RECT 30X30"
- 9 SIMPLE TOILET TYPE "SANINDUSA PROGET CONFORT DC"
- 10 MIXING TAP "SANINDUSA EASY"
- 11 WALL ROD AND PINK KIT "SANINDUSA DUO 200"
- 12 "SANINDUSA ECO - MANIPULO CLINICO" TYPE FLUXOMETER MANIFOLD
- 13 HOT AND COLD WATER NETWORK SAFETY VALVES
- 14 SHOWER BASE "SANINDUSA QUADRA 90X90"
- 15 SHOWER SHELVES
- 16 DRAINAGE CHANNEL WITH STAINLESS GRID, CLASS A15, 115x136x1000mm



pt | SIMBOLOGIA

- Renovação e Pintura de teto original com tinta plástica, côr branca
- Novo Teto Falso - gesso cartonado, a pintar tinta plástica, côr branca
- PaineL de Led 60x60 40W 4000k
- PaineL de Led Ø22.5cm 18W 4000k
- PaineL de Led Ø12cm 12W 4000k
- Difusores 4 vias de teto encastráveis
- Difusor de teto encastrável
- Detetor/sirene de sistema deteção de Incêndio existente e a manter

en | SYMBOLOGY

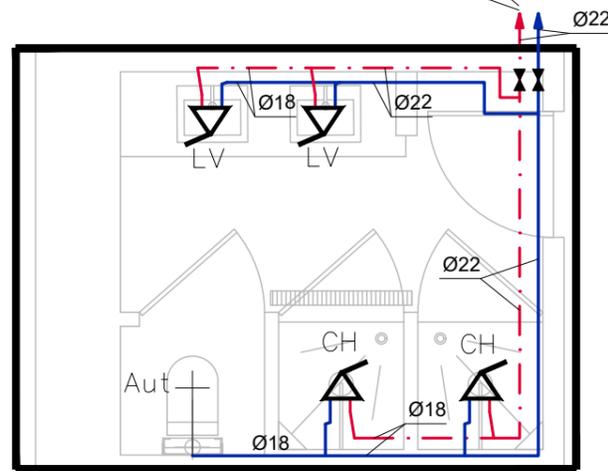
- Renovation and painting of the original ceiling with white plastic paint
- New False Ceiling - plasterboard with white plastic paint
- Led panel 60x60 40W 4000k
- Led panel Ø22.5cm 18W 4000k
- Led panel Ø12cm 12W 4000k
- Built-in 4-way ceiling diffusers 30x30
- Built-in Ceiling Diffuser
- Detector / siren of existing fire detection system and to be maintained

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<p>Requerente: EMBASSY OF THE UNITED STATES OF AMERICA</p>		REMODELING OF THE MSGR BATHROOMS WC1 - Over the Bar		Fase: Execução
Especialidade: Projeto Alterações Project Changes	Contém: pt PLANTA FINAL en FINAL PLANT		Projecto: Des. n.: 02	
Técnico: Eng.º José Rei - O.E. 44956	Escalas: 1:20 1:100	Data: June 2020		
RESERVADOS TODOS OS DIREITOS DE AUTOR		PROIBIDA A REPRODUÇÃO TOTAL OU PARCIAL SEM PRÉVIA AUTORIZAÇÃO		

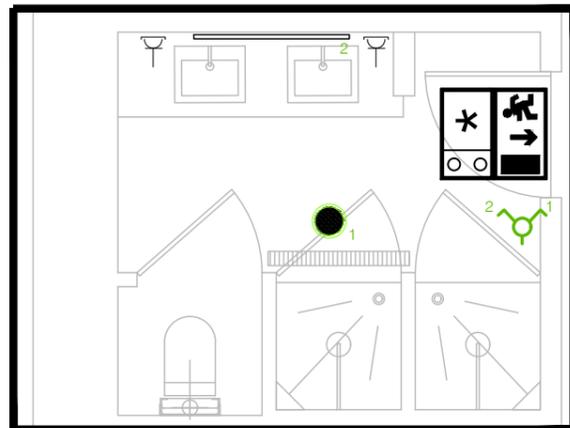
Ligação/intersecção à rede existente

Existing network link / intersection



pt REDE DE ÁGUAS
Esc. 1/50

en WATER PIPES
Esc. 1/50



pt INSTALAÇÃO ELÉCTRICA
Esc. 1/50

en ELECTRICAL INSTALATION
Esc. 1/50

pt SIMBOLOGIA

- Canalização de água fria
- - - Canalização de água quente
- ⊘ Torneira / Válvula de seccionamento
- ⊕ Misturadora
- Aut Bacia de Retrete
- ⊙ TE Termoacumulador elétrico
- ⊕ Máquina de lavar louça

Todas as Tubagens serão executadas em aço inox Aisi 316l.

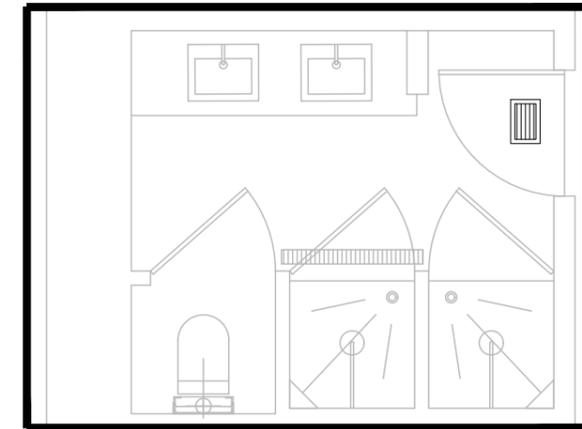
A rede de água quente será isolada termicamente com espuma elastomérica min 10mm

en SYMBOLOGY

- Cold water Piping
- - - Hot Water Piping
- ⊘ Faucet / Shut-off valve
- ⊕ Mixer
- Aut Toilet Basin
- ⊙ TE Electric Water Heater
- ⊕ Dishwasher

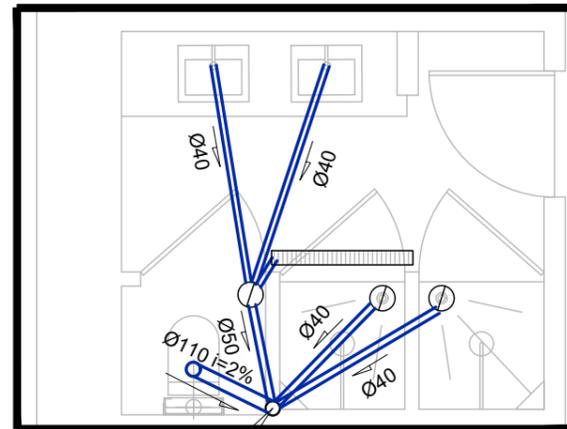
All Pipes will be run in 316l stainless steel

The hot water network will be thermally insulated with elastomeric foam min 10mm



pt VENTILAÇÃO E AR CONDICIONADO
Esc. 1/50

en VENTILATION AND AIR CONDITIONING
Esc. 1/50



Ligação/intersecção à rede existente
(confirmar a localização durante a execução da obra)
Existing network link / intersection
(confirm the location during the execution of the work)

pt REDE DE ESGOTOS
Esc. 1/50

en SEWER NETWORK
Esc. 1/50

pt SIMBOLOGIA

- Grelhas existentes a fazer manutenção
- Difusor de teto encastrável Ø80mm a ligar a condutas existentes
- ⊕ Difusores 4 vias de teto encastráveis 30x30 a ligar a condutas existentes

en SYMBOLOGY

- Existing grids to be maintained
- Recessed ceiling diffuser Ø80mm, connect to existing conduits
- ⊕ 4-way recessed ceiling diffuser 30x30, connect to existing conduits

pt SIMBOLOGIA

- ⊠ Painel de Led 60x60 40W 4000k
- Painel de Led Ø22.5cm 18W 4000k
- Painel de Led Ø12cm 12W 4000k
- Armadura c/lâmpada LED 60/100cm
- ⊕ Aplique de parede LED 6W
- ⊕ Interruptor simples (n=circuito)
- ⊕ Interruptor duplo (n=circuito)
- ⊕ tomada simples protegida
- ⊕ tomada simples
- ⊠ Luminária permanente e autónoma
- ⊠ Itinerário normal de evacuação
- Iluminação de armários - fita LED

en SYMBOLOGY

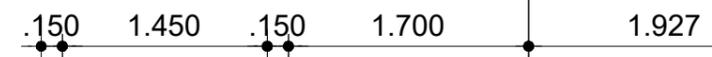
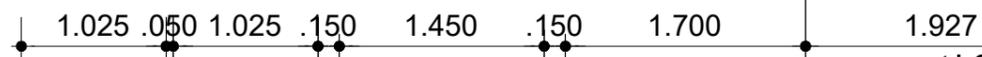
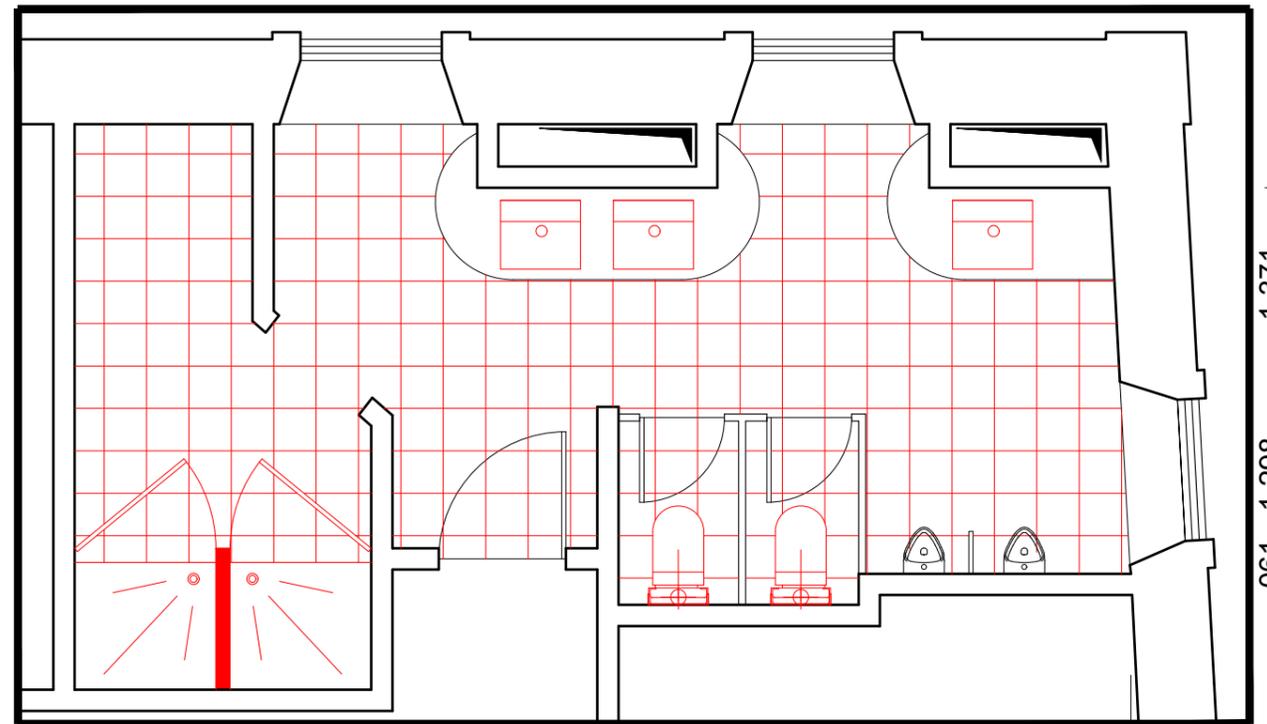
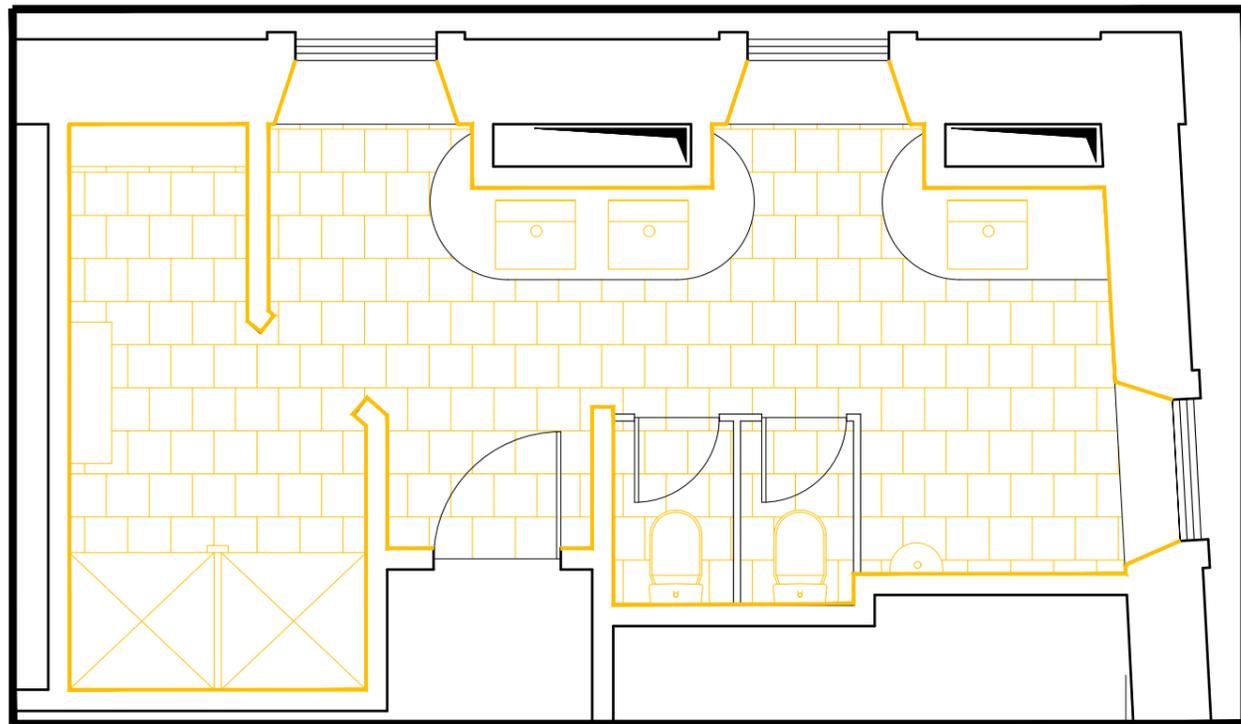
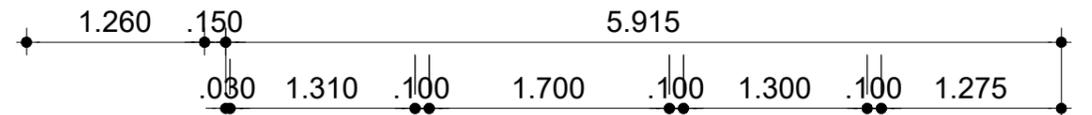
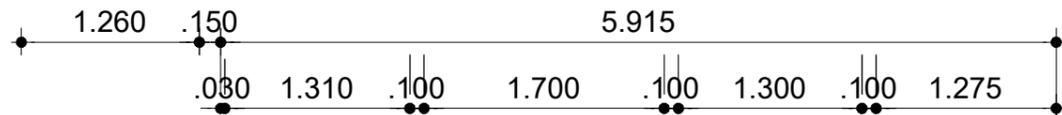
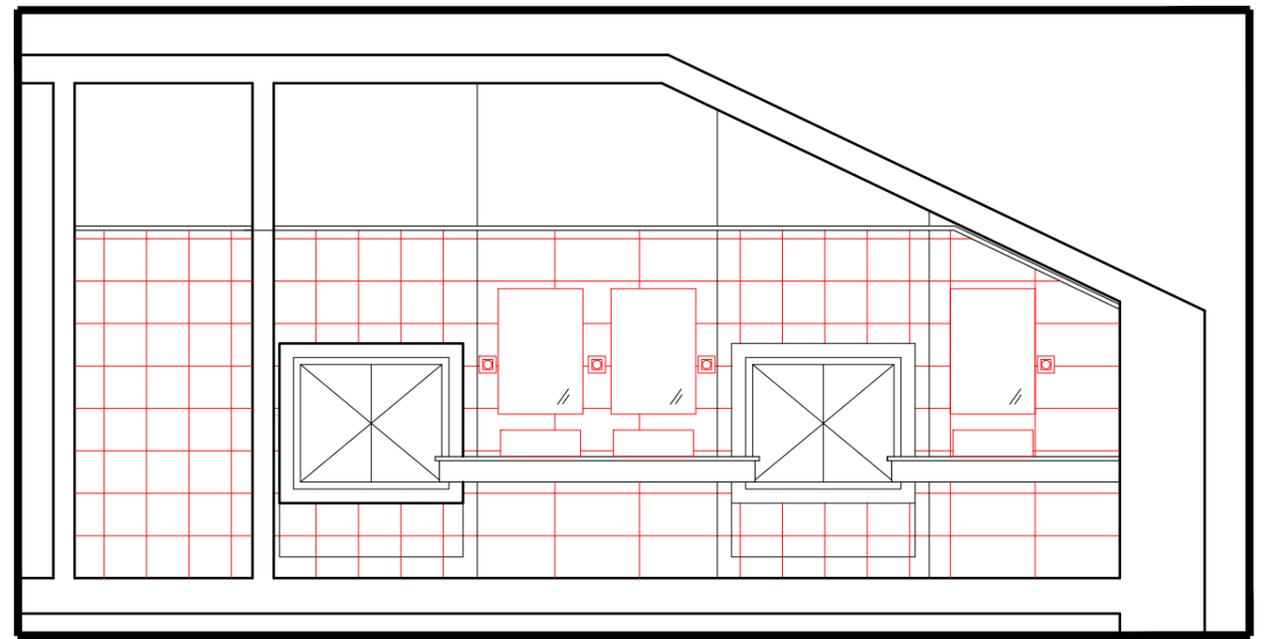
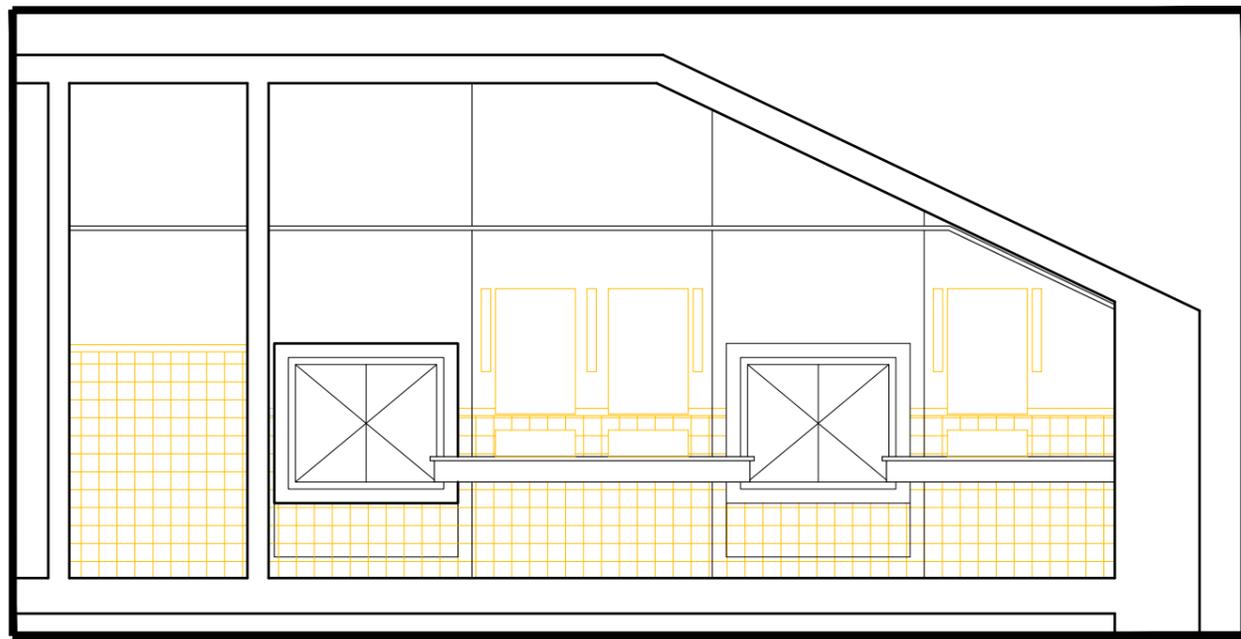
- ⊠ Led panel 60x60 40W 4000k
- Led panel Ø22.5cm 18W 4000k
- Led panel Ø12cm 12W 4000k
- Armor with LED lamp 60/100cm
- ⊕ Wall light LED 6W
- ⊕ Simple switch (no = circuit)
- ⊕ Double switch (no = circuit)
- ⊕ Protected single outlet
- ⊕ Single outlet
- ⊠ Permanent and stand-alone luminaire
- ⊠ Normal evacuation route
- Cabinet lighting - led strip

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Logo for EBRJ ENGENHARIA, Tm. 918 222 043 * 917 539 590 www.ebrj.pt * info@ebrj.pt

Requerente: EMBASSY OF THE UNITED STATES OF AMERICA

REMODELING OF THE MSGR BATHROOMS WC1 - Over the Bar		Fase: Execução
Especialidade: Projeto Alterações Project Changes	Contém: pt INSTALAÇÕES (REDES) en FACILITIES (NETWORKS)	Projecto: Des. n: 03
Técnico: Eng.º José Rei - O.E. 44956	Escalas: 1:20 1:100	Data: June 2020
RESERVADOS TODOS OS DIREITOS DE AUTOR		PROIBIDA A REPRODUÇÃO TOTAL OU PARCIAL SEM PRÉVIA AUTORIZAÇÃO



1.371
1.298
.061

1.371
1.298
.061

pt | SIMBOLOGIA
 01 Instalação Sanitária 23.01m²

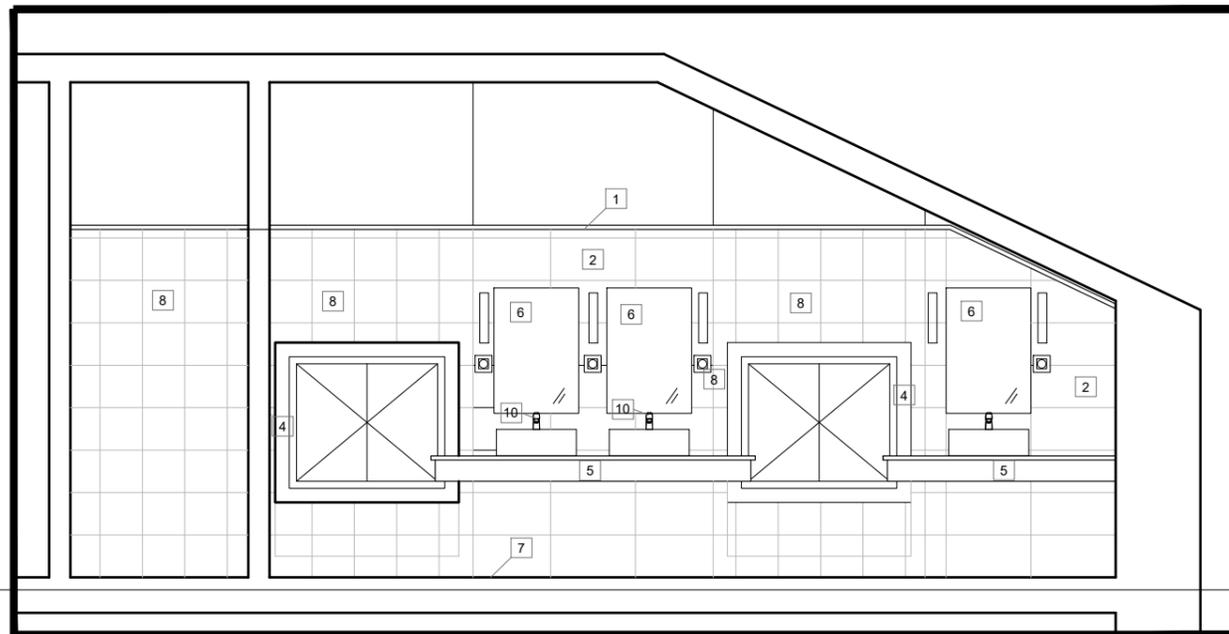
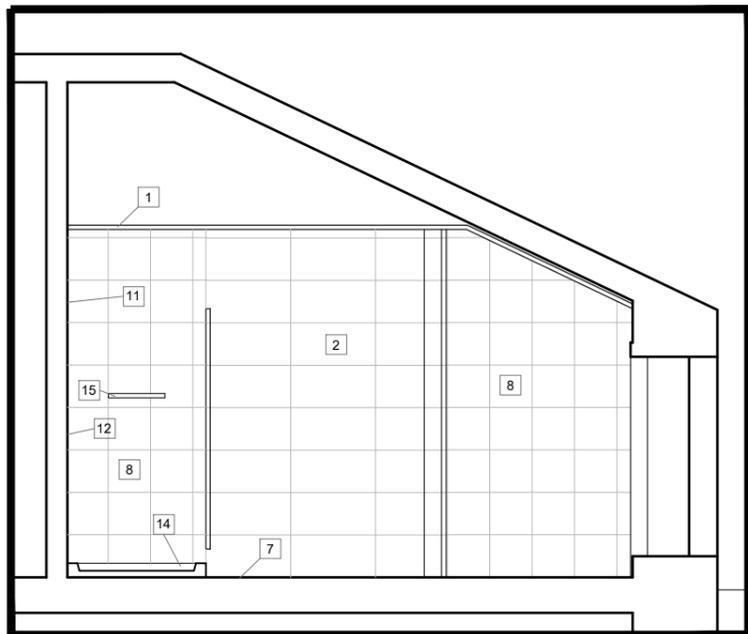
en | SYMBOLOGY
 01 Bathroom 23.01m²

pt | SIMBOLOGIA
 ■ A construir
 ■ A demolir

en | SYMBOLOGY
 ■ To build
 ■ To demolish

Todas as dimensões deverão ser confirmadas em obra. | All the dimensions have to be confirmed on site.

REMODELING OF THE MSGR BATHROOMS WC2 - Over the Kitchen			Fase: Execução
Especialidade: Projeto Alterações Project Changes	Contém: pt DEMOLIÇÕES en DEMOLITIONS	Projecto: Des. n: 01	
Técnico: Eng.º José Rei - O.E. 44956	Escalas: 1:50 1:100	Data: June 2020	
RESERVADOS TODOS OS DIREITOS DE AUTOR			PROIBIDA A REPRODUÇÃO TOTAL OU PARCIAL SEM PRÉVIA AUTORIZAÇÃO



pt | SIMBOLOGIA

01 Instalação Sanitária 23.01m²

en | SYMBOLOGY

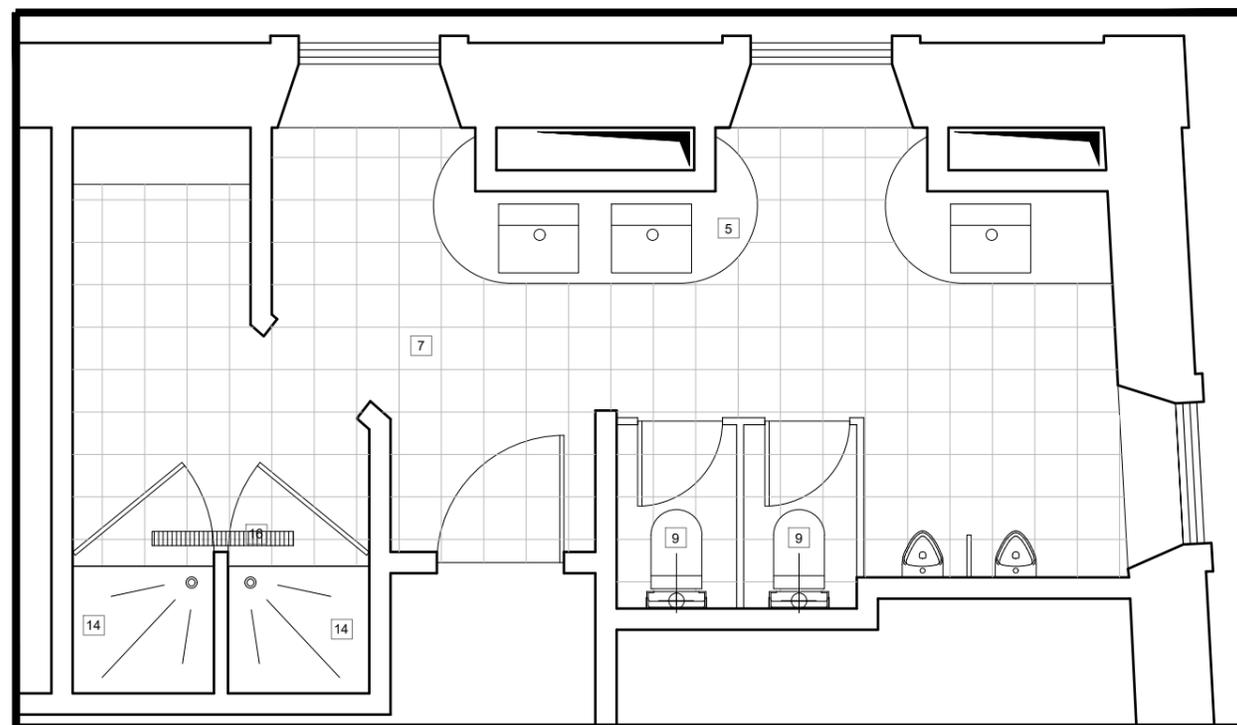
01 Bathroom 23.01m²

pt | SIMBOLOGIA

- 1 TETO FALSO EM GESSO CARTONADO / ESTAFE A MANTER, REPARAR E PINTAR À CÔR BRANCA
- 2 REVESTIMENTO CERÂMICO TIPO "REVIGRÉS CROMÁTICA SUPERBRANCO RECT. 60X30"
- 3 INTERRUPTOR TIPO "EFAPEL LOGUS 90 BASE" OU EQUIVALENTE AO EXISTENTE
- 4 PORTA/JANELA EM MADEIRA RECUPERADA, ENVERNIZAR C/ ACABAMENTO IGUAL AO EXISTENTE
- 5 BANCADA DE LAVATÓRIO EM PEDRA A REMOVER, POLIR E RECOLOCAR
- 6 ESPELHO A EMBUTIR DE DIMENSÕES 60X80
- 7 PAVIMENTO TIPO "REVIGRÉS PIGMENTO AREIA NAT 30X30/ANTISLIP"
- 8 REVESTIMENTO CERÂMICO TIPO "REVIGRÉS CROMÁTICA BEGE RECT 30X30"
- 9 SANITA SIMPLES TIPO "SANINDUSA NEW WCCARE DP"
- 10 TORNEIRA MISTURADORA TIPO "SANINDUSA EASY"
- 11 KIT HASTE DE PAREDE E PINHA "SANINDUSA DUO 200"
- 12 MISTURADORA DE ENCASTRAR 3 VIAS "SANINDUSA MASTER 40 ESPELHO REDONDO"
- 13 VÁLVULAS DE SEGURANÇA DA REDE DE ÁGUA FRIA E QUENTE
- 14 BASE DE DUCHE "SANINDUSA QUADRA 90X90"
- 15 PRATELEIRAS DE DUCHE
- 16 CANAL DE DRENAGEM COM GRELHA EM INOX, CLASSE A15, 115x136x1000mm
- 17 URINOL SANINDUSA, MODELO "RIA"

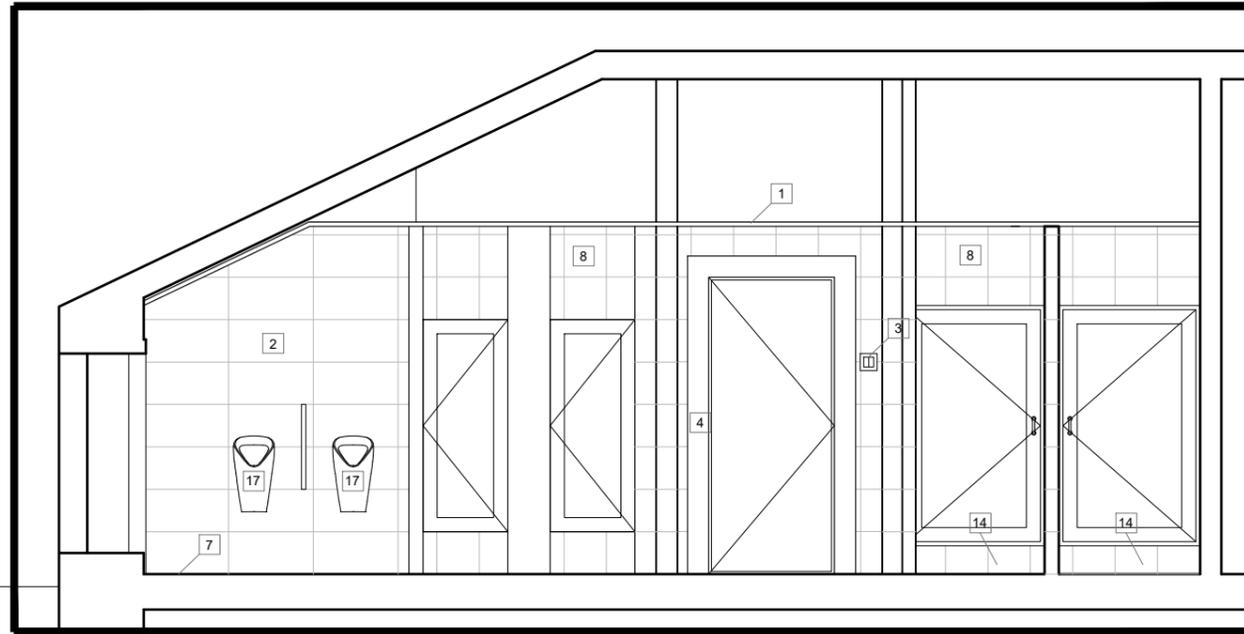
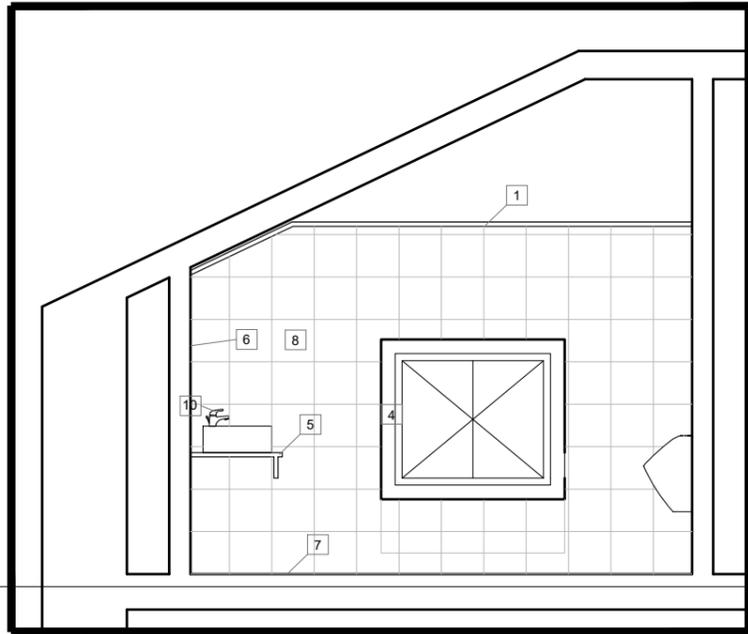
en | SYMBOLOGY

- 1 FALSE CEILING IN CARDBOARD / STABLE TO MAINTAIN, REPAIR AND PAINT IN WHITE COLOR
- 2 CERAMIC COATING TYPE "REVIGRÉS CHROMÁTICA SUPERBRANCO RECT. 60X30"
- 3 "EFAPEL LOGUS 90 BASE" TYPE SWITCH OR EQUIVALENT TO THE EXISTING
- 4 DOOR/WINDOW IN WOOD RECOVERED, VARNISH WITH FINISHING EQUAL TO THE EXISTING
- 5 DOUBLE WASHBASIN UNIT 200, MELAMINE FINISH WHITE "
- 6 BUILT-IN MIRROR OF DIMENSIONS 60X80
- 7 FLOOR TYPE "REVIGRÉS PIGMENTO AREIA NAT 30X30 / ANTISLIP"
- 8 CERAMIC COATING TYPE "REVIGRÉS CHROMÁTICA BEGE RECT 30X30"
- 9 SIMPLE TOILET TYPE "SANINDUSA NEW WCCARE DP"
- 10 MIXING TAP "SANINDUSA EASY"
- 11 WALL ROD AND PINK KIT "SANINDUSA DUO 200"
- 12 "SANINDUSA ECO - MANIPULO CLINICO" TYPE FLUXOMETER MANIFOLD
- 13 HOT AND COLD WATER NETWORK SAFETY VALVES
- 14 SHOWER BASE "SANINDUSA QUADRA 90X90"
- 15 SHOWER SHELVES
- 16 DRAINAGE CHANNEL WITH STAINLESS GRID, CLASS A15, 115x136x1000mm
- 17 SANINDUSA URINOL, MODEL "RIA"



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 <p>EBRJ ENGENHARIA ENGINEERING-INGENIERIA-TECNIA Tm. 918 222 043 * 917 539 590 www.ebrj.pt * info@ebrj.pt</p>		<p>REMODELING OF THE MSGR BATHROOMS WC2 - Over the Kitchen</p>		<p>Fase: Execução</p>
<p>Requerente: EMBASSY OF THE UNITED STATES OF AMERICA</p>		<p>Especialidade: Projeto Alterações Project Changes</p>	<p>Contém: pt PLANTA FINAL en FINAL PLANT</p>	<p>Projecto: Des. n.: 02</p>
<p>Técnico: Eng.º José Rei - O.E. 44956</p>		<p>Escalas: 1:20 1:100</p>	<p>Data: June 2020</p>	
<p>RESERVADOS TODOS OS DIREITOS DE AUTOR</p>		<p>PROIBIDA A REPRODUÇÃO TOTAL OU PARCIAL SEM PRÉVIA AUTORIZAÇÃO</p>		



pt	SIMBOLOGIA	
	01	Instalação Sanitária 23.01m ²
en	SYMBOLGY	
	01	Bathroom 23.01m ²

pt | SIMBOLOGIA

- 1 TETO FALSO EM GESSO CARTONADO / ESTAFE A MANTER, REPARAR E PINTAR À CÔR BRANCA
- 2 REVESTIMENTO CERÂMICO TIPO "REVIGRÉS CROMÁTICA SUPERBRANCO RECT. 60X30"
- 3 INTERRUPTOR TIPO "EFAPEL LOGUS 90 BASE" OU EQUIVALENTE AO EXISTENTE
- 4 PORTA/JANELA EM MADEIRA RECUPERADA, ENVERNIZAR C/ ACABAMENTO IGUAL AO EXISTENTE
- 5 BANCADA DE LAVATÓRIO EM PEDRA A REMOVER, POLIR E RECOLOCAR
- 6 ESPELHO A EMBUTIR DE DIMENSÕES 60X80
- 7 PAVIMENTO TIPO "REVIGRÉS PIGMENTO AREIA NAT 30X30/ANTISLIP"
- 8 REVESTIMENTO CERÂMICO TIPO "REVIGRÉS CROMÁTICA BEGE RECT 30X30"
- 9 SANITA SIMPLES TIPO "SANINDUSA NEW WCCARE DP"
- 10 TORNEIRA MISTURADORA TIPO "SANINDUSA EASY"
- 11 KIT HASTE DE PAREDE E PINHA "SANINDUSA DUO 200"
- 12 MISTURADORA DE ENCASTRAR 3 VIAS "SANINDUSA MASTER 40 ESPELHO REDONDO"
- 13 VÁLVULAS DE SEGURANÇA DA REDE DE ÁGUA FRIA E QUENTE
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- 15 PRATELEIRAS DE DUCHE
- 16 CANAL DE DRENAGEM COM GRELHA EM INOX, CLASSE A15, 115x136x1000mm
- 17 URINOL SANINDUSA, MODELO "RIA"

en | SYMBOLOGY

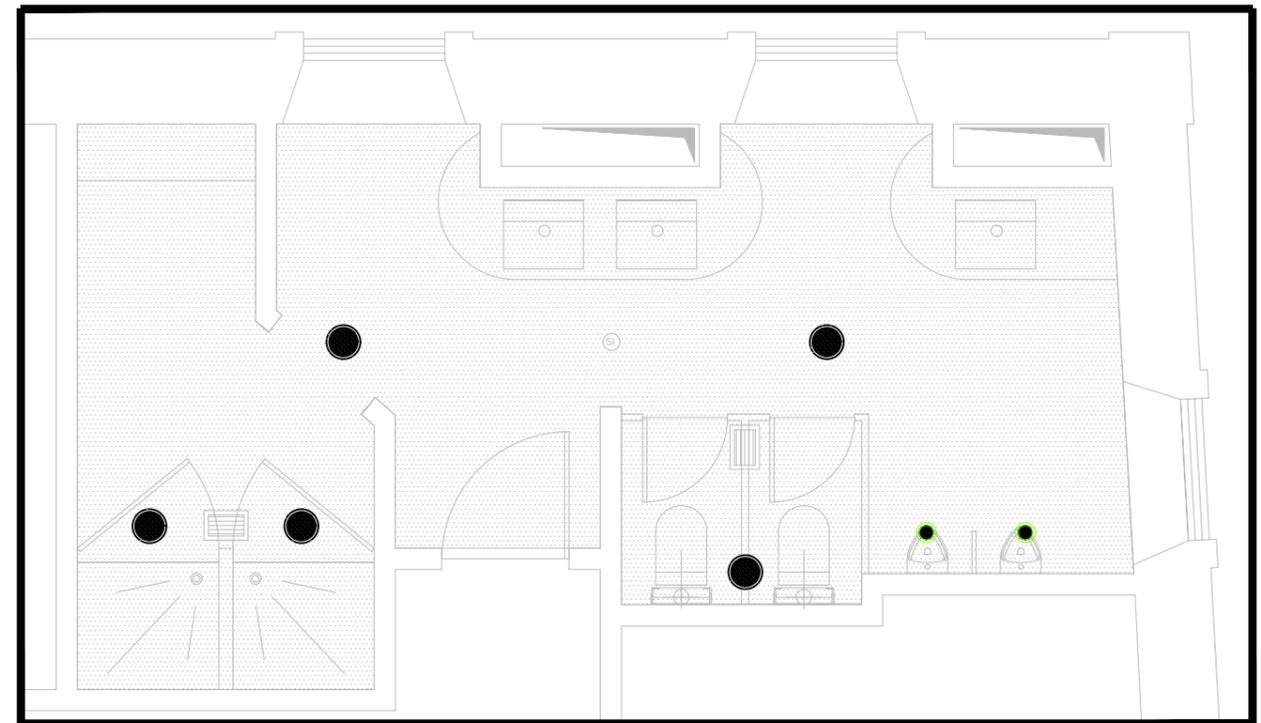
- 1 FALSE CEILING IN CARDBOARD / STABLE TO MAINTAIN, REPAIR AND PAINT IN WHITE COLOR
- 2 CERAMIC COATING TYPE "REVIGRÉS CHROMÁTICA SUPERBRANCO RECT. 60X30"
- 3 "EFAPEL LOGUS 90 BASE" TYPE SWITCH OR EQUIVALENT TO THE EXISTING
- 4 DOOR/WINDOW IN WOOD RECOVERED, VARNISH WITH FINISHING EQUAL TO THE EXISTING
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- 7 FLOOR TYPE "REVIGRÉS PIGMENTO AREIA NAT 30X30 / ANTISLIP"
- 8 CERAMIC COATING TYPE "REVIGRÉS CHROMÁTICA BEGE RECT 30X30"
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- 17 SANINDUSA URINOL, MODEL "RIA"

pt | SIMBOLOGIA

- Renovação e Pintura de teto original com tinta plástica, côr branca
- Novo Teto Falso - gesso cartonado, a pintar tinta plástica, côr branca
- Painel de Led 60x60 40W 4000k
- Painel de Led Ø22.5cm 18W 4000k
- Painel de Led Ø12cm 12W 4000k
- Difusores 4 vias de teto encastráveis
- Difusor de teto encastrável
- Detetor/sirene de sistema deteção de Incêndio existente e a manter

en | SYMBOLOGY

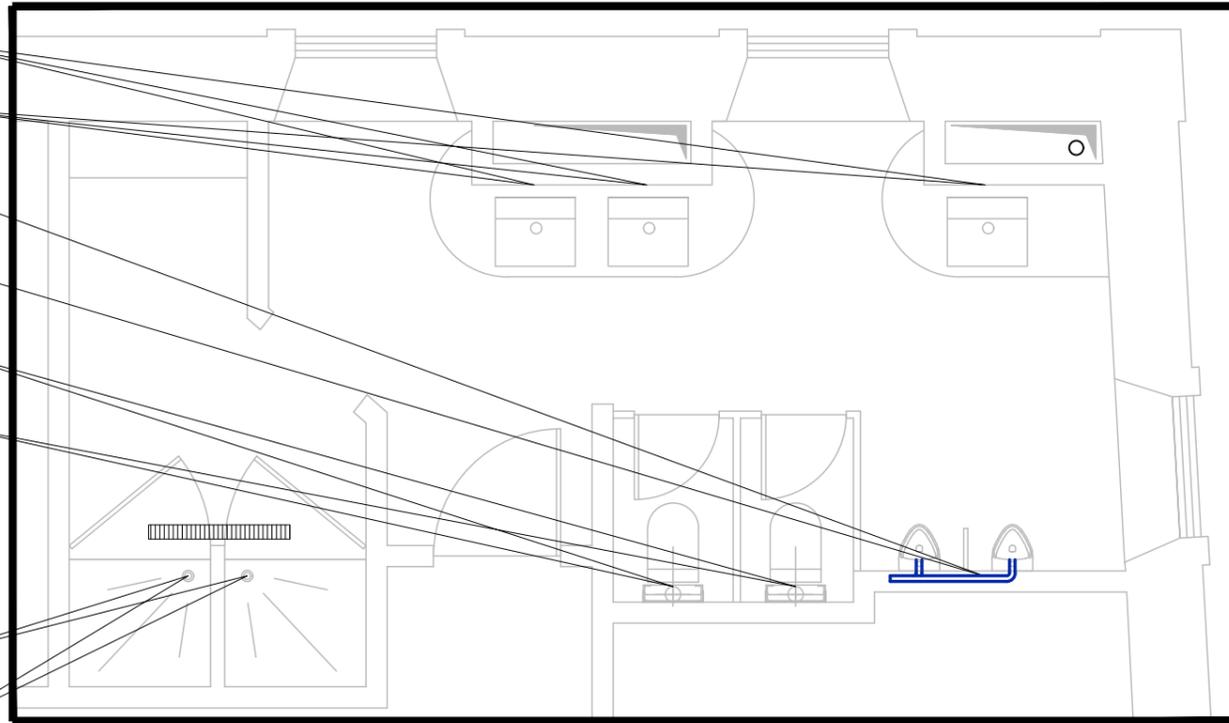
- Renovation and painting of the original ceiling with white plastic paint
- New False Ceiling - plasterboard with white plastic paint
- Led panel 60x60 40W 4000k
- Led panel Ø22.5cm 18W 4000k
- Led panel Ø12cm 12W 4000k
- Built-in 4-way ceiling diffusers 30x30
- Built-in Ceiling Diffuser
- Detector / siren of existing fire detection system and to be maintained



Todas as dimensões deverão ser confirmadas em obra. | All the dimensions have to be confirmed on site.

<p>EBRJ ENGENHARIA ENGINEERING-INSPIRING-TECHNIQUE Tm. 918 222 043 * 917 539 590 www.ebrj.pt * info@ebrj.pt</p>	REMODELING OF THE MSGR BATHROOMS WC2 - Over the Kitchen		Fase: Execução
	Especialidade: Projeto Alterações Project Changes	Contém: pt PLANTA FINAL en FINAL PLANT	Projecto: Des. n: 03
Técnico: Eng.º José Rei - O.E. 44956	Escalas: 1:20 1:100	Data: June 2020	
Reservados todos os direitos de autor		PROIBIDA A REPRODUÇÃO TOTAL OU PARCIAL SEM PRÉVIA AUTORIZAÇÃO	

- Drenagem Esgoto Lavatório
(a manter)
Lavatory Sewer Drainage
(to keep)
- Drenagem Esgoto Urinois
(a alterar)
Sewer drenagem urinois
(to change)
- Drenagem Esgoto Sanita
(a manter)
Drainage Sewage Toilet
(to keep)
- Drenagem Caleira de pavimento
(a adaptar)
Pavement gutter drainage
(to adapt)
- Drenagem Esgoto Chuveiro
(a manter)
Drain sewer shower
(to keep)



pt | REDE DE ESGOTOS
Esc. 1/50

en | SEWER NETWORK
Esc. 1/50

pt | SIMBOLOGIA

- Canalização de água fria
- - - Canalização de água quente
- ⊘ Torneira / Válvula de seccionamento
- ⊕ Misturadora
- ⊕_{Aut} Bacia de Retrete
- ⊕_{TE} Termoacumulador elétrico
- ⊕ Máquina de lavar louça

Todas as Tubagens serão executadas em aço inox Aisi 316l.

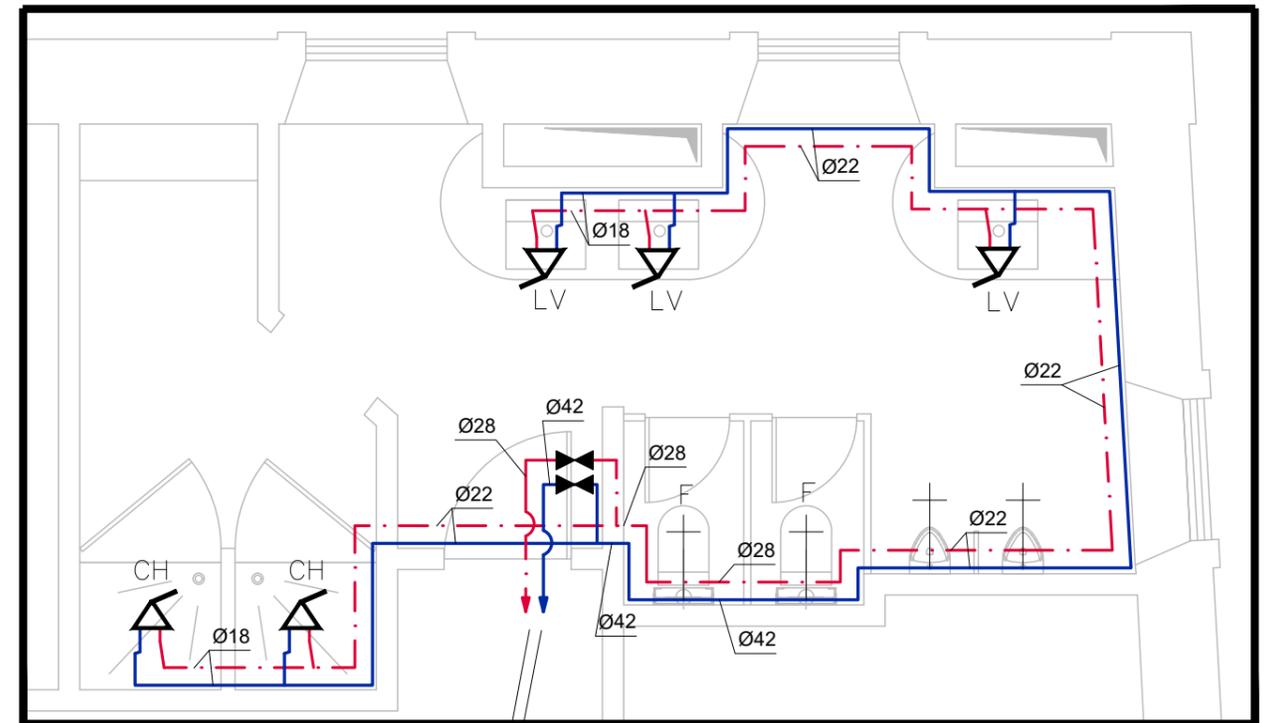
A rede de água quente será isolada termicamente com espuma elastomérica min 10mm

en | SYMBOLOGY

- Cold water Piping
- - - Hot Water Piping
- ⊘ Faucet / Shut-off valve
- ⊕ Mixer
- ⊕_{Aut} Toilet Basin
- ⊕_{TE} Electric Water Heater
- ⊕ Dishwasher

All Pipes will be run in 316l stainless steel

The hot water network will be thermally insulated with elastomeric foam min 10mm



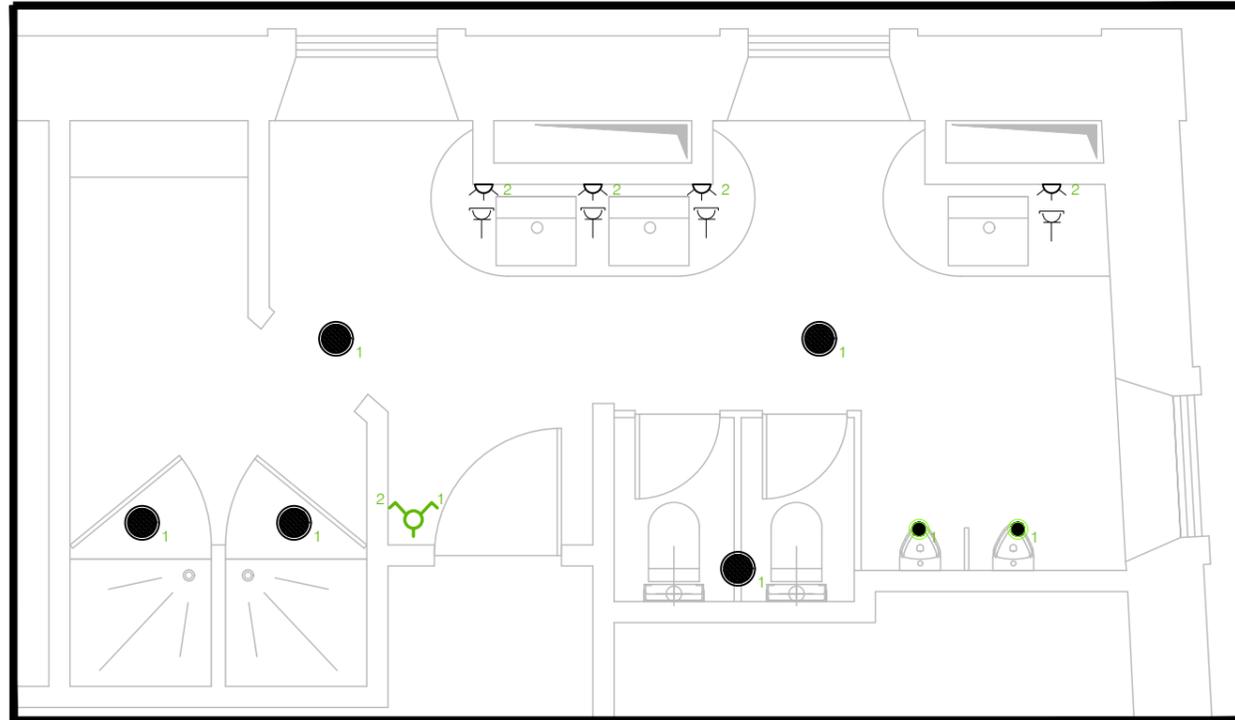
pt | REDE DE ÁGUAS
Esc. 1/50

en | WATER PIPES
Esc. 1/50

Ligação/interseção à rede existente
Existing network link / intersection

Todas as dimensões deverão ser confirmadas em obra. | All the dimensions have to be confirmed on site.

 <p>Requerente: EMBASSY OF THE UNITED STATES OF AMERICA</p>	REMODELING OF THE MSGR BATHROOMS WC2 - Over the Kitchen		Fase: Execução
	Especialidade: Projeto Alterações Project Changes	Contém: pt INSTALAÇÕES (REDES) en FACILITIES (NETWORKS)	Projecto: Des. n.: <div style="text-align: right; font-size: 2em; font-weight: bold;">04</div>
Técnico: Eng.º José Rei - O.E. 44956	Escalas: 1:20 1:100	Data: June 2020	
RESERVADOS TODOS OS DIREITOS DE AUTOR		PROIBIDA A REPRODUÇÃO TOTAL OU PARCIAL SEM PRÉVIA AUTORIZAÇÃO	



pt | INSTALAÇÃO ELÉCTRICA
Esc. 1/50

en | ELECTRICAL INSTALATION
Esc. 1/50

pt | SIMBOLOGIA

- ☒ Pannel de Led 60x60 40W 4000k
- Pannel de Led Ø22.5cm 18W 4000k
- Pannel de Led Ø12cm 12W 4000k
- Armadura c/lâmpada LED 60/100cm
- ☒ Aplique de parede LED 6W
- ☒ Interruptor simples (n=circuito)
- ☒ Interruptor duplo (n=circuito)
- ☒ tomada simples protegida
- ☒ tomada simples
- ☒ Luminária permanente e autónoma
- ☒ Itinerário normal de evacuação
- Iluminação de armários - fita LED

en | SYMBOLOGY

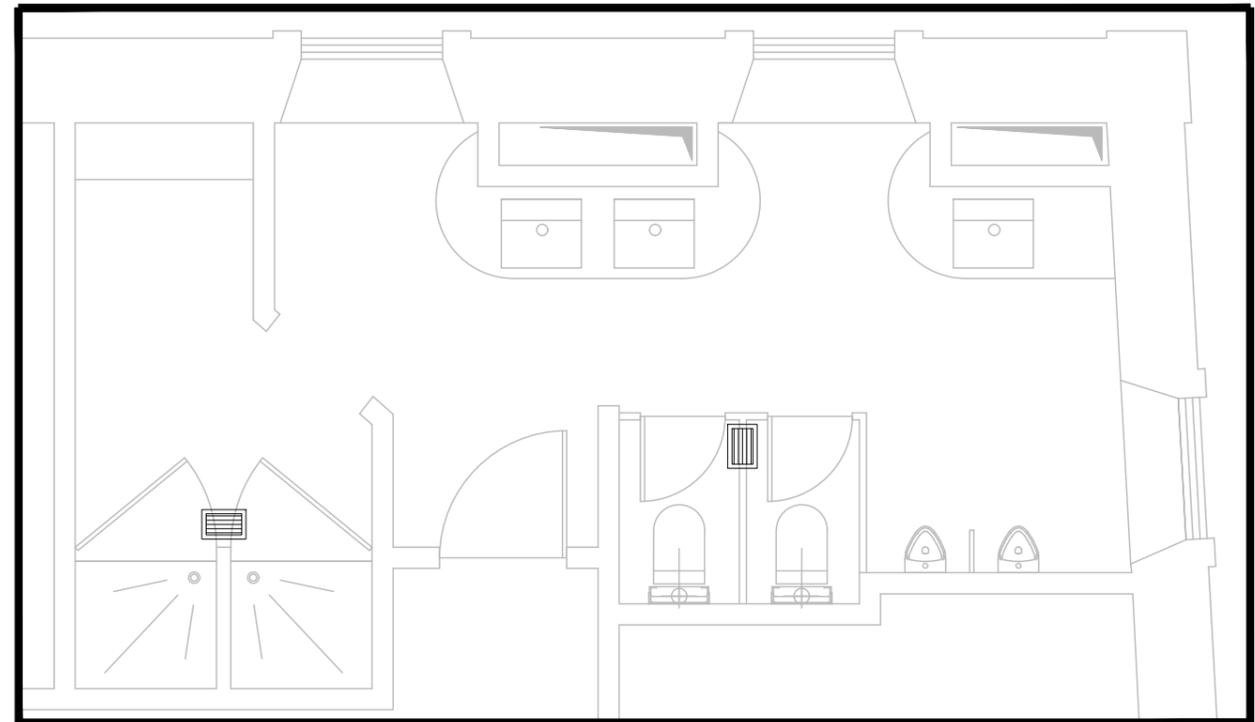
- ☒ Led panel 60x60 40W 4000k
- Led panel Ø22.5cm 18W 4000k
- Led panel Ø12cm 12W 4000k
- Armor with LED lamp 60/100cm
- ☒ Wall light LED 6W
- ☒ Simple switch (no = circuit)
- ☒ Double switch (no = circuit)
- ☒ Protected single outlet
- ☒ Single outlet
- ☒ Permanent and stand-alone luminaire
- ☒ Normal evacuation route
- Cabinet lighting - led strip

pt | SIMBOLOGIA

- ☒ Grelhas existentes a fazer manutenção
- Difusor de teto encastrável Ø80mm a ligar a condutas existentes
- ☒ Difusores 4 vias de teto encastráveis 30x30 a ligar a condutas existentes

en | SYMBOLOGY

- ☒ Existing grids to be maintained
- Recessed ceiling diffuser Ø80mm, connect to existing conduits
- ☒ 4-way recessed ceiling diffuser 30x30, connect to existing conduits

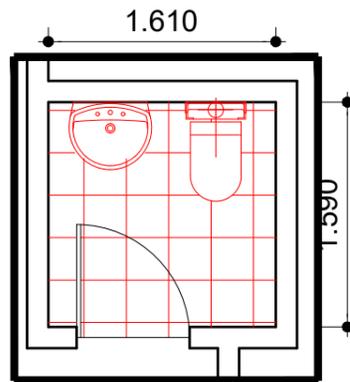
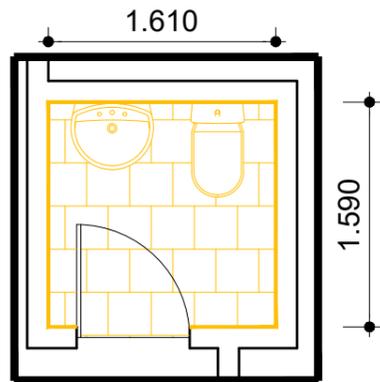
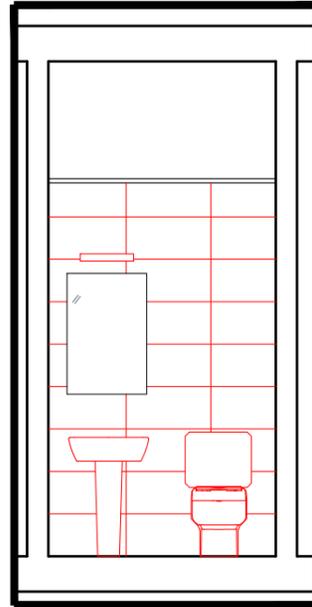
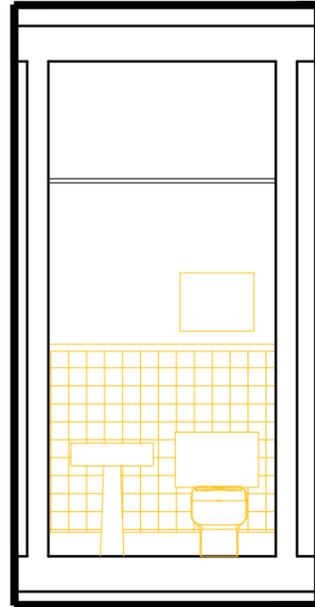


pt | VENTILAÇÃO E AR CONDICIONADO
Esc. 1/50

en | VENTILATION AND AIR CONDITIONING
Esc. 1/50

Todas as dimensões deverão ser confirmadas em obra. | All the dimensions have to be confirmed on site.

 <p>Requerente: EMBASSY OF THE UNITED STATES OF AMERICA</p>		REMODELING OF THE MSGR BATHROOMS WC2 - Over the Kitchen		Fase: Execução
		Especialidade: Projeto Alterações Project Changes	Contém: pt INSTALAÇÕES (REDES) en FACILITIES (NETWORKS)	Projecto: Des. n.: <div style="text-align: center; font-size: 2em; font-weight: bold;">05</div>
Técnico: Eng.º José Rei - O.E. 44956		Escalas: 1:20 1:100	Data: June 2020	
RESERVADOS TODOS OS DIREITOS DE AUTOR		PROIBIDA A REPRODUÇÃO TOTAL OU PARCIAL SEM PRÉVIA AUTORIZAÇÃO		



- pt | SIMBOLOGIA
- A construir
 - A demolir
- en | SYMBOLOGY
- To build
 - To demolish

pt | SIMBOLOGIA

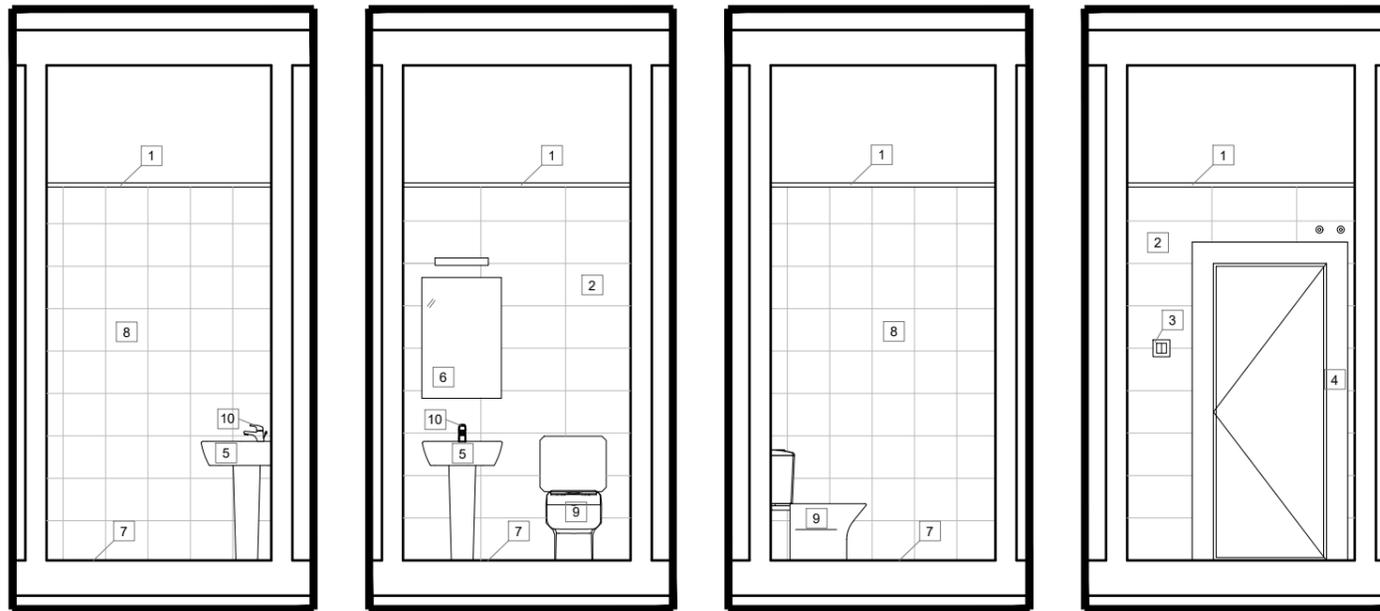
01 Instalação Sanitária 2.48m²

en | SYMBOLOGY

01 Bathroom 2.48m²

Todas as dimensões deverão ser confirmadas em obra. | All the dimensions have to be confirmed on site.

 <p>Requerente: EMBASSY OF THE UNITED STATES OF AMERICA</p>		REMODELING OF THE MSGR BATHROOMS WC3 - Near the Kitchen		Fase: Execução
		Especialidade: Projeto Alterações Project Changes	Contém: pt DEMOLIÇÕES en DEMOLITIONS	Projecto: Des. n.: 01
Técnico: Eng.º José Rei - O.E. 44956		Escalas: 1:50 1:100	Data: June 2020	
<small>RESERVADOS TODOS OS DIREITOS DE AUTOR</small>		<small>PROIBIDA A REPRODUÇÃO TOTAL OU PARCIAL SEM PRÉVIA AUTORIZAÇÃO</small>		



pt | SIMBOLOGIA

01 Instalação Sanitária 2.48m²

en | SYMBOLOGY

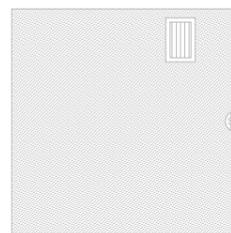
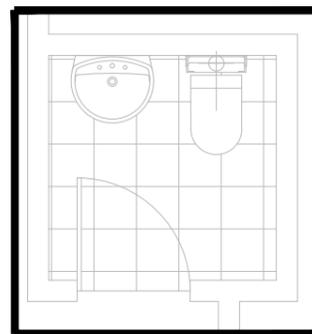
01 Bathroom 2.48m²

pt | SIMBOLOGIA

- 1 TETO FALSO EM GESSO CARTONADO / ESTAFE A MANTER, REPARAR E PINTAR À CÔR BRANCA
- 2 REVESTIMENTO CERÂMICO TIPO "REVIGRÉS CROMÁTICA SUPERBRANCO RECT. 60X30"
- 3 INTERRUPTOR TIPO "EFAPEL LOGUS 90 BASE" OU EQUIVALENTE AO EXISTENTE
- 4 PORTA EM MADEIRA RECUPERADA, ENVERNIZAR C/ ACABAMENTO IGUAL AO EXISTENTE
- 5 LAVATÓRIO DE COLUNA TIPO "SANINDUSA SANLIFE"
- 6 ESPELHO A EMBUTIR DE DIMENSÕES 60X80
- 7 PAVIMENTO TIPO "REVIGRÉS PIGMENTO CHUMBO NAT 30X30"
- 8 REVESTIMENTO CERÂMICO TIPO "REVIGRÉS CROMÁTICA OPALA RECT 30X30"
- 9 SANITA SIMPLES TIPO "SANINDUSA PROGET CONFORT DC"
- 10 TORNEIRA MISTURADORA TIPO "SANINDUSA EASY"

en | SYMBOLOGY

- 1 FALSE CEILING IN CARDBOARD / STABLE TO MAINTAIN, REPAIR AND PAINT IN WHITE COLOR
- 2 CERAMIC COATING TYPE "REVIGRÉS CHROMÁTICA SUPERBRANCO RECT. 60X30"
- 3 "EFAPEL LOGUS 90 BASE" TYPE SWITCH OR EQUIVALENT TO THE EXISTING
- 4 DOOR IN WOOD RECOVERED, VARNISH WITH FINISHING EQUAL TO THE EXISTING
- 5 COLUMN WASHBASIN "SANINDUSA SANLIFE"
- 6 BUILT-IN MIRROR OF DIMENSIONS 60X80
- 7 FLOOR TYPE "REVIGRÉS PIGMENTO LEAD NAT 30X30 / ANTISLIP"
- 8 CERAMIC COATING TYPE "REVIGRÉS CHROMÁTICA OPALA RECT 30X30"
- 9 SIMPLE TOILET TYPE "SANINDUSA PROGET CONFORT DC"
- 10 MIXING TAP "SANINDUSA EASY"



pt | SIMBOLOGIA

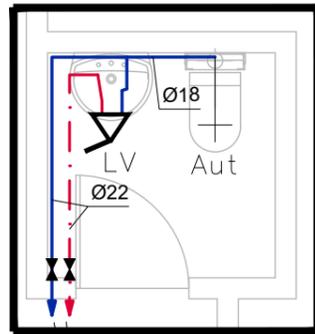
- Renovação e Pintura de teto original com tinta plástica, côr branca
- Novo Teto Falso - gesso cartonado, a pintar tinta plástica, côr branca
- PaineL de Led 60x60 40W 4000k
- PaineL de Led Ø22.5cm 18W 4000k
- PaineL de Led Ø12cm 12W 4000k
- Difusores 4 vias de teto encastráveis
- Difusor de teto encastrável
- Detetor/sirene de sistema deteção de Incêndio existente e a manter

en | SYMBOLOGY

- Renovation and painting of the original ceiling with white plastic paint
- New False Ceiling - plasterboard with white plastic paint
- Led panel 60x60 40W 4000k
- Led panel Ø22.5cm 18W 4000k
- Led panel Ø12cm 12W 4000k
- Built-in 4-way ceiling diffusers 30x30
- Built-in Ceiling Diffuser
- Detector / siren of existing fire detection system and to be maintained

Todas as dimensões deverão ser confirmadas em obra. | All the dimensions have to be confirmed on site.

 <p>Requerente: EMBASSY OF THE UNITED STATES OF AMERICA</p>		REMODELING OF THE MSGR BATHROOMS WC3 - Near the Kitchen		Fase: Execução
Especialidade: Projeto Alterações Project Changes		Contém: pt PLANTA FINAL en FINAL PLANT		02
Técnico: Eng.º José Rei - O.E. 44956		Escalas: 1:20 1:100	Data: June 2020	
RESERVADOS TODOS OS DIREITOS DE AUTOR		PROIBIDA A REPRODUÇÃO TOTAL OU PARCIAL SEM PRÉVIA AUTORIZAÇÃO		



pt | REDE DE ÁGUAS
Esc. 1/50

en | WATER PIPES
Esc. 1/50

Ligação/intersecção à rede existente

Existing network link / intersection

pt | SIMBOLOGIA

- Canalização de água fria
- - - Canalização de água quente
- ⊗ Torneira / Válvula de seccionamento
- ↔ Misturadora
- + Aut Bacia de Retrete
- ⊙ TE Termoacumulador elétrico
- + Máquina de lavar louça

Todas as Tubagens serão executadas em aço inox Aisi 316l.

A rede de água quente será isolada termicamente com espuma elastomérica min 10mm

en | SYMBOLOGY

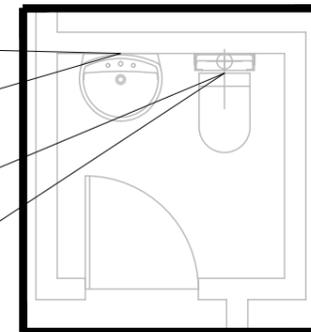
- Cold water Piping
- - - Hot Water Piping
- ⊗ Faucet / Shut-off valve
- ↔ Mixer
- + Aut Toilet Basin
- ⊙ TE Electric Water Heater
- + Dishwasher

All Pipes will be run in 316l stainless steel

The hot water network will be thermally insulated with elastomeric foam min 10mm

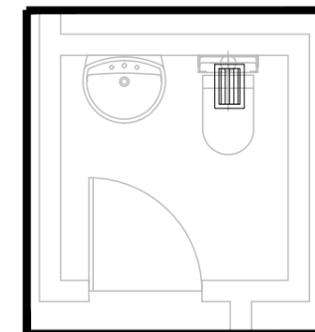
Drenagem Esgoto Lavatório
(a manter)
Lavatory Sewer Drainage
(to keep)

Drenagem Esgoto Sanita
(a manter)
Drainage Sewage Toilet
(to keep)



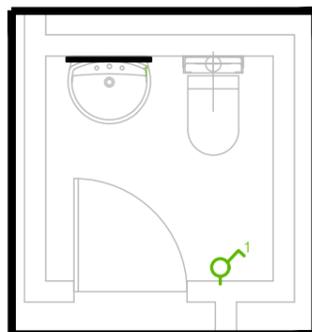
pt | REDE DE ESGOTOS
Esc. 1/50

en | SEWER NETWORK
Esc. 1/50



pt | VENTILAÇÃO E AR CONDICIONADO
Esc. 1/50

en | VENTILATION AND AIR CONDITIONING
Esc. 1/50



pt | INSTALAÇÃO ELÉCTRICA
Esc. 1/50

en | ELECTRICAL INSTALATION
Esc. 1/50

pt | SIMBOLOGIA

- Grelhas existentes a fazer manutenção
- Difusor de teto encastrável Ø80mm a ligar a condutas existentes
- ⊠ Difusores 4 vias de teto encastráveis 30x30 a ligar a condutas existentes

en | SYMBOLOGY

- Existing grids to be maintained
- Recessed ceiling diffuser Ø80mm, connect to existing conduits
- ⊠ 4-way recessed ceiling diffuser 30x30, connect to existing conduits

pt | SIMBOLOGIA

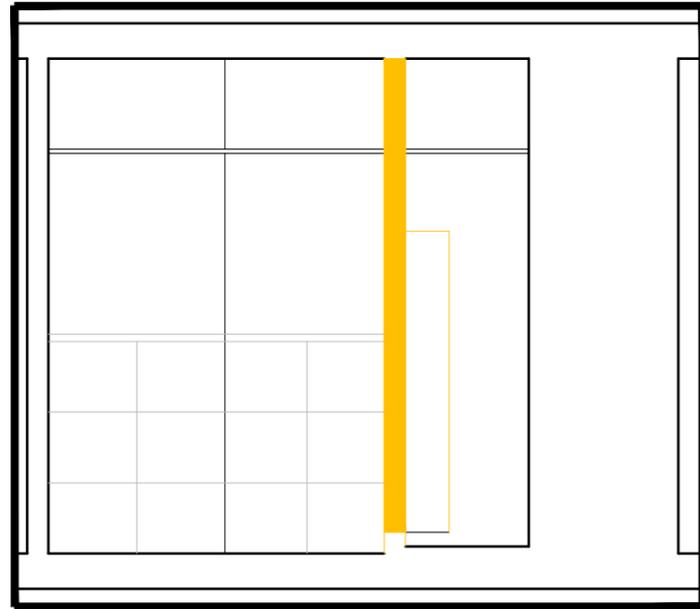
- ☒ Painel de Led 60x60 40W 4000k
- Painel de Led Ø22.5cm 18W 4000k
- Painel de Led Ø12cm 12W 4000k
- Armadura c/lâmpada LED 60/100cm
- ↔ Aplique de parede LED 6W
- ⊗ Interruptor simples (n=circuito)
- ⊗ Interruptor duplo (n=circuito)
- ⊥ tomada simples protegida
- ⊥ tomada simples
- ☑ Luminária permanente e autónoma
- ☑ Itinerário normal de evacuação
- Iluminação de armários - fita LED

en | SYMBOLOGY

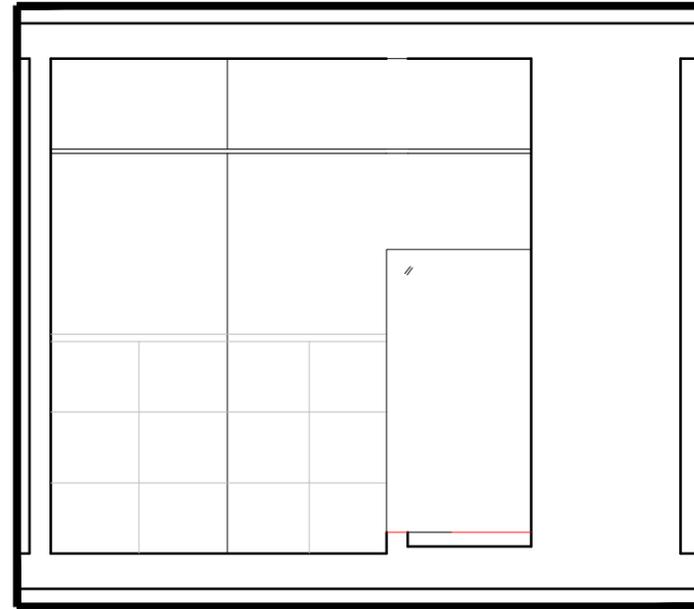
- ☒ Led panel 60x60 40W 4000k
- Led panel Ø22.5cm 18W 4000k
- Led panel Ø12cm 12W 4000k
- Armor with LED lamp 60/100cm
- ↔ Wall light LED 6W
- ⊗ Simple switch (no = circuit)
- ⊗ Double switch (no = circuit)
- ⊥ Protected single outlet
- ⊥ Single outlet
- ☑ Permanent and stand-alone luminaire
- ☑ Normal evacuation route
- Cabinet lighting - led strip

Todas as dimensões deverão ser confirmadas em obra. | All the dimensions have to be confirmed on site.

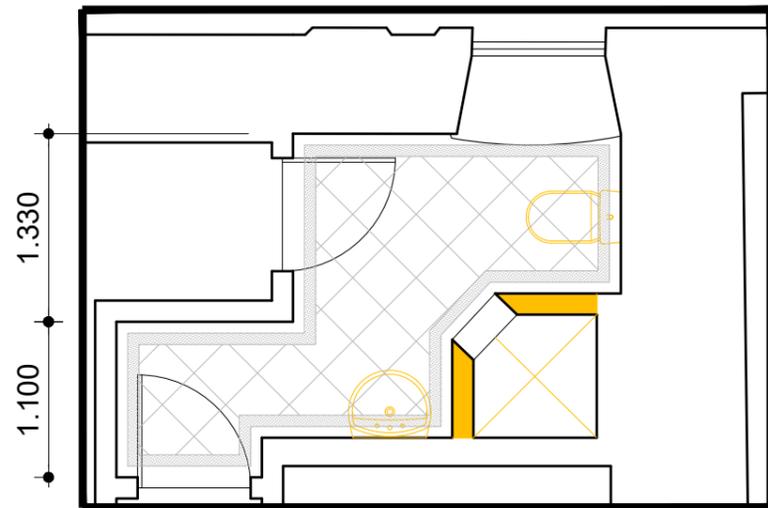
		REMODELING OF THE MSGR BATHROOMS		Fase:
		WC3 - Near the Kitchen		Execução
Especialidade: Projeto Alterações Project Changes	Contém: pt INSTALAÇÕES (REDES) en FACILITIES (NETWORKS)	Projecto: Des. n.:		<h1>03</h1>
Técnico: Eng.º José Rei - O.E. 44956	Escalas: 1:20 1:100	Data: June 2020		
Requerente: EMBASSY OF THE UNITED STATES OF AMERICA		PROIBIDA A REPRODUÇÃO TOTAL OU PARCIAL SEM PRÉVIA AUTORIZAÇÃO		



1.264 .945

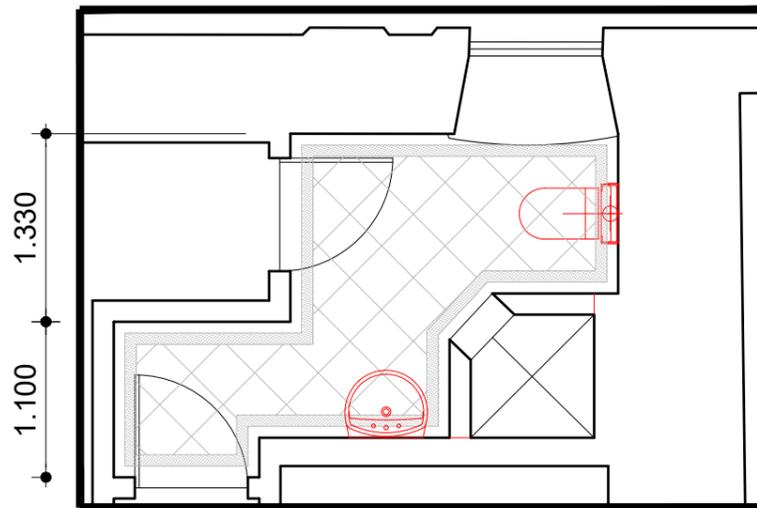


1.264 .945



1.330
1.100

1.030 1.227 .080 .993 1.063



1.330
1.100

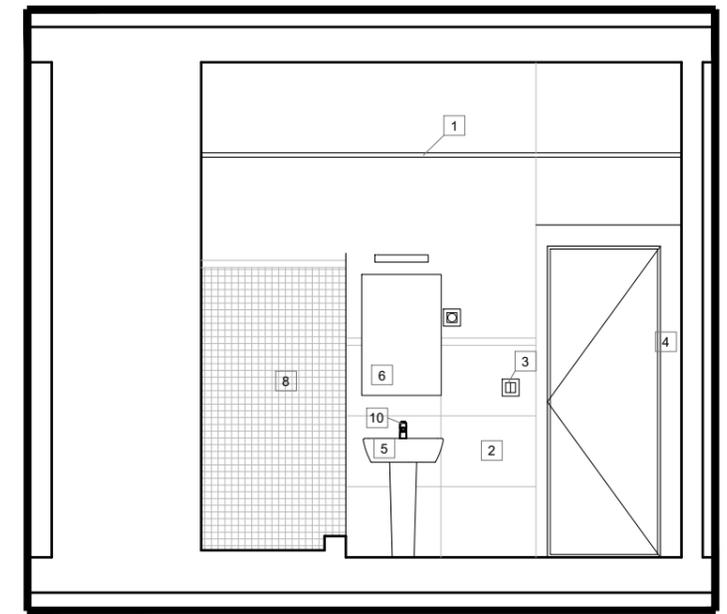
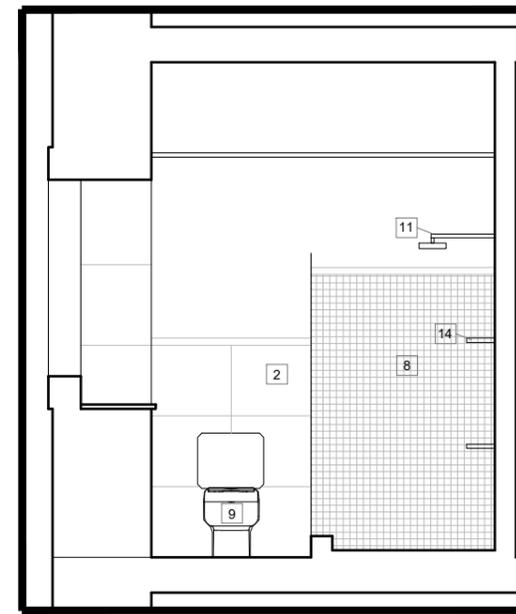
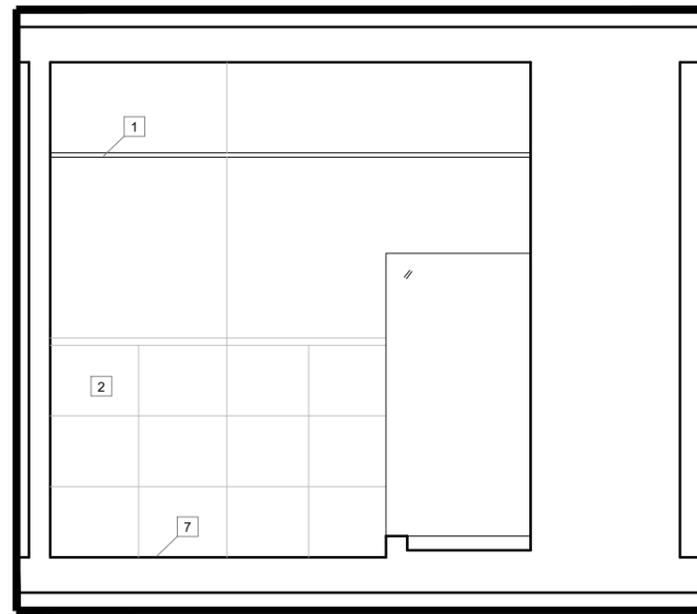
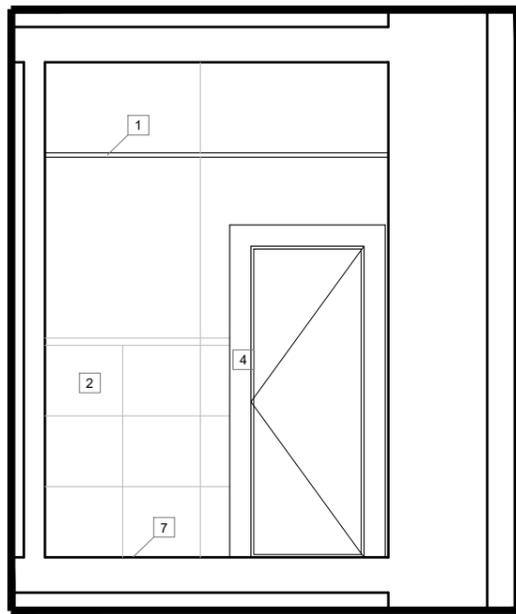
1.030 1.227 .080 .993 1.063

- pt | SIMBOLOGIA
- A construir
 - A demolir
- en | SYMBOLOGY
- To build
 - To demolish

- pt | SIMBOLOGIA
- 01 Instalação Sanitária 5.03m²
- en | SYMBOLOGY
- 01 Bathroom 5.03m²

Todas as dimensões deverão ser confirmadas em obra. | All the dimensions have to be confirmed on site.

 <p>Requerente: EMBASSY OF THE UNITED STATES OF AMERICA</p>		REMODELING OF THE MSGR BATHROOMS WC4 - Marble Bathroom		Fase: Execução
		Especialidade: Projeto Alterações Project Changes	Contém: pt DEMOLIÇÕES en DEMOLITIONS	Projecto: Des. n.: <div style="font-size: 24px; font-weight: bold; text-align: center;">01</div>
Técnico: Eng.º José Rei - O.E. 44956		Escalas: 1:50 1:100	Data: June 2020	
RESERVADOS TODOS OS DIREITOS DE AUTOR				PROIBIDA A REPRODUÇÃO TOTAL OU PARCIAL SEM PRÉVIA AUTORIZAÇÃO



pt | SIMBOLOGIA

01 Instalação Sanitária 5.03m²

en | SYMBOLOGY

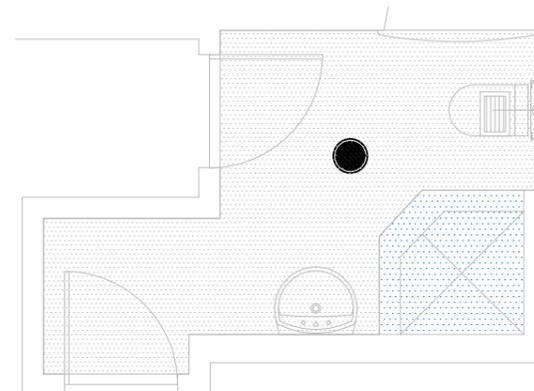
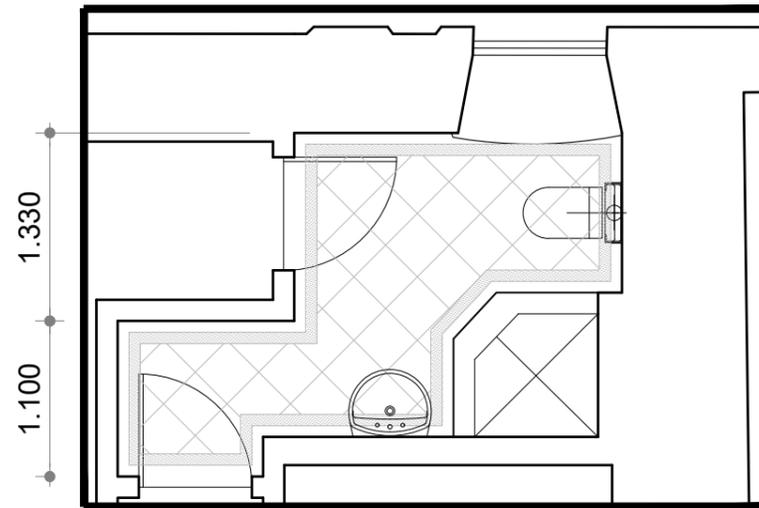
01 Bathroom 5.03m²

pt | SIMBOLOGIA

- 1 TETO FALSO EM GESSO CARTONADO / ESTAFE A MANTER, REPARAR E PINTAR À CÔR BRANCA
- 2 REVESTIMENTO EM PEDRA NATURAL A MANTER E POLIR, RECUPERAR/RETOCAR JUNTAS
- 3 INTERRUPTOR TIPO "EFAPEL LOGUS 90 BASE" OU EQUIVALENTE AO EXISTENTE
- 4 PORTA EM MADEIRA RECUPERADA, ENVERNIZAR C/ ACABAMENTO IGUAL AO EXISTENTE
- 5 LAVATÓRIO DE COLUNA TIPO "SANINDUSA SANLIFE"
- 6 ESPELHO A EMBUTIR DE DIMENSÕES 55X80
- 7 PAVIMENTO EM PEDRA NATURAL A MANTER E POLIR, RECUPERAR/RETOCAR JUNTAS
- 8 REVESTIMENTO PORCELÂNICO TIPO "CINCA COMBI 9553 2.5x2.5"
- 9 SANITA SIMPLES TIPO "SANINDUSA PROGET CONFORT DC"
- 10 TORNEIRA MISTURADORA TIPO "SANINDUSA EASY"
- 11 KIT HASTE DE PAREDE E PINHA "SANINDUSA DUO 200"
- 12 MISTURADORA DE ENCASTRAR 3 VIAS "SANINDUSA MASTER 40 ESPELHO REDONDO"
- 13 BASE DE DUCHE EXECUTADA NO LOCAL COM REVEST. CERÂM. "CINCA ANTI-SLIP 4331 20x20"
- 14 PRATELEIRAS DE DUCHE
- 15 RESGUARDO DE DUCHE EM VIDRO TEMPERADO LAMINADO 10mm COM PORTA DE ABRIR PARA EXTERIOR

en | SYMBOLOGY

- 1 FALSE CEILING IN CARDBOARD / STABLE TO MAINTAIN, REPAIR AND PAINT IN WHITE COLOR
- 2 CERAMIC COATING TYPE "REVIGRÉS CHROMATICA SUPERBRANCO RECT. 60X30"
- 3 "EFAPEL LOGUS 90 BASE" TYPE SWITCH OR EQUIVALENT TO THE EXISTING
- 4 DOOR IN WOOD RECOVERED, VARNISH WITH FINISHING EQUAL TO THE EXISTING
- 5 COLUMN WASHBASIN "SANINDUSA SANLIFE"
- 6 BUILT-IN MIRROR OF DIMENSIONS 55X80
- 7 NATURAL STONE FLOORING TO KEEP AND POLISH, RECOVER / TOUCH UP TOGETHER
- 8 PORCELAIN COATING TYPE "CINCA COMBI 9553 2.5x2.5"
- 9 SIMPLE TOILET TYPE "SANINDUSA PROGET CONFORT DC"
- 10 MIXING TAP "SANINDUSA EASY"
- 11 WALL ROD AND PINK KIT "SANINDUSA DUO 200"
- 12 "SANINDUSA ECO - MANIPULO CLINICO" TYPE FLUXOMETER MANIFOLD
- 13 SHOWER BASE EXECUTED ON THE SITE WITH REVEST. CERAM. "FIVE ANTI-SLIP 4331 20x20"
- 14 SHOWER SHELVES
- 15 LAMINATED TEMPERED GLASS SHOWER SAFETY WITH OUTDOOR OPENING DOOR



pt | SIMBOLOGIA

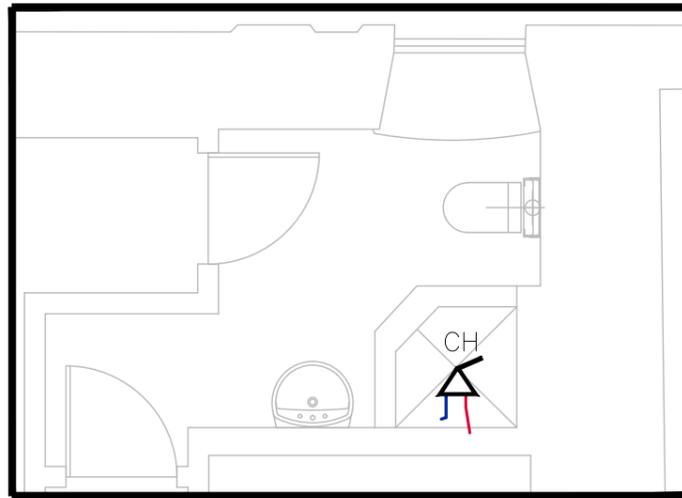
- Renovação e Pintura de teto original com tinta plástica, côr branca
- Novo Teto Falso - gesso cartonado, a pintar tinta plástica, côr branca
- PaineL de Led 60x60 40W 4000k
- PaineL de Led Ø22.5cm 18W 4000k
- PaineL de Led Ø12cm 12W 4000k
- Difusores 4 vias de teto encastráveis
- Difusor de teto encastrável
- Detetor/sirene de sistema deteção de Incêndio existente e a manter

en | SYMBOLOGY

- Renovation and painting of the original ceiling with white plastic paint
- New False Ceiling - plasterboard with white plastic paint
- Led panel 60x60 40W 4000k
- Led panel Ø22.5cm 18W 4000k
- Led panel Ø12cm 12W 4000k
- Built-in 4-way ceiling diffusers 30x30
- Built-in Ceiling Diffuser
- Detector / siren of existing fire detection system and to be maintained

Todas as dimensões deverão ser confirmadas em obra. | All the dimensions have to be confirmed on site.

 <p>Requerente: EMBASSY OF THE UNITED STATES OF AMERICA</p>		REMODELING OF THE MSGR BATHROOMS WC4 - Marble Bathroom		Fase: Execução
Especialidade: Projeto Alterações Project Changes	Contém: pt PLANTA FINAL en FINAL PLANT	Projecto: Des. n.: <div style="font-size: 2em; font-weight: bold; text-align: center;">02</div>		
Técnico: Eng.º José Rei - O.E. 44956	Escalas: 1:20 1:100	Data: June 2020		
RESERVADOS TODOS OS DIREITOS DE AUTOR		PROIBIDA A REPRODUÇÃO TOTAL OU PARCIAL SEM PRÉVIA AUTORIZAÇÃO		



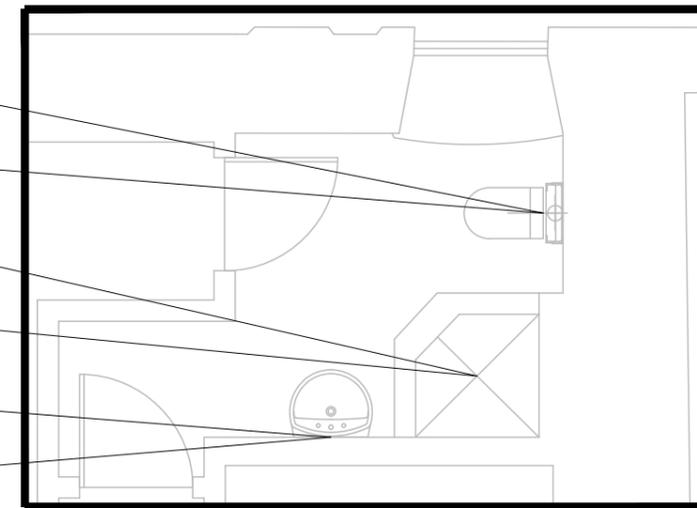
pt | REDE DE ÁGUAS
Esc. 1/50

en | WATER PIPES
Esc. 1/50

Drenagem Esgoto Sanita
(a manter)
Drainage Sewage Toilet
(to keep)

Drenagem Esgoto Chuveiro
(a adaptar)
Drain sewer shower
(to adapt)

Drenagem Esgoto Lavatório
(a manter)
Lavatory Sewer Drainage
(to keep)



pt | REDE DE ESGOTOS
Esc. 1/50

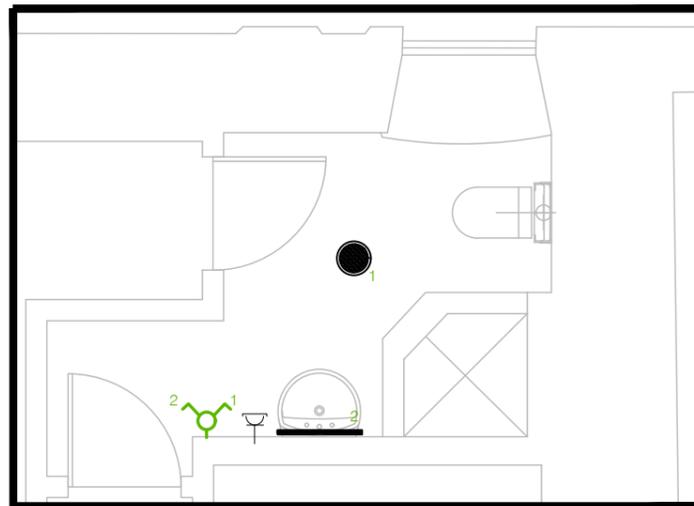
en | SEWER NETWORK
Esc. 1/50

pt | SIMBOLOGIA

- Canalização de água fria
- Canalização de água quente
- Torneira / Válvula de seccionamento
- Misturadora
- Bacia de Retrete
- Termoacumulador elétrico
- Máquina de lavar louça

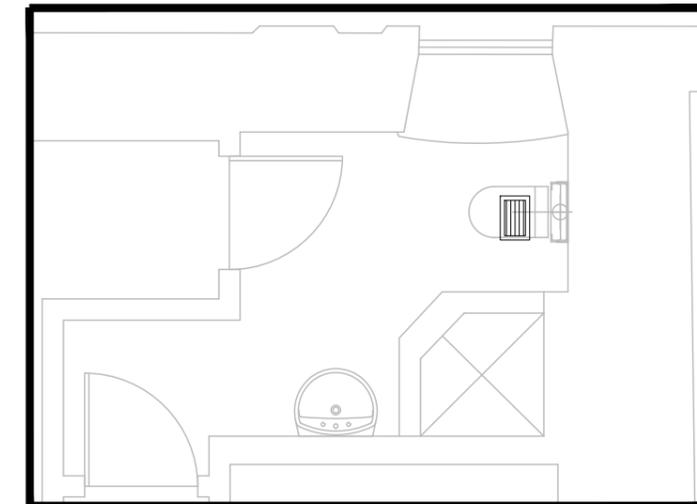
en | SYMBOLOGY

- Cold water Piping
- Hot Water Piping
- Faucet / Shut-off valve
- Mixer
- Toilet Basin
- Electric Water Heater
- Dishwasher



pt | INSTALAÇÃO ELÉCTRICA
Esc. 1/50

en | ELECTRICAL INSTALATION
Esc. 1/50



pt | VENTILAÇÃO E AR CONDICIONADO
Esc. 1/50

en | VENTILATION AND AIR CONDITIONING
Esc. 1/50

pt | SIMBOLOGIA

- Grelhas existentes a fazer manutenção
- Difusor de teto encastrável Ø80mm a ligar a condutas existentes
- Difusores 4 vias de teto encastráveis 30x30 a ligar a condutas existentes

en | SYMBOLOGY

- Existing grids to be maintained
- Recessed ceiling diffuser Ø80mm, connect to existing conduits
- 4-way recessed ceiling diffuser 30x30, connect to existing conduits

pt | SIMBOLOGIA

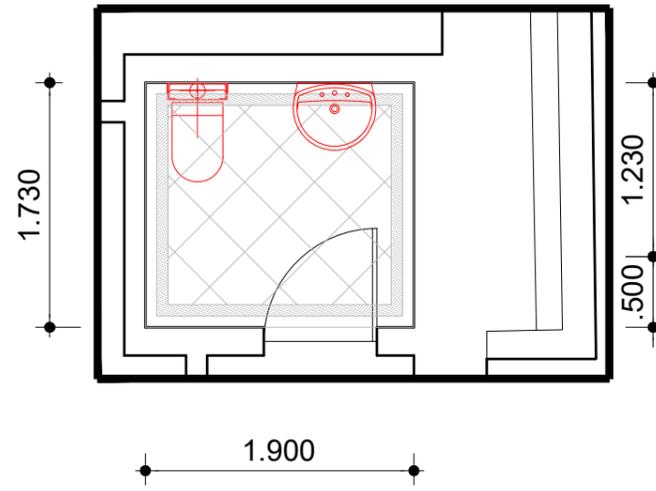
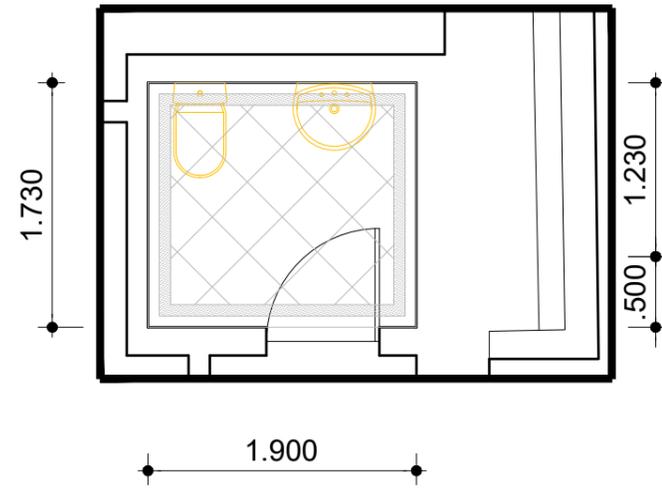
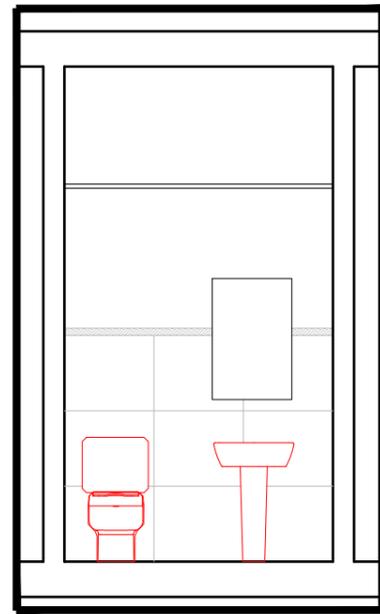
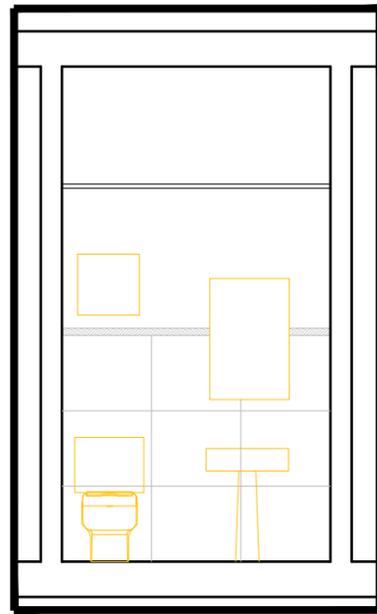
- Painel de Led 60x60 40W 4000k
- Painel de Led Ø22.5cm 18W 4000k
- Painel de Led Ø12cm 12W 4000k
- Armadura c/lâmpada LED 60/100cm
- Aplique de parede LED 6W
- Interruptor simples (n=circuito)
- Interruptor duplo (n=circuito)
- tomada simples protegida
- tomada simples
- Luminária permanente e autónoma
- Itinerário normal de evacuação

en | SYMBOLOGY

- Led panel 60x60 40W 4000k
- Led panel Ø22.5cm 18W 4000k
- Led panel Ø12cm 12W 4000k
- Armor with LED lamp 60/100cm
- Wall light LED 6W
- Simple switch (no = circuit)
- Double switch (no = circuit)
- Protected single outlet
- Single outlet
- Permanent and stand-alone luminaire
- Normal evacuation route

Todas as dimensões deverão ser confirmadas em obra. | All the dimensions have to be confirmed on site.

REMODELING OF THE MSGR BATHROOMS WC4 - Marble Bathroom		Fase: Execução
Especialidade: Projeto Alterações Project Changes	Contém: pt INSTALAÇÕES (REDES) en FACILITIES (NETWORKS)	Projecto: Des. n.: 03
Técnico: Eng.º José Rei - O.E. 44956	Escalas: 1:20 1:100	Data: June 2020
RESERVADOS TODOS OS DIREITOS DE AUTOR		PROIBIDA A REPRODUÇÃO TOTAL OU PARCIAL SEM PRÉVIA AUTORIZAÇÃO



- pt | SIMBOLOGIA
- A construir
 - A demolir
- en | SYMBOLOGY
- To build
 - To demolish

pt | SIMBOLOGIA

01 Instalação Sanitária 3.28m²

en | SYMBOLOGY

01 Bathroom 3.28m²

Todas as dimensões deverão ser confirmadas em obra. | All the dimensions have to be confirmed on site.

 <p>Requerente: EMBASSY OF THE UNITED STATES OF AMERICA</p>		REMODELING OF THE MSGR BATHROOMS WCS - Lioz Bathroom		Fase: Execução
		Especialidade: Projeto Alterações Project Changes	Contém: pt DEMOLIÇÕES en DEMOLITIONS	Projecto: Des. n.: <div style="font-size: 24px; font-weight: bold; text-align: center;">01</div>
Técnico: Eng.º José Rei - O.E. 44956		Escalas: 1:50 1:100	Data: June 2020	
RESERVADOS TODOS OS DIREITOS DE AUTOR				PROIBIDA A REPRODUÇÃO TOTAL OU PARCIAL SEM PRÉVIA AUTORIZAÇÃO



pt | SIMBOLOGIA

01 Instalação Sanitária 3.28m²

en | SYMBOLOGY

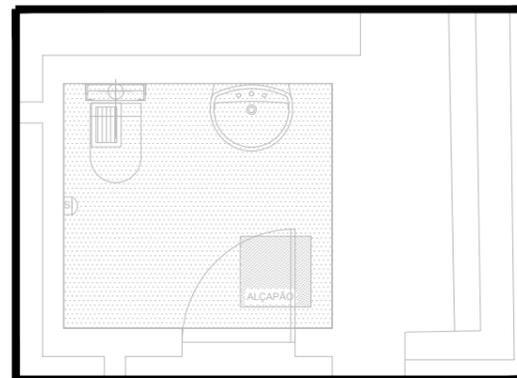
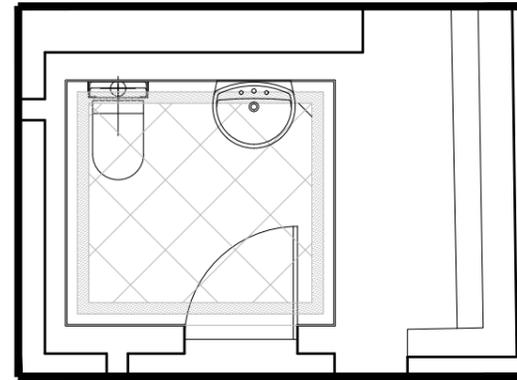
01 Bathroom 3.28m²

pt | SIMBOLOGIA

- 1 TETO FALSO EM GESSO CARTONADO / ESTAFE A MANTER, REPARAR E PINTAR À CÔR BRANCA
- 2 REVESTIMENTO EM PEDRA NATURAL A MANTER E POLIR, RECUPERAR/RETOCAR JUNTAS
- 3 INTERRUPTOR TIPO "EFAPEL LOGUS 90 BASE" OU EQUIVALENTE AO EXISTENTE
- 4 PORTA EM MADEIRA RECUPERADA, ENVERNIZAR C/ ACABAMENTO IGUAL AO EXISTENTE
- 5 LAVATÓRIO DE COLUNA TIPO "SANINDUSA SANLIFE"
- 6 ESPELHO A EMBUTIR DE DIMENSÕES 55X80
- 7 PAVIMENTO EM PEDRA NATURAL A MANTER E POLIR, RECUPERAR/RETOCAR JUNTAS
- 8 TOMADA SIMPLES TIPO "EFAPEL LOGUS 90 BASE" OU EQUIVALENTE AO EXISTENTE
- 9 SANITA SIMPLES TIPO "SANINDUSA PROGET CONFORT DC"
- 10 TORNEIRA MISTURADORA TIPO "SANINDUSA EASY"
- 11 PAREDE A MANTER, REPARAR E PINTAR À COR BRANCA

en | SYMBOLOGY

- 1 FALSE CEILING IN CARDBOARD / STABLE TO MAINTAIN, REPAIR AND PAINT IN WHITE COLOR
- 2 CERAMIC COATING TYPE "REVIGRÉS CHROMATICA SUPERBRANCO RECT. 60X30"
- 3 "EFAPEL LOGUS 90 BASE" TYPE SWITCH OR EQUIVALENT TO THE EXISTING
- 4 DOOR IN WOOD RECOVERED, VARNISH WITH FINISHING EQUAL TO THE EXISTING
- 5 COLUMN WASHBASIN "SANINDUSA SANLIFE"
- 6 BUILT-IN MIRROR OF DIMENSIONS 55X80
- 7 NATURAL STONE FLOORING TO KEEP AND POLISH, RECOVER / TOUCH UP TOGETHER
- 8 SIMPLE SOCKET TYPE "EFAPEL LOGUS 90 BASE" OR EQUIVALENT TO EXISTING
- 9 SIMPLE TOILET TYPE "SANINDUSA PROGET CONFORT DC"
- 10 MIXING TAP "SANINDUSA EASY"
- 11 WALL TO MAINTAIN, REPAIR AND PAINT IN WHITE COLOR



pt | SIMBOLOGIA

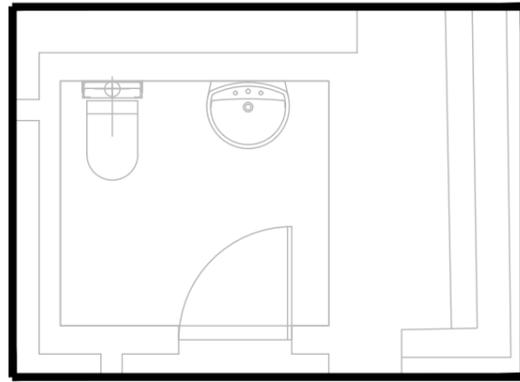
- Renovação e Pintura de teto original com tinta plástica, côr branca
- Novo Teto Falso - gesso cartonado, a pintar tinta plástica, côr branca
- Painele de Led 60x60 40W 4000k
- Painele de Led Ø22.5cm 18W 4000k
- Painele de Led Ø12cm 12W 4000k
- Difusores 4 vias de teto encastráveis
- Difusor de teto encastrável
- Detetor/sirene de sistema deteção de Incêndio existente e a manter

en | SYMBOLOGY

- Renovation and painting of the original ceiling with white plastic paint
- New False Ceiling - plasterboard with white plastic paint
- Led panel 60x60 40W 4000k
- Led panel Ø22.5cm 18W 4000k
- Led panel Ø12cm 12W 4000k
- Built-in 4-way ceiling diffusers 30x30
- Built-in Ceiling Diffuser
- Detector / siren of existing fire detection system and to be maintained

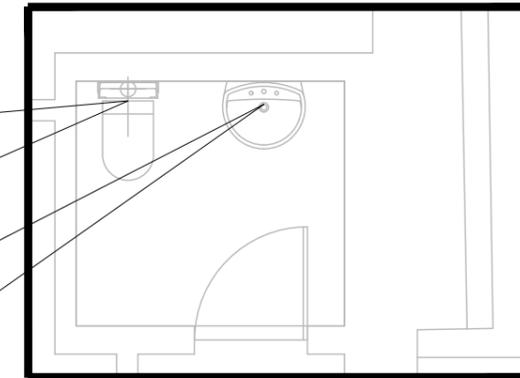
Todas as dimensões deverão ser confirmadas em obra. | All the dimensions have to be confirmed on site.

 <p>Requerente: EMBASSY OF THE UNITED STATES OF AMERICA</p>		REMODELING OF THE MSGR BATHROOMS WCS - Lioz Bathroom		Fase: Execução
Especialidade: Projeto Alterações Project Changes	Contém: pt PLANTA FINAL en FINAL PLANT		Projecto: Des. n.: <div style="font-size: 2em; font-weight: bold; text-align: center;">02</div>	
Técnico: Eng.º José Rei - O.E. 44956	Escalas: 1:20 1:100	Data: June 2020		
RESERVADOS TODOS OS DIREITOS DE AUTOR		PROIBIDA A REPRODUÇÃO TOTAL OU PARCIAL SEM PRÉVIA AUTORIZAÇÃO		



pt | REDE DE ÁGUAS
Esc. 1/50

en | WATER PIPES
Esc. 1/50



pt | REDE DE ESGOTOS
Esc. 1/50

en | SEWER NETWORK
Esc. 1/50

Drenagem Esgoto Sanita
(a manter)
Drainage Sewage Toilet
(to keep)

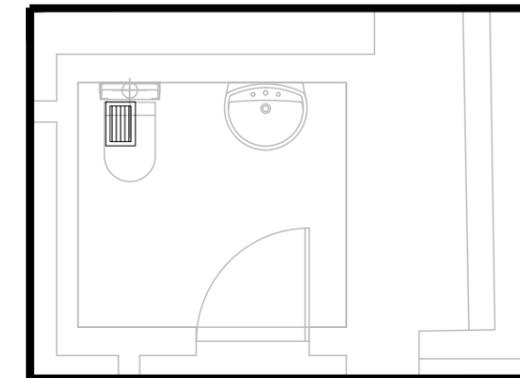
Drenagem Esgoto Lavatório
(a manter)
Lavatory Sewer Drainage
(to keep)

pt | SIMBOLOGIA

- Canalização de água fria
- Canalização de água quente
- Torneira / Válvula de seccionamento
- Misturadora
- Bacia de Retrete
- Termoacumulador elétrico
- Máquina de lavar louça

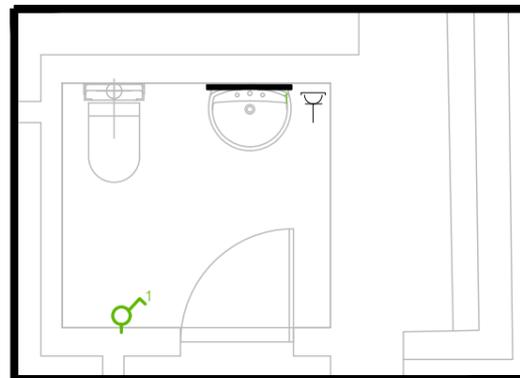
en | SYMBOLOGY

- Cold water Piping
- Hot Water Piping
- Faucet / Shut-off valve
- Mixer
- Toilet Basin
- Electric Water Heater
- Dishwasher



pt | VENTILAÇÃO E AR CONDICIONADO
Esc. 1/50

en | VENTILATION AND AIR CONDITIONING
Esc. 1/50



pt | INSTALAÇÃO ELÉCTRICA
Esc. 1/50

en | ELECTRICAL INSTALATION
Esc. 1/50

pt | SIMBOLOGIA

- Grelhas existentes a fazer manutenção
- Difusor de teto encastrável Ø80mm a ligar a condutas existentes
- Difusores 4 vias de teto encastráveis 30x30 a ligar a condutas existentes

en | SYMBOLOGY

- Existing grids to be maintained
- Recessed ceiling diffuser Ø80mm, connect to existing conduits
- 4-way recessed ceiling diffuser 30x30, connect to existing conduits

pt | SIMBOLOGIA

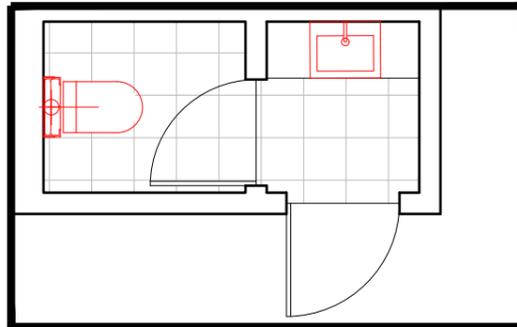
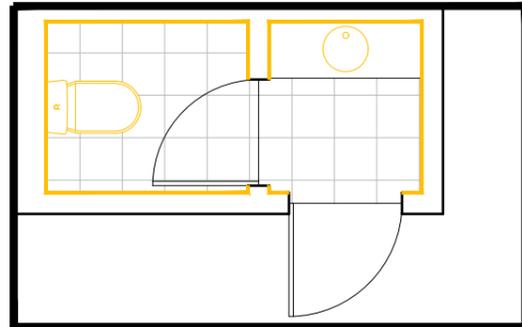
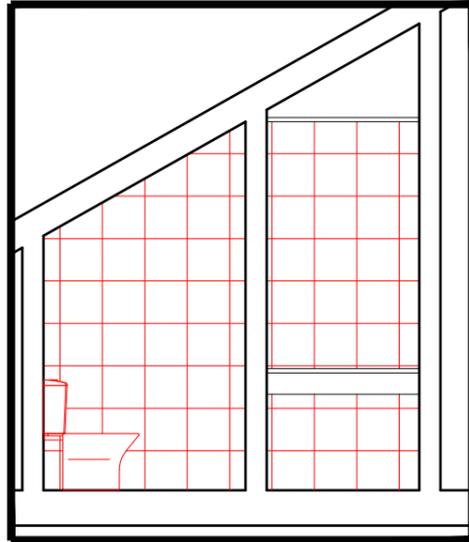
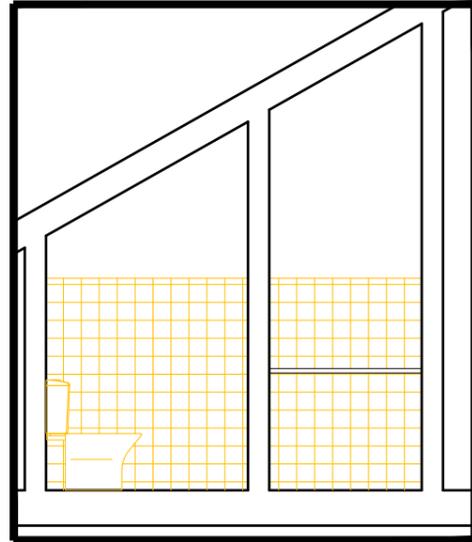
- Pannel de Led 60x60 40W 4000k
- Pannel de Led Ø22.5cm 18W 4000k
- Pannel de Led Ø12cm 12W 4000k
- Armadura c/lâmpada LED 60/100cm
- Aplique de parede LED 6W
- Interruptor simples (n=circuito)
- Interruptor duplo (n=circuito)
- tomada simples protegida
- tomada simples
- Luminária permanente e autónoma
- Itinerário normal de evacuação

en | SYMBOLOGY

- Led panel 60x60 40W 4000k
- Led panel Ø22.5cm 18W 4000k
- Led panel Ø12cm 12W 4000k
- Armor with LED lamp 60/100cm
- Wall light LED 6W
- Simple switch (no = circuit)
- Double switch (no = circuit)
- Protected single outlet
- Single outlet
- Permanent and stand-alone luminaire
- Normal evacuation route

Todas as dimensões deverão ser confirmadas em obra. | All the dimensions have to be confirmed on site.

<p>Requerente: EMBASSY OF THE UNITED STATES OF AMERICA</p>		<p>REMODELING OF THE MSGR BATHROOMS WCS - Lioz Bathroom</p>		<p>Fase: Execução</p>
		<p>Especialidade: Projeto Alterações Project Changes</p>	<p>Contém: pt INSTALAÇÕES (REDES) en FACILITIES (NETWORKS)</p>	<p>Projecto: Des. n: 03</p>
<p>Técnico: Eng.º José Rei - O.E. 44956</p>		<p>Escalas: 1:20 1:100</p>	<p>Data: June 2020</p>	
<p>RESERVADOS TODOS OS DIREITOS DE AUTOR</p>		<p>PROIBIDA A REPRODUÇÃO TOTAL OU PARCIAL SEM PRÉVIA AUTORIZAÇÃO</p>		



- pt | SIMBOLOGIA
- A construir
 - A demolir
- en | SYMBOLOGY
- To build
 - To demolish

pt | SIMBOLOGIA

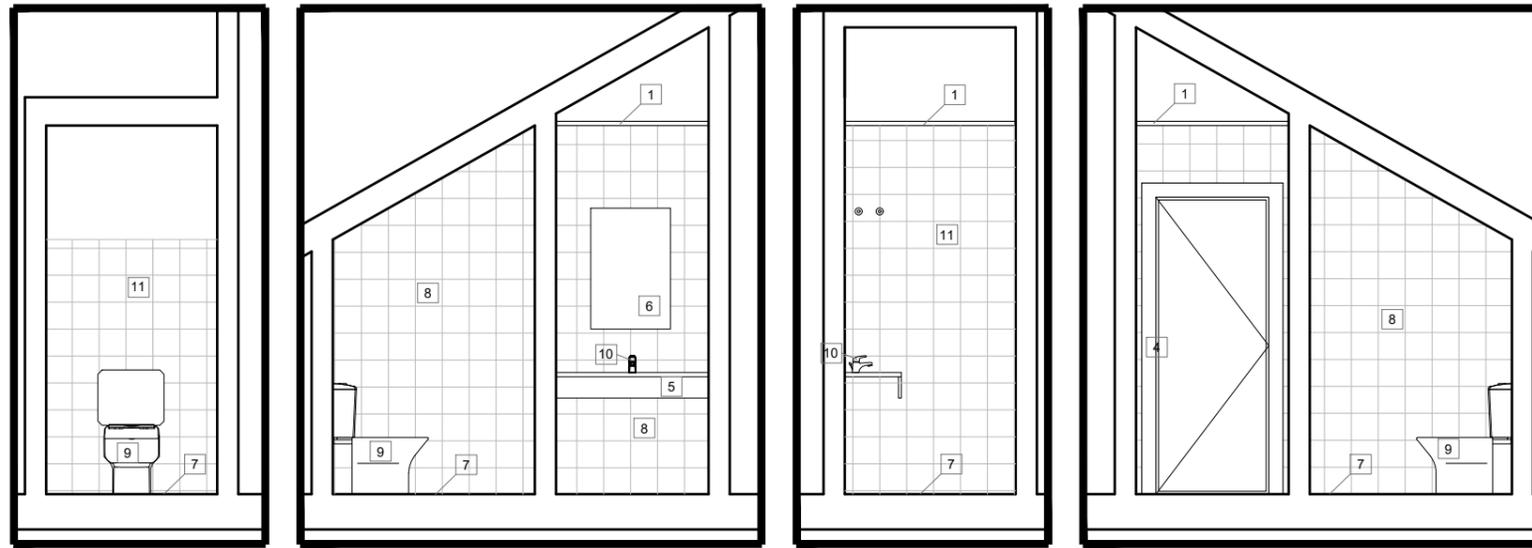
01 Instalação Sanitária 3.03m²

en | SYMBOLOGY

01 Bathroom 3.03m²

Todas as dimensões deverão ser confirmadas em obra. | All the dimensions have to be confirmed on site.

 <p>Requerente: EMBASSY OF THE UNITED STATES OF AMERICA</p>		REMODELING OF THE MSGR BATHROOMS WC6 - Under the stair		Fase: Execução
Especialidade: Projeto Alterações Project Changes	Contém: pt DEMOLIÇÕES en DEMOLITIONS	Projecto: Des. n.: 01		
Técnico: Eng.º José Rei - O.E. 44956	Escalas: 1:50 1:100	Data: June 2020		
<small>RESERVADOS TODOS OS DIREITOS DE AUTOR</small>		<small>PROIBIDA A REPRODUÇÃO TOTAL OU PARCIAL SEM PRÉVIA AUTORIZAÇÃO</small>		



pt | SIMBOLOGIA

01 Instalação Sanitária 3.03m²

en | SYMBOLOGY

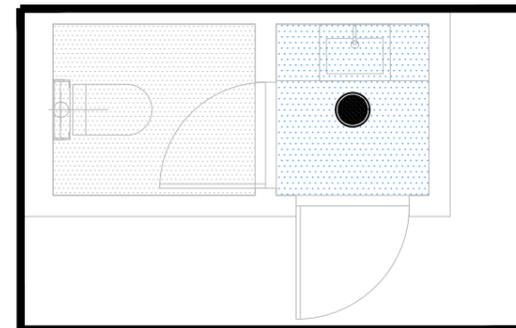
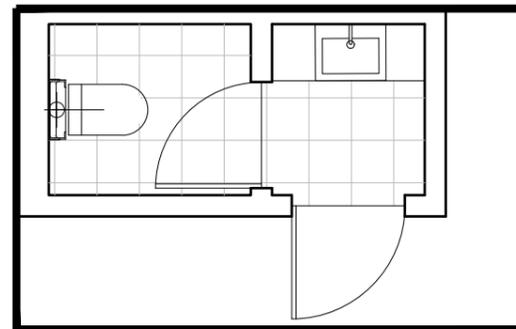
01 Bathroom 3.03m²

pt | SIMBOLOGIA

- 1 TETO FALSO EM GESSO CARTONADO / ESTAFE A MANTER, REPARAR E PINTAR À CÔR BRANCA
- 2 REVESTIMENTO EM PEDRA NATURAL A MANTER E POLIR, RECUPERAR/RETOCAR JUNTAS
- 3 INTERRUPTOR TIPO "EFAPEL LOGUS 90 BASE" OU EQUIVALENTE AO EXISTENTE
- 4 PORTA EM MADEIRA RECUPERADA, ENVERNIZAR C/ ACABAMENTO IGUAL AO EXISTENTE
- 5 BANCADA DE LAVATÓRIO EM PEDRA A REMOVER, POLIR E RECOLOCAR
- 6 ESPELHO A EMBUTIR DE DIMENSÕES 55X80
- 7 PAVIMENTO TIPO "REVIGRÉS PIGMENTO CHUMBO NAT 30X30"
- 8 REVESTIMENTO TIPO "REVIGRÉS CROMÁTICA SUPERBRANCO 30x30"
- 9 SANITA SIMPLES TIPO "SANINDUSA PROGET CONFORT DC"
- 10 TORNEIRA MISTURADORA TIPO "SANINDUSA EASY"
- 11 REVESTIMENTO TIPO "REVIGRÉS CROMÁTICA TITANIUM 30x30"

en | SYMBOLOGY

- 1 FALSE CEILING IN CARDBOARD / STABLE TO MAINTAIN, REPAIR AND PAINT IN WHITE COLOR
- 2 CERAMIC COATING TYPE "REVIGRÉS CHROMATICA SUPERBRANCO RECT. 60X30"
- 3 "EFAPEL LOGUS 90 BASE" TYPE SWITCH OR EQUIVALENT TO THE EXISTING
- 4 DOOR IN WOOD RECOVERED, VARNISH WITH FINISHING EQUAL TO THE EXISTING
- 5 STONE WASHBASIN TO REMOVE, POLISH AND REPLACE
- 6 BUILT-IN MIRROR OF DIMENSIONS 55X80
- 7 FLOOR TYPE "REVIGRÉS PIGMENTO CHUMBO NAT 30X30"
- 8 PORCELAIN COATING TYPE "CINCA COMBI 9553 2.5x2.5"
- 9 SIMPLE TOILET TYPE "SANINDUSA PROGET CONFORT DC"
- 10 MIXING TAP "SANINDUSA EASY"
- 11 WALL TO MAINTAIN, REPAIR AND PAINT IN WHITE COLOR



pt | SIMBOLOGIA

- Renovação e Pintura de teto original com tinta plástica, côr branca
- Novo Teto Falso - gesso cartonado, a pintar tinta plástica, côr branca
- Painel de Led 60x60 40W 4000k
- Painel de Led Ø22.5cm 18W 4000k
- Painel de Led Ø12cm 12W 4000k
- Difusores 4 vias de teto encastráveis
- Difusor de teto encastrável
- Detetor/sirene de sistema deteção de Incêndio existente e a manter

en | SYMBOLOGY

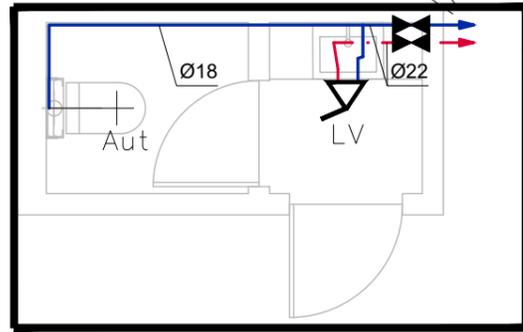
- Renovation and painting of the original ceiling with white plastic paint
- New False Ceiling - plasterboard with white plastic paint
- Led panel 60x60 40W 4000k
- Led panel Ø22.5cm 18W 4000k
- Led panel Ø12cm 12W 4000k
- Built-in 4-way ceiling diffusers 30x30
- Built-in Ceiling Diffuser
- Detector / siren of existing fire detection system and to be maintained

Todas as dimensões deverão ser confirmadas em obra. | All the dimensions have to be confirmed on site.

<p>Requerente: EMBASSY OF THE UNITED STATES OF AMERICA</p>		<p>REMODELING OF THE MSGR BATHROOMS WC6 - Under the stair</p>		<p>Fase: Execução</p>
<p>Especialidade: Projeto Alterações Project Changes</p>		<p>Contém: pt PLANTA FINAL en FINAL PLANT</p>		<p>Projecto: Des. n: 02</p>
<p>Técnico: Eng.º José Rei - O.E. 44956</p>		<p>Escalas: 1:20 1:100</p>	<p>Data: June 2020</p>	
<p>RESERVADOS TODOS OS DIREITOS DE AUTOR</p>		<p>PROIBIDA A REPRODUÇÃO TOTAL OU PARCIAL SEM PRÉVIA AUTORIZAÇÃO</p>		

Ligação/intersecção à rede existente

Existing network link / intersection



pt | REDE DE ÁGUAS
Esc. 1/50

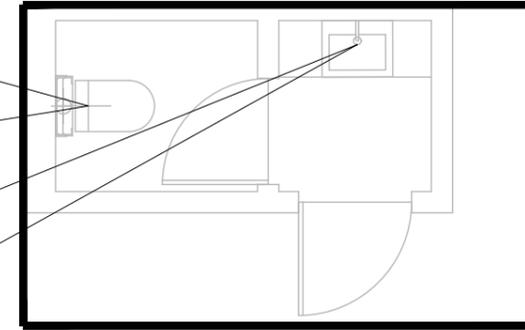
en | WATER PIPES
Esc. 1/50

pt | REDE DE ESGOTOS
Esc. 1/50

en | SEWER NETWORK
Esc. 1/50

Drenagem Esgoto Sanita
(a manter)
Drainage Sewage Toilet
(to keep)

Drenagem Esgoto Lavatório
(a manter)
Lavatory Sewer Drainage
(to keep)



pt | SIMBOLOGIA

- Canalização de água fria
- - - Canalização de água quente
- ⊘ Torneira / Válvula de seccionamento
- ⊕ Misturadora
- Aut Bacia de Retrete
- TE Termoacumulador elétrico
- ⊕ Máquina de lavar louça

Todas as Tubagens serão executadas em aço inox Aisi 316l.

A rede de água quente será isolada termicamente com espuma elastomérica min 10mm

en | SYMBOLOGY

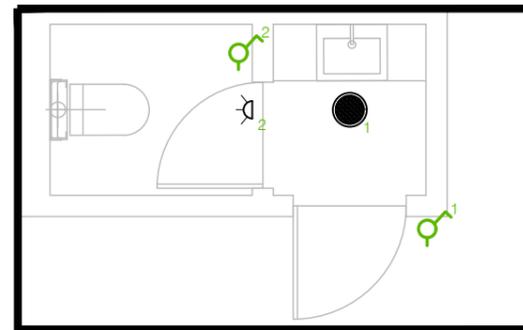
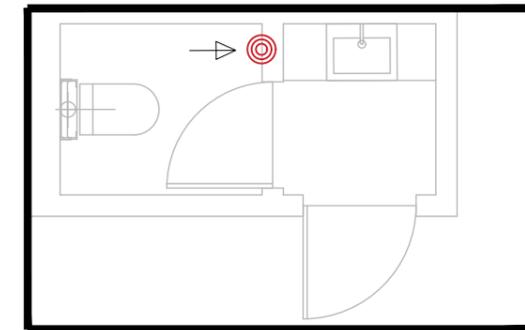
- Cold water Piping
- - - Hot Water Piping
- ⊘ Faucet / Shut-off valve
- ⊕ Mixer
- Aut Toilet Basin
- TE Electric Water Heater
- ⊕ Dishwasher

All Pipes will be run in 316l stainless steel

The hot water network will be thermally insulated with elastomeric foam min 10mm

pt | VENTILAÇÃO E AR CONDICIONADO
Esc. 1/50

en | VENTILATION AND AIR CONDITIONING
Esc. 1/50



pt | INSTALAÇÃO ELÉCTRICA
Esc. 1/50

en | ELECTRICAL INSTALATION
Esc. 1/50

pt | SIMBOLOGIA

- ▤ Grelhas existentes a fazer manutenção
- Difusor de teto encastrável Ø80mm a ligar a condutas existentes
- ⊕ Difusores 4 vias de teto encastráveis 30x30 a ligar a condutas existentes

pt | SIMBOLOGIA

- ☒ Painel de Led 60x60 40W 4000k
- Painel de Led Ø22.5cm 18W 4000k
- Painel de Led Ø12cm 12W 4000k
- Armadura c/lâmpada LED 60/100cm
- ⊕ Aplique de parede LED 6W
- ⊕ Interruptor simples (n=circuito)
- ⊕ Interruptor duplo (n=circuito)
- ⊕ tomada simples protegida
- ⊕ tomada simples
- ☒ Luminária permanente e autónoma
- ☒ Itinerário normal de evacuação

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- ☒ Led panel 60x60 40W 4000k
- Led panel Ø22.5cm 18W 4000k
- Led panel Ø12cm 12W 4000k
- Armor with LED lamp 60/100cm
- ⊕ Wall light LED 6W
- ⊕ Simple switch (no = circuit)
- ⊕ Double switch (no = circuit)
- ⊕ Protected single outlet
- ⊕ Single outlet
- ☒ Permanent and stand-alone luminaire
- ☒ Normal evacuation route

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- ▤ Existing grids to be maintained
- Recessed ceiling diffuser Ø80mm, connect to existing conduits
- ⊕ 4-way recessed ceiling diffuser 30x30, connect to existing conduits

Todas as dimensões deverão ser confirmadas em obra. | All the dimensions have to be confirmed on site.

<p>Requerente: EMBASSY OF THE UNITED STATES OF AMERICA</p>	REMODELING OF THE MSGR BATHROOMS WC6 - Under the stair		Fase: Execução
	Especialidade: Projeto Alterações Project Changes	Contém: pt INSTALAÇÕES (REDES) en FACILITIES (NETWORKS)	Projecto: Des. n.: <div style="text-align: center; font-size: 2em; font-weight: bold;">03</div>
Técnico: Eng.º José Rei - O.E. 44956	Escalas: 1:20 1:100	Data: June 2020	
RESERVADOS TODOS OS DIREITOS DE AUTOR		PROIBIDA A REPRODUÇÃO TOTAL OU PARCIAL SEM PRÉVIA AUTORIZAÇÃO	