

Administración
Central
Universidad de
Puerto Rico

**UNIVERSITY OF PUERTO RICO
CENTRAL ADMINISTRATION
NOTICE OF REQUEST FOR PROPOSAL
RFP #DRO 23-021 /04632, 06710, 05682, 09520, 10170, 04884, 06024
DESIGN AND SUPERVISION SERVICES**

Timeline:

RFP publication date: March 21, 2023.
Site Visit: If necessary and required by the proponent
Deadline for Request
for Information by email: April 4, 2023, Time: on or before 4:30pm.
Response for Request
for Information by email: April 10, 2023, Time: on or before 4:30pm.

The proposal must be submitted **by email on or before 11:59pm (AST) on April 19, 2023.** Address the indicated contacts in Section II (Mr. Julio Collazo Rivera, attention to Eng. Carlos Hiraldo and Eng. Eliezer Collazo). [The University of Puerto Rico \(UPR\) will accept offers via email in digital PDF format at uprecovery.rpf@upr.edu.](mailto:uprecovery.rpf@upr.edu) To request the RFP Documents write us at said email.



The UPR is working towards its recovery, which requires the issuance of this Request for Proposal for Design and Supervision Services for the UPR Recovery Project **04632, 06710, 05682, 09520, 10170, 04884, 06024-DRO-D01-UPRB-UPRCay-UPRH-Reconditioning of UPR Bayamon, UPR Cayey and UPR Humacao Facilities, University of Puerto Rico** ("The Project"). This Program is 90% (\$698,940,543.78) funded by FEMA and 10% (\$42,625,237.77) matching funds of CDBG-DR Non-Federal Match Program and (\$35,034,822.65) institutional funds. The purpose of this RFP is to request and receive proposals from qualified Architecture and Engineering firms for the development of all design documents: Basis of Design, detail design, specifications, cost estimates, schedules, scopes of work, bidding phase, and other required documentation for the compliance of the requirements of FEMA and PRDOH/CDBG-DR Non-Federal Match Program. The awarded firm or professional will also provide services of oversight and coordination for the execution of a complete comprehensive project.

Oficina de
Desarrollo
Físico e
Infraestructura

The project will be divided in three (3) campuses (Bayamón, Cayey and Humacao) Each campus is divided among themselves. The Bayamon Campus considered three (3) projects. The first project is divided into four (4) buildings (DI). The second included one (1) building, and the last, two (2) buildings, for a total of seven (7) damages for the Bayamon Campus. The Cayey Campus is divided into two (2) projects. One of the projects has a single (1) building, while the other Project has three (3) buildings. Lastly, the Humacao Campus has two (2) projects. One of the projects has two (2) buildings while the other has three (3) buildings. In summary, sixteen (16) buildings will be working in total, whose respective scope of work, as stated by FEMA. The project considers several construction tasks that will restore the facilities to their pre-disaster design, function, and capacity, including mitigation tasks as recommended by FEMA. All work to be performed must be within the existing footprint. Some works include mitigation measures and code compliance measures as recommended by FEMA in the respective scope of work for each building. Due to the building's year of construction, it may be necessary lead or asbestos abatement.

The UPR is an equal opportunity employer and does not discriminate as to sex, gender or sexual identity, race, age, national origin, religious creed, civil status, war veterans, handicap or disable status. The UPR reserves the right to reject any or all proposals and to award the auction under the conditions it deems most convenient to the interests of the UPR, regardless of the amount of the bids or to cancel the auction award at any time before the contract is signed.

Jardín Botánico Sur
1187 Calle Flamboyán
San Juan PR
00926-1117
Tel 787-250-0000
Fax 787-250-8568


Julio A. Collazo Rivera, Director

REQUEST FOR PROPOSALS FOR:

DESIGN AND SUPERVISION SERVICES for

Project Number: 04632, 09520, 10170, 04884, 06024-DRO-D01-UPRB-UPRCay-UPRH

Project Title: Reconditioning of UPR Bayamon, UPR Cayey and UPR Humacao Facilities, University of Puerto Rico,
RFP #DRO 23-021/04632, 09520, 10170, 04884, 06024

Physical Development and Infrastructure Office
Disaster Recovery Office
President's Office
University of Puerto Rico

Project funded by:
FEMA AND CDBG-DR PROGRAM



Universidad de Puerto Rico



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1. BACKGROUND AND PURPOSE

The University of Puerto Rico (the "UPR") is a public corporation of the Government of Puerto Rico, organized by Act No. 1 of January 20, 1966, as amended, known as "Ley de la Universidad de Puerto Rico" (the "UPR Act"), 18 LPRA § 601 et seq, and a higher education institution. The UPR was severely devastated by Hurricane María, and as a result, is a subrecipient of the Puerto Rico Department of Housing (the "PRDOH"), under the CDBG-DR Non-Federal Match Program, and the Public Assistance Program of the Federal Emergency Management Agency (the "FEMA").

The UPR is working towards its recovery, which requires the issuance of this Request for Proposal (the "RFP") for Design and Supervision Services for the UPR Recovery Project - **Reconditioning of UPR Bayamon, UPR Cayey and UPR Humacao facilities, University of Puerto Rico, RFP #DRO 23-021/04632, 09520, 10170, 04884, 06024** ("The Project"). The purpose of this RFP is to request and receive proposals from qualified Architecture and Engineering firms for the development of all design documents: As-Built, Basis of Design, detail design, specifications, cost estimates, schedules, scopes of work, and bidding phase and other required documentation for the compliance of the requirements of FEMA and PRDOH/CDBG-DR Non-Federal Match Program. The awarded firm or professional will also provide services of oversight and coordination for the execution of a complete comprehensive project.

Proponents must explain in detail how they will be able to provide the required services and achieve the expected results, while in compliance with FEMA and PRDOH/CDBG-DR Non-Federal Match Program requirements. Previous experience with projects subject to compliance requirements under FEMA and PRDOH/CDBG-DR Non-Federal Match Program is very important. Review and verification through the site area of FEMA's Scope of Work (the "SOW") is required, as well as the development of a detailed SOW (based exclusively in the FEMA SOW of hurricane damages provided) with current industry construction costs for the repair in compliance with applicable actual codes and regulations. In addition, proponents shall provide the percent fee applicable for any future additional scope or scope change required for reinstate facility to normal functional operation.

The awarded proponent shall comply with all applicable Federal, state, and local laws, rules, regulations, and policies relating to FEMA Public Assistance Program and PRDOH CDBG-DR Program services. This includes without limitation, applicable Federal Registers; 2 C.F.R. part 200 Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards; Community Development Act of 1974; 24 C.F.R. part 570 Community Development Block Grant; applicable waivers; Fair Housing Act, 24 C.F.R. § 35, 24 C.F.R. part 58, 24 C.F.R. part 135; National Historic Preservation Act; 2 C.F.R. part 200.101, where applicable, and any other applicable state laws or regulations, including the requirements related to nondiscrimination, labor standards, and the environment; and Action Plan amendments and HUD's guidance on the funds. [Click on link](#) to see Compliance with Federal Law, Regulations and Executive Orders.

2. CONTACT AND TIMELINE

The RFP shall be sent and addressed to:

Mr. Julio Collazo Rivera
Director
Office of Physical Development & Infrastructure

Attention to:
Eng. Carlos Hiraldo Torres and Eng. Eliezer Collazo
Field Operation Manager's
Disaster Recovery Office

University of Puerto Rico
Jardín Botánico Sur 1187, calle Flamboyán
Río Piedras, Puerto Rico 00926-1117
Tel. (787) 250-0000, Ext. 5099
E-mail: upprecovery.rfp@upr.edu

NOTICE: Be advised that interested proponents must register receipt of this RFP at upprecovery.rfp@upr.edu to qualify for receiving the following:

- Notice of changes or cancelation of the RFP;
- Responses to questions or clarifications made to interested proponents; and,
- Notice of award of the proposal.

3. TIMELINE AND SUBMISSION DATE

Description	Date
RFP publication	March 16, 2023.
Deadline for Request for Information (RFI) by email	March 29, 2023, Time: on or before 4:30pm Atlantic Standard Time (AST)
Response for Request for Information by email	March 31, 2023, Time: on or before 4:30pm Atlantic Standard Time (AST)
The proposal must be submitted by email. Address the indicated contacts in Section 2 – CONTACT (Mr. Julio Collazo Rivera, Attention to Eng. Carlos Hiraldo and Eng. Eliezer Collazo)	April 14, 2023, Time: on or before 11:59pm Atlantic Standard Time (AST).
Award Notification	April 2023
Execution of Agreement	May 2023

The proposal must be compiled in digital PDF format. The dates may be subject to change at the discretion of the UPR. Interested proponents have the responsibility of verifying and checking the email from which they issued a notice of receipt of this RFP, as was indicated in Section 2 of this RFP. All official communication related to this RFP will be per that indication. The award notice of this proposal shall not constitute the formal agreement between the parties.

4. PROJECT DESCRIPTION

The project will be divided in three (3) campuses (Bayamón, Cayey and Humacao) Each campus is divided among themselves. The Bayamon Campus considered a single project divided into five (5) buildings (DI). The Cayey Campus is divided into two (2) projects. One of the projects has a single building, while the other Project has three (3) buildings. Lastly, the Humacao Campus has two (2) projects. One of the projects has two (2) buildings while the other has three (3) buildings. In summary, fourteen (14) buildings will be working in total, whose respective scope of work, as stated by FEMA.

The project considers several construction tasks that will restore the facilities to their pre-disaster design, function, and capacity, including mitigation tasks as recommended by FEMA. All work to be performed must be within the existing footprint. Some works include mitigation measures and code compliance measures as recommended by FEMA in the respective scope of work for each building. Due to the building's year of construction, it may be necessary lead or asbestos abatement.

In general terms, the required tasks for those building are as follows (See SOW in **Appendix E** for specifications).

5. SERVICES

The **Awarded Proponent** will carry out, as part of the design and supervision services, all the activities and responsibilities identified below, acknowledging that this does not constitute an exhaustive list of the duties, which can increase due to the very nature of the work:

5.1 SERVICES RELATED TO FEMA'S SOW

5.1.1 The provided SOW serves as fundamental base for the development of a final detailed SOW. This final detailed SOW is required for submission to FEMA, for Scope of Work Alignment. The awarded proponent is responsible for preparing cost estimates for the mentioned SOW and any additional SOW as required by UPR for compliance with all internal and FEMA procedures.

5.1.2 The Awarded Proponent is responsible for verifying the SOW, Method of Repair (MOR), Bipartisan Budget Act of 2018, Pub. L. No. 115-123, § 20601, 132 Stat. 64 (2018) approved work included in this document. The Campus Liaison will coordinate the visit as soon as possible.

5.1.3 The Project shall comply with FEMA's requirements for Category E – Permanent Work as stated in the Public Assistance Program and Policy Guide FP104-009-2/April 2018 and Puerto Rico's construction laws, regulations, and codes.

5.1.4 The Awarded Proponent is responsible for notifying the UPR's representative in case of any change that may affect the primary SOW.

5.1.5 As part of the design and supervision services to be provided, the Awarded Proponent will serve as a consultant in all matters related, constituting an advisory resource for the UPR in the plans, strategies, and actions referred and/or requested by the President or his authorized representative, COR3 or FEMA, and will be available to complete said requests and attend the meetings that the UPR deems necessary.

5.1.6 The Awarded Proponent will evaluate the 406 Hazard Mitigation proposed by FEMA and determine if it's viable or if there are better proposal measures to provide Hazard Mitigation to the facility. In case of a change, the awarded proponent, in coordination with the UPR's representative, will prepare a Hazard Mitigation proposal for submission to FEMA for its corresponding approval.

5.1.6 The Awarded Proponent will work as a representative of the UPR during the development of the Project. The personnel designated by the Awarded Proponent to oversee the project must be authorized and licensed to exercise the professions of engineering and/or architecture in Puerto Rico and must be a bona fide member of the Professional College of Engineers and Land Surveyors of Puerto Rico or the Architects and Landscape Architects Association of Puerto Rico with the corresponding membership fee payment up to date.

- Please refer to **Appendix E** for a complete FEMA's SOW.

6. COST PROPOSAL

The proposal must be submitted in the Table Form stated in **Appendix D**.

7. REQUIRED DOCUMENTS FOR THE SUBMISSION OF THE PROPOSAL

General Instructions

The evaluation and selection of a Firm will be based on the information submitted in the proposal plus references and interviews/presentations, or demonstrations. Proposers should respond clearly and completely to all requirements. Failure to respond to each of the requirements in the RFP may be the basis for rejecting a proposal. The proponent must carefully examine the RFP documents. The submission of a proposal by a proponent will be considered evidence that it has met these requirements.

The proponent must understand that any study or information presented is provided in good faith, with the purpose of offering access to the same information that the

UPR obtained. Said information or studies must be supplemented by personal research and interpretation to be judged by the bidders. It is the responsibility of the proponents, not the UPR, any misinterpretation of the information presented.

Elaborate proposals (e.g., expensive artwork), beyond that sufficient to present a complete and effective proposal, are not necessary or desired.

Mandatory requirements, Proposal Preparation, and Submission

Professional services of a Design and Supervision companies or individuals with current license to practice engineering or architecture in Puerto Rico are required.

Before submitting the offer, the proponent should carefully examine the RFP or proposal form provided in the RFP documents. The proponent will be responsible for any errors or omissions in the offer. Proposals will be submitted in said form and shall be initialized and signed on each page provided for it, in accordance with the following:

- a. If the proponent is an individual, the offer will be signed with the individual's name and should indicate "Individually." The individual's physical and postal address, telephone and email will be included, also proposal number and title of this RFP.
 - i. If the proponent is an individual operating under the name of a firm, the offer will be signed by the individual. The proponent will include the name of the firm under which it operates (dba). The postal and physical address, email, telephone of the firm will be included, also bid number and title of this RFP.
- b. If the proposer is a professional services corporation (P.S.C.), a limited liability company (L.L.C) or a limited liability partnership (L.L.P), its offer will be signed by its president, secretary, or other authorized official, according to its corporate resolution in this regard. The seal of the corporation must be attached. The physical and postal address, email, telephone of the main office of the corporation will be included, also proposal number and title of this RFP.

The offer and the documents identified below will be address to the indicated contacts in Section 2 – CONTACT via email in digital PDF format.

Proposers responding to this RFP must comply with the following documents:

- Letter of Intent - (1-page limit): A transmittal letter, signed by an authorized representative of your organization, that states the acceptance of the Terms and Conditions of this RFP, providing the exact business name under which you propose to conduct business with the UPR, and your address, telephone, fax number, e-mail address and SAM Entity Identifier Number.
 - SAM registration and annual renewal is a contract requirement. Proponents in the process of registering and/or renewing their SAM can participate in this RFP, however, if SAM registration and/or

renewal process is not done by the time of award, your proposal may be rejected for not meeting federal procurement requirements

- Appendix A – Statement of the Bidder
- Appendix B – Required Federal Documents (Lobbying Certification, Non-Conflict of Interest Certification and Limited Denial of Participation Affidavit)
- Appendix D - Cost Proposal
- Cost Proposal Breakdown - Provide Cost Estimate Breakdown based in SOW provided in Appendix E.
- A color copy of the engineer's or architect's professional ID (Identificación de Colegiación) and a copy of the Department of State License.
- **Copy of initialized RFP and its Appendices.**

Request for Information (RFI)

An RFI or clarification shall be addressed by email to: uprrecovery.rfp@upr.edu on or before the date established in this document. No telephone inquiries will be allowed. After the established date, no further questions will be allowed.

8. UPR RESPONSIBILITIES

The University of Puerto Rico PR will provide for this RFP:

- All the information available that is considered necessary for the Project execution.

9. COMPENSATION FOR DESIGN AND SUPERVISION SERVICES AND PAYMENT METHOD

The UPR will pay **the Awarded Proponent only** for services rendered or provided to the satisfaction of the UPR. **The Awarded Proponent** will certify that it will submit invoices for services established in the contract and any other services approved in writing by the UPR.

For the performance of the DESIGN PHASE, **the Awarded Proponent** will prepare and deliver to the UPR the documents required for the phase within the time indicated in the basic itinerary agreed to between the parties. The design and bidding itinerary are based on a total of calendar days, beginning on the date of the written Notice to Proceed, and will be interrupted by the evaluation processes carried out by the UPR between each of the phases. Payments will be made after the UPR receives and approves in writing the documents required in the Design Phase, as indicated in the contract, based on a construction cost.

The Awarded Proponent must submit one (1) original and one (1) digital copy of the invoices to be certified by the President of the University of Puerto Rico or his authorized representative, in this case, the Director of the Office of Physical Infrastructure and Development at the University of Puerto Rico, Central

Administration (the "ODFI"). In addition, the Designer/Supervisor will send a copy by email to the Project Coordinator appointed by ODFI. Each invoice must be delivered physically to the ODFI during the first ten (10) calendar days of the following month in which the services were rendered. During the Design Phase, the invoices must detail the services provided or the activities carried out, accompanied by the required documents, and comply with the Basic Services requirements established in this contract.

During the SUPERVISION PHASE, the **Designer/Supervisor** must submit, along with the invoice, one (1) monthly report with the summary of activities carried out during that period in accordance with the Scope of Work established in the contract. The report must include photographs that show the project progress, minutes of the meetings with the contractors, an analysis of the current status of the Project, an evaluation of the quality of the execution, and recommendations, among other documents that the **Designer/Supervisor** considers relevant or important. The report with its corresponding invoice must also be delivered on a Universal Serial Bus (USB) and sent by email to the Project Coordinator appointed by the ODFI.

Payments for rendered services will be issued according to contract and within thirty (30) calendar days, beginning on the date on which the Director of the Office of Physical Infrastructure and Development at the University of Puerto Rico, Central Administration approves the work performed, and the invoices and documentation received meet all requirements.

10. PROPOSAL SCORING AND EVALUATION CRITERIA

Accepted proposals will be reviewed by the UPR and scored against the stated criteria. The committee may review references, request interviews/presentations, conduct demonstrations and/or conduct on-site visits. The resulting information will be used to score the proposals. The scoring will be tabulated, and the proposals ranked based on the numerical scores received.

The requested proposal will be known as **Design and Supervision Services** to be provided by established and experienced engineer's or architect's firms. The **Awarded Proponent** shall be a professional or technical team fully experienced in project designs, architectural and engineering concepts, site improvements and infrastructure strategies, building development and technology, cost estimates, administration, management, evaluation, project control (budget and schedule) accounting, technological reporting systems, construction quality control and processes. The proponent must also be well versed in Federal compliance, with a proven performance record. The UPR will only consider architectural and engineering firms with established and verifiable experience with at least two (2) years or more of experience, with projects sponsored and funded by FEMA, CDBG-DR program, and/or another Federal agency.

The UPR must comply with all applicable federal and state laws, regulations, executive orders, and policy. Consequently, the UPR will review the Proponent's

Proposal to determine overall responsiveness and completeness of the Proposal with respect to the components outlined in the RFP using the following evaluation criteria:

Executive Summary (5 points) – Refer to Appendix A Statement of the Bidder

- Provide a complete profile of your organization, mission, and vision statements. (5 points)

Experience and strategy in providing the services (25 points) – Refer to Appendix A Statement of the Bidder

- Describe the organization/company's experience and capabilities in providing similar services to those trades required. Be specific and detail no more than three projects/contracts: description of work, dates, locations, challenges, and results. (8 points)
- Indicated any experience in projects with FEMA grants. (2 points)
- Please indicate whether you have experience working with public or federal entities, and years of experience performing like services. (5 points)
- Provide specific examples of the services or tasks previously provided by the entity as considered in this RFP. (5 points)
- Detail your firm's understanding of the challenges and barriers for a project like this and proposed approach to overcoming these barriers. (3 points)
- Identify potential risk factors and methods for dealing with these factors. (2 points)

Team qualifications (25 points) – Refer to Appendix A Statement of the Bidder

- The Proponent should provide detailed information about the experience and qualifications of the Proponent's principals, project managers, key personnel, and staff to be assigned, including degrees, certifications, licenses, and years of relevant experience in terms of Federal Grants and/or FEMA. The Proponent shall specifically identify current employees who will serve as Key Personnel. This includes the Proponent's own staff and staff from any subcontractors to be used. The Proponent should demonstrate that its staff (and/or subcontractor's staff) meet the desirable requirements listed below and have necessary experience and knowledge to successfully implement and perform the tasks and services. (15 points)
- Attach resumes of personnel (or/and sub-contractors, if any) who will be providing the services. Consider the infrastructure trades specialists (engineering and/or architectural consultants) based on the trades applicable for the scope work for this project (10 points)
 - Full Completeness of Personnel/Trade specialist (mechanical, electrical, architectural, structural, civil) qualifications per trades based on SOW.

Proponent references (5 points) – Refer to Appendix A Statement of the Bidder

- Proponent must supply references of minimum three firms to which similar services have been provided within the past five years of a comparable sized

institution or company. If contacted, all references must verify a high level of satisfaction was provided. (5 points)

Cost Proposal Breakdown (5 points)

- Provide Cost Estimate Breakdown based in SOW provided in Appendix E (5 points)

Cost Proposal (25points) – Refer to Appendix D – Cost Proposal

- Proponent with lower proposal (25 points), all other proposals receive a percentage of the point available based on their cost relationship to the lowest with the following formula: $(\text{Lowest Cost Proposal} / (\text{Cost Proposal being evaluated})) \times \text{Total Cost Proposal Points}$. Final score will be rounded to the nearest whole number.

Cost Proposal % Fee for additional SOW (5 points) – Refer to Appendix D – Cost Proposal

- Proponent with lower % of fee for additional SOW (5 points)

Preference of 5 points for Section 3 Business Concern and MWBE

The UPR shall provide a preference of five (5) points in the evaluation criteria of the method of rating, for a greater participation of Section 3 Business Concern and M/WBE Registered Puerto Rico Business. The Proposer seeking the Section 3 preference must be able to demonstrate that they meet one of the following criteria:

- Percentage owned by Section 3 residents; or
- Has permanent, full time employees at least 30 percent of whom are currently Section 3 residents, or within three years of the date of first employment with the business concern were Section 3 residents; or
- Has subcontracted, or has a commitment to sub-contract, in excess of 25 percent of the total dollar award of all sub-contracts to be awarded to such businesses described above. You can locate the Section 3 or MWBE Policy document with all the related information of this topic available in English and Spanish on the PRDOH website.
 - <https://cdbg-dr.pr.gov/en/download/section-3-policy/>
 - <https://cdbg-dr.pr.gov/download/politica-sobre-seccion-3/>
 - <https://cdbg-dr.pr.gov/en/download/mwbe-policy>
 - <https://cdbg-dr.pr.gov/download/politica-mwbe/>
 - **Supporting evidence to substantiate Section 3 status can include; (i) Evidence of business ownership (e.g. Articles of Incorporation, By Laws, proof of 51% company ownership, Partnership Agreement); (ii) Evidence of employees of the business (e.g. roster of permanent full time employees, Section 3 Resident Self Certification Form for each employee who qualifies as newly hired Section Resident employee); (iii) Duly signed letter evidencing subcontracting at least 25% of the dollar amount.**

- Proposers seeking M/WBE preference **should provide a copy of their MWBE certification to evidence their status.**

TABLE - SUMMARY OF POINTS

Description	Points
Executive Summary	5
Experience and strategy in providing the services	25
Team qualifications	25
Proponent references	5
Cost Proposal Breakdown	5
Cost Proposal	25
Cost Proposal % Fee for additional SOW	5
Total	95
Section 3 Business concerns and MWBE	5
Total	100

11. FINAL EVALUATION

The UPR will review all Proposals submitted based on the proponent experience and execution of similar and complex projects. The Project will be awarded to firms that exceed the requirements of the RFP for the best value of overall services that surpass the UPR's interests and are in full compliance with FEMA and CDBG-DR procurement requirements.

12. PROJECT AWARD

ODFI's Director will provide oversight on all contractual matters between the UPR and the awarded firm, including final professional services fee compensation, contract's details, and compliance.

The UPR reserves the right to reject any or all proposals and to award the bid under the conditions it deems most advantageous to the interests of the University of Puerto Rico, regardless of the amount of the offer. It also reserves the right to award the proposal to more than one proponent, cancel the RFP and/or the award of the bid at any time before the signing of the corresponding contract. The submission of a response to an RFP does not represent an agreement of any kind between the UPR, and the proponent.

The UPR will award the bid in writing and will state the reasons it had for the award. The UPR has the right to cancel the process of RFP without notice at any time.

13. UPR DISCLAIMERS

By submitting a Proposal, the Proponent, on behalf of themselves and their Partners/Subconsultants acknowledges and agrees that:

13.1. Equal Employment Opportunity and Non-Discrimination

13.1.1. The awarded proponent and authorized subcontractors must comply with the Executive Order 11246 titled "Equal Employment Opportunity", as amended by Executive Order 11375, and as supplemented in Department of Labor regulations (41CFR Part 60). In addition, the awarded proponent will not discriminate on account of sex, gender, gender identity, sexual orientation, age, race, color, national origin or social condition, physical or mental impairment, political or religious beliefs, marital status, for being a victim or being perceived as a victim of domestic violence, physical or mental handicap or veteran status in any employment, contracting or subcontracting practices called for by this contract.

13.2. Conflict of Interest

13.2.1. The Proponent shall notify the UPR as soon as possible if this contract or any aspect related to the anticipated work under this contract raises an actual or potential conflict of interest (as defined at 2 C.F.R. Part 215 and 24 C.F.R. § 85.36 (2013) (or 84.42 (2013), if applicable). The Proponent shall explain the actual or potential conflict in writing in sufficient detail so that the UPR can assess it.

13.2.2. In the event of real or apparent conflicts of interest, the UPR reserves the right, in its best interest and at its sole discretion, to reject a proposal(s) outright or to impose additional conditions upon Proponents. The Proponent shall accept any reasonable conflict mitigation strategy employed by the UPR, including but not limited to the use of an independent subcontractor(s) to perform the portion of work that gives rise to the actual or potential conflict. The UPR reserves the right to cancel any contract awarded pursuant to this RFP with 30 days' notice if an actual conflict of interest, or the appearance of such conflict, is not cured to UPR's satisfaction.

13.3. Proponent's Error and Omissions

13.3.1. The UPR reserves the right to reject a submission that contains an error or omission. The UPR also reserves the right to request correction of any errors or omissions and/or to request any clarification or additional information from any Proponent, without opening clarifications for all Proponents. Proponents will be provided a reasonable period in which to submit written responses to UPR's requests for clarification or additional information. Proponents shall respond by the deadline stated in the correspondence.

13.4. Proponent's Expenses

13.4.1. Proponents are solely responsible for their own expenses in preparing a Proposal and for subsequent negotiations with the UPR, if any. The UPR will not be liable to any Respondent for any claims, costs, or damages incurred by the Proponent in preparing the Proposal, loss of anticipated profit in connection with any final Agreement, or any other matter whatsoever.

13.5. Selection of proposal in best interest of the UPR

13.5.1. Notwithstanding the selection criteria set forth in the RFP, if determined by the UPR to be in its best interest, the UPR reserves the right to request further

information, negotiation, and select a Proposal(s) that, in its sole judgment, is consistent with, and responsive to the goals of its recovery plan, irrespective of whether it is the apparent lowest-priced Proposal.

13.6. Number of Awards

13.6.1. At the sole discretion of the UPR and based upon the breadth and experience of Proponent to this RFP, or other factors considered in its best interests, the UPR may award contracts to more than one proponent and award any vendor one or more steps or task orders per contract. In such case, proponents acknowledge and accept that UPR reserves the right, in its absolute discretion, to further negotiate the terms and conditions of their Proposals and to withdraw an award(s) if an agreement acceptable to the UPR is not reached, notwithstanding the Proponents' submission of Best and Final Offers ("BAFOs").

13.7. Withdrawal Proposals

13.7.1. A proponent may withdraw a Proposal at any time up to the date and time that the contract is awarded. The withdrawal must be submitted in writing to the RFP Coordinator. Absent a full withdrawal, Proponent must certify in the transmittal letter that its Proposal, including the submitted cost proposal and pricing, will be valid for one hundred twenty (120) days from UPR's receipt.

13.8. SAM Registration

13.8.1. SAM registration and annual renewal is a contract requirement. Proponents in the process of registering and/or renewing their SAM can participate in this RFP, however, if SAM registration and/or renewal process is not done by the time of award, your proposal may be rejected for not meeting federal procurement requirements.

13.9. Contract Negotiations/No obligation to Contract/Rejection of Proposals/Cancellation of RFP

13.9.1. The selection of any proposal for contract negotiation shall not imply acceptance by the UPR of all terms of the proposal, which may be subject to further negotiation and approvals before the UPR may be legally bound thereby.

13.9.2. Issuance of this RFP does not constitute a commitment by the UPR to award a contract. None of the participants in this RFP process have any acquired proprietary rights. The execution of a contract will be subject to government contracting process, all approvals required by law, including the FOMB if applicable. The UPR will not have any binding obligation, duties, or commitments to the Selected Proponent(s) until and unless a contract has been duly executed and delivered by the UPR after approval by the President. If the UPR is unable to negotiate a mutually satisfactory agreement with the Selected Proponent(s), it may, in its sole discretion, negotiate with the next highest-ranked Proponent(s) or cancel and reissue a new RFP. The

UPR reserves the right to accept or reject, in whole or in part, all Proposals submitted and/or cancel this RFP and/or reissue this RFP or another version of it, at any time prior to the execution of a contract, if it determines, in its absolute discretion, that doing so is in its best interests. If any or all proposals are rejected, the UPR reserves the right to re-solicit proposals.

13.9.3. There is no guarantee of a minimal amount of work or compensation for any of the selected proponent selected for contract negotiations.

13.10. Ownership of Proposals

13.10.1. All documents, including Proposals submitted to the UPR, become the property of the UPR. Selection or rejection of a Proposal does not affect this provision.

13.11. Confidentiality of Proposals

13.11.1. The UPR shall have no obligation to treat any information submitted in connection with a Proposal as proprietary or confidential unless (i) the Proponent so identifies such information in its Proposal as proprietary or confidential, and (ii) the UPR determines that the information is proprietary or a trade secret and legitimately requires such treatment or that it must otherwise be protected from publication according to law. The UPR obligations with respect to protection and disclosure of such information shall always be subject to applicable law. If the Proponent desires to identify any information in its Proposal as proprietary or confidential, it shall limit such designation to only those particular portions of the Proposal that actually constitute proprietary information, trade secrets, or other confidential matters or data. Identification of the entire Proposal or entire sections of the Proposal or other overly broad designations as confidential or proprietary are strongly discouraged and may result in the Proposal being deemed unresponsive. The UPR shall have the right to use all portions of the Proposal, other than those portions identified and marked as confidential or proprietary, as it considers necessary or desirable in connection with this RFP; and, by the submission of the Proposal, the Proponent thereby grants to the UPR an unrestricted license to use such unrestricted portions of the Proposal.

13.12. Collection and Use of Personal Information

13.12.1. Proponents are solely responsible for familiarizing themselves and ensuring that they comply with the laws applicable to the collection and dissemination of information, including résumés and other personal information concerning employees and employees of any subcontractors. If this RFP requires Respondents to provide the UPR with personal information of employees who have been included as resources in Proposal to this RFP, Proponents will ensure that they have obtained written consent from each of those employees before forwarding such personal information to the UPR. Such written consents are to specify that the personal information may be

forwarded to the UPR for the purposes of responding to this RFP and use by the UPR for the purposes set out in the RFP. The UPR may, at any time, request the original consents or copies of the original consents from Respondents, and upon such request being made, Respondents will immediately supply such originals or copies to the UPR.

13.13. RFP and Proposal as Part of Agreement

13.13.1. This RFP, as well as any related solicitation documents such as Addenda and Questions & Answers, and the selected Proponent's Proposal will become part of any contract between the UPR and the Respondent. If the terms of the RFP and related documents or Proposal conflict with the contract, the contract terms shall control.

13.14. Non-Assignment

13.14.1. The successful proponent obligation under the contract shall not be assigned or transferred to any other person, firm, or corporation without the prior written consent of the UPR.

13.15. Causes for Disqualification

13.15.1. Failure to submit the proposal on or before the date and time deadline indicated in this RFP.

13.15.2. Failure to submit a fully completed proposal may be deemed nonresponsive.

13.15.3. Failure to submit appendix, form, certification, or required document may be ground for disqualification.

13.15.4. Any unauthorized ex-parte communication with UPR officials, employees, consultants or advisers, or any other unauthorized person, regarding this Project may be ground for disqualification.

13.16. No Bid

13.16.1. Proponents, that for any circumstances decide not to participate in this RFP process, must notify the UPR by email the intention to not submit.

13.17. Sub-Contracts or Consultants of the Awarded Proponent

13.17.1. All federal and state law and regulations requirements apply to sub-contractors. The awarded proponent shall require all subcontractors to flow down the PRDOH's Conditions, as well as termination for convenience of the PRDOH, to all subcontractors as well as the requirement to flow down such terms to all lower-tiered subcontractors. These Conditions include required terms for project contracts, HUD General Provisions, Participation by Minority Group Members and Women Requirements and Procedures for Contracts with Housing Trust Fund Corporation, Standard Clauses for Contracts with the PRDOH, and required diversity forms. The UPR reserves the right to request the

removal of any personnel, consultant, or employee from the project at any time or reason it deems appropriate.

14. REQUIRED DOCUMENTS FOR THE SIGNING OF THE CONTRACT

In addition of the above requirements, it is required that **before** the signing of the contract, the **successful proponent** provides all the documents listed below:

- 1. Certificate of Ethics (will be provided)
- 2. Authorization Form for Electronic Payment (will be provided)
- 3. Provide a Unique Entity Identifier (UEI) number; be registered and active in the System for Award Management SAM.GOV.
- 4. Section 3 Plan - [Click on link](#)
- 5. MWBE Utilization Plan - [Click on link](#)
- 6. Policies and Insurances – See **Appendix c**
- 7. Government ID, a color copy of the engineer's or architect's professional ID (*identificación de colegiación*) and a copy of the Department of State License to practice the profession.
- 8. Legal Entity Certification - Circular Letter No. 013-2021 of the Management and Budget Office (OGP). (Will be provided)
- 9. Eligibility Certification of the Unique Registry of Professional Service Providers (RUP) from the General Services Administration (ASG) may be accepted. If proponent doesn't have a valid RUP, **provide** the following documents:
 - Certificate of Good Standing from the State Department.
 - Department of State Certificate of Incorporation.
 - Corporate Resolution with Corporate's Seal authorizing Corporation's representative to sign the contract.
 - Debt Certification issued by Department of the Treasury, Form SC 6096, Rev. 24-Feb-2020. In case of debt, submit official Department of Treasury document which certifies that you are under a payment plan that is being fully complied with.
 - Certification of Filing of Income Tax Forms for the last five (5) years issued by the Department of Finance. Form SC 6088, Rev. 24-Feb-2020 (If there is no information because the Corporation has recently been incorporated, you must include an affidavit expressing such a situation.)
 - If the filing certification of payrolls does not register the filing corresponding to the year 2022, present a punched copy by the Treasury of the first sheet of the filed return.
 - Certificate of No Debt of the Municipal Revenue Collection Center (CRIM) for all concepts.
 - If there is debt, you must submit an official CRIM document evidencing a payment plan. If the Cert. of Filing of Movable Property Forms is negative, an Affidavit is required.

- Certificate of No Debt of the CRIM of Real Estate of the Corporation. If there is debt, you must submit an official CRIM document evidencing a payment plan that is being fully complied with.
- Certification of Insurance for Unemployment, Temporary Disability, issued by the Department of Labor and Human Resources.
- Social Security Certification for Drivers, issued by the Department of Labor and Human Resources.
- Negative certification from ASUME that the Corporation does not owe payments to ASUME, from which it has withheld its employees, or negative certification ordering withholding.
- Merchant Registration Certification (IVU) Filing of Monthly Forms of IVU – Model SC 2942 A.
- Municipal Patent Certification.
- Affidavit – Law 2, January 4, 2018.

END OF DOCUMENT

15. APPENDIX A

STATEMENT OF THE BIDDER

UNIVERSITY OF PUERTO RICO BOARD OF AWARD STATEMENT OF THE BIDDER FOR CONTRACTORS

BUSINESS AND TECHNICAL ORGANIZATION.

Bidder may use additional space to complete required information.

I. PERMANENT PLACE OF BUSINESS

A. Name of Bidder: _____

B. Mailing Address: _____

C. City and Zip Code: _____

D. Physical Address: _____

E. City and Zip Code: _____

F. Telephone No: _____

G. E-Mail: _____

II. PROPOSER REFERENCES - LIST BELOW SIMILAR CONTRACTS EXECUTED.

Proposer must supply references of minimum three firms to which similar services have been provided within the past five years of a comparable sized institution or company.

No.	Client Name, Contact Person and telephone	Location	Type of Work (Description of the services provided, include any similar services to the herein required)	Contract Amount	Completion Date	Funding Resource (private, state, or federal)
1						
2						
3						
4						
5						

III. LIST BELOW CONTRACTS IN HAND

No.	Name Contact Person and Telephone	Type of Work	Contract Price	% Completed
1				
2				
3				
4				
5				

IV. EXECUTIVE SUMMARY

Provide a profile of your organization, mission, and vision statements and organizational chart.

V. EXPERIENCE DESCRIPTION AND STRATEGY IN PROVIDING THE SERVICES

VI. TEAM QUALIFICATIONS - The Proponent should provide detailed information about the experience and qualifications of the Proponent's principals, project managers, key personnel, and staff to be assigned, including degrees, certifications, licenses, and years of relevant experience in terms of Federal Grants and/or FEMA. The Proponent shall specifically identify current employees who will serve as Key Personnel. This includes the Proponent's own staff and staff from any subcontractors to be used. The Proponent should demonstrate that its staff (and/or subcontractor's staff) meet the desirable requirements listed below and have necessary experience and knowledge to successfully implement and perform the tasks and services. Attach resumes of personnel (or/and sub-contractors, if any) who will be providing the services.

Consider the infrastructure trades specialists (engineering and/or architectural consultants) based on the trades applicable for the scope work for this project. Full Completeness of Personnel/Trade specialist (mechanical, electrical, architectural, structural, civil) qualifications per trades based on SOW.

I, _____(Representative's Name)_____ of _____(Name of Organization)_____ certified that the answer to this foregoing questions and all statement therein contained are true and correct.

Authorized representative signature

Date

16. **APPENDIX B:** **REQUIRED FEDERAL DOCUMENTS**

In compliance with federal regulations, **all bidders** must submit the following documents with their tender documents:

1. Lobbying Certification (Use attached model below)
2. Non-Conflict of Interest Certification on Existing or Pending Contracts. (Use attached model below)
3. Limited Denial of Participation (LDP)/Suspension or Debarment Status Affidavit. (Use attached model below)

A bidder who omits any of the required documents may be disqualified.



1. LOBBYING CERTIFICATION
RFP #DRO 23-021 / 04632, 09520, 10170, 04884, 06024

Certification for Contracts, Grants, Loans, and Cooperative Agreements

The undersigned certifies, to the best of his or her knowledge and belief, that:

- (1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form LLL, "Disclosure of Lobbying Activities," in accordance with its instructions.
- (3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$11,000 and not more than \$110,000 for each such failure.

Please check appropriate box:

No nonfederal funds have been used or are planned to be used for lobbying in connection with this application/award/contract.

or

Attached is Standard Form LLL, "Disclosure of Lobbying Activities," which describes the use (past or planned) of nonfederal funds for lobbying in connection with this application/award/contract.

Executed this ____ day of _____, 20_____

by _____
(Type or Print Name)

(Title of Executing Official)

(Signature of Executing Official)

(Name of organization/applicant)

Initials _____



2. NON-CONFLICT OF INTEREST
CERTIFICATION ON EXISTING OR PENDING CONTRACTS
Request for Proposal (RFP)
Design and Supervision Services
Community Development Block Grant – Disaster Recovery
Universidad de Puerto Rico
RFP #DRO 23-021 / 04632, 09520, 10170, 04884, 06024

I, _____, of legal age, of marital status (married/single), and a resident of _____, have been designated as the authorized representative of _____ (“the Proposer”) for the **Design and Supervision Services / RFP# DRO 23-021 / 04632, 09520, 10170, 04884, 06024** procurement process (“Procurement Process”). In such regard, I hereby certify that:

1. There are no relevant facts or circumstances that could give rise to an organizational or personal conflict of interest for the Proposer or its staff with respect to the Procurement Process with the Procuring Entity. Nonetheless, the Proposer recognizes that situations may arise that may appear to be, or are, conflicts -or potential conflicts- of interest. The term “potential conflict” means reasonably foreseeable conflict of interest.
2. The Proposer will disclose to the Procuring Entity any relevant information of an apparent, potential, or actual conflict of interest that may appear to exist regardless of their opinion that such information would not impair their objectivity.
3. As per 2 C.F.R. § 200.318(c)(1), a conflict of interest would arise when “the employee, officer, or agent, any member of his or her immediate family, his or her partner, or an organization which employs or is about to employ any of the parties indicated herein, has a financial or other interest in or a tangible personal benefit from a firm considered for a contract”. Therefore, I understand that conflicts of interests may arise in, but not limited to, the following situations:
 - a) **Unequal access to information.** A potential contractor, subcontractor, employee, or consultant has access to non-public information through its performance on a government contract for disaster recovery services in Puerto Rico.
 - b) **Biased ground rules.** A potential contractor, subcontractor, employee, or consultant has worked with a government contract or program with the basic structure or ground rules of another government contract for disaster recovery services in Puerto Rico.
 - c) **Impaired objectivity.** A potential contractor, subcontractor, employee, or consultant, or member of their immediate family (spouse, parent, or child) has financial interests, or others, that would impair, or give the appearance of impairing, impartial judgment in

Initials _____

the evaluation of government programs in offering advice or recommendations to the government, or in providing technical assistance or other services to recipients of Federal funds as part of its contractual responsibility.

4. In the case in which the Proposer discloses to the Procuring Entity an apparent, potential, or actual conflict of interest, the Procuring Entity will take the appropriate measures to address the disclosure by taking the following actions, which include but are not limited to, eliminating, mitigating or neutralizing the apparent, potential or actual conflict, when appropriate, through such means as ensuring a balance of views, disclosure with the appropriate disclaimers, or by restricting or modifying the work to be performed to avoid or reduce the apparent, potential, or actual conflict.
5. If an apparent, potential, or actual conflict of interest is discovered by the Proposer after the Procurement Process concludes, it will make a full disclosure in writing to the contracting officer. This disclosure shall include a description of actions that the Proposer has taken or proposes to take to avoid, mitigate, or neutralize the apparent, potential, or actual conflict of interest.
6. The Proposer has no present or currently planned interests (financial, contractual, organizational, or otherwise) relating to the contract or task order that may result from this Procurement Process that would create any apparent, actual, or potential conflict of interest (including conflicts of interest for immediate family members: spouses, parents, children) that would impinge on its ability to render impartial, technically sound, and objective assistance or advice or result in it being given an unfair competitive advantage.
7. The Proposer has exercised, and will continue to exercise, due diligence in avoiding, identifying, removing or mitigating any apparent, potential or actual conflicts of interests to the Procuring Entity's satisfaction.

Signature of Proposer's Authorized Representative

Date

Printed Name of Proposer's Authorized Representative

Initials _____



**3. LIMITED DENIAL OF PARTICIPATION (LDP)/SUSPENSION OR DEBARMENT STATUS
AFFIDAVIT**

**Request for Proposal (RFP)
Design and Supervision Services
Community Development Block Grant – Disaster Recovery
Universidad de Puerto Rico
RFP #DRO 23-021 /04632, 09520, 10170, 04884, 06024**

By signing this Certification, the Proposer certifies that the firm, business, or person submitting the Statement of Qualifications, Proposal, Bid, or Quote has not been LDP, suspended, debarred or otherwise lawfully precluded from participating in any public procurement activity with any Federal, State or local government. Signing this Certification without disclosing all pertinent information about a debarment or suspension shall result in rejection of the proposal or cancellation of a contract. The **University of Puerto Rico** also may exercise any other remedy available by law.

In _____, ____ this ____ day of _____ of 20____.

(Name of Entity)

(Authorized Representative)

(Printed Name of Authorized)

(Position)

Affidavit No. _____

Subscribed and sworn to before me in the city of _____, _____, this _____ day of _____, 20____, by _____ of legal age, _____ (civil status), _____ (occupation) and resident of _____, _____, in his/her capacity as _____ of Proposer, who I personally known or have identified by his/her _____.

Public Notary

Initials _____

17. APPENDIX C

POLICIES AND INSURANCE

Required Insurance for the project

RFP #DRO 23-021 / 04632, 09520, 10170, 04884, 06024

Las cubiertas requeridas deben ser endosadas a favor de la Universidad de Puerto Rico.

- (-- Bid Bond (5% de lo cotizado)
- (-- Performance & Payment Bond (100% de lo cotizado)
- (X) Workmen’s Compensation (Corp. del Fondo del Seguro del Estado)
- (X) Commercial General Liability (C.G.L.), including Employers Liability & Products Liability
Limits – Combined Single Limit of \$1,000,000
Including the following endorsements:
 - (X) Hold Harmless Agreement
 - (X) Additional Insured
 - (X) Thirty (30) days cancellation notice
 - (X) Waiver of Subrogation
- (X) Auto
Limits – Combined Single Limit of \$500,000
- (-- Owners & Contractors Protective Liability (in the name of the University of Puerto Rico – same limits as C.G.L.)
- (-- Installation &/or Transportation Floater (if needed)
- (-- Builder’s Risk
- (-- Pollution
- (X) Errors & Omissions / Professional Liability – Limits \$1,000,000

Para todo proyecto cuyo financiamiento considere fondos CDBG-DR, los endosos deberán incluir a las siguientes entidades:

Puerto Rico Department of Housing PO Box 21365 San Juan, PR 00928-1365	Gobierno de Puerto Rico PO Box 9020082 San Juan, PR 00902-0082	US Department of Housing and Urban Development (HUD) 451 7 th Street S.W Washington, DC 20410
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18. **APPENDIX D** **COST PROPOSAL**

COST PROPOSAL

University of Puerto Rico

**RE: Reconditioning of UPR Bayamon, UPR Cayey and UPR Humacao facilities,
University of Puerto Rico,
RFP #DRO 23-021 / 04632, 09520, 10170, 04884, 06024.**

***WORKS TO BE SUBJECT OF FEDERAL FUNDS REIMBURSEMENT**

COST PROPOSAL			
#04632 – UPR Bayamón (002 Biblioteca – 004 Centro de Estudiantes y Administración - 091 Edificio B – 092 Edificio de Biología)			
Estimated Construction Cost for the proposed development: \$_____			
Professional design and supervision fees have been computed based on the estimated construction cost mention above:			
PHASE	TIME	FEE	% FEE for Additional SOW
Schematic design	____ days	\$	N/A
Preliminary design	____ days	\$	N/A
Construction Documents	____ days	\$	N/A
Bidding and Negotiation	N/A	\$	N/A
Design Subtotal:		\$	N/A
Supervision	_____ months x \$_____ monthly	\$	N/A
Design Phase and Supervision Subtotal:		\$	N/A
Additional Services			N/A
<ul style="list-style-type: none"> • Permit Management • Including lead and asbestos remediation permits and/or certificates in buildings prior to 1990. 	N/A	\$	N/A
•	N/A	\$	N/A

Initials _____

•	N/A	\$	N/A
*Reimbursable Expenses: For fees, stamps, and filing costs related to endorsements and permits from permit regulatory offices.	N/A	\$	N/A
_____ (\$ _____) Write the total amount in words and numbers			Additional SOW Fee % _____ (Design subtotal + Supervision) / Estimated Cost

The UPR reserves the right to award the following **alternate**:

Alternate 1 – (Additive) Description: **design and supervision of #04632-UPR Bayamón**

COST PROPOSAL – <u>Additive Alternate 1</u>			
#04632 – UPR Bayamón (Edificio 300)			
Estimated Construction Cost for the proposed development: \$_____			
Professional design and supervision fees have been computed based on the estimated construction cost mention above:			
PHASE	TIME	FEE	% FEE for Additional SOW
Schematic design	___ days	\$	N/A
Preliminary design	___ days	\$	N/A
Construction Documents	___ days	\$	N/A
Bidding and Negotiation	N/A	\$	N/A
Design Subtotal:		\$	N/A
Supervision	___ months x \$_____ monthly	\$	N/A

Initials _____

Design Phase and Supervision Subtotal:		\$	N/A
Additional Services			N/A
<ul style="list-style-type: none"> • Permit Management • Including lead and asbestos remediation permits and/or certificates in buildings prior to 1990. 	N/A	\$	N/A
•	N/A	\$	N/A
•	N/A	\$	N/A
Reimbursable Expenses*: For fees, stamps, and filing costs related to endorsements and permits from permit regulatory offices.	N/A	\$	N/A
_____ (\$ _____) Write the total amount in words and numbers			Additional SOW Fee % _____ (Design subtotal + Supervision) / Estimated Cost

COST PROPOSAL			
#9520 – UPR Cayey (Building 176 Centro de Estudiantes)			
Estimated Construction Cost for the proposed development: \$ _____			
Professional design and supervision fees have been computed based on the estimated construction cost mention above:			
PHASE	TIME	FEE	% FEE for Additional SOW
Schematic design	____ days	\$	N/A
Preliminary design	____ days	\$	N/A

Construction Documents	___ days	\$	N/A
Bidding and Negotiation	N/A	\$	N/A
Design Subtotal:		\$	N/A
Supervision	___ months x \$___ monthly	\$	N/A
Design Phase and Supervision Subtotal:		\$	N/A
Additional Services			N/A
<ul style="list-style-type: none"> • Permit Management • Including lead and asbestos remediation permits and/or certificates in buildings prior to 1990. 	N/A	\$	N/A
•	N/A	\$	N/A
•	N/A	\$	N/A
Reimbursable Expenses*: For fees, stamps, and filing costs related to endorsements and permits from permit regulatory offices.	N/A	\$	N/A
_____ (\$ _____) Write the total amount in words and numbers			Additional SOW Fee %_____ (Design subtotal + Supervision) / Estimated Cost

COST PROPOSAL
#10170 – UPR Cayey
(Edificio Miguel Meléndez Muñoz, Edificio Arturo Morales Carrión, Gimnasio)
Estimated Construction Cost for the proposed development: \$_____

Professional design and supervision fees have been computed based on the estimated construction cost mention above:			
PHASE	TIME	FEE	% FEE for Additional SOW
Schematic design	___ days	\$	N/A
Preliminary design	___ days	\$	N/A
Construction Documents	___ days	\$	N/A
Bidding and Negotiation	N/A	\$	N/A
Design Subtotal:		\$	N/A
Supervision	___ months x \$_____ monthly	\$	N/A
Design Phase and Supervision Subtotal:		\$	N/A
Additional Services			N/A
<ul style="list-style-type: none"> • Permit Management • Including lead and asbestos remediation permits and/or certificates in buildings prior to 1990. 	N/A	\$	N/A
•	N/A	\$	N/A
•	N/A	\$	N/A
Reimbursable Expenses*: For fees, stamps, and filing costs related to endorsements and permits from permit regulatory offices.	N/A	\$	N/A
_____ (\$ _____) Write the total amount in words and numbers			Additional SOW Fee % _____ (Design subtotal + Supervision) / Estimated Cost

COST PROPOSAL			
#04884 – UPR Humacao			
(Edificio Nuevo Arte – Edificio de Recursos Físico)			
Estimated Construction Cost for the proposed development: \$_____			
Professional design and supervision fees have been computed based on the estimated construction cost mention above:			
PHASE	TIME	FEE	% FEE for Additional SOW
Schematic design	___ days	\$	N/A
Preliminary design	___ days	\$	N/A
Construction Documents	___ days	\$	N/A
Bidding and Negotiation	N/A	\$	N/A
Design Subtotal:		\$	N/A
Supervision	__ months x \$_____ monthly	\$	N/A
Design Phase and Supervision Subtotal:		\$	N/A
Additional Services			N/A
<ul style="list-style-type: none"> • Permit Management • Including lead and asbestos remediation permits and/or certificates in buildings prior to 1990. 	N/A	\$	N/A
•	N/A	\$	N/A
•	N/A	\$	N/A
Reimbursable Expenses*: For fees, stamps, and filing costs related to endorsements and permits from permit regulatory offices.	N/A	\$	N/A

<p style="text-align: right;">_____ (\$ _____)</p> <p>Write the total amount in words and numbers</p>	<p>Additional SOW Fee % _____ (Design subtotal + Supervision) / Estimated Cost</p>
---	--

COST PROPOSAL

#06024 – UPR Humacao
(Edificio Servicios al Estudiante – Centro de Estudiantes – Cafetería – Edificio de Enfermería)

Estimated Construction Cost for the proposed development: \$ _____

Professional design and supervision fees have been computed based on the estimated construction cost mention above:

PHASE	TIME	FEE	% FEE for Additional SOW
Schematic design	___ days	\$	N/A
Preliminary design	___ days	\$	N/A
Construction Documents	___ days	\$	N/A
Bidding and Negotiation	N/A	\$	N/A
Design Subtotal:		\$	N/A
Supervision	___ months x \$ _____ monthly	\$	N/A
Design Phase and Supervision Subtotal:		\$	N/A
Additional Services			N/A
<ul style="list-style-type: none"> • Permit Management • Including lead and asbestos remediation permits and/or certificates in buildings prior to 1990. 	N/A	\$	N/A
•	N/A	\$	N/A
•	N/A	\$	N/A

Reimbursable Expenses*: For fees, stamps, and filing costs related to endorsements and permits from permit regulatory offices.	N/A	\$	N/A
_____ (\$ _____) Write the total amount in words and numbers			Additional SOW Fee % _____ (Design subtotal + Supervision) / Estimated Cost

Fees for additional professional services will be calculated using the % Fee design for services (Design subtotal + Supervision) / Estimated Cost included on the right column of Cost Proposal table above and/or hours-based rate described below

Fees for Professional Services	
	Fee per hour

The bidder understands that the Owner reserves the right to reject any or all bids and to waive any informality in the bidding.

Dated: _____ day of _____ 20____.

Firm Name:	
Signed by:	_____ (Sign it in ink)
Name:	
Title:	
Employers Social Security:	

Initials _____

Mail Address:	
Physical Address:	
Phone Number:	
Fax Number:	
E-mail:	

Seal (if Bidder is a Corporation)

19. **APPENDIX E**

SCOPE OF WORK

I. GENERAL DATA OF THE PROJECT:

Campus: UPR Bayamon

4632:

DI: 250407	Building 002 Biblioteca
DI: 250426	Building 004 Centro de Estudiantes y Administración
DI: 250429	Building 091 Edificio B
DI: 250432	Building 092 Edificio de Biología
DI: 250722	Building 300 (Alternate Additive Cost Proposal)

Campus: UPR Cayey

9520:

DI: 153067	Building 176 Centro de Cuidado Diurno
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#: 10170

DI: 153053	Building 136 Edificio Miguel Melendez Muñoz
DI: 153059	Building 152 Edificio Arturo Morales Carrion
DI: 153064	Building 173 Gimnasio

Campus: UPR Humacao

04884:

DI: 252384	Building 004 Edificio Nuevo Arte
DI: 252549	Building 026 Oficina de Recurso Físico

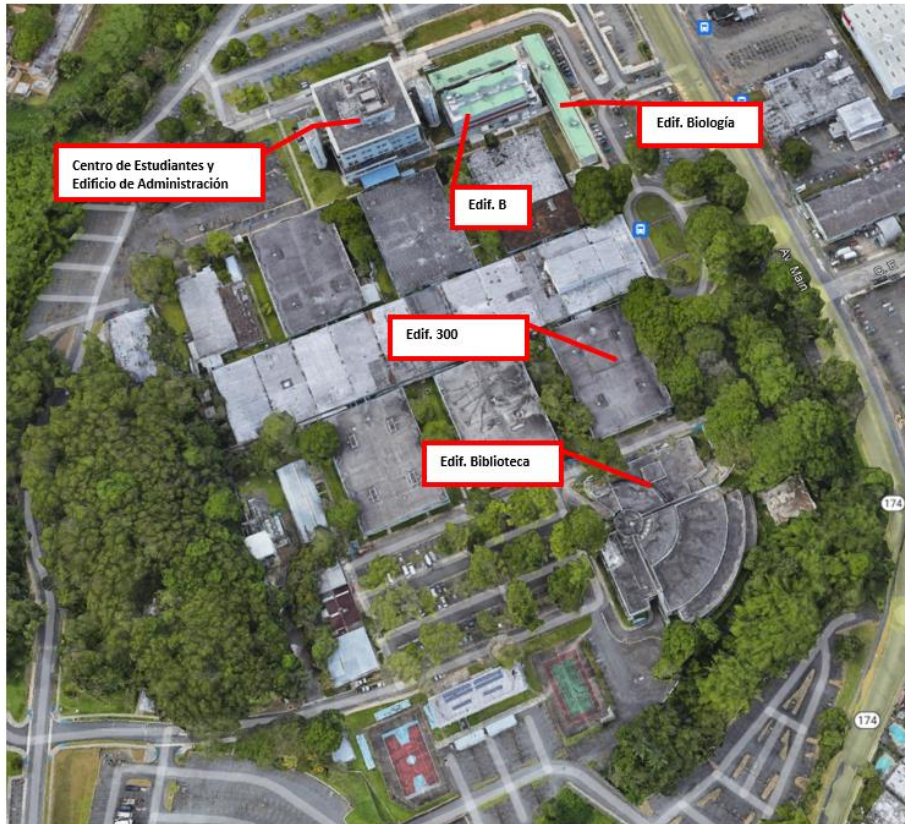
06024:

DI: 252500	Building 008 Edificio Servicios al Estudiante
DI: 252501	Building 009 Centro de Estudiantes y Cafetería
DI: 252502	Building 010 Edificio de Enfermería

II. PROJECTS DESCRIPTION, LOCATION PLAN AND SCOPES:

a. PW 04632 - UPR BAYAMON

i. LOCATION PLAN



ii. DESCRIPTION

1. Building 002 Biblioteca

The building is a 49,225 SF, site cast, three story reinforced concrete building with a reinforced concrete roof with a bituminous built-up roof system and architectural protective walls for 43,600 SF of roof. The interior includes reinforced concrete bearing walls with a reinforced concrete floor slab on grade with variation on floor elevations. Interior finishes generally consist of suspended acoustic ceiling, painted concrete or drywall walls, and vinyl tile, carpet, and terrazzo tile flooring. This facility was in operation during the time of the event.

2. Building 004 Centro de Estudiantes y Administración

The building is a site cast, reinforced concrete building with a reinforced concrete roof and a combination of ribbed metal panels and mesh reinforced elastomeric coating (MRCE) membrane system with a four foot roof overhang. The main roof that includes a two story penthouse for 18,326 SF of roof. The exterior of the building is mostly 1/4 IN plaster

covering concrete and glass windows. There are two 5 story spiral stairwells (1,900 SF per floor) located on the east and west side of the main building. The interior includes reinforced concrete bearing walls with a reinforced concrete floor slab on grade. Interior finishes generally consist of suspended acoustic ceiling, painted concrete or drywall and vinyl floor tile. This facility was in operation at the time of the event.

3. Building 091 Edificio B

The building is a site cast, reinforced concrete building with a Thermoplastic Single-Ply roof system. The construction includes reinforced concrete load bearing walls and reinforced concrete slab on grade. Interior finishes generally consist of exposed concrete walls and concrete floors. This facility was in operation at the time of the event.

4. Building 092 Biología

The building is a site cast, reinforced exposed concrete building with a Thermoplastic Single-Ply roof system which is approximately 8,444 SF. The interior includes reinforced concrete bearing walls with a reinforced concrete floor slab on grade. Interior finishes generally consist of exposed concrete and epoxy coated concrete floor. This facility was in operation at the time of the event.

5. Building 300 (Alternate Cost Proposal)

The building is a single story steel column and beam main structure with plastered concrete masonry units and low walls with fixed glass curtain wall. The roof includes steel joists, purlins and metal deck with a three foot overhang and a bituminous built-up roof system. The interior includes drywall partitions and a reinforced concrete slab on grade. Interior finishes generally consist of suspended acoustic ceiling, painted concrete or drywall and asbestos vinyl composite floor tiles. This facility was in operation at the time of the event.

iii. SCOPE OF WORK- FEMA

BUILDING 002 – BIBLIOTECA	
PA Works	
{02-041} First Floor Room 102 (15 FT x 28FT + 10 FT x 13 FT):	
1	Remove and replace 4 SF of VCT tile.
{00-001} Building Envelope:	
1	Repair, 100 SF of wall, plaster.
2	Repair, overhang, concrete (cracks), 10 LF long.
3	Remove and replace, 2 electrical outlets, GFI 2 IN X 4 IN.
4	Remove and replace, 2 doors, 1/8 IN steel sheet, painted, 3 FT X 7 FT.
5	Remove and replace, 8 lights, LED photocell, wall mount, 150W.
6	Remove and replace, 30 lights, 6-IN cylindrical LED, surface mount.

7	Remove and replace, 8 lights, wall mounted, 200 watts.
8	Remove and replace, window seal gasket, 4,254 LF long.
{00-002} Roofing System:	
1	Remove 43,600 SF of BUR, modified bitumen roof with granular surface and Replace with SBS Modified bitumen. Scope Note: Some quantities may vary from the DDD due to Best Engineering Practices and Method of Repair.
2	Remove and replace, 1060 SF of roof flashing, 26 gauge, 12 IN. Scope Note: Some quantities may vary from the DDD due to Best Engineering Practices and Method of Repair.
{00-003} General:	
1	Prepare and paint, 39,774 SF of building exterior.
{00-004} General:	
1	Prepare and paint, 39,774 SF of building interior.
{00-005} Room 301 Sala de Revistas (13 FT X 35 FT):	
1	Remove and replace, 54 SF of wall, 5/8 IN thick drywall.
{00-006} Room 302 Sala de Revistas Section 2 (48 FT X 67 FT):	
1	Remove and replace, 1 recessed light fixture, 2 FT X 4 FT fluorescent, 4 tube.
2	Remove and replace, 84 SF of wall, 5/8 IN thick drywall.
{00-007} Room 303 Sala de Estudios y Colección Puertorriqueña (45 FT X 50 FT):	
1	Remove and replace, 60 SF of wall, 5/8 IN thick drywall.
{00-008} Room 304 Oficina (12 FT X 36 FT):	
1	Remove and replace, 20 SF of wall, 5/8 IN thick drywall.
{00-009} Hallway (20 FT X 84 FT):	
1	Replace, 420 SF of suspended ceiling acoustic tiles, 2 FR X 4 FT.
2	Remove and replace, 4 IN vinyl baseboard, 208 LF long.
3	Remove and replace, 1,680 SF of floor, carpet, commercial grade.
4	Replace, 1,680 SF of suspended ceiling acoustic tiles, 2 FT X 4 FT.
{00-010} Hallway Access Ramp (5 FT X 88 FT):	
1	Remove and replace, 4 IN vinyl baseboard, 176 LF long.
2	Prepare and paint, 440 SF of concrete ceiling. Scope Note: Some quantities may vary from the DDD due to Best Engineering Practices and Method of Repair.
{01-011} Second Floor Hallway Transition Reception Area (13 FT X 22 FT):	
1	Replace, 286 SF of suspended ceiling acoustic tiles, 2 FT X 4 FT.
2	Remove and replace, 1 recessed fluorescent light fixture, 6 IN DIA.
{01-012} Second Floor Room 201 (8 FT X 12 FT):	
1	Replace, 96 SF of suspended ceiling acoustic tiles, 2 FT X 2 FT.
{01-013} Second Floor Room 202 (15 FT X 31 FT):	
1	Replace, 24 SF of suspended ceiling acoustic tiles, 2 FT X 4 FT.
2	Remove and replace, 1 recessed fluorescent light fixture, 2 FT X 4 FT, 4 tube.
{01-014} Second Floor Room 203 Hallway Area (8 FT X 39 FT):	
1	Replace, 8 SF of suspended ceiling acoustic tiles, 2 FT X 4 FT.

2	Remove and replace, 4 IN vinyl baseboard, 4 LF long.
{01-015} Second Floor Room 203A Oficinas (29 FT X 50 FT) + (5 FT x 10 FT):	
1	Remove and replace, 4 each of recessed fluorescent light fixture, 2 FT X 4 FT, 4 tubes.
2	Replace, 1,500 SF of suspended ceiling acoustic tiles, 2 FT X 4 FT.
3	Remove and replace, 1 recessed fluorescent light fixture, 2 FTx 2 FT, 2 tubes.
{01-016} Second Floor Room 203B Oficinas Inner Room # 1 (17 FT X19 FT):	
1	Replace, 323 SF of suspended ceiling acoustic tiles, 2 FT X 4 FT.
{01-017} Second Floor Room 203C Break Room Kitchen (16 FT X 20 FT):	
1	Replace, 16 SF of suspended ceiling acoustic tiles, 2 FT X 4FT.
2	Remove and Replace (in Kind) 64 SF of wall, 1/4 IN thick plaster.
{01-018} Second Floor Janitor's Closet (4 FT X 8 FT):	
1	Remove and replace, 1 recessed fluorescent light fixture, 6 IN DIA.
{01-019} Second Floor Room 204 Oficina (11 FT X 21 FT):	
1	Replace, 16 SF of suspended ceiling acoustic tiles, 2 FT X 4 FT.
{01-021} Second Floor Room 204A Sala de Reuniones (14 FT X16 FT):	
1	Remove and replace, 4 IN vinyl baseboard, 60 LF long.
{01-022} Second Floor Room 204B Oficina (13 FT X 16 FT):	
1	Remove and replace, 4 IN vinyl baseboard, 58 LF long.
2	Remove and replace, 208 SF of floor, VCT, 12 IN x 12 IN.
3	Replace, 208 SF of suspended ceiling acoustic tiles, 2 FT X 4 FT.
{01-023} Second Floor Oficina / Area de Computadoras (10 FT X 18 FT):	
1	Repair, 42 SF of wall, 1/4 IN plaster.
2	Replace, 10 SF of suspended acoustic ceiling tiles, 2 FT X 4 FT.
{01-025} Second Floor Foyer Area:	
1	Remove and replace, 315 SF of ceiling, 5/8 IN thick drywall.
2	Remove and replace, 1 of ADA electric automatic door operator, 4 IN round style push plate with ADA logo, stainless steel front plate, electric.
{02-026} First Floor Hallway Ramp to Level 1 (5 FT X 75 FT):	
1	Repair, wall, joint 1/4 IN thick, 10 LF long, separated and missing caulking.
2	Remove and replace, 4 IN vinyl baseboard, 155 LF long.
{02-027} First Floor Janitor's Closet (5 FT X 6 FT):	
1	Repair, 1/4 IN thick crack on concrete wall, 20 LF long.
{02-028} First Floor Level 1 Book Reserve and Study Area (122 FT x 220 FT):	
1	Remove and replace, 26,840 SF of floor, carpet, commercial grade.
2	Replace, 100 SF of suspended ceiling acoustic tiles, 2 FT X 4 FT.
3	Remove and replace, 1 window, solid tempered glass 2.5 FT X 4 FT.
4	Remove and replace, 4-IN vinyl baseboard, 500 LF long.
5	Remove and replace, 15 each of recessed fluorescent light fixture, 2 FT X 4 FT, 4 tubes.
6	Repair, 1/4 IN thick crack, in concrete wall, 30 LF long.
{02-029} First Floor Room Study 1 (9 FT X 9FT):	

1	Replace, 10 SF of suspended ceiling acoustic tiles, 2 FT X 4 FT.
2	Remove and replace, 1 fluorescent, recessed light fixture, 2 FT X 4 FT, 4 tube.
{02-030} First Floor Room Study 3 (9 FT X 9 FT):	
1	Replace, 81 SF of suspended ceiling acoustic tiles, 2 FT X 4 FT.
2	Remove and replace, 2 recessed, fluorescent light fixtures, 2 FT X 4 FT, 4 tubes.
{02-031} First Floor Room Study 4 (9 FT X 9 FT):	
1	Replace, 32 SF of suspended ceiling acoustic tiles, 2 FT X 4 FT.
{02-032} First Floor Room Study 5 (9 FT X 9 FT):	
1	Replace, 32 SF of suspended ceiling acoustic tiles, 2 FT X 4 FT.
{02-033} First Floor Room Study 6 (9 FT X 9 FT):	
1	Replace, 32 SF of suspended ceiling acoustic tiles, 2 FT X 4 FT.
{02-036} First Floor Room Study 9 (9 FT X 9 FT):	
1	Remove and replace, 2 SF of ceiling, 5/8 IN thick drywall.
{02-037} First Floor Entrance Hall (31 FT X 92 FT):	
1	Remove and replace, 2 recessed light fixtures, 6 IN DIA LED.
2	Remove and replace, 1 electrical outlet, 2 IN X 4 IN.
{02-038} First Floor Baño Caballeros (14 FT X 23 FT):	
1	Caulk and seal, 1 glass block 12 IN X 12 IN.
{02-040} First Floor Room 101 Infonexus (23 FT X 29 FT):	
1	Replace, 667 SF of suspended ceiling acoustic tiles, 2 FT X 4 FT.
{02-041} First Floor Room 102 (15 FT X 28 FT + 10 FT X 13 FT):	
1	Remove and replace, 4 SF of VCT tile.
2	Replace, 550 SF of suspended ceiling acoustic tiles, 2 FT X 4 FT.
3	Remove and replace, 2 recessed fluorescent light fixture, 2 FT X 4 FT, 4 tube.
4	Remove and replace, 4 IN vinyl baseboard, 10 LF long.
{02-042} First Floor Room 102A Audio Visual (8 FT X 28 FT):	
1	Replace, 224 SF of suspended ceiling acoustic tile, 2 FT X 4 FT.
{02-043} First Floor Room 102B (17 FT X 24 FT):	
1	Replace, 16 SF of suspended ceiling acoustic tiles, 2 FT X 4 FT.
{02-044} First Floor Room 103 Reception Area (35 FT X 18 FT):	
1	Remove and replace, 10 SF of wall, 5/8 IN thick plywood.
{02-045} First Floor Room 103 Hallway (5 FT X 7 FT):	
1	Replace, 355 SF of suspended ceiling acoustic tiles, 2 FT X 4 FT
2	Remove and replace, 4 IN vinyl baseboard, 152 LF long.
{02-046} First Floor Baño Caballeros (5 FT X 7 FT):	
1	Replace, 35 SF of suspended ceiling acoustic tiles, 2 FT X 4 FT.
2	Remove and replace, 2 recessed fluorescent light fixtures, 2 FT X 2 FT, 2 tube.
{02-047} First Floor Baño Damas (5 FT X 7 FT):	
1	Replace, 35 SF of suspended ceiling acoustic tiles, 2 FT X 4 FT.
{02-048} First Floor Room 103C (14 FT X 18 FT):	
1	Replace, 252 SF of suspended ceiling acoustic tiles, 2 FT X 4 FT.

{02-049} First Floor Room 103D (10 FT X 10 FT):	
1	Remove and replace, 4 IN vinyl baseboard, 40 LF long.
{02-050} First Floor Room 103E (10 FT X 10FT):	
1	Replace, 8 SF of suspended ceiling acoustic tiles, 2 FT X 4 FT.
{02-051} First Floor Room 103F (10 FT X 10FT):	
1	Remove and replace, 4 IN vinyl baseboard, 40 LF long.
{02-052} First Floor Room 103G (10 FT X 10FT):	
1	Replace, 100 SF of suspended ceiling acoustic tiles, 2 FT X 4 FT.
{02-053} First Floor Room 104 (30 FT X 40 FT):	
1	Remove and replace, 9 recessed fluorescent light fixtures, 2 FT X 4 FT, 4 tube.
2	Remove and replace, 1 Emergency exit sign, LED combo red/white 2 Face, LED-Mirrored Heads Battery Backup, Universal Mounting Canopy.
3	Remove and replace, 4 IN vinyl baseboard, 140 LF long.
4	Replace, 1,200 SF of suspended ceiling acoustic tiles, 2 FT X 4 FT
Equipment Damage:	
{02-07-001} Mechanical AC System - Library:	
1	Remove and replace, 1 each of ABB ACH501-030-0-00P2 variable frequency drive, 30 HP, 208/240V, 3PH.
{02-07-002} Mechanical Ventilation System - Library:	
1	Remove and replace, 2 Fantech 5 DDD Series Direct Drive roof top exhaust, 360 CFM.
Hazard Mitigation Scope Building 002 BIBLIOTECA:	
	<p>Eligible Damages to be Mitigated:</p> <ol style="list-style-type: none"> 1. 43,600 SF of BUR, modified bitumen roof with granular surface, uplift pressure and finish tearing damages by wind and flying debris. 2. 879 SF of VCT tile, Stained by water infiltration. 3. Base, 4 IN vinyl, 6800 LF long, missing, loose and separated damaged by water infiltration and mold propagation 4. 2 each of door, 1/8 IN steel sheet, painted 3070, 3 FT X 7 FT, misalignment and finishes damages caused by high winds, water infiltration, and flying debris. 5. Window seal gasket, 4,254 LF long, damaged by high winds, wind driven rain and glass vibration. 6. 54 SF of wall, 5/8 IN thick drywall, finishes discoloration, delamination and cracks damaged by water infiltration and mold propagation. 7. 6800 SF of ceiling, 2 FT X 4 FT acoustic tile, suspended, missing, or broken damaged by water infiltration and mold propagation. 8. 30,200 SF of floor, carpet, commercial grade, saturated damaged primarily by water intrusion/saturation and secondarily by mold propagation. 9. 1 each of window, solid tempered glass 2.5 FT X 4 FT, line crack damaged by debris impact result of high winds. 10. 90 Lighting fixtures, damaged by water intrusion/saturation. 11. 49,225 SF of mold abatement, damaged by water infiltration and mold propagation. 12. 2 each of electrical outlet, GFI 2 FT X 4 FT, Cover plate missing, and receptacle is out of place within the outlet box, damaged by high winds, water infiltration, and flying debris.

	<p>13. 40 SF of roof flashing, 26-gauge, 12 IN, loose pieces damaged by uplift pressure and flying debris from high winds.</p> <p>14. 1 each of ADA electric automatic door operator, 4 IN round style push plate with ADA logo, stainless steel front plate, electrically non-functional damaged by water infiltration.</p> <p>15. 1 each of glass block 12 IN X 12 IN perimeter seal, damage by wind driven rain, water infiltration and debris impact.</p> <p>16. 1 each of Emergency exit sign, LED combo red/white 2 Face, LED-Mirrored Heads Battery Backup, Universal Mounting Canopy, electrically non-functional damaged by water infiltration and mold propagation.</p> <p>17. Joint 1/4 IN thick, 70 LF long, separated and missing caulking damaged by water infiltration and mold propagation.</p>
1	<p>Windows: Remove and replace the following windows with code compliant, impact resistant, laminated glass and aluminum frame windows:</p> <ul style="list-style-type: none"> • 29 Ea. 36"x 72" = 522 S.F. • 21 Ea. 8" x 8" = 9.33 S.F. • 17 Ea. 8" x 120" = 113.33 S.F. • 6 Ea. 8" x 128" = 42.66 S.F. • 49 Ea. 8" x 69" = 187.83 S.F. • 1 Ea. 18" x 18" = 2.25 S.F. • 4 Ea. 26" x 50" = 36.11 S.F. • 13 Ea. 20" x 20" = 36.11 S.F. • 1 Ea. 48" x 77" = 25.66 S.F. • 20 Ea. 18" x 24" = 60 S.F. • 13 Ea. 58 S.F. Window wall, 754 S.F. total • 24 Ea. 36 S.F. Window wall, 864 S.F. total • 9 Ea. 51 S.F. Window wall, 459 S.F. total • 1 Ea. 24.5 S.F. Window wall, 24.5 S.F. total • 70 Ea. 11.67 S.F. Window wall, 817 S.F. total • 1 Ea. 69.5 S.F. Window wall, 69.5 S.F. total • 2 Ea. 211 S.F. Window wall, 422 S.F. total
2	<p>Skylight: Remove existing and replace with double glazed, acrylic skylights:</p> <ul style="list-style-type: none"> • 5 Ea. 36" circular skylights
3	<p>Doors: Remove and replace the following doors with code compliant, impact resistant, steel doors:</p> <ul style="list-style-type: none"> • Remove and replace 2 Ea. of 3'-0 x 7'-0" flush, steel door, frame, and hardware. • Remove and replace 3 Ea. of 6'-0 x 7'-0", double, flush, steel door, frame, and hardware. 4. • Install ADA compliant aluminum threshold on 6 Ea. steel doors. • Install aluminum weather-strip at bottom of 6 Ea. steel doors.
4	<p>Roof Mounted Mechanical Equipment: Anchor equipment to concrete roof slab using steel wire strap assembly:</p> <ul style="list-style-type: none"> • Anchor 6 Ea. exhaust fans to concrete slab using 2 Ea. 12 L.F. straps. • Anchor 20 Ea. A/C condensing units using 2 Ea. 14 L.F. straps.

5	<p>Roof Drainage: Remove and replace existing roof drains:</p> <ul style="list-style-type: none"> a. 30 Ea. 3" diameter cast iron roof drains with cast iron domes. Fasten domes following manufacturer recommendations. Clean and unclog drainpipes.
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BUILDING 004 – CENTRO DE ESTUDIANTES Y ADMINISTRACION	
PA Works	
{00-001} General:	
1	Prepare and paint, 22,000 SF of building exterior surfaces.
2	Repair, wall, overhang, 1/4 IN thick plaster (cracks), 2 LF long x 1 LF wide.
{00-002} Penthouse (42 FT X 48 FT) (30 FT X 34 FT):	
1	Remove 1,840 SF of Mesh Reinforced Elastomeric Coating and replace with SBS Membrane.
2	Remove and replace, 906 SF of roof, ribbed metal.
3	Remove and replace, fencing, metal screening, 4 FT High, 124 LF long.
4	Remove and replace, fencing, metal screening, 8 FT High, 60 LF long.
5	Repair, 60 SF of wall, parapet, concrete 2 IN X 8 IN surfacing.
{00-003} Main Roof (135 FT X 135 FT):	
1	Remove 18,200 SF of Mesh Reinforced Elastomeric Coating and Replace with SBS Membrane.
2	Repair, 133 SF of wall, penthouse, 1/4 IN thick plaster.
3	Remove and replace, 1 Aluminum full glass door 3 FT X 7 FT emergency door panic bar hardware.
4	Remove and replace, 2 PVC plastic dome drain covers, 4 IN.
{00-004} General:	
1	Prepare and paint, 41 SF of building interior.
{01-008} Penthouse (7th Floor) Hallway (10 FT X 20 FT):	
1	Prepare and paint, 1 Aluminum door & frame, 3 FT X 7 FT.
{02-011} Penthouse (6th Floor) Storage Room 1 (8 FT X 15 FT):	
1	Prepare and paint, 120 SF of ceiling, 1/4 IN thick plaster.
{03-015} Fifth Floor Room 1 (10 FT X 15 FT):	
1	Replace, 12 SF of suspended ceiling acoustic tiles, 2 FT X 2 FT.
{03-019} Fifth Floor Room 5 (12 FT X 15 FT):	
1	Replace, 4 SF of suspended ceiling regular acoustic tiles, 2 FT X 2 FT
{03-021} Fifth Floor Storage #1 (6 FT X 8 FT):	
1	Replace, 48 SF of suspended ceiling acoustic tiles, 2 FT X 2 FT.
{03-023} Fifth Floor Kitchenette (12 FT X 15 FT):	
1	Remove and replace, 1 recessed fluorescent light fixture, 2 FT X 4 FT, 4 tubes.
{03-024} Fifth Floor Senate Room (18 FT X 3 FT):	
1	Remove and replace, window, dry sealant, 2 FT X 8 FT, 20 LF long, window sealant.
{03-025} Fifth Floor Transcription Room (9 FT X 9 FT):	

1	Remove and replace, window, dry sealant, 2 FT X 8 FT, 20 LF long, loose window gasket.
{03-026} Fifth Floor Hallway #1 (7 FT X 30 FT):	
1	Replace, 8 SF of suspended ceiling regular acoustic tiles, 2 FT X 2 FT.
{03-027} Fifth Floor Hallway #2 (4 FT X 12 FT) + (9 FT X 22 FT) + (12 FT X 12 FT):	
1	Replace, 8 SF of suspended ceiling regular acoustic tiles, 2 FT X 2 FT.
{03-032} Fifth Floor Room 10 (5 FT X 8 FT):	
1	Replace, 4 SF of suspended ceiling regular acoustic tiles, 2 FT X 2 FT.
{03-043} Fifth Floor Room 16 (10 FT X 14 FT):	
1	Replace, 4 SF of suspended ceiling regular acoustic tiles, 2 FT X 2 FT.
{03-048} Fifth Floor Room 20 (12 FT X 24 FT):	
1	Repair, 8 SF of wall, 1/4 IN thick plaster.
2	Remove and replace, window, edge rubber seal 2 FT X 8 FT, 16 LF long.
{03-050} Fifth Floor Room 22 (9 FT X 12 FT):	
1	Remove and replace, window, rubber seal 3 FT X 5 FT, 32 LF long.
{03-051} Fifth Floor Room 23 (9 FT X 12 FT):	
1	Repair, 8 SF of wall, 1/4 IN thick plaster, painted (cracked).
2	Remove and replace, 1 window, rubber seal 3 FT X 8 FT, 64 LF long.
{03-058} Fifth Floor Electrical Room (5 FT X 8 FT):	
1	Replace, 8 SF of suspended ceiling regular acoustic tile, 2 FT X 2 FT.
{04-094} Fourth Floor Room 28 (11 FT X 14 FT):	
1	Caulk and seal, 2 windows, 3 FT X 8 FT, 88 LF long.
{04-100} Fourth Floor Room 33 (8 FT X 8 FT):	
1	Replace, 18 SF of suspended ceiling acoustic tiles, 2 FT X 2 FT.
2	Remove and replace, 2 recessed fluorescent light fixtures, 2 FT X 4 FT, 4 tube.
{04-101} Fourth Floor Room 34 (8 FT X 8 FT):	
1	Replace, 64 SF of suspended ceiling acoustic tiles, 2 FT X 2 FT.
{04-104} Fourth Floor Room 36 (10 FT X 12 FT):	
1	Caulk and seal, 1 window, 3 FT X 8 FT, 44 LF long.
{04-105} Fourth Floor Room 37 (7 FT X 12 FT):	
1	Remove and replace, 1 window's glass 3 FT X 5 FT.
{04-106} Fourth Floor Room 38 (7 FT X 12 FT):	
1	Caulk and seal, 1 window, 3 FT X 5 FT, 32 LF long.
{04-119} Fourth Floor Women's Bathroom (14 FT X 24 FT):	
1	Replace, 8 SF of suspended ceiling acoustic tiles, 2 FT X 2 FT.
{04-121} Fourth Floor Men's Bathroom (14 FT X 24 FT):	
1	Replace, 8 SF of suspended ceiling acoustic tiles, 2 FT X 2 FT.
{04-124} Fourth Floor Room 48 (8 FT X 9 FT):	
1	Caulk and seal, 1 window, rubber seal, 3 FT X 5 FT, 32 LF long.
{04-126} Fourth Floor Room 50 (12 FT X 17 FT):	
1	Caulk and seal, 3 each of window, glass dry sealant 3 FT X 5 FT, 56 LF long.

{04-127} Fourth Floor Room 50 B (12 FT X 13 FT):	
1	Remove and replace, 2 recessed fluorescent light fixtures, 2 FT X 4 FT, 4 tube.
{04-130} Fourth Floor Room 52 (12 FT X 56 FT) + (13 FT x17 FT):	
1	Caulk and seal, 3 of window, 2 FT X 5 FT, 42 LF long.
{04-137} Fourth Floor Room 59 (12 FT X 15 FT):	
1	Replace, 180 SF of suspended ceiling acoustic tiles, 2 FT X 2 FT.
{05-139} Third Floor Room 1 (52 FT X 100 FT):	
1	Replace, 4 SF of suspended ceiling acoustic tiles, 2 FT X 2 FT.
{05-142} Third Floor Room 4 Office (5 FT X 11 FT):	
1	Replace, 1 of window, rubber seal, 3 FT X 5 FT.
2	Remove and replace, 99 SF of wall, 5/8 IN drywall, 9 FT X 11 FT.
{05-143} Third Floor Room 5 (12 FT X 17 FT):	
1	Replace, 3window, 3 FT X 5 FT, 56 LF long rubber seal.
{05-144} Third Floor Room 6 (7 FT X 11 FT):	
1	Remove and replace, 1 recessed fluorescent light fixture, 2 FT X 4 FT, 4 tube.
{05-145} Third Floor Room 7 (8 FT X 9 FT):	
1	Caulk and seal, 3windows, 3 FT X 5 FT, 56 LF long.
{05-147} Third Floor Room 9 (7 FT X 10 FT):	
1	Caulk and seal, 3windows, 3 FT X 5 FT, 56 LF long.
{05-149} Third Floor Room 10 (12 FT X 26 FT) (9 FT X 10 FT):	
1	Remove and replace, 1 glass window rubber gasket, 3 FT X 5 FT.
{05-150} Third Floor Room 11 (13 FT X 16 FT):	
1	Replace, 12 SF of suspended ceiling acoustic tiles, 2 FT X 2 FT.
{05-151} Third Floor Hallway #2 (8 FT X 120 FT):	
1	Remove and replace, 1window glass 1 FT X 5 FT.
{05-152} Third Floor Room 12 (16 FT X 18 FT):	
1	Replace, 12 SF of suspended ceiling acoustic tiles, 2 FT X 2 FT.
{05-153} Third Floor Room 13 (6 FT X 12 FT):	
1	Replace, 4 SF of suspended ceiling acoustic tiles, 2 FT X 2 FT.
{05-161} Third Floor Room 21 (19 FT X 24 FT):	
1	Remove and replace, 1window, dry sealant, 3 FT X 5 FT, 16 LF long.
{05-164} Third Floor Room 23 (13 FT X 13 FT):	
1	Remove and replace, 1 recessed fluorescent light fixture, 2 FT X 4 FT, 4 tube.
2	Caulk and seal, 2windows, 3 FT X 5 FT, 44 LF long.
{05-166} Third Floor Room 24 (8 FT X 10 FT):	
1	Remove and replace, 1window glass 2 FT X 3 FT.
{05-170} Third Floor Terrace (6 FT X 12 FT) (12 FT X 90 FT):	
1	Remove and replace, 1,152 SF of modified bitumen roof.
{05-174} Third Floor Women's Bathroom (14 FT X 24 FT):	
1	Replace, 8 SF of suspended ceiling acoustic tiles, 2 FT X 2 FT.
{05-176} Third Floor Boy's Bathroom (14 FT X 24 FT):	

1	Replace, 8 SF of suspended ceiling acoustic regular tiles, 2 FT X 2 FT.
{05-179} Third Floor Room 29 (5 FT X 8 FT):	
1	Replace, 4 SF of suspended ceiling acoustic regular tiles, 2 FT X 2 FT.
{06-184} Second Floor Conference Room (51 FT X 125 FT):	
1	Replace, 2,500 SF of suspended ceiling acoustic tiles, 2 FT X 2 FT.
2	Remove and replace, 2,500 SF of suspended ceiling metal grid.
3	Remove and replace, 1 window glass 3 FT X 5 FT.
4	Remove and replace, 5 window dry sealant, 7 FT X 8 FT, 150 LF long.
{06-187} Second Floor Room 1 (26 FT X 55 FT):	
1	Replace, 12 SF of suspended ceiling acoustic regular tiles, 2 FT X 2 FT.
{06-188} Second Floor Women's Bathroom (14 FT X 34 FT):	
1	Replace, 4 SF of suspended ceiling acoustic regular tiles, 2 FT X 2 FT.
2	Remove and replace, 1 recessed fluorescent light fixture, 2 FT X 2 FT, 2 tubes.
{06-189} Second Floor Storage (4 FT x 5 FT):	
1	Remove and replace, 1 recessed fluorescent light fixture, 2 FT x 2 FT, 2 tubes.
{06-192} Second Floor Hallway #2 (10 FT X 35 FT) (12 FT x 41 FT) (12 FT x 35 FT):	
1	Remove and replace, 1 window glass 2 FT X 3 FT.
2	Remove and replace, 32 SF of wall, 5/8 IN drywall, 4 FT X 8 FT.
{06-192} Second Floor Hallway #2 (10 FT X 35 FT) (12 FT x 41 FT) (12x35):	
1	Remove and replace, 2 Aluminum store front doors, (3 FT 0 IN X 7 FT 0 IN).
{06-195} Second Floor Room 3 (21 FT X 50 FT) (5 FT X 24 FT):	
1	Remove and replace, 1 door glass (3 FT 0 IN X 7 FT 0 IN).
{06-196} Second Floor Room 4 (16 FT X 16 FT):	
1	Replace, 256 SF of suspended ceiling acoustic regular tiles, 2 FT X 2.
2	Remove and replace, 256 SF of acoustic ceiling, suspended metal grid.
{06-197} Second Floor Room 5 (7 FT X 10 FT):	
1	Remove and replace, 70 SF of suspended ceiling acoustic regular tiles, 2 FT X 2.
2	Remove and replace, 70 SF of acoustic ceiling, suspended metal grid.
{06-198} Second Floor Room 6 (9 FT X 16 FT):	
1	Remove and replace, 2 recessed fluorescent light fixtures, 2 FT X 2 FT, 2 tubes.
{06-200} Second Floor Room 8 (8 FT X 8 FT):	
1	Replace, 64 SF of suspended ceiling acoustic regular tiles, 2 FT X 2 FT.
2	Remove and replace, 64 SF of acoustic ceiling, suspended metal grid.
{07-210} First Floor Room 1C Copy Room (7 FT X 10 FT):	
1	Replace, 4 SF of suspended ceiling acoustic regular tiles, 2 FT X 2 FT.
{07-213} First Floor Room 1F Exam Room (8 FT X 11 FT):	
1	Caulk and Seal, 1 window, dry sealant, 6 FT X 8 FT, 56 LF long.
{07-217} First Floor Room 1J Office (8 FT X 9 FT):	
1	Replace, 4 SF of suspended ceiling acoustic tiles, 2 FT X 2 FT.
{07-228} First Floor Room 3 Reception (4 FT X 7 FT) + (13 FT X 13 FT):	
1	Replace, 197 SF of suspended ceiling acoustic tiles, 2 FT X 2 FT.

2	Remove and replace, 169 SF of acoustic ceiling, suspended metal grid.
{07-229} First Floor Room 4 Storage (8 FT X 10 FT):	
1	Replace, 4 SF of suspended ceiling acoustic tiles, 2 FT X 2 FT.
{07-231} First Floor Room 6 Office (10 FT X 13 FT):	
1	Replace, 4 SF of suspended ceiling regular acoustic tiles, 2 FT X 2 FT.
{07-235} First Floor Room 11 Computer Lab (8 FT X 13 FT):	
1	Replace, 8 SF of suspended ceiling acoustic regular tiles, 2 FT X 2.
{07-239} First Floor Room 15 Waiting (9 FT X 11 FT) + (6 FT X 7 FT):	
1	Replace, 8 SF of suspended ceiling acoustic regular tiles, 2 FT X 2 FT.
{07-241} First Floor Room 17 Office (9 FT X 16 FT):	
1	Replace, 144 SF of suspended ceiling acoustic tiles, 2 FT X 2 FT.
2	Remove and replace, 144 SF of acoustic ceiling, suspended metal grid.
3	Remove and replace, 2 recessed fluorescent light fixtures, 2 FT X 4 FT, 4 tube.
Vehicle or Equipment Damage:	
{02-03-001} Mechanical AC System - Upper Chiller Plant:	
1	Remove and replace, 2 Carrier 30GTN210-621KA air-cooled chiller, 210 TON, 460V/3PH/60Hz.
2	Remove and replace, 1 power panel, 480V 3 phase, N3R, 400 amp.
3	Remove and replace, 2 disconnect for air-cooled chillers, N3R, 200 amp.
4	Remove and replace, 3motors for chilled water pumps, 10 HP, 1770 RPM, 480V/3PH/60Hz.
5	Remove and replace, 2motor starters disconnect, 480V/3PH, N3R, 60 amp.
6	Remove and replace, 1motor for chilled water pumps, 5 HP, 1760 RPM, 480V/3PH/60Hz.
7	Remove and replace, 2motor starters disconnect, 480V/3PH, N3R, 30 amp.
8	Remove and replace, 1 Taco pump, F1125 11 E2GAJLOA chilled water pump.
9	Remove and replace, 1 ABB Induction motor for chilled water pumps, 2 HP, 1740 RPM, 480V/3PH/60Hz.
10	Remove and replace, 1 of motor starter disconnect, 480V/3PH, N3R, 30 amp.
11	Replace, 6 SF of insulation rigid exterior 2 IN, 3 FT long x 2 FT wide.
12	Remove and replace, 250 SF of metal air duct for air handler unit, 10 FT long x 5 FT wide x 5 FT high.
13	Remove and replace, 1,125 SF of fiberglass insulation for metal air duct, 45 FT long x 5 FT wide x 5 FT high.
14	Remove and replace, 1 disconnect attached to wall, 480V/3PH, N3R, 30 amp.
15	Remove and replace, 45 SF of insulation, foam Glass 2 IN with metal cladding, 15 FT long x 3 FT wide.
16	Remove and replace, 600 SF of 2 Air Handling Units, roof covered metal plates including reinforcing gussets.
Hazard Mitigation Scope	
Building 004 CENTRO DE ESTUDIANTES Y ADMINISTRACION:	
Eligible Damages to be Mitigated:	
	1. 22,000 SF of building exterior painted surfaces, peeled, missing and loose plaster damaged by high winds, wind driven rain, and flying debris.

	<p>2. 10 SF of ceiling, 1/4 IN thick plaster, painted, peeled, discolored damaged by water infiltration and mold propagation, 0% work completed.</p> <p>3. Wall, overhang, 1/4 IN thick plaster (cracks), 2 LF long x 1 LF wide, damaged by high winds and flying debris.</p> <p>4. 18,200 SF main roof and 310 SF penthouse of MRCE membrane, cracked, peeled damaged by high winds, wind driven rain, and flying debris.</p> <p>5. Fencing, metal screening, 4 FT High, 124 LF and 8 FT High, 60 LF long, bended, broken and loose damaged by high winds, wind driven rain and flying debris.</p> <p>6. 1,506 SF of roof, ribbed metal, bended, broken and loose damaged by high winds, wind driven rain, and flying debris.</p> <p>7. 209 SF of wall, 1/4 IN thick plaster, peeled, missing and loose damaged by high winds and uplift and flying debris.</p> <p>8. 4 each of Aluminum full glass door 3 FT X 7 FT emergency door, broken panic bar hardware, peeled finish paint of the metal door and frame and broken tempered glass (2 FT X 6 FT) result of wind force and debris impact.</p> <p>9. 2 each of drains, 4 IN, PVC roof plastic dome covers missing and broken by wind force and debris impact.</p> <p>10. 3,635 SF of ceiling, 2 FT X 2 FT acoustic tile, suspended, stained and saturated damaged by water infiltration and mold propagation.</p> <p>11. 9 each of light, 2 FT X 4 FT fluorescent, 4 tube, recessed, electrically non-functional damaged by water infiltration.</p> <p>12. window dry sealant, 2 FT X 8 FT, 864 LF long, window sealant impacted and damaged by wind and water infiltration.</p> <p>13. 446 S.F. of interior wall paint, damaged by wind and water infiltration.</p> <p>14. 90,000 S.F. Mold remediation, mold abatement plan.</p>
Roof Main and Penthouse (Note: PA will be replacing 2 EA 4 IN dome covers.)	
1	Remove and replace 20 Ea. 4" diameter roof drains and domes.
Roof Metal Penthouse:	
1	Install non corrosive sheet metal screws with neoprene washers on 650 S.F of metal roof (25 screws per 100 S.F) 163 screws total.
Roof Metal 1st Floor Main Entrance:	
1	Install non corrosive sheet metal screws with neoprene washers on 1600 S.F of metal roof (25 screws per 100 S.F) 400 screws total.
2	Install 2 Ea. 6'-6" long, at 45 degree angle, 4" steel tube bracing welded to 3 Ea. steel tube steel roof columns (2 outer corners, 1 middle outer), 39 L.F. total.
3	Install 1 Ea. L-shape steel anchor 4"x 4" welded to 8 Ea. steel roof column and bolted to concrete floor.
3rd Floor Balcony:	
1	Install 4 Ea. scupper drains, 4"x4" min. opening on south low wall.
2nd Floor Balcony:	
1	Install 3 Ea. scupper drains, 4"x4" min. opening on south low wall.
Roof Screening/Fence Reinforcement:	

1	124 LF of 4' high steel fence – Install 2 Ea. of C 2x1.78 structural steel channels welded back-to-back into T-shape, 3'-0" long. Install 1'-4" L.F above wall welded to steel fence post and 1'-8" L.F. bolted to the wall, 31 fence posts total, 31 T-shape assemblies total 186 L.F. total of C 2x1.78 channel.
2	60 LF of 5' high steel fence – Install 2 Ea. of C 2x1.78 structural steel channels welded back-to-back into T-shape, 5'-6" long, 2'- 8" L.F. above wall welded to steel fence post and 2'-10" L.F. bolted to the wall, 20 posts total, 20 T-shape assemblies total), 440 L.F. of C 2x1.78 channel total.
3	Apply epoxy primer and latex top coat on 420 S.F. of steel channels
Windows:	
Note: PA will be replacing 2 EA 3FT x 5FT glass window and 1 EA 1 FT x 5 FT 3FT x 5FT glass window.	
1	Remove and replace all exiting fixed glass and project out windows with impact and wind resistant units. <ul style="list-style-type: none"> • 93 Ea. 6'-9" x 2'-4" fixed glass windows • 186 Ea. 6'-9" x 2'-4" project out windows • 66 Ea. 6'-9" x 2'-4" fixed glass windows • 59 Ea. 6'-9" x 2'-4" project out windows • 18 Ea. 2'-0"x 2'-6" fixed glass windows • 1st Floor NW Corner window wall, 12'x 35' • 2nd Floor Curved window wall, 12'x 90'
Doors:	
Note: PA will be replacing 1 EA 3 FT x 7 FT aluminum glass door.	
1	Remove and replace all existing aluminum and glass doors with impact and wind resistant units: <ul style="list-style-type: none"> • 3 Ea. 3'x7" steel, flush, exterior doors • 10 Ea. escape aluminum and glass, door, glass sidelight and transom assembly. • 15 Ea. 3'x7' glass doors • 20 Ea. 1.25'x 8' sidelights • 10 Ea. 2'-6"x 8'-6" transom
Ventilation Louvers:	
1	Remove and replace all existing ventilation louvers stormproof units: <ul style="list-style-type: none"> • 302 S.F. fixed blade aluminum louver

BUILDING 091 – EDIFICIO B	
PA WORKS	
{00-001} General:	
1	Pressure wash, 22,080 SF of exterior perimeter walls.
2	Remove and Replace, window caulk, 144 FT long.
{00-002} Rooftop Utility Shed (10 FT X 10 FT):	
1	Remove and Replace 240 SF of wall, corrugated panel, galvanized, 2 IN deep.
2	Remove and Replace 144 SF of roof, corrugated panel, galvanized, 2 IN deep

3	Remove and Replace, 1 each of custom double swing gate, overall 12 FT wide by 8 FT high, steel tube frame, covered with 2 IN deep galvanized metal panel.
{00-005} Men's Bathroom (11 FT X 17 FT):	
1	Remove and Replace 1 each of faucet, Delta touchless hands-free commercial bathroom single-hole, chrome, sink mount.
{00-006} Hallway to Roof Access (5 FT X 36 FT):	
1	Repair, 60 SF of wall, concrete surfacing, painted.
2	Remove and Replace 10 SF of pipe insulation, 1IN thick, self – sealing lap fiberglass.
3	Repair, 180 SF of floor, sealed concrete, surfacing, painted.
{01-008} Third Floor Hallway (7 FT X 126 FT + 5 FT X 12 FT):	
1	Remove and Replace window caulk, 26 LF long.
{02-013} Second Floor Hallway (7 FT X 126 FT + 5 FT X 12 FT):	
1	Remove and Replace 4 each of light, LED, 2 IN X 4 FT.
2	Remove and Replace window caulk, 52 LF long.
{02-014} Second Floor Breezeway (5 FT X 36 FT):	
1	Remove and Replace 10 SF of pipe insulation, 1IN thick, self – sealing lap fiberglass.
2	Remove and Replace 1 each of smoke detector.
{02-015} Second Floor Men's Bathroom (11 FT X 17 FT):	
1	Remove and Replace 1 each of faucet, Delta touchless hands-free commercial bathroom single-hole, chrome, sink mount.
{02-016} Second Floor Inner Stairwell, Second to First Floor Landing:	
1	Remove and Replace 2 each of light, fluorescent, 6 IN X 4 FT, 2 tube, surface mount.
{03-020} First Floor Hallway (7 FT X 8 FT 1+ 5 FT X 2 FT):	
1	Remove and Replace 5 each of light, LED, 2 IN X 4 FT.
{03-022} First Floor Women's Bathroom (11 FT X 17 FT):	
1	Remove and Replace 2 each of light, 1x4 fluorescent, parabolic, surface mounted.
2	Remove and Replace 1 each of faucet, Delta touchless hands-free commercial bathroom single-hole, chrome, sink mount.
{03-023} First Floor Outer Stairwell (4th Floor to 1stFloor):	
1	Remove and Replace 6 each of light, fluorescent, 6 IN X 4 FT, surface mounted.
2	Repair, 20 SF of wall, concrete surfacing cracking.
3	Repair, 4 SF of flooring, poured epoxy, textured.
Vehicle or Equipment Damage:	
{02-06-001} Mechanical Ventilation System - Edificio B:	
1	Remove and Replace, 3 each of Plastec Ventilation JET25ST6P Inline centrifugal fan, 700 CFM, 0.33 HP, 1140 RPM, 230/460V, 3PH.
Hazard Mitigation Scope	
Building 091 EDIFICIO B:	
Eligible Damages to be Mitigated:	
	1. 240 SF of wall, corrugated panel, galvanized, 2 IN deep, removed, blown away and loose damaged by wind force and debris impact 2 each of Fantech 5DDD Series Direct Drive roof top exhaust, 360 CFM, damaged by electrical power surge.

	2. 144 SF of roof, corrugated panel, galvanized, 2 IN deep, removed, blown away and loose damaged by wind force and debris impact. 3. Equipment, 3 each of Plastec Ventilation JET25ST6P Inline centrifugal fan, 700 CFM, 0.33 HP, 1140 RPM, 230/460V, 3PH, damaged by high winds, wind driven debris. 4. Window caulk, 222 LF long, damaged and dislodged by high winds and wind driven rain.
Utility Shed Walls Reinforcement:	
1	Install non-corrosive metal #4 x 2" sheet metal screws at a 6" spacing on roof perimeter and at metal panel seams, 384 screws total.
Utility Shed Roof Reinforcement:	
1	Install 2 Ea., 30' long, corrosion resistant wire cable, anchor straps.
2	Install non-corrosive metal #4 x 2" sheet metal screws at a 6" spacing on roof perimeter and at metal panel seams, 192 screws total.
Ventilation Fan Anchorage:	
1	Install 2 Ea., 30' long, corrosion resistant wire cable, anchor straps.
2	Caulk 222 LF of interior window perimeter (PA to cover exterior caulk).

BUILDING 092 - BIOLOGIA	
PA WORKS	
{00-001} General:	
1	Pressure wash, 16,296 SF of mold and soil residue on exterior of building.
Vehicle or Equipment Damage:	
{02-05-001} Mechanical Ventilation System - Biología:	
1	Remove and replace, 1 Loren Cook, 202 QMXVX 2020MXVP18H exhaust, Vari-Plume, laboratory exhaust, 10 HP, 1725 RPM, 5,500 CFM, 460V/3PH/60Hz.
2	Remove and replace, 1 motor starter for laboratory exhaust fan, including support base detached and PVC pipes broken from motor connection.
3	Remove and replace, electrical wiring for laboratory exhaust, 8 FT long.
Hazard Mitigation Scope	
Building 092 BIOLOGIA:	
Exhaust Fan Anchorage	
1	Install 2 Ea., 40' long, corrosion resistant wire cable, anchor straps.

BUILDING 300	
PA WORKS	
{01-001} General	
1	Remove and Replace (in Kind) 3 each of light, 2 FT X 4 FT fluorescent, 4 tube, recessed
{00-002} Roofing System:	
1	Remove and Replace (in Kind), 25,300 SF of BUR membrane
{01-003} General	
1	Prepare, Prime and Paint (in-Kind), 23,292 SF of building interior painted surfaces

{01-004} First Floor Area (20 FT x 70 FT):	
1	Remove and Replace (in Kind) 1,400 SF of ceiling, suspended metal grid
2	Replace (in Kind) 1,400 SF of floor, VCT, 12 IN X12 IN
{01-006} First Floor Room 301-A (8 FT x 9 FT):	
1	Replace (in Kind) 72 SF of floor, VCT, 12 IN X12 IN
{01-007} First Floor Room 301-B (7 FT x 9 FT):	
1	Replace (in Kind) 63 SF of floor, VCT, 12 IN X12 IN
{01-008} First Floor Room 302 (20 FT x 25 FT):	
1	Replace (in Kind) 500 SF of floor, VCT, 12 IN X12 IN
{01-009} First Floor Room 303 (25 FT x 25 FT):	
1	Remove and Replace (in Kind) 1 each of window glass 4.5 FT X 6.5 FT
2	Replace (in Kind) 625 SF of floor, VCT, 12 IN X12 IN
{01-010} First Floor Room 304 (25 FT x 25 FT):	
1	Remove and Replace (in Kind) 625 SF of ceiling, suspended metal grid
2	Replace (in Kind) 625 SF of floor, VCT, 12 IN X12 IN
{01-011} First Floor Room 305 (20 FT x 25 FT):	
1	Replace (in Kind) 500 SF of floor, VCT, 12 IN X 12 IN
{01-011} First Floor Room 305 (25 FT x 25 FT):	
1	Remove and Replace (in Kind) 500 SF of ceiling, suspended metal grid
2	Remove and Replace (in Kind) 1 each of light, 2 FT X 4 FT fluorescent, 4 tube, recessed
{01-012} First Floor Room 307 (25 FT x 30 FT):	
1	Remove and Replace (in Kind) 750 SF of ceiling, suspended metal grid
2	Remove and Replace (in Kind) 30 SF of window glazing, 4.5 FT X 6.5 F
3	Replace (in Kind) 750 SF of floor, VCT, 12 IN X 12 IN
{01-012} First Floor Room 307 (750 SF):	
1	Remove and Replace (in Kind) 1 each of thermostat, manual
{01-013} First Floor Room 307-B (20 FT x 25 FT):	
1	Remove and Replace (in Kind) 500 SF of ceiling, suspended metal grid
2	Remove and Replace (in Kind) 1 each of light, 2 FT X 4 FT fluorescent, 4 tube, recessed

3	Replace (in Kind) 500 SF of floor, VCT, 12 IN X12 IN
{01-015} First Floor Room 309 (1000 SF):	
1	Remove and Replace (in Kind) 5 each of light, 2x4 fluorescent, 4 tube, recessed
{01-015} First Floor Room 309 (25 FT x 40 FT):	
1	Remove and Replace (in Kind) 1,000 SF of ceiling, suspended metal grid
2	Remove and Replace (in Kind) 30 SF of window glazing, 4.5 FT X 6.5 FT, crack line on glass
3	Replace (in Kind) 1,000 SF of floor, VCT, 12X12 IN
{01-016} First Floor East Hallway (10 FT x 170 FT):	
1	Remove and Replace (in Kind) 1,700 SF of ceiling, suspended metal grid
2	Remove and Replace (in Kind) 1 each of light, 2 FT X 4 FT fluorescent, 4 tube, recessed
3	Replace (in Kind) 1,700 SF of floor, VCT, 12 IN X12 IN
{01-017} First Floor Room 310 A Reception Area (10 FT x 20 FT):	
1	Remove and Replace (in Kind) 200 SF of ceiling, suspended metal grid
2	Replace (in Kind) 200 SF of floor, VCT, 12 IN X12 IN
{01-018} First Floor Room 310 A0 Director's Office (8 FT x 20 FT):	
1	Remove and Replace (in Kind) 160 SF of ceiling, suspended metal grid
{01-021} First Floor Room 310 A3 Office (9 FT x 21 FT):	
1	Remove and Replace (in Kind) 189 SF of ceiling, suspended metal grid
{01-022} First Floor Hallway (3 FT x 20 FT):	
1	Remove and Replace (in Kind) 60 SF of ceiling, suspended metal grid
{01-023} First Floor Photocopy Machine Area (5 FT x 8 FT):	
1	Remove and Replace (in Kind) 40 SF of ceiling, suspended metal grid
{01-024} First Floor Storage Area (5 FT x 8 FT):	
1	Remove and Replace (in Kind) 40 SF of ceiling, suspended metal grid
{01-026} First Floor Room 310 A5 Break Room (10 FT x 10 FT):	
1	Remove and Replace (in Kind) 100 SF of ceiling, suspended metal grid, loose
2	Remove and Replace (in Kind) 1 each of light, 2 FT X 4 FT fluorescent, 4 tube, recessed
{01-027} First Floor Room 310 B Office Area (10 FT x 15 FT):	
1	Remove and Replace (in Kind) 150 SF of ceiling, suspended metal grid

2	Replace (in Kind) 150 SF of floor, VCT, 12 IN X12 IN
{01-029} First Floor Storage Room (10 FT x 20 FT):	
1	Replace (in Kind) 200 SF of floor, VCT, 12 IN X12 IN
{01-030} First Floor Room 306 A L-Shaped Classroom (20 FT x 44 FT + 19 FT x 29 FT):	
1	Remove and Replace (in Kind) 1,431 SF of ceiling, suspended metal grid
2	Replace (in Kind) 1,431 SF of floor, VCT, 12 IN X12 IN
{01-031} First Floor Room 306 A Inner Storage Room (10 FT x 24 FT):	
1	Replace (in Kind) 240 SF of floor, VCT, 12 IN X12 IN
{01-032} First Floor Room 306 A Observation Room (10 FT x 24 FT):	
1	Remove and Replace (in Kind) 240 SF of ceiling, suspended metal grid
2	Replace (in Kind) 240 SF of floor, VCT, 12 IN X12 IN
{01-033} First Floor Electrical Room (4 FT x 14 FT):	
1	Replace (in Kind) 56 SF of floor, VCT, 12 IN X12 IN
{01-035} First Floor Room 322 Office (10 FT x 12 FT):	
1	Remove and Replace (in Kind) 120 SF of ceiling, suspended metal grid
2	Replace (in Kind) 120 SF of floor, VCT, 12 IN X12 IN
{01-036} First Floor Room 321 Office (10 FT x 12 FT):	
1	Remove and Replace (in Kind) 120 SF of ceiling, suspended metal grid
{01-036} First Floor Room 321 Office (10 FT x 12 FT):	
1	Replace (in Kind) 120 SF of floor, VCT, 12 IN X12 IN
{01-037} First Floor Room 320 Classroom (25 FT x 40 FT):	
1	Remove and Replace (in Kind) 1,000 SF of ceiling, suspended metal grid
{01-038} First Floor Room 319 B (10 FT x 15 FT):	
1	Remove and Replace (in Kind) 150 SF of ceiling, suspended metal grid
2	Replace (in Kind) 150 SF of floor, VCT, 12 IN X12 IN
{01-039} First Floor Room 318 (25 FT x 25 FT):	
1	Remove and Replace (in Kind) 625 SF of ceiling, suspended metal grid
{01-039} First Floor Room 318 (625 SF):	
1	Replace (in Kind) base, 4 IN vinyl, 100 LF long

{01-040} First Floor Room 317 (25 FT X 25 FT):	
1	Remove and Replace (in Kind) 625 SF of ceiling, suspended metal grid
2	Remove and Replace (in Kind) 1 each of smoke detector
3	Replace (in Kind) base, 4 IN vinyl, 50 LF long
4	Replace (in Kind) 625 SF of floor, VCT, 12 IN X12 IN
{01-041} First Floor Room 316 (20 FT X 25 FT):	
1	Remove and Replace (in Kind) 500 SF of ceiling, suspended metal grid
2	Replace (in Kind) base, 4 IN vinyl, 50 LF long
{01-042} First Floor Room 315 Office (10 FT X 13 FT):	
1	Replace (in Kind) 130 SF of floor, VCT, 12 IN X12 IN
{01-042} First Floor Room 315 Office (130 SF):	
1	Replace (in Kind) base, 4 IN vinyl, 50 LF long
{01-043} First Floor Room 315 Inner Storage (12 FT X 20 FT):	
1	Replace (in Kind) 240 SF of floor, VCT, 12 IN X12 IN
2	Replace (in Kind) base, 4 IN vinyl, 64 LF long
{01-043} First Floor Room 315 Inner Storage (12 FT X 20 FT):	
1	Remove and Replace (in Kind) 240 SF of ceiling, suspended metal grid
{01-044} First Floor Room 314/313 (25 FT X 40 FT):	
1	Remove and Replace (in Kind) 1,000 SF of ceiling, suspended metal grid
2	Replace (in Kind) base, 4 IN vinyl, 15 LF long
{01-045} First Floor Inner Storage Room (90 SF):	
1	Remove and Replace (in Kind) 90 SF of ceiling, suspended metal grid
2	Repair, 90 SF of floor, sealed concrete, surfacing
{01-046} First Floor West Hallway (10 FT X 170 FT):	
1	Remove and Replace (in Kind) 1,700 SF of ceiling, suspended metal grid
2	Remove and Replace (in Kind) 1 each of light, 2 FT X 4 FT fluorescent, 4 tube, recessed
3	Remove and Replace (in Kind) 1 each of light, LED photocell, wall mount, 110W
4	Replace (in Kind) base, 4 IN vinyl, 250 LF long
{01-047} First Floor Room 310 D (8 FT X 10 FT):	

1	Remove and Replace (in Kind) 80 SF of ceiling, suspended metal grid
{01-047} First Floor Room 310 D (80 SF):	
1	Replace (in Kind) 80 SF of floor, VCT, 12 IN X12 IN
{01-048} First Floor Room 310 E (8 FT X 10 FT):	
1	Remove and Replace (in Kind) 80 SF of ceiling, suspended metal grid, loose
{01-049} First Floor Room 310 F Storage Room (8 FT X 10 FT):	
1	Remove and Replace (in Kind) 2 each of light, 2 FT X 4 FT fluorescent, 4 tube, recessed
2	Replace (in Kind) base, 4 IN vinyl, 36 LF long
3	Replace (in Kind) 80 SF of floor, VCT, 12 IN X12 IN
{01-050} First Floor Room 310 G (10 FT X 10 FT):	
1	Replace (in Kind) 100 SF of floor, VCT, 12 IN X12 IN
{01-051} First Floor Room 310 H (29 FT X 30 FT):	
1	Replace (in Kind) 870 SF of floor, VCT, 12 IN X12 IN
{01-052} First Floor Room 306 C (25 FT X 30 FT)	
1	Replace (in Kind) 750 SF of floor, VCT, 12 IN X 12 IN
{01-052} First Floor Room 306 C (750 SF):	
1	Remove and Replace (in Kind) 1 each of light, 2 FT X 4 FT fluorescent, 4 tube, recessed
{01-053} First Floor Janitor's Closet (5 FT X 14 FT):	
1	Remove and Replace (in Kind) 70 SF of ceiling, suspended metal grid
Note #2 <i>The vinyl tiles and bases removal is 100% complete.</i>	
Eligible Damages to be Mitigated:	
<ol style="list-style-type: none"> 1. 25,300 SF of BUR membrane, leak areas damaged by uplift and flying debris from high winds. 2. 19,956 SF ceiling, 2 FT X 4 FT acoustic tile, regular, suspended, damaged by water infiltration and mold propagation 3. 19,956 SF of ceiling, suspended metal grid, loose and bent damaged by water infiltration and mold propagation. 4. 21,600 SF of floor, VCT, 12 FT X 12 IN, loose, stained and removed damaged primarily by water intrusion/saturation and secondarily by mold propagation. 5. 565 L.F. base, 4 IN vinyl, damaged by water infiltration and mold propagation. 6. 502 SF of wall, 5/8 IN thick drywall, peeled, discolored damaged by water infiltration and mold propagation. 	

	7. 23,392 S.F. of interior masonry and drywall paint damaged by water infiltration and mold propagation. 8. 23,392 S.F. of interior mold contaminated surface area. 9. 16 each of light, 2 FT X 4 FT fluorescent, 4 tube, recessed, damaged by water infiltration and mold propagation. 10. 3 each of window glass 4.5 FT X 6.5 FT, broken by wind force and flying debris.
Roof Membrane and Fascia Reinforcement:	
1	Remove and replace 12 Ea. of cast iron roof drains, 3" diameter with cast iron dome.
2	Install 650 L.F. of non-corrosive cap flashing over roof parapet.
3	Install 650 L.F. of termination bar along roof perimeter.
4	Remove 3,050 S.F., 5' high x 610' long, of sheet rock wall located between perimeter walls and bottom of roof (fascia) and replace with 26 gauge steel siding fastened to roof trusses.
5	Remove 3,050 S.F., 5' high x 610' long, of strip metal cladding fascia soffit and replace with 26 gauge steel siding on metal frame.
Windows:	
1	Remove and replace weatherstripping of all windows, 1,696 S.F.
2	Install protective film over existing fixed, window and door glass panels.
Flooring Adhesive:	
1	Install vinyl flooring using waterproofing adhesive, 21,786 S.F.
Interior Paint Waterproofing:	
1	Apply one coat of waterproofing sealer prior to paint job on 23,392 S.F. of interior masonry and drywall surfaces.

b. PW 09520 - UPR CAYEY

i. LOCATION PLAN



ii. DESCRIPTION

The building is a 2,400 SF cast-in-place, reinforced concrete building with reinforced concrete floors and walls interior. The exterior site has 246 SF of wooden covered walkway to gazebo and wooden gazebo of 441 SF. The roof system consists of cold-formed C-purlins bearing over structural steel frames and corrugated metal roof with a 3/12 pitch. Interior finishes generally consist of suspended acoustic ceiling tile, painted concrete or drywall and vinyl floor tile. The facility was in use by the moment of the incident.

iii. SCOPE OF WORK- FEMA

Building 176 Centro de Cuidado Diurno		
PA Works		
{00-001} Roof, General Exterior, (40 FT x 67 FT):		
1	Remove and replace, 1 each of PVC, roof drainage pipe of (4-IN diam), 80 LF long.	
2	Re-nail and reseal, 2,680 SF of corrugated metal roof panels, 40 FT long x 67 FT wide.	
{00-002} Roof, General Interior, (40 FT x 60 FT):		
3	Remove and replace, 2,400 SF of insulation roof system, for corrugated metal roof panels, 40 FT long x 60 FT wide. See project note 1.	
{01-003} Room 100, Reception, (11 FT x 14 FT):		
4	Remove and replace, 154 SF of 2 FT x 4 FT, acoustic ceiling tile, suspended, 14 FT long x 11 FT wide.	
5	Remove and replace, 1 each of electronic security fire alarm system.	
{01-004} Room 101, Storage Room, (5 FT x 5 FT):		

	6	Remove and replace, 25 SF of 2 FT x 4 FT, acoustic ceiling tile, suspended, 5 FT long x 5 FT wide.
{01-005} Room 102 A, Teacher's Room, (11 FT x 9 FT):		
	7	Remove and replace, 99 SF of 2 FT x 4 FT, acoustic ceiling tile, suspended, 11 FT long x 9 FT wide.
	8	Remove and replace, 2 each of wood closet doors, 2.5 FT wide x 7 FT high.
{01-006} Room 102 B, Director's Office, (11 FT x 9 FT):		
	9	Remove and replace, 99 SF of 2 FT x 4 FT, acoustic ceiling tile, suspended, 11 FT long x 9 FT wide.
	10	Remove and replace, 2 each of 2 FT x 4 FT, fluorescent ceiling mount with four (4) tubes light. BBA.
{01-007} Room 103, Bathroom, (5 FT x 5 FT):		
	11	Remove and replace, 25 SF of 2 FT x 4 FT, acoustic ceiling tile, suspended, 5 FT long x 5 FT wide.
	12	Remove and replace, 1 each of air extractor, 5 FT long x 5 FT wide.
{01-008} Room 104, Classroom, (29 FT x 29 FT):		
	13	Remove and replace, 841 SF of 2 FT x 4 FT, acoustic ceiling tile, suspended, 29 FT long x 29 FT wide.
	14	Remove and replace, 1 each of semi solid, wood door, 3 FT wide x 7 FT high.
	15	Remove and replace, 1 each of A/C split unit 36000 Btu's.
{01-009} Room 105 Boy's Bathroom, (10 FT x 5 FT):		
	16	Remove and replace, 50 SF of 2 FT x 4 FT, acoustic ceiling tile, suspended, 10 FT long x 5 FT wide.
{01-010} Room 106, Girl's Bathroom, (10 FT x 5 FT):		
	17	Remove and replace, 50 SF of 2 FT x 4 FT, acoustic ceiling tile, suspended, 10 FT long x 5 FT wide.
{01-011} Room 106, Hallway, (20 FT x 3 FT):		
	18	Remove and replace, 60 SF of 2 FT x 4 FT, acoustic ceiling tile, suspended, 20 FT long x 3 FT wide.
{01-012} Room 107, Kitchen, (10 FT x 15 FT):		
	19	Remove and replace, 1 each of exhaust roof ventilator system.
	20	Remove and replace, 150 SF of 2 FT x 4 FT, acoustic ceiling tile, suspended, 15 FT long x 10 FT wide.
{01-013} Room 107 B, Food Storage Room, (15 FT x 6 FT):		
	21	Remove and replace, 90 SF of 2 FT x 4 FT, acoustic ceiling tile, suspended, 15 FT long x 6 FT wide.
	22	Remove and replace, 1 each of A/C wall units 18000 Btu's.
{01-014} Covered Walkway to Gazebo, (41 FT x 6 FT):		
	23	Remove and replace, 246 SF of wooden roof panels, 41 FT long x 6 FT wide.
	24	Remove and replace, 246 SF of asphaltic waterproofing membrane system for gazebo hallway, 41 FT long x 6 FT wide.
{01-015} Gazebo, (21 FT x 21 FT):		
	25	Remove and replace, 441 SF of wood roof deck for gazebo, 21 FT long x 21 FT wide.

	26	Remove and replace, 441 SF of asphalt waterproofing membrane for wooden gazebo, 21 FT long x 21 FT wide.
{01-016} Parking Lot Light:		
	27	Remove and replace, 1 each of luminaire, single cobra arm, mounted on concrete pole.
{01-017} Perimeter Fence, (60 FT x 6 FT):		
	28	Remove and replace, standard chain link fence, Ga.12, made in galvanized steel mesh with one (1) vertical galvanized steel posts (sch. 40) of 1.5-IN (diameter), every ten (10 FT) spacing and one (1) top and bottom horizontal galvanized steel post of 1.5-IN (diameter), 60 LF Long x 6 LF Height.
{01-018} Perimeter Fence, (350 FT x 8 FT):		
	29	Remove and replace, standard chain link fence, Ga.12, made in galvanized steel mesh with one (1) vertical galvanized steel posts (sch. 40) of 1.5-IN (diameter), every ten (10 FT) spacing and one (1) top and bottom horizontal galvanized steel post of 1.5-IN (diameter), 350 LF Long x 8 LF Height.
BBA Works		
{00-002} Roof, General Interior, (40 FT x 60 FT):		
	1	1.Install one (1) ceiling mounted occupancy sensors, one (1) per each 600 SF of room area - damaged lighting is functional dependent on sensor to meet code requirement. Depending on the room sizes, several occupancy sensors will be necessary to operate lighting fixture system. The sensor shall be positioned in the ceiling, room area for best functionality. New conduit and corresponding wiring will be necessary for sensor installation. Consider conduit installation to nearest lighting system junction box and wiring of sensor to existing circuit. Considering a minimum of 20ft of EMT conduit and 60ft of existing gauge electrical copper wire (minimum allowable: THWN #12 stranded copper wire). If the corresponding circuit wiring is not accessible, consider conduit and corresponding wiring to the nearest lighting panel board.
HMP Works		
{00-001} Roof, General Exterior, (40 FT x 67 FT):		
	1	Building Exterior, 1 each of PVC, roof drainage pipe of (4-IN diam), 80 LF long. Add Repetitive Decrease strap spacing. Double the amount, one strap every 5 feet and one additional hanger over a 10 ft span
{01-008} Room 104, Classroom, (29 FT x 29 FT):		
	2	Building Interior, 1 each of semi solid, wood door, 3 FT wide x 7 FT high. Replace Doors hollow metal, commercial steel flush, full panel, hollow core 1 3/8" thick 20 gauge 3'x7'
	3	Building Interior, 1 each of A/C split unit 36000 Btu's, electrical. Chemical anchoring, for fastener 3/4" diameter x 6 embedment include epoxy cartridge exclude, layout drilling & fastener
{01-012} Room 107, Kitchen, (10 FT x 15 FT):		
	4	Building Exterior, 1 each of exhaust roof ventilator system blown away. When replacing / repairing roof top units, add an anchoring system for each unit that will resist expected wind pressure during a similar event.

{01-017} Perimeter Fence, (60 FT x 6 FT): 9 posts		
5	Exterior Site, standard chain link fence, Ga.12, made in galvanized steel mesh with one (1) vertical galvanized steel posts (sch. 40)	
	Replace	
	1 Change from 10 FT on center to 8FT on center to allow for the 7.5-ft break-away panels (8 posts).	
	2 Replace posts from 2 IN to 3 IN diameter.	
	3 Bury post 3 ft deep instead of 2 feet deep	
	4 Add galvanized wire at the bottom to brace fence between posts and secure to posts with brace bands.	
	This will include additional concrete for the footing and labor for excavation and installation. 6 FT high fence: 9 posts @ 8 ft long each = 72 LF, to 11 posts @ 9 ft long each = 99 LF	
{01-018} Perimeter Fence, (350 FT x 8 FT): 45 posts		
6	Exterior Site, standard chain link fence, Ga.12, made in galvanized steel mesh with one (1) vertical galvanized steel posts (sch. 40)	
	Replace	
	1 Change from 10 FT on center to 8FT on center to allow for the 7.5-ft break-away panels (8 posts).	
	2 Replace posts from 2 IN to 3 IN diameter.	
	3 Bury post 3 ft deep instead of 2 feet deep	
	4 Add galvanized wire at the bottom to brace fence between posts and secure to posts with brace bands.	
	This will include additional concrete for the footing and labor for excavation and installation. 6 FT high fence: 9 posts @ 8 ft long each = 72 LF, to 11 posts @ 9 ft long each = 99 LF	
	This will include additional concrete for the footing and labor for excavation and installation. 10 FT high fence: 9 posts @ 12 ft long each= 108 LF, to 11 posts @ 13 ft long each=143 LF	

c. PW 10170 - UPR CAYEY

i. LOCATION PLAN



ii. DESCRIPTION

1. Building 136: Edificio Miguel Meléndez Muñoz

The building, which is 4 stories, is a cast-in-place, reinforced concrete building with a reinforced concrete roof and a bituminous built-up roofing system. The interior includes reinforced concrete bearing walls with a reinforced concrete floor slab on grade. Interior finishes generally consist of suspended acoustic ceiling, painted concrete or drywall and vinyl floor tile. There are no elevators in the building. The building is a classroom & faculty office building and was in use at the time of the event. The facility was in use by the time of the storm event.

2. Building 152: Arturo Morales Carrion

The UPR Cayey Edificio 152 Arturo Morales Carrion (1-52) building with areas like Amphitheatres, Administrative Offices, Meeting Rooms, Lecture Rooms and Classrooms was constructed in 1979 (40 years old). The building has 4 stories with a Rectangular-Shape footprint totaling 70,516 SF. The building is composed of a series of 5 blocks interconnected by a common corridor along an east/west axis. From east to west there is the theater/office block (3 stories), entry pavilion/stair tower (3 stories), theater/meeting rooms block (3 stories), lecture hall/office block (4 stories), and the classroom tower (4 stories)

served by two elevators. The building structure is a cast-in-place concrete slab and reinforced concrete walls with CMU (Concrete Masonry Units) infill with plaster finish. Floor and roof plates are a combination of cast-in-place flat plate and pan joist construction. The roof is a Modified Bitumen (MB) roofing system with granular surface. The exterior windows are Miami type aluminum jalousie, metal doors and glazed aluminum storefronts. Interior finishes generally consist of acoustic ceiling system, painted plaster finish, ceramic tiles, vinyl-covered on walls and drywalls. Flooring include Vinyl Composition Tile (VCT), ceramic tile and exposed concrete. This facility was in operation at the time of the event.

3. Building 173: Gimnasio

The "Gimnasio" building is a 25,800 SF (150 FT x 172 FT), that was constructed in 1986 (36 years old). This gymnasium building is a two-story cast-in-place, reinforced concrete building with a standing seam metal roof and a 5 FT roof overhang. The interior includes reinforced concrete bearing walls with a reinforced concrete floor slab on grade. Interior finishes generally consist of suspended acoustic ceiling, painted concrete or drywall and vinyl floor tile. This location also includes a separate Cafeteria of 169 SF (13 FT x 13 FT). This facility was in operation at the time of the event.

iii. SCOPE OF WORK- FEMA

A. Building 136 Edificio Miguel Meléndez Muñoz		
PA Works		
{00-001}/Building Exterior/:		
1	Remove and Replace (in-kind) 5 each of glass Window, 4 FT long x 6 FT wide	
2	Remove and Replace (in-kind) 2 each of metal door and frame, 3 FT long x 7 FT wide	
3	Remove and Replace (in-kind) 3 each of AC/ TGM/ Model:JS4BD-060CB 5 Ton./ 208/230 volts./ Phase:3/ 60Hz/ 17.4A/ 21.4 A [Min. Circuit Amp.]	
4	Prepare, Prime and Paint, 3,590 SF (in-kind)	
{00-002}/Building Exterior/:		
5	Remove and Replace (in-kind) 20 each of treated plywood sheathing, 4 FT long x 8 FT wide	
6	Remove and Replace 17,770 SF of BUR membrane Elastomeric Roofing System	
7	Remove and Replace (in-kind) 1 each of metal Door and frame, 3 FT long x 7 FT wide	
8	Remove and Replace (in-kind) 2 each of AC/ TGM/ Model:JS4BD-060CB 5 Ton./ 208/230 volts./ Phase:3/ 60Hz/ 17.4A/ 21.4 A [Min circuit amp.]	

	9	Remove and Replace (in-kind) 2 each of Lithonia THD 400MP A15 TB SCWA LPI Open High Bay Industrial Metal Halide 400W Metal halide lamp, pole mount
	10	Remove and Replace (in-kind) 10 each of America Fan SMN-10/ 942842F/ 93 310 PX Exterior Exhaust Fan/ [1,000 CFM]
	11	Remove and Replace (in-kind) 1 each of Panel Schneider Electric HOM2448M100PCVP/UL Certified Homeline 100 Amp 24-Space 48-Circuit Indoor Main Breaker Load Center with Cover - Value Pack (Plug-on Neutral Ready)
	12	Remove and Replace (in-kind) 1 each of Exterior Exhaust Fan [1,000 CFM]
{00-003}/Building Interior:		
	13	Prepare Prime and Paint, (in-kind) 21,540 SF of painted surfaces (about 20%)
{01-004}/ Third Floor Room # 305/:		
	14	Remove and Replace (in-kind) vinyl base, 4 IN, 100 FT long
	15	Remove and Replace (in-kind) 576 SF of VAT flooring tiles, 12IN x 12IN
{01-005}Third Floor Room #316/ Women's Restroom/:		
	16	Remove and Replace (in-kind) 260 SF of ceramic tile, 2IN x 2IN
	17	Remove and Replace (in-kind) 143 SF of ceramic tile, 2IN x 2IN
{01-006}/Third Floor Room # 311/:		
	18	Repair (in-kind) 1/4 IN thick plaster, wall, 2 FT long
	19	Remove and Replace (in-kind) 961 SF of VAT flooring tiles, 12 IN x 12IN
	20	Remove and Replace (in-kind) vinyl base, 4 IN, 124 FT long
	21	Remove and Replace (in-kind) 16 each of 2 tubes T-8 Fluorescent [clear lens] troffer light fixture, 2 FT long x 4 FT wide
	22	Remove and Replace (in-kind) 2 each of HC wood frame Door and frame, 3 FT long x 7 FT wide
{01-007}/Third Floor/Room #304/:		
	23	Remove and Replace (in-kind) 1 each of 2 tubes T-8 Fluorescent [clear lens] troffer light fixture, 2 FT long x 4 FT wide
{01-008}/Third Floor Room # 301/:		
	24	Remove and Replace (in-kind) 1 each of Cover, doble pole Electric outlet
	25	Remove and Replace (in-kind) 3 each of 2 tubes T-8 Fluorescent [clear lens] troffer light fixture, 2 FT long x 4 FT wide
	26	Repair (in-kind) 1/4 IN wall plaster, 10 FT long
{01-009}/Third Floor/Room # 302/:		
	27	Remove and Replace (in-kind) vinyl base, 4 IN, 134 FT long
	28	Remove and Replace (in-kind) 1,120 SF of VAT flooring tiles, 12 IN x 12IN
	29	Remove and Replace (in-kind) 3 each of 2 tubes T-8 Fluorescent [clear lens] troffer light fixture, 2 FT long x 4 FT wide
	30	Remove and Replace (in-kind) 1 each of HC wood frame Door and frame, 36 IN long x 84 IN wide
{01-010}/Third Floor/Men's Restroom/:		

	31	Remove and Replace (in-kind) 40 SF of ceramic tile, 2IN x 2IN
	32	Repair (in-kind) 1/4 IN wall plaster, 20 FT long
	33	Remove and Replace (in-kind) 1 each of 2 tubes T-8 Fluorescent [clear lens] troffer light fixture, 2 FT long x 4 FT wide
	34	Remove and Replace (in-kind) 1 each of HC wood frame Door and frame, 36 IN long x 84 IN wide
{01-012}/Third Floor/Hallway/:		
	35	Remove and Replace (in-kind) 6 each of 2 tubes T-8 Fluorescent [clear lens] troffer light fixture, 2 FT long x 4 FT wide
	36	Remove and Replace (in-kind) 2 each of push button Water fountain
	37	Remove and Replace (in-kind) 24 SF of 1/4 IN thick ceiling plaster
{02-030}/Third Floor/Women's Restroom/:		
	38	Remove and Replace (in-kind) 1 each of 2 tubes T-8 Fluorescent [clear lens] troffer light fixture, 2 FT long x 4 FT wide
	39	Remove and Replace (in-kind) 1 each of HC wood frame Door and frame, 36 IN long x 84 IN wide
{02-031}/Second Floor/ Room # 219/:		
	40	Remove and Replace (in-kind) vinyl base, 4 IN, 42 FT long
{02-033}/Second Floor/Room # 206/:		
	41	Remove and Replace (in-kind) 1 each of 2 tubes T-8 Fluorescent [clear lens] troffer light fixture, 2 FT long x 4 FT wide
{02-033}/Second Floor/Room # 210 AA/:		
	42	Remove and Replace (in-kind) 9 each of 2 tubes T-8 Fluorescent [clear lens] troffer light fixture, 2 FT long x 4 FT wide
{02-034}/Second Floor: Room # 200/:		
	43	Remove and Replace (in-kind) 45 SF of 1/4 IN thick ceiling plaster
{02-036}/Second Floor/Room #201/:		
	44	Remove and Replace (in-kind) 2 each of 2 tubes T-8 Fluorescent [clear lens] troffer light fixture, 2 FT long x 4 FT wide
{02-037}/Second Floor/Room # 202/:		
	45	Remove and Replace (in-kind) 1 each of 2 tubes T-8 Fluorescent [clear lens] troffer light fixture, 2 FT long x 4 FT wide
{02-038}/Second Floor/Room/ Men's Restroom # 203/:		
	46	Remove and Replace (in-kind) 2 each of HC wood frame Door and frame, 36 IN long x 84 IN wide
	47	Remove and Replace (in-kind) 143 SF of ceramic tile, 2IN x 2IN
{02-039}/Second Floor/Room/ # 229/:		
	48	Remove and Replace (in-kind) 1 each of Model 38KCE009308/ Serial No./208-230V 60Hz A.C 1ph AC split unit, 12,000 BTU
	49	Remove and Replace (in-kind) 1 each of 2 tubes T-8 Fluorescent [clear lens] troffer light fixture, 2 FT long x 4 FT wide
{02-040}/Second Floor/Room/ #207/:		
	50	Remove and Replace (in-kind) 1 each of 2 tubes T-8 Fluorescent [clear lens] troffer light fixture, 2 FT long x 4 FT wide
{02-041}/Second Floor/ Hallway/:		

	51	Remove and Replace (in-kind) 1 each of 2 tubes T-8 Fluorescent [clear lens] troffer light fixture, 2 FT long x 4 FT wide
{03-057}/First Floor/Room# 107A/:		
	52	Remove and Replace (in-kind) 9 each of 2 tubes T-8 Fluorescent [clear lens] troffer light fixture, 2 FT long x 4 FT wide
{03-058}/First Floor/Women's Restroom/Room# 114/:		
	53	Remove and Replace (in-kind) 2 each of 2 tubes T-8 Fluorescent [clear lens] troffer light fixture, 2 FT long x 4 FT wide,
{03-059}/First Floor/Room# 113/:		
	54	Remove and Replace (in-kind) 2 each of 2 tubes T-8 Fluorescent [clear lens] troffer light fixture, 2 FT long x 4 FT wide
	55	Remove and Replace (in-kind) 10 SF of 5/8 inch drywall paint damage
{03-060}/First Floor/Room# 111 A/:		
	56	Remove and Replace (in-kind) 4 each of 2 tubes T-8 Fluorescent [clear lens] troffer light fixture, 2 FT long x 4 FT wide
{03-061}/First Floor/Room# 111 B/:		
	57	Remove and Replace (in-kind) vinyl base, 4 IN, 260 FT long
	58	Remove and Replace (in-kind) 432 SF of VAT flooring tiles, 12 IN x 12IN
	59	Remove and Replace (in-kind) 9 each of 2 tubes T-8 Fluorescent [clear lens] troffer light fixture, 2 FT long x 4 FT wide
{03-062}/First Floor/Room# 110/:		
	60	Remove and Replace (in-kind) vinyl base, 4 IN, 260 FT long
	61	Remove and Replace (in-kind) 270 SF of VAT flooring tiles, 12 IN x 12IN
	62	Remove and Replace (in-kind) 4 each of 2 tubes T-8 Fluorescent [clear lens] troffer light fixture, 2 FT long x 4 FT wide
{03-063}/First Floor/Room# 109/:		
	63	Remove and Replace (in-kind) 1 each of 2 tubes T-8 Fluorescent [clear lens] troffer light fixture, 2 FT long x 4 FT wide
{03-065}/First Floor/Room# 108/:		
	64	Remove and Replace (in-kind) 1 each of 2 tubes T-8 Fluorescent [clear lens] troffer light fixture, 2 FT long x 4 FT wide
{03-066}/First Floor/Room# 106/:		
	65	Remove and Replace (in-kind) vinyl base, 4 IN, 358 FT long
	66	Remove and Replace (in-kind) 760 SF of VAT flooring tiles, 12 IN x 12IN
	67	Remove and Replace (in-kind) 15 each of 2 tubes T-8 Fluorescent [clear lens] troffer light fixture, 2 FT long x 4 FT wide
{03-067}/First Floor/Men's Restroom/:		
	68	Remove and Replace (in-kind) 260 SF of ceramic tile, 2IN x 2IN, loosened
	69	Remove and Replace (in-kind) 2 each of 2 tubes T-8 Fluorescent [clear lens] troffer light fixture, 2 FT long x 4 FT wide
{03-068}/First Floor/Janitor's Closet/:		
	70	Remove and Replace (in-kind) 1 each of HC Wood frame Door and frame, 36 IN long x 84 IN wide
{03-069}/First Floor/Room# 101/:		

	71	Remove and Replace (in-kind) 9 each of 2 tubes T-8 Fluorescent [clear lens] troffer light fixture, 2 FT long x 4 FT wide
	72	Remove and Replace (in-kind) 1 each of 1/2 inch plywood, painted wall, 4 FT long x 8 FT wide
{03-070}/First Floor/Room# 100 B/:		
	73	Remove and Replace (in-kind) 432 SF of VAT flooring tiles, 12 IN x 12IN
	74	Remove and Replace (in-kind) vinyl base, 4 IN, 260 FT long
	75	Remove and Replace (in-kind) 32 SF of 5/8 inch drywall
{03-071}/First Floor/Room# 100 A/:		
	76	Remove and Replace (in-kind) 4 each of 2 tubes T-8 Fluorescent [clear lens] troffer light fixture, 2 FT long x 4 FT wide
	77	Remove and Replace (in-kind) 1/4 IN wall plaster, 20 FT long
{03-072}/First Floor/Room# 105/:		
	78	Remove and Replace (in-kind) 3 each of 2 tubes T-8 Fluorescent troffer light fixture, 2 FT long x 4 FT wide
{03-073}/First Floor/Hallway/:		
	79	Remove and Replace (in-kind) 858 SF of VAT flooring tiles, 12 IN x 12IN
	80	Remove and Replace (in-kind) 298 SF of vinyl base, 4 IN
	81	Remove and Replace (in-kind) 12 each of 2 tubes T-8 Fluorescent [clear lens] troffer light fixture, 2 FT long x 4 FT wide
	82	Remove and Replace (in-kind) 16 SF of 5/8 inch drywall
{03-074}/First Floor/Exterior Stairs/:		
	83	Remove and Replace (in-kind) 108 SF of ceramic tile, 6IN x 6IN
{04-084}/Basement/Room #015/:		
	84	Remove and Replace (in-kind) 936 SF of VAT flooring tiles, 12 IN x 12IN
{04-085}/Basement/Room #016/:		
	85	Remove and Replace (in-kind) 100 SF of VAT flooring tiles, 12 IN x 12IN
	86	Remove and Replace (in-kind) 6 SF of 1/4 IN wall plaster
{04-086}/Floor Harry Hernandez Office/:		
	87	Remove and Replace (in-kind) 450 SF of VAT flooring tiles, 12 IN x 12IN
{04-089}/Basement/Floor Room #013A/Closet/:		
	88	Remove and Replace (in-kind) 1 each of HC Wood frame Door and frame, 36 IN long x 84 IN wide
	89	Remove and Replace (in-kind) 20 SF of 1/4 IN wall plaster
{04-090}/Basement 2/:		
	90	Repair (in-kind) 1,536 SF of sealed concrete floor
	91	Remove and Replace (in-kind) 1 each of single pole light switch
	92	Remove and Replace (in-kind) 2 each of 2 tubes T-8 Fluorescent troffer light fixture, 2 FT long x 4 FT wide
{04-091}/Basement 005/:		
	93	Remove and Replace (in-kind) vinyl base, 4 IN, 328 FT long
	94	Remove and Replace (in-kind) 713 SF of VAT flooring tiles, 12 IN x 12IN
	95	Remove and Replace (in-kind) 1 each of 2 tubes T-8 Fluorescent [clear lens] troffer light fixture, 2 FT long x 4 FT wide

{04-092}/Basement Floor Restroom/:		
	96	Remove and Replace (in-kind) 1 each of HC Wood frame Door and frame, 24 IN long x 84 IN wide
	97	Remove and Replace (in-kind) 30 SF of floor ceramic tile, 12IN x 12IN
	98	Remove and Replace (in-kind) 136 SF of wall ceramic tile, 2IN x 2IN
{04-093}Floor Room # 009/:		
	99	Remove and Replace (in-kind) 100 SF of VAT flooring tiles, 12 IN x 12IN
{04-094}/ Floor Room # 011/:		
	100	Remove and Replace (in-kind) 100 SF of VAT flooring tiles, 12 IN x 12IN
{04-095}/ Floor Dr. Ross's Office/:		
	101	Remove and Replace (in-kind) 100 SF of VAT flooring tiles, 12 IN x 12IN
BBA Works		
{00-001}/Building Exterior/:		
	1	Install twenty-seven (27) ceiling mounted occupancy sensors, one (1) per each 600 SF of room area - damaged lighting is functional dependent on sensor to meet code requirement. Depending on the room sizes, several occupancy sensors will be necessary to operate lighting fixture system. The sensor shall be positioned in the ceiling, room area for best functionality. New conduit and corresponding wiring will be necessary for sensor installation. Consider conduit installation to nearest lighting system junction box and wiring of sensor to existing circuit. Considering a minimum of 20ft of EMT conduit and 60ft of existing gauge electrical copper wire (minimum allowable: THWN #12 stranded copper wire). If the corresponding circuit wiring is not accessible, consider conduit and corresponding wiring to the nearest lighting panel board.

	2	Install five (5) outside air compliant direct expansion (DX) 60,000 Btu A/C unit and one (1) outside air compliant direct expansion (DX) 12,000 Btu A/C unit, in place of all items described in disaster related damages components of HVAC system described above for capacity to meet exchange standard. For enclosing of Air Handling Unit (AHU), construct a mechanical closet made of insulated gypsum board walls (3 sides) and a minimum 1hr fire rated hollow metal door to install necessary AHU with DX compatible coil and corresponding appurtenances such as: support base, Louver for fresh air w/ damper, supply register w/ opposed blade damper, galvanized ductwork, return air side louver, drainage piping, thermostat, 1/2" EMT conduit for thermostat control, insulated DX piping and communication cable to connect to condensing unit (CU). <u>Electric Power BBA Work required:</u> In addition to the interior work, exterior rooftop installation (where possible) of the condensing unit will be necessary to complete the refrigeration system needing connection of DX piping from interior (approx. 30 Ft. run) Air Handling Unit (AHU), 3#18 control cable from AHU, 5/16" clear coated galvanized two way tie down wires. For the electrical scope both units need dedicated circuits directly from the panelboard, consider the following: 1) AHU - route new branch circuit from panelboard with 3#10 THWN copper wire in 3/4" EMT including disconnecting means (equal or similar to a 30amp Safety switch) with flexible conduit to power the unit and 2) CU -route new branch circuit from panelboard w/ 3#8 THWN copper wire in 3/4" EMT for interior and RGC when exposed to exterior and/or to impact, including disconnecting means (equal or similar to a 30amp Safety Switch) with flexible conduit to power the unit. Please account for the demolition for penetrations as well as the necessary masonry.
HMP Works		
{00-001}/Opening/ Window /Building Exterior/: 5 each of glass Window, 4 FT long x 6 FT wide		
	1	Add Window Film to repaired windows can prevent water infiltration if cracked again in the future.
{00-001}/Opening/Door /Building Exterior/: 2 each of metal door and frame, 3 FT long x 7 FT wide		
	2	Install a water stripping for (2) door opening to prevent water infiltration.
{00-002} Roofing System /Building Exterior/: 17,770 SF of BUR membrane Elastomeric Roofing System		
	3	Replace SBS base sheet with a thicker base sheet for more resistance to damage. Remove existing SBS lightweight base sheet and replace with a heavyweight base sheet. Area of SBS sheet = 17,770 S.F.
	4	Provide asphalt adhesive to adhere SBS surface sheet to base sheet. Area of SBS sheet = 17,770 S.F.
	5	Provide a lightweight slope fill to improve the slope of flat roof and ensure proper drainage preventing infiltration damages to the interior. Maximum area of slope to repair = 17,770 S.F.
	6	Provide a peel-stop bar to prevent roof membrane from peeling off. Bar length = 750 ft
	7	Install additional metal screws to improve fastening pattern on metal roof flashing = 7.5 SQ

{00-002}/Roofing/ Building Exterior/ System/Door/ 1 each of metal Door and frame, 3 FT long x 7 FT wide.		
	8	Install a water stripping for (2) door opening to prevent water infiltration.
{03-059}/Finishes/Wall/Building Interior/ First Floor/Room# 113/ 10 SF of 5/8 inch drywall paint		
	9	Replace 32 SF gypsum wallboard on wall with water resistant wall boards to prevent water damage and mold growth from water intrusion.
{03-070}/Finishes/Wall/Building Interior/ First Floor/Room# 100 B/: Building Interior, 32 SF of 5/8 inch drywall		
	10	Replace 32 SF gypsum wallboard on wall with water resistant wall boards to prevent water damage and mold growth from water intrusion.
{03-073}/Finishes/Wall/Building Interior/ First Floor/Hallway/: 16 SF of 5/8 inch drywall		
	11	Replace 32 SF gypsum wallboard on wall with water resistant wall boards to prevent water damage and mold growth from water intrusion.

B. Building 152 Edificio Arturo Morales Carrion		
PA Works		
{00-001} Exterior General:		
	1	Prepare Prime and Paint, 5,675 SF of surfaces
	2	Remove and Replace 8 each of window, Miami style, 3 FT x 5 FT, jalousie, aluminum
	3	Remove and Replace handrail, pipe, 2.5 IN diameter, steel, top rail, painted, 32 LF long
	4	Remove and Replace handrail, pipe, 2.5 IN diameter, steel, intermediate rail, painted, 42 LF long
	5	Remove and Replace handrail, pipe, 1.5 IN diameter, steel, post @6 FT, painted, 6 LF long
	6	Remove and Replace 1,000 SF of ceiling, surface
{00-002} Roofing System:		
	7	Remove 21,641 SF of roof, Built-Up Roofing (BUR) membrane, 4 ply and replace with Code Compliant 4 ply SBS Modified Bitumen with Insulation (see scope note 1 and 2)
{00-003} Interior General:		
	8	Prepare Prime and Paint, 8,323 SF of surfaces
{01-004} 4th Floor Room 408 Classroom (19 FT x 24 FT):		
	9	Remove and Replace 10 SF of ceiling, textured (Popcorn finish)
{01-005} 4th Floor Room 402 Classroom (20 FT x 24 FT):		
	10	Remove and Replace 50 SF of ceiling, textured (Popcorn finish)
{01-006} 4th Floor Room 403 Classroom (20 FT x 25 FT):		
	11	Remove and Replace flooring, cove base, vinyl, 4 IN, 45 LF long
	12	Remove and Replace 250 SF of flooring, Vinyl Composition Tile (VCT), 12 IN x 12 IN

	13	Remove and Replace 125 SF of ceiling, textured (Popcorn finish)
	14	Remove and Replace 1 each of lighting fixture, fluorescent, 2 FT X 4 FT, 4 lamps, prismatic lens, pendant
{01-007} 4th Floor Annex Stair Lobby (25 FT x 25 FT):		
	15	Remove and Replace 50 SF of ceiling, textured (Popcorn finish)
	16	Remove and Replace 2 each of lighting fixture, fluorescent, 2 FT X 4 FT, 4 lamps, prismatic lens
{02-008} 3rd Floor Annex Main Corridor (8 FT x 100 FT):		
	17	Remove and Replace 16 SF of ceiling system, acoustic tile, 2 FT x 4 FT, suspended
{02-009} 3rd Floor Room 342 Men's Rest Room (12 FT x 19 FT):		
	18	Remove and Replace 1 each of lighting fixture, fluorescent, 2 FT X 4 FT, 4 lamps, prismatic lens, pendant
{02-010} 3rd Floor Room 302 Classroom (20 FT x 24 FT):		
	19	Remove and Replace 20 SF of ceiling, textured (Popcorn finish)
{02-011} 3rd Floor Annex Stair Lobby (25 FT x 25 FT):		
	20	Remove and Replace 100 SF of ceiling, textured (Popcorn finish)
{02-012} 3rd Floor Room 311 Classroom (20 FT x 24 FT):		
	21	Remove and Replace 1 each of lighting fixture, fluorescent, 2 FT X 4 FT, 4 lamps, prismatic lens, surface mounted
{02-013} 3rd Floor Room 310 Classroom (20 FT x 24 FT):		
	22	Remove and Replace 1 each of lighting fixture, fluorescent, 2 FT X 4 FT, 4 lamps, prismatic lens, pendant
{02-014} 3rd Floor Room 307 Classroom (20 FT x 24 FT):		
	23	Remove and Replace 48 SF of ceiling, textured (Popcorn finish)
{03-015} 2nd Floor Room 204 Classroom (20 FT x 24 FT):		
	24	Remove and Replace 6 each of lighting fixture, fluorescent, 2 FT X 4 FT, 4 lamps, prismatic lens, pendant
{03-016} 2nd Floor Room 210 Classroom (20 FT x 24 FT):		
	25	Remove and Replace 1 each of lighting fixture, fluorescent, 2 FT X 4 FT, 4 lamps, prismatic lens, pendant
{03-017} 2nd Floor Annex Stair Lobby (25 FT x 25 FT):		
	26	Remove and Replace 100 SF of ceiling, textured (Popcorn finish)
BBA Works		
{00-001} Exterior General:		

	1	Install eight (8) ceiling mounted occupancy sensors, one (1) per each 600 SF of room area - damaged lighting is functional dependent on sensor to meet code requirement. Depending on the room sizes, several occupancy sensors will be necessary to operate lighting fixture system. The sensor shall be positioned in the ceiling, room area for best functionality. New conduit and corresponding wiring will be necessary for sensor installation. Consider conduit installation to nearest lighting system junction box and wiring of sensor to existing circuit. Considering a minimum of 20ft of EMT conduit and 60ft of existing gauge electrical copper wire (minimum allowable: THWN #12 stranded copper wire). If the corresponding circuit wiring is not accessible, consider conduit and corresponding wiring to the nearest lighting panel board.
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HMB Works

{00-002} Roofing System:

	1	Replace SBS base sheet with a thicker base sheet for more resistance to damage. Remove existing SBS lightweight base sheet and replace with a heavyweight base sheet. Area of SBS sheet = 21,641 S.F.
	2	Provide asphalt adhesive to adhere SBS surface sheet to base sheet. Area of SBS sheet = 21,641 S.F.
	3	Provide a lightweight slope fill to improve the slope of flat roof and ensure proper drainage preventing infiltration damages to the interior. Maximum area of slope to repair = 21,641 S.F.
	4	Provide a peel-stop bar to prevent roof membrane from peeling off. Bar length = 1,260 ft
	5	Install additional metal screws to improve fastening pattern on metal roof flashing = 12.6 SQ

Building 173 Edificio Gimnasio

PA Works

{00-001} Exterior Fencing

	1	Remove and Replace Steel Galvanized Cyclone Fence consisting of 2.5-inch diameter post every 10 ft., horizontal top rail of 1.5-inch diameter and gage # 8 mesh, 320 FT long x 8 FT high
	2	Exterior Site, 2 each of Steel Galvanized, 1-inch by 1-inch square pipe Gates, 21 FT long x 8 FT high

{00-001} Exterior General

	3	Exterior Site, 1 each of Concrete Bench and Table Set, 3.5 FT long x 3.5 FT wide x 3 FT high
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{00-001} Exterior HVAC System

	4	Remove and Replace 2 each of Brand; Carrier, Model-GEMINI central air conditioning units, compressors, 7.5 tons each
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{00-001} Exterior Lighting

	5	Remove and Replace 3 each of T-8, Fluorescent Troffer Lighting Fixture in Skylight, 4 FT long x 1 FT wide
	6	Remove and Replace 6 each of T-12 U-Shaped, 6-inch leg spacing Fluorescent Lighting Fixtures, 2 FT long x 2 FT wide
{00-001} Exterior Opennings		
	7	Remove and Replace 4,400 SF of Yellow Acrylic Building Perimeter Canopy Panels, 550 FT long x 8 FT wide
	8	Remove and Replace 240 SF of Steel Painted Mesh with Metal Frame, 30 FT long x 8 FT wide
	9	Remove and Replace 3 each of Aluminum Jalousie Windows, 2.5 FT wide x 8 FT high
	10	Exterior Site, 420 SF of Acrylic Frosted Skylight, 60 FT long x 7 FT wide
{00-001} Exterior Paint		
	11	Prepare Prime and Paint, 19,642 SF of Walls Surface
	12	Prepare Prime and Paint 612 SF of Aluminum Jalousie Windows Paint, 68 FT long x 9 FT high
{00-002} Roof (172 FT x 150 FT):		
	13	Remove and Replace 25,800 SF of Steel Galvanized Type, Irregular Shape Roof Panels, 172 FT long x 150 FT wide
	14	Remove and Replace 6,440 SF of Aluminum, Gage 26 Type Siding Fascia Trim with Flashing, 644 LF long x 10 FT high
	15	Remove 25,800 SF of Bituminous Type Waterproofing Roof System and Replace with Code Compliant SBS Modified Roofing with Insulation, 172 FT long x 150 FT wide. See scope note 1
{00-002} Interior		
	16	Remove and Replace 6 each of Manual Steel Galvanized Type Rolling Doors, 12 FT wide x 15 FT high
	17	Remove and Replace 3 each of Metal Doors with Louvers, 3.25 FT wide x 8 FT high
{01-001} 1st Floor		
	18	Repair 684 SF of Men Bathroom Ceramic Floor Tiles , 36 FT long x 19 FT wide
{01-002} GYM		
	19	Remove and Replace 10 each of T-8, 4-Tube, Fluorescent Troffer Lighting Fixtures, 4 FT long x 2 FT wide
	20	Remove and Replace 1,830 SF of Suspended Mineral Fiber, 4 FT x 2FT dimensions Acoustic Ceiling Tiles
{01-003} Lighting		
	21	Remove and Replace 6 each of Wall Mount Emergency Dual Lamps, 40 Watt
	22	Remove and Replace 6 each of T-8, 4-Tube, Fluorescent Troffer Lighting Fixtures, 4 FT long x 2 FT wide
	23	Remove and Replace 12 each of Aluminum Type, 15-inch diameter Indoor Lighting Pendant, 250 Watt
	24	Remove and Replace 4 each of Thin Red LED, White Housing Emergency Exit Signs, 12 IN long x 8 IN wide x 1 IN deep

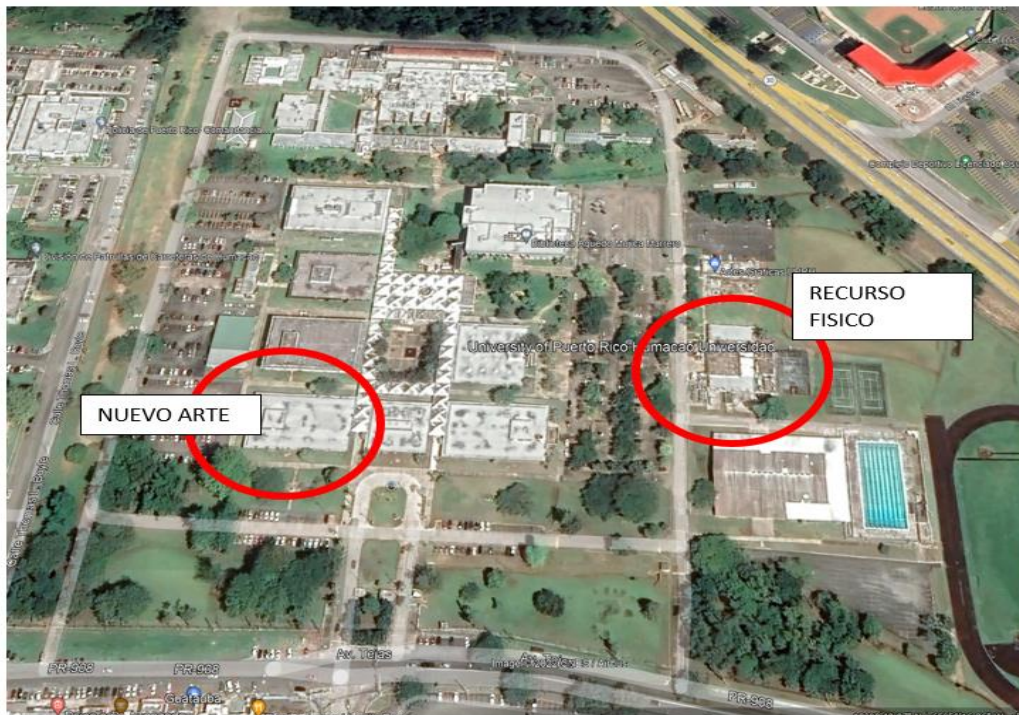
	25	Remove and Replace 9 each of High-Pressure Sodium Wall Mount Lamps, 16 IN long x 15 IN wide x 8 IN deep
	26	Remove and Replace 10 each of T-8, 2-Tube, Fluorescent Troffer Lighting Fixtures, 4 FT long x 1 FT wide
{01-004} Canteen Roof (13 FT x 13 FT):		
	27	Remove and Replace 491 SF of Treat Plywood, 0.5-inch thick, 2/12 Pitch Gable Type Roof with eave and gable overhang of 1.5 ft. and dimensions of, 19 FT long x 19 FT wide
	28	Remove and Replace 447 SF of Asphalt Gable Roof Shingles: 2/12 Pitch Gable Type with eave and gable overhang of 1.5 ft., 19 FT long x 19 FT wide
	29	Remove and Replace 491 SF of Elastomeric Waterproofing Membrane: 2/12 Pitch Gable Type with eave and gable overhang of 1.5 ft., 19 FT long x 19 FT wide
{01-004} [05] Classrooms & Archives Room:		
	30	Remove and Replace 6,140 SF of Concrete Walls Paint, 614 FT long x 10 FT high
	31	Repair 1,200 SF of Ceramic Floor Tiles, 30 FT long x 40 FT wide
	32	Remove and Replace, 1 each of Brand; NORDYNE, Model; GS3BA-060CB A/C Unit, 60,000 BTUs
	33	Exterior Site, 800 SF of Suspended Mineral Fiber Acoustic Ceiling Tiles, 40 FT long x 20 FT wide
	34	Prepare Prime and Paint, 6,000 SF of Concrete Exterior Walls Paint, 600 FT long x 10 FT high
	35	Remove and Replace, 1 each of French Style, White Color Glass Windows, 4 FT long x 4 FT high
{02-002} Site # 02-Track & Field (18.118175, -66.155398):		
	36	Exterior Site, 168 SF of Metal Type Track & Field House Entrance Sign , 21 FT long x 8 FT high
	37	Exterior Site, 620 SF of Metal Type Track & Field Entrance Sign, 31 FT long x 20 FT high
	38	Exterior Site, 8,000 SF of Rubber Race Track Floor, 200 FT long x 40 FT wide
	39	Exterior Site, 66 each of PVC Perimeter Fence, 20 FT long x 4 FT high
	40	Exterior Site, 4 each of PVC Gates, 5 FT wide x 6 FT high
	41	Not included. See scope note 2.
	42	Prepare Prime and Paint, 7,864 SF of Concrete Walls Fence Paint on both sides
{02-003} Site # 03-CADMe Building Exterior (18.117495, -66.154599):		
	43	Remove and Replace 2 each of Glass with Slats of 3-inch-wide Windows, 8 FT long x 2 FT wide
{02-003} Site # 03-CADMe Building Interior (18.117495, -66.154599):		
	44	Remove and Replace 7 each of Low Pile Floor Carpet Rooms each of, 24.5 FT long x 20 FT wide
	45	Remove and Replace 490 SF of Suspended Mineral Fiber Acoustic Ceiling Tiles, 2 FT x 2 FT on Classroom, 24.5 FT long x 20 FT wide

	46	Remove and Replace 825 SF of Suspended Mineral Fiber, 2 FT x 2 FT dimensions Acoustic Ceiling Tiles on Hallway, 75 FT long x 11 FT wide
BBA Works		
{03-001} General		
	1	Install three (3) ceiling mounted occupancy sensors, one (1) per each 600 SF of room area - damaged lighting is functional dependent on sensor to meet code requirement. Depending on the room sizes, several occupancy sensors will be necessary to operate lighting fixture system. The sensor shall be positioned in Remove and Replace 825 SF of Suspended Mineral Fiber, 2 FT x 2 FT dimensions Acoustic Ceiling Tiles on Hallway, 75 FT long x 11 FT wide the ceiling, room area for best functionality. New conduit and corresponding wiring will be necessary for sensor installation. Consider conduit installation to nearest lighting system junction box and wiring of sensor to existing circuit. Considering a minimum of 20ft of EMT conduit and 60ft of existing gauge electrical copper wire (minimum allowable: THWN #12 stranded copper wire). If the corresponding circuit wiring is not accessible, consider conduit and corresponding wiring to the nearest lighting panel board.
HMP Works		
{04-001} Openings		
	1	Building Exterior, 4,400 SF of Yellow Acrylic Building Perimeter Canopy Panels, 550 FT long x 8 FT wide: Install additional metal screws to improve fastening pattern on acrylic roof panels = 56 SQ
	2	Building Exterior, 3 each of Aluminum Jalousie Windows, 2.5 FT wide x 8 FT high. 1. Install a water stripping for (3) window opening to prevent water infiltration. 2. Add Window Film to repaired windows can prevent water infiltration if cracked again in the future.
{04-002} Roof (172 FT x 150 FT):		
	3	Building Exterior, 25,800 SF of Steel Galvanized Type, Irregular Shape Roof Panels, 172 FT long x 150 FT wide: Install additional metal screws to improve fastening pattern on roof panels = 64.4 SQ
	4	Building Exterior, 6,440 SF of Aluminum, Gage 26 Type Siding Fascia Trim with Flashing, 644 LF long x 10 FT high: Install additional metal screws to improve fastening pattern on roof panels flashing = 64.4 SQ

	5	<p>Building Exterior, 25,800 SF of Bituminous Type Waterproofing Roof System, 172 FT long x 150 FT wide:</p> <ol style="list-style-type: none"> 1. Replace SBS base sheet with a thicker base sheet for more resistance to damage. Remove existing SBS lightweight base sheet and replace with a heavyweight base sheet. Area of SBS sheet = 25,800 S.F. 2. Provide asphalt adhesive to adhere SBS surface sheet to base sheet. Area of SBS sheet = 25,800 S.F 3. Prov 4. ide a lightweight slope fill to improve the slope of flat roof and ensure proper drainage preventing infiltration damages to the interior. Maximum area of slope to repair = 25,800 S.F. 5. Provide a peel-stop bar to prevent roof membrane from peeling off. Bar length = 500 ft 6. Install additional metal screws to improve fastening pattern on metal roof flashing = 5 SQ
{04-003} Interior:		
	6	<p>Building Interior, 3 each of Metal Doors with Louvers, 3.25 FT wide x 8 FT high: Install a water stripping for (3) Doors opening to prevent water infiltration.</p>
{04-004} Carteen Roof (13FT x 13 FT)		
	7	<p>Building Exterior, 491 SF of Elastomeric Waterproofing Membrane; 2/12 Pitch Gable Type with eave and gable overhang of 1.5 ft., 19 FT long x 19 FT wide: Add 491 SF of SBS modified bituminous membrane, heavyweight base sheet, 87 to 120 mil thick</p>
{04-005} Classrooms & Archives Room:		
	8	<p>Exterior Site, 1 each of French Style, White Color Glass Windows, 4 FT long x 4 FT high:</p> <ol style="list-style-type: none"> 1. Install a water stripping for (1) window opening to prevent water infiltration. 2. Add Window Film to repaired windows can prevent water infiltration if cracked again in the future.
{04-006} Exterior:		
	9	<p>Building Exterior, 2 each of Glass with Slats of 3-inch-wide Windows, 8 FT long x 2 FT wide:</p> <ol style="list-style-type: none"> 1. Install a water stripping for (2) window opening to prevent water infiltration. 2. Add Window Film to repaired windows can prevent water infiltration if cracked again in the future.

d. PW 04884 - UPR HUMACAO

i. LOCATION PLAN



ii. DESCRIPTION

1. Building 004: Edificio Nuevo Arte

The building is a single story of 19,150 SF, cast-in-place, reinforced concrete building with reinforced concrete floors and walls interior with a concrete roof. Mechanical Room in the second level with metal roof. Interior finishes generally consist of suspended acoustic ceiling tile, painted concrete or drywall and vinyl floor tile. The facility was in use by the moment of the incident.

2. Building 026: Edificio Recurso Físico

The building is a 12,400 SF cast-in-place, reinforced concrete building with reinforced concrete floors and walls interior. The roof system consists of cold-formed C-purlins bearing over structural steel frames and corrugated metal roof with a 3/12 pitch. Interior finishes generally consist of suspended acoustic ceiling tile, painted concrete or drywall and vinyl floor tile. The facility was in use by the moment of the incident.

iii. SCOPE OF WORK- FEMA

A. Building 004 Nuevo Arte		
PA Works		
{00-001} Building Envelope:		
	1	Remove and replace, conduit, 1 IN, painted, includes clips, 25 LF long
	2	Remove and replace, 13 each of A/C unit, window mounted, 18,000 BTU
	3	Remove and replace, 210 SF of stucco soffit, 7 locations
	4	Remove and replace, 5 each of compressor, pad mount, 24,000 BTU
	5	Remove and replace, 1 each of light, fascia mounted, halogen
	6	Prep and paint, 11,232 SF of exterior surfaces
	7	Remove and replace, window rubber seal (2 FTx4 FT window x 11), 132 LF long
	8	Remove and replace, window rubber seal (4 FTx5 FT window x 10), 180 LF long
{00-002} Building Exterior Mechanical Penthouse		
	10	Prep and paint, 1,600 SF of exterior surfaces
{00-003} Mechanical Room Penthouse:		
	11	Remove and replace, 400 SF of insulation, duct wrap, R-19
{00-004} Roof (Main Roof System-Low Roof):		
	12	Remove and replace, 17,544 SF of roof, metal, ribbed
{00-005} Roofing (Mechanical Room Penthouse Roof System-High Roof):		
	13	Remove and replace, 1,606 SF of roof, metal, ribbed
{01-006} First Floor Equal Employment Opportunities Office 1 (12 FTx12 FT):		
	14	Remove and replace, 144 SF of ceiling, 2 FTx4 FT acoustic tile, suspended
	15	Remove and replace, 1 each of light fixture, fluorescent, recessed, 2 FTx4 FT, 4 tube
	16	Remove and replace, 12 each of light fixture, fluorescent, recessed, 1 FTx4 FT, 2 tube
	17	Remove and replace, 144 SF of floor, VCT, 12 INx12 IN
	18	Remove and replace, base, 4 IN vinyl, 48 LF long
	19	Remove and replace, 1,080 SF of wall, pressboard 1/8 IN thick, painted
	20	Remove and replace, 120 SF of drywall, 5/8 IN, painted
	21	Remove and replace, 60 SF of window coverings
	21	Remove and replace, 27 SF of broken window
{01-007} First Floor Equal Employment Opportunities Office 2 (12 FTx12 FT):		
	22	Remove and replace, 144 SF of ceiling, 2 FTx4 FT acoustic tile, suspended

	23	Remove and replace, 144 SF of floor, VCT, 12 INx12 IN
	24	Remove and replace, 1,080 SF of wall, pressboard 1/8 IN thick, painted
	25	Remove and replace, 120 SF of wall, drywall, painted, 5/8 IN, wall
	26	Remove and replace, 60 SF of window coverings
	27	Remove and replace, 2 each of light fixture, fluorescent, recessed, 2x4, 4 tube
	28	Remove and replace, base, 4 IN vinyl, 48 LF long
{01-007} First Floor Equal Employment Opportunities Office 2 (12 FTx12 FT)*:		
	29	Remove and replace, 12 each of light fixture, fluorescent, recessed, 1 FTx4 FT, 2 tube
{01-008} First Floor Room 055a062-Continuing Education Office (24 FTx24 FT):		
	30	Remove and replace, 576 SF of ceiling, 2 FTx4 FT acoustic tile, suspended
	31	Remove and replace, 576 SF of floor, VCT, 12 INx12 IN
	32	Remove and replace, 2 each of AC units, wall mounted, 36,000 BTU
	33	Remove and replace, base, 4 IN vinyl, 96 LF long
{01-008} First Floor Room 055a062-Continuing Education Office (24 FTx24 FT)*:		
	34	Remove and replace, 8 each of light fixture, fluorescent, recessed, 2 FTx4 FT, 4 tube
{01-009} First Floor Internal Directors Office-Continuing Education (12 FTx12 FT):		
	35	Remove and replace, 144 SF of ceiling, 2 FTx4 FT acoustic tile, suspended
	36	Remove and replace, 144 SF of floor, VCT, 12 INx12 IN
	37	Remove and replace, base, 4 IN, vinyl, 48 LF long
{01-010} First Floor Internal Directors Office Conference Room-Continuing Education (12 FTx12 FT IN)*:		
	38	Remove and replace, 2 each of light fixture, fluorescent, recessed, 2 FTx4 FT, 4 tube
{01-010} First Floor Internal Directors Office Conference Room-Continuing Education (12 FTx12 FT):		
	39	Remove and replace, 144 SF of ceiling, 2 FTx4 FT acoustic tile, suspended
	40	Remove and replace, 144 SF of floor, VCT, 12 INx12 IN
{01-010} First Floor Internal Directors Office-Continuing Education (12 FTx12 FT):		
	41	Remove and replace, base, 4 IN, vinyl , 48 LF long
{01-011} First Floor Room 001-Classroom (18 FTx24 FT):		
	42	Remove and replace, 432 SF of ceiling, 2 FTx4 FT acoustic tile, suspended
	43	Remove and replace, 432 SF of floor, VCT, 12 INx12 IN
	44	Remove and replace, base, 4 IN, vinyl, 84 LF long

{01-011} First Floor Room 001-Classroom (18 FTx24 FT)*:		
	45	Remove and replace, 4 each of light fixture, fluorescent, recessed, 2 FTx4 FT, 4 tube
{01-012} First Floor Janitors Closet (4 FTx6 FT):		
	46	Remove and replace, 24 SF of ceiling, 2 FTx4 FT acoustic tile, suspended
	47	Remove and replace, 24 SF of floor, VCT, 12 INx12 IN
	48	Remove and replace, base, 4 IN, vinyl, 20 LF long
{01-013} First Floor Room 002-Classroom (18 FTx24 FT):		
	49	Remove and replace, 432 SF of ceiling, 2 FTx4 FT acoustic tile, suspended
	50	Remove and replace, 8 each of light fixture, fluorescent, recessed, 2 FTx4 FT, 4 tube
	51	Remove and replace, 432 SF of floor, VCT, 12 INx12 IN
	52	Remove and replace, base, 4 IN, vinyl, 84 LF long
{01-014} First Floor Room NA003-Classroom (18 FTx24 FT):		
	53	Remove and replace, 432 SF of ceiling, 2 FTx4 FT acoustic tile, suspended
	54	Remove and replace, 8 each of light fixture, fluorescent, recessed, 2 FTx4 FT, 4 tube
	55	Remove and replace, 432 SF of floor, VCT, 12 INx12 IN
	56	Remove and replace, base, 4 IN, vinyl, 84 LF long
{01-015} First Floor Room NA004-Classroom (18 FTx24 FT):		
	57	Remove and replace, 432 SF of ceiling, 2 FTx4 FT acoustic tile, suspended
	58	Remove and replace, 9 each of light fixture, fluorescent, recessed, 2 FTx4 FT, 4 tube
	59	Remove and replace, 432 SF of floor, VCT, 12 INx12 IN
	60	Remove and replace, base, 4 IN, vinyl, 84 LF long
{01-016} First Floor Room NA005-Classroom (18 FTx24 FT):		
	61	Remove and replace, 432 SF of ceiling, 2 FTx4 FT acoustic tile, suspended
	62	Remove and replace, 432 SF of floor, VCT, 12 INx12 IN
	63	Remove and replace, base, 4 IN, vinyl, 84 LF long
{01-016} First Floor Room NA005-Classroom (18 FTx24 FT):		
	64	Remove and replace, 10 each of light fixture, fluorescent, recessed, 2 FTx4 FT, 4 tube
{01-017} First Floor Department of Social Studies Classroom (18 FTx24 FT):		

	65	Remove and replace, 432 SF of ceiling, 2 FTx4 FT acoustic tile, suspended
	66	Remove and replace, 432 SF of floor, VCT, 12 INx12 IN
	67	Remove and replace, base, 4 IN, vinyl, 84 LF long
{01-018} First Floor Conference Room-Exterior Office N/S Hall (12 FTx24 FT):		
	68	Remove and replace, 288 SF of ceiling, 2 FTx4 FT acoustic tile, suspended
	69	Remove and replace, 24 each of light fixture, fluorescent, recessed, 1 FTx4 FT, 4 tube
	70	Remove and replace, 288 SF of floor, VCT, 12 INx12 IN
	71	Remove and replace, base, 4 IN, vinyl, 72 LF long
{01-018} First Floor Conference Room-Exterior Office N/S Hall (12 FTx24 FT)*		
	72	Remove and replace, 24 each of light fixture, fluorescent, recessed, 1 FTx4 FT, 4 tube
{01-019} First Floor Roof Access Room (6 FTx7 FT)*:		
	73	Remove and replace, 77 SF of wall, pressboard 1/8 IN thick, painted
	74	Remove and replace, 42 SF of floor, VCT, 12 INx12 IN
	75	Remove and replace, base, 4 IN, wood, 26 LF long
{01-020} First Floor ITIAS Room (12 FTx14 FT):		
	76	Remove and replace, 168 SF of ceiling, 2 FTx4 FT acoustic tile, suspended
	77	Remove and replace, 6 each of light fixture, fluorescent, recessed, 2 FTx4 FT, 4 tube.
	78	Remove and replace, 168 SF of floor, VCT, 12 INx12 IN
	79	Remove and replace, base, 4 IN, vinyl, 52 LF long
{01-021} First Floor East/West Hall (4 FTx36 FT):		
	80	Remove and replace, 144 SF of ceiling, 2 FTx2 FT acoustic tile, suspended
	81	Remove and replace, 144 SF of floor, VCT, 12 INx12 IN
	82	Remove and replace, base, 4 IN, vinyl, 76 LF long
{01-022} First Floor Professor's Office NA037 (8 FTx10 FT)*:		
	83	Remove and replace, 1 each of light fixture, surface mounted, fluorescent, 2 FTx4 FT, 4 tube
	84	Remove and replace, 80 SF of floor, VCT, 12 INx12 IN, loose
	85	Remove and replace, base, 4 IN, wood, 36 LF long
{01-026} First Floor Professor's Office NA041 (8 FTx12 FT):		
	86	Remove and replace, 2 each of light fixture, surface mounted, fluorescent, 1 FTx4 FT, 2 tube

	87	Remove and replace, 96 SF of floor, VCT, 12 INx12 IN
	88	Remove and replace, base, 4 IN, vinyl, 40 LF long
{01-026} First Floor Professor's Office NA041 (8 FTx12 FT)*:		
	89	Remove and replace, 2 each of light fixture, surface mounted, fluorescent, 1 FTx4 FT, 2 tube
{01-027} First Floor Professor's Office NA031 (8 FTx10 FT):		
	90	Remove and replace, 80 SF of ceiling, 2 FTx2 FT acoustic tile, suspended
	91	Remove and replace, 80 SF of floor, VCT, 12 INx12 IN
	92	Remove and replace, base, 4 IN, vinyl, 36 LF long
{01-027} First Floor Professor's Office NA031 (8 FTx10 FT)*:		
	93	Remove and replace, 2 each of light fixture, surface mounted, fluorescent, 1 FTx4 FT, 2 tube
{01-028} First Floor Professor's Office NA032 (8 FTx10 FT):		
	94	Remove and replace, 2 each of light fixture, surface mounted, fluorescent, 1 FTx4 FT, 2 tube
	95	Remove and replace, 80 SF of floor, VCT, 12 INx12 IN
	96	Remove and replace, base, 4 IN, vinyl, 36 LF long
{01-029} First Floor Professor's Office NA033 (8 FTx10 FT):		
	97	Remove and replace, 80 SF of ceiling, 2 FTx2 FT acoustic tile, suspended
	98	Remove and replace, 80 SF of floor, VCT, 12 INx12 IN
	99	Remove and replace, base, 4 IN, vinyl, 36 LF long
{01-030} First Floor Professor's Office NA034 (8 FTx10 FT):		
	100	Remove and replace, 80 SF of ceiling, 2 FTx2 FT acoustic tile, suspended
	101	Remove and replace, 80 SF of floor, VCT, 12 INx12 IN
	102	Remove and replace, base, 4 IN, vinyl, 36 LF long
{01-031} First Floor Professor's Office NA035 (8 FTx10 FT):		
	103	Remove and replace, 80 SF of ceiling, 2 FTx2 FT acoustic tile, suspended
	104	Remove and replace, 80 SF of floor, VCT, 12 INx12 IN
	105	Remove and replace, base, 4 IN, vinyl, 36 LF long
{01-032} First Floor Professor's Office NA036 (8 FTx10 FT):		
	106	Remove and replace, 80 SF of ceiling, 2 FTx2 FT acoustic tile, suspended
	107	Remove and replace, 128 SF of pressed board, painted
	108	Remove and replace, 80 SF of floor, VCT, 12 INx12 IN

	109	Remove and replace, base, 4 IN, vinyl, 36 LF long
{01-033} First Floor Men's Restroom (5 FTx7 FT)		
	110	Remove and replace, 35 SF of ceiling, 2 FTx2 FT acoustic tile, suspended
{01-033} First Floor Men's Restroom (5 FTx7 FT)		
	111	Remove and replace, 1 each of light fixture, surface mounted, fluorescent, 1 FTx4 FT, 2 tube
{01-034} First Floor Women's Restroom (5 FTx7 FT):		
	112	Remove and replace, 35 SF of ceiling, 2 FTx2 FT acoustic tile, suspended
{01-034} First Floor Women's Restroom (5 FTx7 FT)*:		
	113	Remove and replace, 1 each of light fixture, surface mounted, fluorescent, 1 FTx4 FT, 2 tube
{01-035} First Floor Office (Not Identified) (11 FTx14 FT):		
	114	Remove and replace, 154 SF of ceiling, 2 FTx2 FT acoustic tile, suspended
	115	Remove and replace, 154 SF of floor, VCT, 12 INx12 IN
	116	Remove and replace, base, 4 IN, vinyl, 49 LF long
{01-035} First Floor Office (Not Identified)* (11 FTx14 FT)*		
	117	Remove and replace, 4 each of light fixture, surface mounted, fluorescent, 2 FTx4 FT, 4 tube
{01-036} First Floor Men's Restroom (11 FTx18 FT):		
	118	Remove and replace, 198 SF of ceiling, 2 FTx2 FT acoustic tile, suspended
{01-036} First Floor Men's Restroom (11 FTx18 FT):		
	119	Remove and replace, 2 each of light fixture, recessed, fluorescent, 2 FTx4 FT, 4 tube
{01-037} First Floor Women's Restroom (11 FTx18 FT)		
	120	Remove and replace, 198 SF of ceiling, 2 FTx2 FT acoustic tile, suspended
{01-037} First Floor Women's Restroom (11 FTx18 FT)		
	121	Remove and replace, 2 each of light fixture, recessed, fluorescent, 2 FTx4 FT, 4 tube
{01-038} First Floor Hallway (6 FTx37 FT)		
	122	Remove and replace, 204 SF of ceiling, 2 FTx2 FT acoustic tile, suspended
	123	Remove and replace, 204 SF of floor, VCT, 12 INx12 IN

	124	Remove and replace, base, 4 IN, vinyl, 80 LF long
{01-038} First Floor Hallway (6 FTx37 FT)*:		
	125	Remove and replace, 4 each of light fixture, surface mounted, fluorescent, 1 FTx4 FT, 2 tube
{01-039} First Floor Professor's Office NA071 (6 FTx8 FT):		
	126	Remove and replace, 48 SF of ceiling, 2 FTx2 FT acoustic tile, suspended
	127	Remove and replace, 216 SF of pressed board paneling, painted
	128	Remove and replace, 48 SF of floor, VCT, 12 INx12 IN
	129	Remove and replace, base, 4 IN, vinyl, 27 LF long
{01-040} First Floor Professor's Office NA072 (6 FTx8 FT):		
	130	Remove and replace, 48 SF of ceiling, 2 FTx2 FT acoustic tile, suspended
	131	Remove and replace, 2 each of light fixture, surface mounted, fluorescent, 1 FTx4 FT, 2 tube
	132	Remove and replace, 216 SF of pressed board paneling, painted
{01-040} First Floor Professor's Office NA072 (6 FTx8 FT)*:		
	133	Remove and replace, 204 SF of floor, VCT, 12 INx12 IN
	134	Remove and replace, base, 4 IN, vinyl, 80 LF long
{01-041} First Floor Professor's Office NA073 (6 FTx8 FT):		
	135	Remove and replace, 48 SF of ceiling, 2 FTx2 FT acoustic tile, suspended
	136	Remove and replace, 2 each of light fixture, surface mounted, fluorescent, 1 FTx4 FT, 2 tube
	137	Remove and replace, 216 SF of pressed board paneling, painted
	138	Remove and replace, 48 SF of floor, VCT, 12 INx12 IN
	139	Remove and replace, base, 4 IN, vinyl, 27 LF long
{01-042} First Floor Professor's Office NA074 (6 FTx8 FT):		
	140	Remove and replace, 48 SF of ceiling, 2 FTx2 FT acoustic tile, suspended
	141	Remove and replace, 2 each of light fixture, surface mounted, fluorescent, 1 FTx4 FT, 2 tube
	142	Remove and replace, 216 SF of pressed board paneling, painted
	143	Remove and replace, 48 SF of floor, VCT, 12 INx12 IN
	144	Remove and replace, base, 4 IN, vinyl, 27 LF long
{01-043} First Floor Professor's Office NA075 (6 FTx9 FT):		

	145	Remove and replace, 54 SF of ceiling, 2 FTx2 FT acoustic tile, suspended
	146	Remove and replace, 232 SF of pressed board paneling, painted
	147	Remove and replace, 54 SF of floor, VCT, 12 INx12 IN
	148	Remove and replace, base, 4 IN, vinyl, 29 LF long
{01-043} First Floor Professor's Office NA075 (6 FTx9 FT)*:		
	149	Remove and replace, 2 each of light fixture, surface mounted, fluorescent, 1 FTx4 FT, 2 tube
{01-044} First Floor Professor's Office NA076 (6 FTx9 FT):		
	150	Remove and replace, 54 SF of ceiling, 2 FTx2 FT acoustic tile, suspended
	151	Remove and replace, 232 SF of pressed board paneling, painted
	152	Remove and replace, 54 SF of floor, VCT, 12 INx12 IN
	153	Remove and replace, base, 4 IN, vinyl, 29 LF long
{01-044} First Floor Professor's Office NA076 (6 FTx9 FT):		
	154	Remove and replace, 2 each of light fixture, surface mounted, fluorescent, 1 FTx4 FT, 2 tube
{01-045} First Floor Professor's Office NA077 (6 FTx12 FT):		
	155	Remove and replace, 72 SF of ceiling, 2 FTx2 FT acoustic tile, suspended
	156	Remove and replace, 280 SF of pressed board paneling, painted
	157	Remove and replace, base, 4 IN, vinyl, 36 LF long
{01-045} First Floor Professor's Office NA077 (6 FTx12 FT)*:		
	158	Remove and replace, 66 SF of floor, VCT, 12 INx12 IN
{01-046} First Floor Professor's Office NA077A (6 FTx12 FT):		
	159	Remove and replace, 72 SF of ceiling, 2 FTx2 FT acoustic tile, suspended
	160	Remove and replace, 280 SF of pressed board paneling, painted
	161	Remove and replace, base, 4 IN, vinyl, 36 LF long
{01-047} First Floor Professor's Office NA078 (5 FTx9 FT):		
	162	Remove and replace, 45 SF of ceiling, 2 FTx2 FT acoustic tile, suspended
	163	Remove and replace, 2 each of light fixture, surface mounted, fluorescent, 1 FTx4 FT, 2 tube
	164	Remove and replace, 230 SF of pressed board paneling, painted
	165	Remove and replace, base, 4 IN, vinyl, 28 LF long

{01-047} First Floor Professor's Office NA078 (5 FTx9 FT):		
	166	Remove and replace, 50 SF of floor, VCT, 12 INx12 IN
{01-048} First Floor Professor's Office NA079 (6 FTx9 FT):		
	167	Remove and replace, 54 SF of ceiling, 2 FTx2 FT acoustic tile, suspended
	168	Remove and replace, 2 each of light fixture, surface mounted, fluorescent, 1 FTx4 FT, 2 tube
	169	Remove and replace, 230 SF of pressed board paneling, painted
	170	Remove and replace, base, 4 IN, vinyl, 28 LF long
{01-049} First Floor Professor's Office NA080 (6 FTx8 FT):		
	171	Remove and replace, 48 SF of ceiling, 2 FTx2 FT acoustic tile, suspended
	172	Remove and replace, 112 SF of pressed board paneling, painted
{01-049} First Floor Professor's Office NA080 (6 FTx8 FT)*:		
	173	Remove and replace, 2 each of light fixture, surface mounted, fluorescent, 1 FTx4 FT, 2 tube
	174	Remove and replace, 48 SF of floor, VCT, 12 INx12 IN
	175	Remove and replace, base, 4 IN, vinyl, 28 LF long
{01-050} First Floor Professor's Office NA081 (6 FTx8 FT):		
	176	Remove and replace, 48 SF of ceiling, 2 FTx2 FT acoustic tile, suspended
	177	Remove and replace, 224 SF of pressed board paneling, painted
	178	Remove and replace, 48 SF of floor, VCT, 12 INx12 IN
	179	Remove and replace, base, 4 IN, vinyl, 28 LF long
{01-051} First Floor Professor's Office NA082 (6 FTx8 FT):		
	180	Remove and replace, 48 SF of ceiling, 2 FTx2 FT acoustic tile, suspended
	181	Remove and replace, 224 SF of pressed board paneling, painted
	182	Remove and replace, 48 SF of floor, VCT, 12 INx12 IN
	183	Remove and replace, base, 4 IN, vinyl, 28 LF long
{01-051} First Floor Professor's Office NA082 (6 FTx8 FT):		
	184	Remove and replace, 2 each of light fixture, surface mounted, fluorescent, 1 FTx4 FT, 2 tube
{01-052} First Floor Professor's Office NA083 (6 FTx8 FT):		

	185	Remove and replace, 48 SF of ceiling, 2 FTx2 FT acoustic tile, suspended
	186	Remove and replace, 224 SF of pressed board paneling, painted
	187	Remove and replace, base, 4 IN, vinyl, 28 LF long
{01-052} First Floor Professor's Office NA083 (6 FTx8 FT)*:		
	188	Remove and replace, 2 each of light fixture, surface mounted, fluorescent, 1 FTx4 FT, 2 tube
	189	Remove and replace, 48 SF of floor, VCT, 12 INx12 IN, loose
{01-053} First Floor Auditorium (36 FTx40 FT):		
	190	Remove and replace, 1,440 SF of ceiling, 2 FTx4 FT acoustic tile, suspended
	191	Remove and replace, 1,440 SF of floor, VCT, 12 INx12 IN
	192	Remove and replace, riser, vinyl, 280 LF long
	193	Remove and replace, base, 4 IN, vinyl, 182 LF long
{01-053} First Floor Auditorium (36 FTx40 FT)*:		
	194	Remove and replace, 15 each of light fixture, recessed, fluorescent, 2 FTx4 FT, 4 tube
{01-054} First Floor Professor's Office NA066 (7 FTx8 FT):		
	195	Remove and replace, 56 SF of ceiling, 2 FTx2 FT acoustic tile, suspended
	196	Remove and replace, 240 SF of pressed board paneling, painted
{01-054} First Floor Professor's Office NA066 (7 FTx8 FT)*:		
	197	Remove and replace, base, 4 IN, vinyl, 30 LF long
{01-055} First Floor Professor's Office NA067 (6 FTx8 FT):		
	198	Remove and replace, 48 SF of ceiling, 2 FTx2 FT acoustic tile, suspended
	199	Remove and replace, 240 SF of pressed board paneling, painted
{01-055} First Floor Professor's Office NA067 (6 FTx8 FT)*:		
	200	Remove and replace, base, 4 IN, vinyl, 28 LF long
{01-056} First Floor Professor's Office NA068 (6 FTx8 FT):		
	201	Remove and replace, 48 SF of ceiling, 2 FTx2 FT acoustic tile, suspended
	202	Remove and replace, 240 SF of pressed board paneling, painted
{01-056} First Floor Professor's Office NA068 (6 FTx8 FT)*:		

	203	Remove and replace, 48 SF of floor, VCT, 12 INx12 IN
	204	Remove and replace, base, 4 IN, vinyl, 28 LF long
{01-057} First Floor Professor's Office NA069 (6 FTx8 FT):		
	205	Remove and replace, 48 SF of ceiling, 2 FTx2 FT acoustic tile, suspended
	206	Remove and replace, 240 SF of pressed board paneling, painted
{01-057} First Floor Professor's Office NA069 (6 FTx8 FT)*:		
	207	Remove and replace, 48 SF of floor, VCT, 12 INx12 IN
	208	Remove and replace, base, 4 IN, vinyl, 28 LF long
{01-058} First Floor Professor's Office NA070 (6 FTx8 FT):		
	209	Remove and replace, 48 SF of ceiling, 2 FTx2 FT acoustic tile, suspended
	210	Remove and replace, 240 SF of pressed board paneling, painted
{01-058} First Floor Professor's Office NA070 (6 FTx8 FT)*:		
	211	Remove and replace, 1 each of light fixture, surface mounted, fluorescent, 1 FTx4 FT, 2 tube
	212	Remove and replace, 48 SF of floor, VCT, 12 INx12 IN
	213	Remove and replace, base, 4 IN, vinyl, 28 LF long
{01-059} First Floor Office NA027 (12 FTx16 FT):		
	214	Remove and replace, 192 SF of ceiling, 2 FTx2 FT acoustic tile, suspended
	215	Remove and replace, 192 SF of floor, VCT, 12 INx12 IN
	216	Remove and replace, base, 4 IN, vinyl, 55 LF long
{01-060} First Floor Office NA028 (8 FTx12 FT):		
	217	Remove and replace, 96 SF of ceiling, 2 FTx2 FT acoustic tile, suspended
{01-060} First Floor Office NA028 (8 FTx12 FT)*		
	218	Remove and replace, 92 SF of floor, VCT, 12 INx12 IN
	219	Remove and replace, base, 4 IN, vinyl, 39 LF long
{01-061} First Floor Office NA065 (11 FTx12 FT):		
	220	Remove and replace, 132 SF of ceiling, 2 FTx2 FT acoustic tile, suspended
{01-061} First Floor Office NA065 (11 FTx12 FT):		
	221	Remove and replace, 127 SF of floor, VCT, 12 INx12 IN

{01-062} First Floor Janitor Closet NA026 (8 FTx11 FT):		
	222	Remove and replace, 88 SF of ceiling, 2 FTx2 FT acoustic tile, suspended
{01-062} First Floor Office NA026 (8 FTx11 Ft)*:		
	223	Remove and replace, 88 SF of floor, VCT, 12 INx12 IN
{01-062} First Floor Office NA026 (8 FTx11 FT)*:		
	224	Remove and replace, 1 each of light fixture, recessed
{01-063} First Floor Office NA027A (14 FTx20 FT):		
	225	Remove and replace, 280 SF of ceiling, 2 FTx2 FT acoustic tile
	226	Remove and replace, 6 each of light fixture, recessed, fluorescent, 2 FTx4 FT, 4 tube
	227	Remove and replace, 280 SF of floor, VCT, 12 INx12 IN
	228	Remove and replace, base, 4 IN, vinyl, 68 LF long
{01-064} First Floor Office NA050 (12 FTx14 FT):		
	229	Remove and replace, 6 each of light fixture, recessed, fluorescent, 2 FTx4 FT, 4 tube
	230	Remove and replace, 168 SF of floor, VCT, 12 INx12 IN
	231	Remove and replace, base, 4 IN, vinyl, 52 LF long
{01-064} First Floor Office NA050 (12 FTx14 FT)*:		
	232	Remove and replace, 156 SF of ceiling, drywall, 5/8 IN, suspended
{01-065} First Floor Office NA051 (10 FTx12 FT):		
	233	Remove and replace, 120 SF of ceiling, drywall, 5/8 IN, suspended
	234	Remove and replace, 96 SF of pressed board paneling, painted
	235	Remove and replace, 120 SF of floor, VCT, 12 INx12 IN
{01-066} First Floor Storage NA052 (6 FTx10 FT):		
	236	Remove and replace, 60 SF of ceiling, 2 FTx2 FT acoustic tile, suspended
	237	Remove and replace, 90 SF of pressed board paneling, painted
{01-066} First Floor Storage NA052 (6 FTx10 FT)*:		
	238	Remove and replace, 1 each of light fixture, wall mounted, fluorescent, 1 FTx4 FT, 2 tube
	239	Remove and replace, 56 SF of floor, VCT, 12 INx12 IN
	240	Remove and replace, base, 4 IN, vinyl, 32 LF long

{01-067} First Floor Office NA053 (14 FTx15 FT):		
	241	Remove and replace, 210 SF of ceiling, drywall, 5/8 IN, suspended
	242	Remove and replace, 6 each of light fixture, recessed, fluorescent, 2 FTx4 FT, 4 tube
	243	Remove and replace, 232 SF of pressed board paneling, painted
	244	Remove and replace, 1 each of door, wood, HC, 3 FTx7 FT
{01-067} First Floor Office NA053 (14 FTx15 FT)*:		
	245	Remove and replace, 203 SF of floor, VCT, 12 INx12 IN
	246	Remove and replace, base, 4 IN, vinyl, 57 LF long
{01-068} First Floor Office NA054 (9 FTx10 FT):		
	247	Remove and replace, 90 SF of ceiling, 2 FTx2 FT acoustic tile, suspended
	248	Remove and replace, 150 SF of pressed board paneling, painted
	249	Remove and replace, base, 4 IN, vinyl, 38 LF long
{01-068} First Floor Office NA054 (9 FTx10 FT)*:		
	250	Remove and replace, 2 each of light fixture, recessed, fluorescent, 2 FTx4 FT, 4 tube
	251	Remove and replace, 87 SF of floor, VCT, 12 INx12 IN
{01-069} First Floor Accounts Payable Offices 007:		
	252	Remove and replace, 663 SF of ceiling, 2 FTx4 FT acoustic tile, suspended
	253	Remove and replace, 8 each of light fixture, recessed, fluorescent, 2 FTx4 FT, 4 tube
	254	Remove and replace, 480 SF of interior partitions, steel stud, 26 gauge, includes clg. channels and runners
	255	Remove and replace, 1,302 SF of pressed board, painted
	256	Remove and replace, base, 4 IN, vinyl, 140 LF long
	257	Remove and replace, 4 each of door, wood, HC, 3 FTx7 FT
{01-069} First Floor Accounts Payable Offices 007 (663 SF)*:		
	258	Remove and replace, 22 each of light fixture, recessed, fluorescent, 2 FTx4 FT, 4 tube
	259	Remove and replace, 663 SF of floor, VCT, 12 INx12 IN
{01-070} First Floor Accounting Offices:		
	260	Remove and replace, 936 SF of ceiling, 2 FTx4 FT acoustic tile, suspended
	261	Remove and replace, 2,205 SF of pressed board paneling, painted

{01-070} First Floor Accounting Offices (936 SF)*:		
	262	Remove and replace, 18 each of light fixture, recessed, fluorescent, 2 FTx4 FT, 4 tube
	263	Remove and replace, 936 SF of floor, VCT, 12 INx12 IN
	264	Remove and replace, base, 4 IN, vinyl, 300 LF long
{01-071} First Floor Office NA007 (12 FTx13 FT):		
	265	Remove and replace, 156 SF of ceiling, 2 FTx4 FT acoustic tile, suspended
	266	Remove and replace, 2 each of light fixture, recessed, fluorescent, 2 FTx4 FT, 4 tube
	267	Remove and replace, base, wood, 1 INx4 IN, detailed, 50 LF long
{01-071} First Floor Office NA007 (12 FTx13 FT)*:		
	268	Remove and replace, 148 SF of floor, VCT, 12 INx12 IN
{01-072} First Floor Office NA018-Cubicals (25 FTx43 FT):		
	269	Remove and replace, 1,075 SF of ceiling, 2 FTx4 FT acoustic tile, suspended
	270	Remove and replace, 15 each of light fixture, recessed, fluorescent, 2 FTx4 FT, 4 tube
	271	Remove and replace, base, wood, 1 INx4 IN, detailed, 136 LF long
	272	Remove and replace, 1,075 SF of floor, VCT, 12 IN x12 IN
{01-073} First Floor Office NA019 (11 FTx12 FT):		
	273	Remove and replace, 132 SF of ceiling, 2 FTx4 FT acoustic tile, suspended
	274	Remove and replace, 368 SF of pressed board paneling, painted
	275	Remove and replace, 132 SF of floor, VCT, 12 INx12 IN
	276	Remove and replace, base, wood, 1 INx4 IN, detailed, 46 LF long
{01-073} First Floor Office NA019 (11 FTx12 FT)*:		
	277	Remove and replace, 2 each of light fixture, recessed, fluorescent, 2 FTx4 FT, 4 tube
{01-074} First Floor Office NA020 (10 FTx24 FT):		
	278	Remove and replace, 240 SF of ceiling, 2 FTx4 FT acoustic tile, suspended
	279	Remove and replace, 240 SF of floor, VCT, 12 INx12 IN
	280	Remove and replace, base, wood, 1 INx4 IN, detailed, 67 LF long
{01-074} First Floor Office NA020 (10 FTx24 FT)*:		

	281	Remove and replace, 5 each of light fixture, recessed, fluorescent, 2 FTx4 FT, 4 tube
{01-075} First Floor Office NA022 (9 FTx9 FT):		
	282	Remove and replace, 81 SF of ceiling, 2 FTx4 FT acoustic tile, suspended
	283	Remove and replace, 280 SF of pressed board paneling, painted
	284	Remove and replace, 81 SF of floor, VCT, 12 INx12 IN
	285	Remove and replace, base, wood, 1 INx4 IN, detailed, 35 LF long
{01-075} First Floor Office NA022 (9 FTx9 FT)*		
	286	Remove and replace, 1 each of light fixture, recessed, fluorescent, 2 FTx4 FT, 4 tube
{01-076} First Floor Office NA048 (8 FTx13 FT):		
	287	Remove and replace, 104 SF of ceiling, 2 FTx4 FT acoustic tile, suspended
	288	Remove and replace, 88 SF of pressed board paneling, painted
	289	Remove and replace, base, wood, 1 INx4 IN, detailed, 42 LF long
{01-076} First Floor Office NA048 (8 FTx13 FT)*:		
	290	Remove and replace, 100 SF of floor, VCT, 12 INx12 IN
{01-077} First Floor Major Hallways:		
	291	Remove and replace, 1,365 SF of ceiling, 2 FTx4 FT acoustic tile, suspended
	292	Remove and replace, 46 each of light fixture, recessed, fluorescent, 2 FTx4 FT, 4 tube
	293	Remove and replace, 1,365 SF of floor, VCT, 12 INx12 IN
	294	Remove and replace, base, 4 IN, vinyl, 796 LF long
{02-078} Remove and replace General:		
	295	Prep and paint 17,200 SF of interior painted surfaces
{03-079} Mold:		
	296	Prep, clean and perform mold remediation for 17,544 SF of facility
HMP Works		
{00-001} Building Envelope:		

	1	Mitigation measure is to protect the mechanical and electrical equipment and lighting from electrical surges / fluctuations for the entire building due to strong winds and heavy rainwater intrusion by providing 1 each of surge protector.
	2	Mitigation measure is to protect the 13 each of exterior window-mounted air conditioning units (18,000 BTU) from shifting due to strong winds by providing 13 each of support brackets including 13 each of weather stripping to keep strong winds from getting into the building.
	3	Mitigation measure is to protect the 5 each of exterior pad-mounted compressors (24,000 BTU) from shifting due to the strong winds by providing 5 each of A/C anchoring (5 ton unit) by using Repetitive HMP.
	4	Mitigation measure is to protect the 1 each of external fascia-mounted halogen light fixture from shifting and being dislocated due to strong winds by providing 1 each of 100 watts LED light fixture that is smaller and more compact.
{00-004} Roof (Main Roof System-Low Roof):		
	5	<p>Mitigation measure is to protect the 17,544 SF roof from water intrusion due to heavy rains and strong winds by providing liquid silicone roof coating membrane to protect and waterproof by bonding with the roof for permanent ponding water resistance, extreme durability, and superior capabilities of sealing and protection.</p> <p>17,544 SF x 2 gallons/100 SF = 351 gallons x 1 bucket/4.75 gallons = 74 + 5% (for overlap & spillage) = 78 Buckets</p>
{00-005} Roofing (Mechanical Room Penthouse Roof System-High Roof):		
	6	<p>Mitigation measure is to protect the 1,606 SF roof from water intrusion due to heavy rains and strong winds by providing liquid silicone roof coating membrane to protect and waterproof by bonding with the roof for permanent ponding water resistance, extreme durability, and superior capabilities of sealing and protection.</p> <p>1,606 SF x 2 gallons/100 SF = 33 gallons x 1 bucket/4.75 gallons = 7 + 5% (for overlap & spillage) = 8 Buckets</p>
{01-008} First Floor Room 055a062-Continuing Education Office (24 FTx24 FT)		

	7	Mitigation measure is to protect the 2 each of exterior window-mounted air conditioning units (36,000 BTU) from shifting due to strong winds by providing 2 each of support brackets including 2 each of weather stripping to keep strong winds from getting into the building.
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A. Building 026 Oficina de Recurso Físico		
PA Works		
{00-002} East Elevation – Physical Resources:		
	1	Remove and replace, 2 each of A/C, window unit, 12,000 BTU
	2	Remove and replace, 1 each of A/C condensing unit, 18,000 BTU
	3	Remove and replace, 1 each of A/C unit, ductless, wall mount, 24,000 BTU, 230V.
	4	Remove and replace, 6 each of alum, jalousie window, 18 FT x 4 FT
	5	Remove and replace, 5 each of alum, jalousie window, 10 FT x 4 FT
	6	Remove and replace, 6 each of alum, jalousie window, 12 FT x 4 FT
{00-003} South Elevation – Physical Resources:		
	7	Remove and replace, 2 each of A/C unit, 12,000 BTU, window
{00-004} West Elevation – Physical Resources:		
	8	Remove and replace, 3 each of doors, HM, 3 FT x 6 FT - 8 IN
	9	Remove and replace, 4 each of window louvers, aluminum, 3 FT x 3 FT
	10	Remove and replace, 100 SF of stucco
	11	Remove and replace, 2 each of A/C unit, 12000 BTU, window
{00-005} Mechanical on Roof (52 FTx54 FT):		
	12	Remove and replace, 3 each of air condensing unit, 3 ton, 208/230V, single phase
	13	Remove and replace, flashing, aluminum, 16 IN, 26 gage, 208 LF long
{00-006} Metal Roofing:		
	14	Remove and replace, 7,956 SF of ribbed roofing, sheet metal, 36 IN, 24-gauge, enamel finish
	15	Remove and replace, mechanical equipment platform, steel channel, 3 IN x 1 1/2 IN x 1/4 IN, 210 LF long
	16	Remove and replace, mechanical equipment platform, steel angle, 3 IN x 3 IN x 1/4 IN, 160 LF long
{00-007} General Exterior:		
	17	Prep and paint, 4,340 SF of building exterior surfaces

{02-011} North & West Wing CPE10 (24 FTx24 FT):		
	18	Remove and replace, 576 SF of ceiling, suspended acoustic tile, 2 FTx2 FT
	19	Remove and replace, 6 each of light, fluorescent, 2 FTx4 FT recessed, 4 tube
	20	Remove and replace, 1 each of light, fluorescent, 2 FTx2 FT recessed, 4 tube
{02-012} North & West Wing CPE10 Storage (12 FTx14 FT):		
	21	Remove and replace, 168 SF of ceiling, suspended acoustic, 2 FTx2 FT
	22	Remove and replace, 2 each of light, fluorescent, 2 FTx4 FT recessed, 4 tube
{02-013} North & West Wing Foyer (8 FTx14 FT):		
	23	Remove and replace, 112 SF of ceiling, suspended acoustic, 2 FTx4 FT
	24	Remove and replace, 2 each of light, fluorescent, 2 FTx4 FT recessed, 4 tube
{02-014} North & West Wing Executive Room (8 FTx34 FT):		
	25	Remove and replace, 272 SF of ceiling, suspended acoustic 2 FTx4 FT
	26	Remove and replace, 2 each of light, fluorescent, 2 FTx4 FT recessed, 4 tube
{02-015} North & West Wing RF02 (12 FTx14 FT):		
	27	Remove and replace, 168 SF of ceiling, suspended acoustic, 2 FTx2 FT
	28	Remove and replace, 2 each of light, fluorescent, 2 FTx4 FT recessed, 4 tube
{02-016} North & West Wing RF03 (12 FTx14 FT):		
	29	Remove and replace, 168 SF of ceiling, suspended acoustic, 2 FTx2 FT
	30	Remove and replace, 2 each of light, fluorescent, 2 FTx4 FT recessed, 4 tube
{02-017} North & West Wing RF04 (14 FTx14 FT):		
	31	Remove and replace, 196 SF of ceiling, suspended acoustic, 2 FTx2 FT
	32	Remove and replace, 2 each of light, fluorescent, 2 FTx4 FT recessed, 4 tube
{02-018} North & West Wing RF05 (10 FTx16 FT):		
	33	Remove and replace, 160 SF of ceiling, suspended acoustic, 2 FTx2 FT
	34	Remove and replace, 2 each of light, fluorescent, 2 FTx4 FT recess, 4 tube
{02-019} North & West Wing RF08 (3 FTx10 FT):		
	35	Remove and replace, 30 SF of ceiling, suspended acoustic, 2 FTx2 FT
	36	Remove and replace, 1 each of light, fluorescent, 2 FTx4 FT recess, 4 tube
{02-020} North & West Wing RF09 (4 FTx7 FT):		

	37	Remove and replace, 28 SF of ceiling, suspended acoustic, 2 FTx2 FT
	38	Remove and replace, 1 each of light, fluorescent, 2 FTx4 FT recess, 4 tube
	39	Remove and replace, 28 SF of floor, VCT, 12 INx12 IN
	40	Remove and replace, base, 4 IN, vinyl, 22 LF long
	41	Remove and replace, 1 each of door, hollow core wood, 3 FT x 6 FT - 8 IN
{02-021} North & West Wing Hallway (4 FTx16 FT):		
	42	Remove and replace, 64 SF of ceiling, suspended acoustic, 2 FTx2 FT
	43	Remove and replace, 1 each of light, fluorescent, 2 FTx4 FT recess, 4 tube
	44	Remove and replace, 64 SF of floor, VCT, 12 INx12 IN
	45	Remove and replace, base, 4 IN, vinyl, 40 LF long
{02-022} North & West Wing RF11 (8 FTx9 FT):		
	46	Remove and replace, 72 SF of ceiling, suspended acoustic, 2 FTx2 FT
	47	Remove and replace, 2 each of light, fluorescent, 2 FTx4 FT recessed, 4 tube
	48	Remove and replace, 72 SF of floor, VCT, 12 INx12 IN
	49	Remove and replace, base, 4 IN, vinyl, 34 LF long
{02-023} North & West Wing RF13 Break Room (20 FTx30 FT):		
	50	Remove and replace, 600 SF of ceiling, suspended acoustic, 2 FTx2 FT
	51	Remove and replace, 5 each of light, fluorescent, 2 FTx4 FT recessed, 4 tube
	52	Remove and replace, 600 SF of floor, VCT, 12 INx12 IN
	53	Remove and replace, base, 4 IN, vinyl, 100 LF long
	54	Remove and replace, 1 each of door, hollow core wood, 2 FT - 6 IN x 6 FT - 8 IN, w/ side light
{02-024} North & West Wing RF14 Kitchen (10 FTx19 FT):		
	55	Remove and replace, 190 SF of ceiling, suspended acoustic, 2 FTx2 FT
	56	Remove and replace, 3 each of light, fluorescent, 2 FTx4 FT recess
	57	Remove and replace, 190 SF of floor, VCT, 12 INx12 IN
	58	Remove and replace, base, 4 IN vinyl, 58 LF long
	59	Remove and replace, 1 each of door, hollow core wood, 36IN x 80IN
{03-025} South Wing Office in Workshop (7 FTx11 FT):		
	60	Remove and replace, 77 SF of ceiling, suspended acoustic, 2 FTx2 FT
	61	Remove and replace, 1 each of light, fluorescent, 2 FTx4 FT recess
	62	Remove and replace, 162 SF of 5/8 IN drywall (7 FTx9 FT + 9 FTx11 FT)

	63	Remove and replace, 77 SF of floor, VCT, 12 INx12 IN
{03-026} South Wing Corridor (5 FTx8 FT):		
	64	Remove and replace, 40 SF of ceiling, suspended acoustic, 2 FTx2 FT
	65	Remove and replace, 40 SF of floor, VCT, 12 INx12 IN
	66	Remove and replace, base, 4 IN vinyl, 26 LF long
{03-027} South Wing Conference Room (16 FTx17 FT):		
	67	Remove and replace, 272 SF of ceiling, suspended acoustic, 2 FTx2 FT
	68	Remove and replace, 4 each of light, fluorescent, 2 FTx4 FT recess
{03-029} South Wing Hallway (3 FTx20 FT):		
	69	Remove and replace, 1 each of light, wall mount, 1 FTx4 FT, 2 tube
{03-030} South Wing Office (16 FTx18 FT):		
	70	Remove and replace, 288 SF of ceiling, suspended acoustic, 2 FTx2 FT
	71	Remove and replace, 4 each of light, 2 FTx4 FT fluorescent, recessed
	72	Remove and replace, 272 SF of wall paneling, 3/8 IN wood
	73	Remove and replace, 288 SF of floor, VCT, 12 INx12 IN
	74	Remove and replace, base, 4 IN vinyl, 68 LF long
	75	Remove and replace, 1 each of door/Frame, steel, exterior, 3 FT x 6 FT - 8 IN
	76	Remove and replace, 6 each of duplex outlet, 20A
	77	Remove and replace, 1 each of toggle, light
	78	Remove and replace, 1 each of thermostat
	79	Remove and replace, 6 each of voice/data plate, plastic
	80	Remove and replace, IN EMT w/ cat 5 e cable, 100 LF long
	81	Remove and replace, IN EMT w/ 2x 12 AWG, THHN, 100 LF long
{03-031} South Wing Office-2 (16 FTx18 FT):		
	82	Remove and replace, 288 SF of ceiling, suspended acoustic, 2 FTx2 FT
	83	Remove and replace, 4 each of light, fluorescent, 2 FTx4 FT recess
	84	Remove and replace, 272 SF of wall paneling, wood, 1/4 IN
	85	Remove and replace, 288 SF of floor, VCT, 12 INx12 IN
	86	Remove and replace, base, 4 IN vinyl, 68 LF long
	87	Remove and replace, 1 each of door, interior, hollow core wood, 3 FT x 6 FT - 8 IN
	88	Remove and replace, 6 each of duplex outlet, 20A
	89	Remove and replace, 1 each of toggle, light
	90	Remove and replace, 1 each of thermostat
	91	Remove and replace, 6 each of voice, data plate, plastic

	92	Remove and replace, IN EMT w/ cat 5 e cable, 100 LF long
	93	Remove and replace, IN EMT w/ 2x 12 AWG, THHN, 100 LF long
{03-032} South Wing Transportation and Maintenance (28 FTx75 FT):		
	94	Remove and replace, 8 each of light, fluorescent, 2 FTx4 FT recessed, 4 tube
	95	Remove and replace, 4 each of light, fluorescent, 2 FTx8 FT, 4 tube
{03-034} South Wing Maintenance Supply Room (55 FTx60 FT):		
	96	Remove and replace, 1 each of light, fluorescent, 2 FTx4 FT recessed, 4 tube
	97	Remove and replace, 1 each of light, fluorescent, 1 FTx6 FT, 2 tube
{04-039} General Repair Main Building Painting:		
	98	Prep and paint, 13,020 SF of building interior surfaces
{06-045} Mold:		
	99	Prep, clean and perform mold remediation for 12,446 SF of facility
HMP Works		
{00-002} East Elevation – Physical Resources:		
	1	Mitigation measure is to protect the mechanical and electrical equipment and lighting from electrical surges / fluctuations for the entire building due to strong winds and heavy rainwater intrusion by providing 1 each of surge protector.
	2	Mitigation measure is to protect the 2 each of exterior window-mounted air conditioning units (12,000 BTU) from shifting due to strong winds by providing 2 each of support brackets including 2 each of weather stripping to keep strong winds from getting into the building.
	3	Mitigation measure is to protect the 1 each of exterior pad-mounted A/C condensing unit (18,000 BTU) from shifting due to the strong winds by providing 1 each of A/C anchoring (5 ton unit) by using Repetitive HMP.
	4	Mitigation measure is to protect the 1 each of exterior window-mounted air conditioning unit (24,000 BTU) from shifting due to strong winds by providing 1 each of support bracket including 1 each of weather stripping to keep strong winds from getting into the building.
{00-003} South Elevation – Physical Resources:		
	5	Mitigation measure is to protect the 2 each of exterior window-mounted air conditioning units (12,000 BTU) from shifting due to strong winds by providing 2 each of support brackets including 2 each of weather stripping to keep strong winds from getting into the building.
{00-004} West Elevation – Physical Resources:		

	6	Mitigation measure is to protect the 2 each of exterior window-mounted air conditioning units (12,000 BTU) from shifting due to strong winds by providing 2 each of support brackets including 2 each of weather stripping to keep strong winds from getting into the building.
{00-006} Metal Roofing		
	7	Mitigation measure is to protect the 12,400 SF roof from water intrusion due to heavy rains and strong winds by providing liquid silicone roof coating membrane to protect and waterproof by bonding with the roof for permanent ponding water resistance, extreme durability, and superior capabilities of sealing and protection.

e. PW 04884 - UPR HUMACAO

i. LOCATION PLAN



ii. DESCRIPTION

1. Building 008 Servicios al Estudiante

The "Edificio Servicios al Estudiante" building is a 30,752 SF, two-story Educational building that was constructed in 1972 (47 years old). The

building is a cast-in-place concrete structure with sheet metal roofing (1:12) overlaid with a pre-existing concrete slab, bitumen built up roofing membrane. The building also has a 576 SF mechanical equipment penthouse with a ribbed metal roofing system at 1:12 slope. The penthouse area is less than 5% of the building. Two thirds of the penthouse have mechanical equipment. One third of the penthouse is storage for consumable materials used in the penthouse. The building is a cast-in-place reinforced concrete building with 4 FT parapets and a 4 FT high concrete fascia. The interior includes some reinforced CMU wall partitions. Interior finishes consist of dry wall partitions, suspended acoustic ceiling, plastered and painted walls and vinyl composition tile flooring. Asbestos tiles or mastic may have been used in existing construction. Ground floor was exposed to 6 inches of water on the floor from roof leakage and window panel units. This water was cleaned up daily. Basement was flooded by offsite storm runoff that seeped in through an exterior door at a basement entry up to 2 feet, but 8 to 10 inches sat for five weeks when the sump pump stopped working when power was lost. This facility was in operation at the time of the event. However, the points of basement access could not be entered due to extensive mold infestation.

2. Building 009 Centro de Estudiantes y Cafetería

The "Centro de Estudiantes y Cafeteria" building is a 17,267 SF, two-story facility that is composed of two areas: the Student Center on the second level (11,067 SF), and the Cafetería on the first level (6,200 SF) that was constructed in 1972 (47 years old). The building is a cast-in-place reinforced concrete building with a walkout on the south side with a low-pitch (flat) roof with parapet walls and an architectural canopy tent covering the walkout. The flat roofing system has a canopy metal roofing structure over as an architectural feature element. The interior includes reinforced CMU wall partitions. Interior finishes generally consist of suspended acoustic ceiling, plastered and painted walls and vinyl composition tile flooring. This facility was in operation at the time of the event.

3. Building 010 Edificio de Enfermería

The "Edificio de Enfermería" building is a 15,118 SF, one-story Educational building that was constructed in 1972 (47 years old). The building is a cast-in-place reinforced concrete building with a 4 FT concrete overhangs and parapet walls. The roof is 3-ply built up roofing membrane. The building also has a 1,188 SF mechanical equipment penthouse with a synthetic membrane system at 1:12 slope. The penthouse area is less than 10% of the building. Two thirds of the penthouse have mechanical equipment. One third of the penthouse is

storage for consumable materials used in the penthouse. The interior includes reinforced CMU wall partitions. Interior finishes generally consist of suspended acoustic ceiling, plastered and painted walls and vinyl composition tile flooring. This facility was in operation at the time of the event.

iii. Scope of Work FEMA

BUILDING 008 – SERVICIOS AL ESTUDIANTE	
PA Works	
{00-001} Building Envelop:	
1	Repaint 9,035 SF of wall.
2	Remove and Replace in-kind, 24 each of window caulking.
{00-002} Roofing System:	
1	Remove and Replace in-kind, 15,376 SF of roof.
2	Remove and Replace in-kind, 600 SF of roof.
3	Remove and Replace in-kind, 17,500 SF of BUR membrane
{01-003} First Floor Telecommunications Room (10FT x 12FT):	
1	Remove and Replace in-kind, 114 SF of ceiling. See Scope Note #1
2	Remove and Replace in-kind, 2 each of light fixtures.
3	Remove and Replace in-kind, 192 SF of ventilation insulation, rigid. See Scope Note #2
4	Remove and Replace in-kind, 114 SF of floor.
5	Remove and Replace in-kind, 44 LF long of vinyl base.
{01-004} First Floor Assistant Tech Room (16FT x 24FT):	
1	Remove and Replace in-kind, 284 SF of ceiling.
2	Remove and Replace in-kind, 4 each of light fixture.
3	Remove and Replace in-kind, 284 SF of VCT floor.
4	Remove and Replace in-kind, base, 4 IN, vinyl, 80 LF long.
5	Remove and Replace in-kind, 4 each of HC wood door.
{01-005} First Floor Room ESE 72 “Sala A” (6FT x 6FT):	
1	Remove and Replace in-kind, 36 SF of ceiling.
2	Remove and Replace in-kind, 1 each of light fixture
3	Remove and Replace in-kind, 36 SF of VCT floor.
4	Remove and Replace in-kind, 24 LF long of vinyl base.
5	Remove and Replace in-kind, 1 each of HC wood door.
{01-006} First Floor Foyer (8FT x 12FT):	
1	Remove and Replace in-kind, 96 SF of ceiling.
2	Remove and Replace in-kind, 1 each of light fixture.
3	Remove and Replace in-kind, 96 SF of VCT floor.
4	Remove and Replace in-kind, 40 LF long vinyl base.
5	Remove and Replace in-kind, 1 each of HC wood door.

{01-007} First Floor Room ESE73 (6FT x 6FT):	
1	Remove and Replace in-kind, 36 SF of ceiling.
2	Remove and Replace in-kind, 1 each of light fixture.
3	Remove and Replace in-kind, 36 SF of floor.
4	Remove and Replace in-kind, 24 LF long vinyl base.
5	Remove and Replace in-kind, 1 each HC wood door.
{01-008} First Floor Room ESE74 (10FT x 12FT):	
1	Remove and Replace in-kind, 120 SF of ceiling.
2	Remove and Replace in-kind, 2 each of light fixture.
3	Remove and Replace in-kind, 120 SF of floor.
4	Remove and Replace in-kind, base, 4 IN, vinyl, 24 LF long.
5	Remove and Replace in-kind, 1 each of HC wood door.
{01-009} First Floor Room ESE75 (6FT x 12FT):	
1	Remove and Replace in-kind, 72 SF of ceiling.
2	Remove and Replace in-kind, 2 each of light fixture.
3	Remove and Replace in-kind, 72 SF of VCT floor.
4	Remove and Replace in-kind, 36 LF long of vinyl base.
5	Remove and Replace in-kind, 1 each of HC wood door.
{01-010} First Floor Room ESE58 (12FT x 14FT):	
1	Remove and Replace in-kind, 168 SF of ceiling.
2	Remove and Replace in-kind, 4 each of light fixture
3	Remove and Replace in-kind, 168 SF of VCT floor.
4	Remove and Replace in-kind, base, 4 IN, vinyl, 50 LF long.
5	Remove and Replace in-kind, 1 each of HC wood door.
{01-011} First Floor Admissions Sitting Area (11FT x 23FT):	
1	Remove and Replace in-kind, 253 SF of ceiling.
2	Remove and Replace in-kind, 3 each of light fixture.
3	Remove and Replace in-kind, 32 SF of wall plaster.
4	Remove and Replace in-kind, 253 SF of VCT floor.
5	Remove and Replace in-kind, 90 LF long of vinyl base.
{01-012} First Floor Admissions (28FT x 30FT):	
1	Remove and Replace in-kind, 844 SF of ceiling.
2	Remove and Replace in-kind, caulking of 6 each of windows. See Scope Note #4.
3	Remove and Replace in-kind, 32 SF of wall plaster.
4	Remove and Replace in-kind, 844 SF of VCT floor.
5	Remove and Replace in-kind, 120 LF long vinyl base.
{01-013} First Floor Room ESE24 (24FT x 24FT):	
1	Remove and Replace in-kind, 576 SF of VCT floor.
2	Remove and Replace in-kind, 96 LF long vinyl base.
{01-014} First Floor Room ESE 52 (16FT x 24FT):	
1	Remove and Replace in-kind, 284 SF of ceiling.

2	Remove and Replace in-kind, 4 each of light fixture.
3	Remove and Replace in-kind, 284 SF of VCT floor.
4	Remove and Replace in-kind, base, 4 IN, vinyl, 80 LF long.
5	Remove and Replace in-kind, 4 each of HC wood door.
{01-015} First Floor Room ESE 53 "Sala A" (6FT x 6FT):	
1	Remove and Replace in-kind, 36 SF of ceiling.
2	Remove and Replace in-kind, 1 each of light fixture.
3	Remove and Replace in-kind, 36 SF of VCT floor.
4	Remove and Replace in-kind, 24 LF long vinyl base.
5	Remove and Replace in-kind, 1 each of HC wood doo.
{01-016} First Floor Room ESE 55 (8FT x 12FT):	
1	Remove and Replace in-kind, 96 SF of ceiling.
2	Remove and Replace in-kind, 1 each of light fixture.
3	Remove and Replace in-kind, 96 SF of VCT floor.
4	Remove and Replace in-kind, 40 LF long vinyl base.
5	Remove and Replace in-kind, 1 each of HC wood door.
{01-017} First Floor Room ESE56 (6FT x 6FT):	
1	Remove and Replace in-kind, 36 SF of ceiling.
2	Remove and Replace in-kind, 1 each of light fixture.
3	Remove and Replace in-kind, 36 SF of VCT floor.
4	Remove and Replace in-kind, 24 LF long vinyl base.
5	Remove and Replace in-kind, 1 each of HC wood door.
{01-018} First Floor Room ESE57 (10FT x 12FT):	
1	Remove and Replace in-kind, 120 SF of ceiling.
2	Remove and Replace in-kind, 2 each of light fixture.
3	Remove and Replace in-kind, 120 SF of VCT floor.
4	Remove and Replace in-kind, 44 LF long vinyl base.
5	Remove and Replace in-kind, 1 each of HC wood door.
{01-019} First Floor Room ESE59 (6FT x 12FT):	
1	Remove and Replace in-kind, 72 SF of ceiling.
2	Remove and Replace in-kind, 2 each of light fixture.
3	Remove and Replace in-kind, 72 SF of VCT floor.
4	Remove and Replace in-kind, base, 4 IN, vinyl, 36 LF long
5	Remove and Replace in-kind, 1 each of HC wood door.
{01-020} First Floor Room ESE61 (12FT x 14FT):	
1	Remove and Replace in-kind, 168 SF of ceiling.
2	Remove and Replace in-kind, 4 each of light fixture.
3	Remove and Replace in-kind, 168 SF of VCT floor.
4	Remove and Replace in-kind, 52 LF long base, vinyl cove.
5	Remove and Replace in-kind, 1 each of HC wood door.
{01-021} First Floor Room ESE 62 (11FT x 23FT):	

1	Remove and Replace in-kind, 253 SF of ceiling.
2	Remove and Replace in-kind, 3 each of light fixture.
3	Remove and Replace in-kind, 32 SF of wall, 1/4 IN thick, plaster.
4	Remove and Replace in-kind, 253 SF of VCT floor.
5	Remove and Replace in-kind, 68 LF long vinyl base.
{01-022} First Floor Room ESE 63 (28FT x 30FT):	
1	Remove and Replace in-kind, 840 SF of ceiling.
2	Remove and Replace in-kind, 6 each of window frame caulking.
3	Remove and Replace in-kind, 32 SF of wall, 1/4 IN thick, plaster.
4	Remove and Replace in-kind, 168 SF of VCT floor.
5	Remove and Replace in-kind, 116 LF long vinyl base.
{01-023} First Floor Room ESE64 (12FT x 14FT):	
1	Remove and Replace in-kind, 168 SF of ceiling.
2	Remove and Replace in-kind, 4 each of light fixture
3	Remove and Replace in-kind, 168 SF of VCT floor.
4	Remove and Replace in-kind, 52 LF long vinyl base.
{01-024} First Floor Room ESE 65 (11FT x 23FT):	
1	Remove and Replace in-kind, 253 SF of ceiling.
2	Remove and Replace in-kind, 3 each of light fixture
3	Remove and Replace in-kind, 253 SF of VCT floor.
4	Remove and Replace in-kind, 68 LF long vinyl base.
{01-025} First Floor Room ESE 66 (28FT x 30FT):	
1	Remove and Replace in-kind, 844 SF of ceiling.
2	Remove and Replace in-kind, 10 each of light fixture.
3	Remove and Replace in-kind, 844 SF of VCT floor.
4	Remove and Replace in-kind, 116 LF long vinyl base.
{01-026} Basement Level Floor Area (124FT x 124FT):	
1	Remove and Replace in-kind, 15,376 SF of ceiling.
2	Remove and Replace in-kind, 182 each of light fixture.
3	Remove and Replace in-kind, 15,376 SF of VCT floor.
4	Remove and Replace in-kind, 500 LF of vinyl base.
{02-027} General:	
1	Remove and Replace in-kind, 30,000 SF of interior partitions.
2	Repaint, 30,000 SF of Remove and Replace in kind painted surfaces.
3	Remove and Replace in-kind, 1 each of fire alarm panel.
{03-028} Mold:	
1	Clean, 30,752 SF of facility square footage with mold presence.
HAZARD MITIGATION PROPOSAL (HMP) SCOPE OF WORK	
Measure A: Wind Retrofit Hazard Mitigation (replacement & supplementary):	
Roof	

1	Remove existing roofing system as applicable, and install SBS modified bitumen roofing system (replacement of base system). Total of 17,336 SF. Includes: <ul style="list-style-type: none"> a) Elastomeric asphalt primer. b) Roof deck insulation. c) Insulation cover board. d) SBS modified bitumen base and cap membranes. e) Walkways. f) Cap flashing (for flat membrane-protected overhang, at top of outer parapet). Total of 527 LF. g) Termination bars (for flat membrane-protected overhang, at top of inner roof downturn). Total of 483 LF.
2	Install additional metal roof anchors (extra fastening for upper metal roof). Total of 14,601 SF.
Openings	
1	Comprehensive window replacement (includes removal of existing items) <ul style="list-style-type: none"> a. Windows, aluminum/glass, combination solid panel/projected-out/fixed, 64" x 94"; total of 40 units.
2	Comprehensive ext. door replacement (includes removal of existing items) <ul style="list-style-type: none"> a. Doors, aluminum, full-glass, entrance type, double set, 62" x 98" (nominal). Total of 4 sets. b. Doors, aluminum, full-glass, entrance type, double set, 65" x 98" (nominal). Total of 2 sets. c. Doors, aluminum, full-glass, entrance type, double set, 64" x 98" (nominal). Total of 2 sets. d. Doors, steel, double set, 76" x 82" (nominal). Total of 2 sets.

BUILDING 009 – CENTRO DE ESTUDIANTES Y CAFETERIA	
PA Works	
{00-001} Building Envelope (85FT x 136FT):	
1	Remove and Replace in-kind, 2 each of door & frame.
01-004} Mold:	
1	Clean, 6,200 SF of facility square footage with mold presence.
HAZARD MITIGATION PROPOSAL (HMP) SCOPE OF WORK	
Measure A: Buildings and Structures/Doors and Windows Hazard Mitigation	
1	For Items damaged exterior doors, to provide protection against hurricane force winds, wind-driven rain and wind-blown debris: <ul style="list-style-type: none"> i. Install manually-deployed, ribbed interlocking shutters in translucent material, with upper channel/lower angle mount, lower wing-nut fasteners, overlapping substrate a total of 6" each way; total of 72.5 sf of protective surface, per the applicable HMP.

BUILDING 010 – EDIFICIO DE ENFERMERIA	
PA Works	
{00-001} Main Building (103FT x 153FT):	
1	Repaint, 8,192 SF of building exterior painted surfaces.
{00-001} Main Building (106FT x 152FT):	
1	Remove and Replace in kind, 2 each of window.
2	Remove and Replace in kind, 15 each of window seals.
3	Remove and Replace in kind, 28 each of panels, sandwich, window wall.
4	Remove and Replace in kind, 4 each of door.
5	Remove and Replace in kind, 2 each of door.
6	Remove and Replace in kind, 14 SY of parapet plaster.
7	Remove and Replace in kind, 1,400 SF of plaster soffits.
{00-001} Main Building (106x152):	
1	Remove and Replace in kind, 4 each of light.
{00-002} Mechanical Room Penthouse (33FT x 36FT):	
1	Repaint, 1,656 SF of building exterior painted surfaces.
2	Remove and Replace in kind, 1 each of door.
3	Remove and Replace in kind, 2 each of vent.
4	Remove and Replace, 30 SF of painted stucco wall surfaces.
{00-003} Roofing System Main Building:	
1	Remove and Replace in kind, 17,455 SF of roofing.
2	Remove and Replace in kind, 1 each of air conditioner, roof top.
3	Remove and Replace in kind, 14 each of roof drain.
4	Remove and Replace in kind, 725 SF of flashing.
{00-004} Roofing System Mechanical Room Penthouse (33FT x 36FT):	
1	Remove and Replace in kind, 1,188 SF of roofing.
2	Remove and Replace in kind, 140 SF of edge flashing.
3	Remove and Replace in kind, 1,188 SF of ceiling insulation.
{00-005} General:	
1	Repaint, 21,336 SF of building interior painted surfaces.
{01-005} First Floor Lobby/Main Hallway (32FT x 102FT):	
1	Remove and Replace in kind, 3,264 SF of ceiling.
{01-007} First Floor Room GS101 (18FT x 26FT):	
1	Remove and Replace in kind, 468 SF of ceiling.
2	Remove and Replace in kind, 8 each of light fixture.
3	Remove and Replace in kind, 214 SF of wall.
4	Remove and Replace in kind, 1 each of A/C, window.
5	Remove and Replace in kind, base, 4 IN, vinyl, 88 LF long.

{01-007a} First Floor Room GS122 (10FT x 9FT):	
1	Remove and Replace in kind, 90 SF of ceiling.
2	Remove and Replace in kind, 90 SF of floor.
{01-008} First Floor Room GS-102 (18FT x 26FT):	
1	Remove and Replace in kind, 468 SF of ceiling.
2	Remove and Replace in kind, 8 each of light fixture.
3	Remove and Replace in kind, 214 SF of wall.
4	Remove and Replace in kind, 1 each of A/C, window.
5	Remove and Replace in kind, base, 4 IN, vinyl, 88 LF long.
{01-008a} First Floor Room GS-103 (18FT x 26FT):	
1	Remove and Replace in kind, 468 SF of ceiling.
2	Remove and Replace in kind, 8 each of light fixture.
3	Remove and Replace in kind, 214 SF of wall.
4	Remove and Replace in kind, 1 each of A/C, window.
5	Remove and Replace in kind, base, 4 IN, vinyl, 88 LF long.
{01-008b} First Floor Room GS-104 (18FT x 26FT):	
1	Remove and Replace in kind, 468 SF of ceiling.
2	Remove and Replace in kind, 8 each of light fixture.
3	Remove and Replace in kind, 214 SF of wall.
4	Remove and Replace in kind, 1 each of A/C, window.
5	Remove and Replace in kind, base, 4 IN, vinyl, 88 LF long.
{01-009} First Floor Central Computer Lab (10FT x 32FT):	
1	Remove and Replace in kind, 320 SF of ceiling.
2	Remove and Replace in kind, 8 each of light fixture.
3	Remove and Replace in kind, 224 SF of wall.
4	Remove and Replace in kind, 160 SF of floor.
5	Remove and Replace in kind, base, 4 IN, vinyl, 84 LF long.
{01-010} First Floor Amphitheater Classroom (26FT x 36FT):	
1	Remove and Replace in kind, 936 SF of ceiling.
2	Remove and Replace in kind, 24 each of light fixture.
3	Remove and Replace in kind, 332 SF of wall.
4	Remove and Replace in kind, base, 4 IN, vinyl, 124 LF long.
{01-011} First Floor Office 12 (8FT x 11FT):	
1	Remove and Replace in kind, 3 each of light fixture.
2	Remove and Replace in kind, 380 SF of wall, drywall.
3	Remove and Replace in kind, base, 4 IN, vinyl, 38 LF long.
{01-012} First Floor Janitor's Closet (12FT x 15FT):	
1	Remove and Replace in kind, 12 each of ceiling.
{01-012} First Floor Janitor's Closet (8FT x 11FT):	
1	Remove and Replace in kind, 2 each of light fixture.
{01-013} First Floor Men's Room (12FT x 12FT):	

1	Remove and Replace in kind, 144 SF of ceiling.
{01-014} First Floor Women's Room (12FT x12FT):	
1	Remove and Replace in kind, base, 4 IN, vinyl, 45 LF long.
{01-016} First Floor Women's Faculty Rest Room (7FT x 5FT):	
1	Remove and Replace in kind, 35 SF of ceiling, 2FT x 2FT acoustic tile.
2	Remove and Replace in kind, 2 each of light fixture.
{01-017} First Floor Office GS-122 (12FT x 14FT):	
1	Remove and Replace in kind, 168 SF of ceiling.
2	Remove and Replace in kind, 4 each of light fixture.
3	Remove and Replace in kind, 276 SF of wall.
4	Remove and Replace in kind, base, 4 IN, vinyl, 52 LF long.
{01-018} First Floor Infirmary Simulation Lab (20FT x 40FT):	
1	Remove and Replace in kind, 800 SF of ceiling.
2	Remove and Replace in kind, 24 each of light fixture.
3	Remove and Replace in kind, 300 SF of wall.
4	Remove and Replace in kind, 2 each of A/C, window.
5	Remove and Replace in kind, base, 4 IN, vinyl, 120 LF long.
{01-018a} First Floor Women Bathroom (12FT x 12FT):	
1	Remove and Replace in kind, 144 SF of ceiling.
{01-019} First Floor Laboratory A (10FTx16FT):	
1	Remove and Replace in kind, 160 SF of ceiling.
2	Remove and Replace in kind, 5 each of light fixture.
3	Remove and Replace in kind, 308 SF of wall.
4	Remove and Replace in kind, 1 each of A/C, window.
5	Remove and Replace in kind, base, 4 IN, vinyl, 52 LF long.
{01-020} First Floor Room GS-105 (18FT x 25Ft):	
1	Remove and Replace in kind, 450 SF of ceiling.
2	Remove and Replace in kind, 8 each of light fixture.
3	Remove and Replace in kind, 286 SF of wall.
4	Remove and Replace in kind, 1 each of A/C, window.
5	Remove and Replace in kind, base, 4 IN, vinyl, 86 LF long.
{01-020} First Floor Room GS-121 (5FT x 8FT):	
1	Remove and Replace in kind, 40 SF of ceiling.
{01-021} First Floor Room GS-106 (18FT x 25Ft):	
1	Remove and Replace in kind, 450 SF of ceiling.
2	Remove and Replace in kind, 8 each of light fixture.
3	Remove and Replace in kind, 286 SF of wall.
4	Remove and Replace in kind, 1 each of A/C, window.
5	Remove and Replace in kind, base, 4 IN, vinyl, 86 LF long.
{01-022} First Floor Professor's Office 11 (10FT x 12FT):	
1	Remove and Replace in kind, 120 SF of ceiling.

2	Remove and Replace in kind, 4 each of light fixture.
3	Remove and Replace in kind, 204 SF of wall.
4	Remove and Replace in kind, 2 each of window.
{01-022} First Floor Professor's Office 11 (10x12):	
1	Remove and Replace in kind, base, 4 IN, vinyl, 44 FT long.
2	Remove and Replace in kind, 120 SF of floor
{01-023} First Floor Office A (10FT x 12FT):	
1	Remove and Replace in kind, 120 SF of ceiling.
2	Remove and Replace in kind, 4 each of light fixture.
3	Remove and Replace in kind, 204 SF of wall.
4	Remove and Replace in kind, base, 4 IN, vinyl, 44 LF long
{01-024} First Floor Office B (10FT x 12FT):	
1	Remove and Replace in kind, 120 SF of ceiling.
2	Remove and Replace in kind, 4 each of light fixture.
3	Remove and Replace in kind, 204 SF of wall.
4	Remove and Replace in kind, base, 4 IN, vinyl, 44 LF long.
{01-025} First Floor Office C (10FT x 12FT):	
1	Remove and Replace in kind, 120 SF of ceiling.
2	Remove and Replace in kind, 4 each of light fixture.
3	Remove and Replace in kind, 204 SF of wall.
4	Remove and Replace in kind, base, 4 IN, vinyl, 44 LF long.
{01-026} First Floor Office D (10FT x 12FT):	
1	Remove and Replace in kind, 120 SF of ceiling.
2	Remove and Replace in kind, 4 each of light fixture.
3	Remove and Replace in kind, 204 SF of wall.
4	Remove and Replace in kind, base, 4 IN, vinyl, 44 LF long
{01-027} First Floor Office E (10FT x 12FT):	
1	Remove and Replace in kind, base, 4 IN, vinyl, 44 FT long.
2	Remove and Replace in kind, 120 SF of ceiling.
3	Remove and Replace in kind, 4 each of light fixture.
4	Remove and Replace in kind, 204 SF of wall.
{01-028} First Floor Office F (10FT x 12FT):	
1	Remove and Replace in kind, 120 SF of ceiling, 2FT x 2FT acoustic tile, suspended, damp, stained, sagged, mold infested due to water infiltration, 0% work completed.
2	Remove and Replace in kind, 4 each of light fixture.
3	Remove and Replace in kind, 204 SF of wall
4	Remove and Replace in kind, base, 4 IN, vinyl, 44 LF long
{01-030} First Floor Dining Room/Break Room (11FT x 17FT):	
1	Remove and Replace in kind, 187 SF of ceiling.
{03-031} Mold:	

1	Remove and Replace in kind, 15,621 SF of facility square footage with mold presence.
HAZARD MITIGATION PROPOSAL (HMP) SCOPE OF WORK	
Roof	
1	Remove existing roofing system as applicable, and install SBS modified bitumen roofing system. Total of 18,306 SF. Includes: <ul style="list-style-type: none"> a. Elastomeric asphalt primer. b. Roof deck insulation. c. Insulation cover board. d. SBS modified bitumen base and cap membranes. e. Walkways. f. Cap flashing (for flat membrane-protected overhang, at top of outer parapet). Total of 550 LF. g. Termination bars (for flat membrane-protected overhang, at top of inner roof downturn). Total of 507 LF
Openings	
1	Comprehensive window replacement (includes removal of existing items). Includes: <ul style="list-style-type: none"> a. Windows, aluminum/glass, combination solid panel/projected-out/fixed, 64" x 94". Total of 50 units.
2	Comprehensive ext. door replacement (includes removal of existing items) <ul style="list-style-type: none"> a. Doors, aluminum, full-glass, entrance type, double set, 62" x 98" (nominal). Total of 4 sets. b. Doors, aluminum, full-glass, entrance type, double set, 65" x 98" (nominal). Total of 2 sets. c. Doors, steel, double set, 76" x 82" (nominal). Total of 1 set.
Load path	
1	For rooftop A/C equipment, provide adequate tiedown system. Includes: <ul style="list-style-type: none"> a. Steel wire rope, anchor bolts, turnbuckles and thimbles (stainless steel). Total of 1 unit. See List of Attachments below for supporting info.