

**UNIVERSITY OF PUERTO RICO
CENTRAL ADMINISTRATION
NOTICE OF REQUEST FOR PROPOSAL RFP #DRO 24-016 / B00010
DESIGN AND SUPERVISION SERVICES**

Administración
Central
Universidad de
Puerto Rico

Timeline:

RFP publication date: November 3, 2023.

Site visit (Not Compulsory) November 9, 2023, Time: 10:00 am
Location: : UPR Ponce Parking
Coordinates: (17.992191, -66.608479)

**Deadline for Request
for Information by email:** November 14, 2023, Time: on or before 4:30pm.

**Response for Request
for Information by email:** November 17, 2023, Time: on or before 4:30pm.

The proposal must be submitted **by email on or before 11:59pm (AST) on November 30, 2023**. Address the indicated contacts in Section II (Mr. Julio Collazo Rivera, attention to Eng. Eliezer Collazo Ortiz, Eng. Carlos Hiraldo, Eng. Luis Vilá and Eng. Oscar Ramos). The University of Puerto Rico (UPR) will accept offers via email in digital PDF format at uprecovery.rfp@upr.edu.



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 **B00010-DRO-11-2023-PON-Reconditioning and Repairs of 18 Buildings and 2 Sites at UPR Ponce, University of Puerto Rico**. 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 on UPR Ponce Campus and is divided into 18 buildings DI's and 2 Sites. Proponents will be working on the respective scope of work, as stated by FEMA and 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 requirements. Review and verification through the site area of FEMA's Scope of Work (SOW) and the proposed strategy 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, and in compliance with applicable actual codes and regulations. 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 inventories, abatement specifications to define the hazardous materials SOW in relation with the scope of the damages to be repaired.

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
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Julio A. Collazo (Nov 1, 2023 17:27 EDT)

Julio A. Collazo Rivera, Director

REQUEST FOR PROPOSAL FOR:

DESIGN AND SUPERVISION SERVICES FOR

Project Number: B00010-DRO-11-2023-PON

**Project Title: Reconditioning and Repairs of 18 Buildings and
2 Site's at UPR Ponce, University of Puerto Rico**

RFP #DRO 24-016 / B00010

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 – B00010-DRO-11-2023-PON-Reconditioning and Repairs of 18 Buildings and 2 Sites at UPR Ponce, University of Puerto Rico**, ("The Project"). This Program is 90% (\$729,586,955.09) 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: As-Built, Basis of Design, detail design, specifications, cost estimates, schedules, scopes of work for execution logistic, and assistance in 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, Eng. Eliezer Collazo, Eng. Luis F. Vila and Eng. Oscar Ramos

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: uprrecovery.rfp@upr.edu

NOTICE: Be advised that interested proponents must register receipt of this RFP at uprrecovery.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	November 3, 2023.
Site Visit (Not Compulsory): Location: Parking UPR Ponce Coordinates: (17.992191, -66.608479). Be advised that interested proponents must register via email. Please provide complete company name, representative's name and email.	November 9, 2023 Time: 10:00 a.m.
Deadline for Request for Information (RFI) by email	November 14, 2023, Time: on or before 4:30pm Atlantic Standard Time (AST)
Response for Request for Information by email	November 17, 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)	November 30, 2023, Time: on or before 11:59pm Atlantic Standard Time (AST).
Award Notification	January 2024
Execution of Agreement	January 2024

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 AND DESIGN STRATEGY

The project considers the repairs works of five (18) buildings and (2) sites located in UPR Ponce Campus, described in the following damage inventories (DI's):

PW3599 - MUPR047 Ponce Group 01

1. 151526 Ponce Edificio 008 Almacén de Reactivos
2. 195891 Ponce Edificio 017 Edificio J
3. 195900 Ponce Edificio 026 Edificio J Anexo
4. 195904 Ponce Edificio 033 Laboratorio de Investigación de Biotecnología Agrícola

PW3342 – MUPR 050 Ponce Group 02

5. 151521 Ponce Edificio Académico Ruth Fortuno

PW5093 - MUPR048 Ponce Group 03 Totals

6. 151519 Ponce Edificio 001 Biblioteca Adelina Coppin Alvarado
7. 151520 Ponce Edificio de Estudiantes
8. 151522 Ponce Anfiteatro
9. 151524 Ponce Edificio de Usos Múltiples Victor Madera

PW6395 - MUPR049 Ponce Group 04 Totals

10. 151525 Ponce Edificio 007 Edificio de la Guardia de Seguridad
11. 151528 Ponce Edificio 010 Edificio C Salones de Clase Pre-Escolar
12. 151529 Ponce Edificio 011 Edificio D Salones de Clase
13. 151530 Ponce Edificio 012 Edificio E Salones de Clase, Oficinas
14. 151531 Ponce Edificio 014 Edificio G Nómina, Talleres
15. 151532 Ponce Edificio 013 Edificio F Departamento de Educación
16. 151533 Ponce Edificio 016 Edificio de Jardinería
17. 151534 Ponce Edificio 015 Edificio H Recursos Físicos
18. 195907 Ponce 444 Site

PW10917 – MUPR051 Ponce Group 05

19. 151523 Ponce Edificio 005 Edificio de Administración
20. 264207 Ponce E-444 Electrical Site

The project will be on UPR Ponce Campus. The project is divided into 18 buildings DI's and 2 Sites, which the awarded firm will provide oversight services and coordination for the execution of the project. Proponents will be working on the respective scope of work, as stated by FEMA and 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. Review and verification through the site area of FEMA's Scope of Work (the "SOW") and the proposed strategy 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, and in compliance with applicable actual codes and regulations.

The design scope will be executed once the Awarded Proponent has its contract. The priorities will be defined with UPR Ponce and the Disaster Recovery Office. As part of the development, the A/E firm evaluates and develops the design package that considers:

- a. **Alternative Procedure** for submission to COR3 and FEMA for the compliance of the requirements of FEMA and PRDOH/CDBG-DR Non-Federal Match Program, that might consider the following strategies:
 - o *Improved Project or Scope of Work Alignment* for the compliance of the requirements for approval of FEMA, as applicable.
 - o Should be considered in the initial design phase (Schematic) to evaluate the scope with the owner and define the SOW to develop the design, which could require *alignment of the scope* or an *improved project*. Refer to **Appendix G** for the FEMA requirements and checklist for submission of alternatives procedures (share funds, alternate projects, improved projects).
- b. **Design Services** which include, but may not be limited to:
 - o Visit and identify the FEMA damages (as per SOW Appendix)
 - o Validation of the strategy with the owner (UPR ORD & UPR Campus)
 - o As Built
 - o Design (schematic, design development, construction documents), technical specifications, cost estimates, schedules, and bidding phase assistance.)
 - o Infrastructure, safety, energy efficiency and technology measures in accordance with the hazard mitigation scope
 - o Abatement for lead and asbestos materials
 - o Endorsements and Permits
 - o Technical Studies as Additional Services (detailed or described the possibles)
 - o Field Supervision
 - o Other services required related to design and supervision services.

- c. **Development of the Logistic Plan** for the Design, Permits, Bid packages and Construction Execution phases in relation to the approved budgets and schedule. The purpose of this plan is to coordinate activities with the Central Administration not cause adverse effects with the academic and administrative functions.

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 inventories, abatement specifications to define the hazardous materials SOW in relation with the scope of the damages to be repaired.

This RFP has the objective of developing the permanent works (Category E) obligated by FEMA in Public Assistance (PA) and Hazard Mitigation Program (HMP). The A/E firm will be working on the respective scope of work, as stated by FEMA.

In general terms, the required tasks for those buildings are as follows in **Appendix F**.

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 as part of the schematic design phase, for the purpose of Scope of Work Alignment. The UPR will provide guidelines for roof design. The awarded proponent will be responsible for the design following such guidelines and for preparing cost estimates for the mentioned SOW and any additional SOW as required by UPR for compliance with all internal and FEMA procedures. In addition, the awarded proponent shall perform technical assessments of existing roof conditions, technical specifications, including but not limited to infrared photography; uplift test; cores; materials; roof elements, including equipment, and existing roof perforations to be included as part of the as built. These plans and other documents will comply with the above requirements and must be submitted to the UPR for consideration and approval.

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.
- 5.1.7 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.
- 5.1.8 As part of the Basic Services the Awarded Proponent shall have the responsibility related to the preparation, processing and obtaining all the Endorsements and Permits required for the project. Has the responsibility of evaluating and determining the applicable permits to the project and doing everything necessary for compliance with state and federal agencies. These efforts will not be additional services, will be part of the basic services. The payments for submitting the endorsements, technical consultants, and/or permits to the applicable agencies will be part of the reimbursable expenses incurred costs.

Including lead and asbestos remediation permits and/or certificates in buildings prior to 1990. In addition, any environmental and historical agency that is required for this project.

The UPR reserves the right to award and request Additional Services. The award of Additional Services for a contract does not imply the complete utilization of the Additional Services amount. All necessary additional services must be requested to or authorized by the UPR. Requests for Additional Services will be made in writing, detailing their nature and associated costs, including coordination costs and the time required for execution.

Unless covered under the definition of Basic Services, all services that deviate from the generally accepted architecture/engineering practices will be considered as additional services. Specifically, this refers to services beyond those described in the contract, which the UPR will approve in writing, and within the budget allocated for these services.

Upon contract signing, to activate the Additional Services clause, the awarded proponent must submit a proposal. The UPR will then assess the necessity of performing the additional services. If deemed necessary, and in compliance with the federal procurement process, the UPR may request a minimum of three different proposals. Alternatively, the UPR can activate the clause by requesting additional services from the awarded proponent.

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

6. COST PROPOSAL

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

Note: Do not modify the template in Appendix D. All spaces are required and must be filled. If any space does not apply you should put (N/A) or other information. This is a substantial requirement, do not leave any blank spaces, for it could be cause for disqualification.

7. REQUIRED DOCUMENTS FOR THE SUBMISSION OF THE PROPOSAL

General Instructions

The evaluation and selection of a proposal will be based on the information submitted as required in this RFP. Additional information may be required upon interviews, if conducted. 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 read, understands, and accepts 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 addressed 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): Identifying the name and number of the RFP, and date of submittal. The letter must be signed by an authorized representative of the organization, that states the acceptance of the Terms and Conditions of this RFP, providing the exact business name to conduct business with the UPR, and 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, including additional SOW fee percentage (%)
- **Cost Proposal Breakdown** - Provide Cost Estimate Breakdown based in SOW provided in Appendix F.
- **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.**
- **Appendix E** – Response Checklist - Before signing and submitting the proposal for this Project, interested proponents should carefully review and fill the Appendix E – Response Checklist.

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 and must reference this specific RFP (**RFP #DRO 24-016 / B00010**) in the subject line of the email. No telephone inquiries will be allowed. No further questions will be allowed after the established date. No questions will be accepted after the deadline provided in the above schedule, subject to any amendment to the same duly notified.

Any interpretations, correctios, or changes to this RFP will be made by addendum. Any changes to specifications will be made in writing and delivered to proponents that register receipt of this RFP at uprrecovery.rfp@upr.edu . Proponents shall acknowledge receipt of the addenda on **Appendix D – Cost Proposal**.

8. UPR RESPONSIBILITIES

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

- All the available information 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 interviews, 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 – Refer to Appendix A Statement of the Bidder

- Provide a complete profile of your organization, mission, and vision statements.

Experience and strategy in providing the services (up to 30 points) – Refer to Appendix A Statement of the Bidder

- Describe the organization/company's history, experience, and capabilities as it relates to the proposed scope of work. Be specific and detail no more than three projects/contracts: description of work, dates, locations, challenges, and results. (up to 4 points)
- Indicate relevant experience in projects with FEMA grants. (up to 6 points)
- Please indicate whether you have experience working with public or federal entities, and years of experience performing like services. (up to 6 points)
- Provide specific examples of the services or tasks previously provided by the entity as considered in this RFP. (up to 8 points)
- Detail your firm's understanding of the challenges and barriers for a project like this and proposed approach to overcoming these barriers. (up to 3 points)
- Identify potential risk factors and methods for dealing with these factors. (up to 3 points)

Team qualifications (up to 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 and FEMA regulatory requirements. 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. Any subcontractors should be named, along with a description of experience and what role they will play on the Proponent's team. The proponent should describe its

demonstrated capability to provide the staffing with the qualifications required in this RFP through the term of the expected contract. (up to 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 (up to 10 points)
 - Personnel/Trade specialist mechanical, electrical, architectural, structural, roofing systems specialist, civil and/or other qualifications per trades based on SOW.

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

- A minimum of three (3) references of the Proponent (as Prime Contractor) to which similar services have been provided within the past five years of a comparable sized institution or company, offering for each a summary of the work performed and how it relates to the scope of work under this RFP. Each reference should include a point of contact name, their title, name of the organization they represent, and their phone and e-mail information so that they may be contacted by the UPR or its designer(s). The Proponent is encouraged to provide up to two (2) references for identified subcontractors. (up to 5 points)
- If the Proponent has previous contracts with the UPR the performance directly related to those services will be taken into account as an additional reference to those minimally required.

Cost Proposal Breakdown (5 points)

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

Cost Proposal (25 points) – 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: $(\text{Lowest Cost Proposal} / (\text{Cost Proposal being evaluated}) \times \text{Total Cost Proposal Points})$. The 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 will 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.** The certification should be provided by the following agencies as stated in the PRDOH M/WBE Policy Guide:
 - **MBDA** – Minority Business Development Agency PR
 - **WBENC** – Women’s Business Enterprise National Council PR
 - **PMSDC** – Puerto Rican Minority Supplier Development Council
 - **EPA** – Office of Small Business Programs OSDPU

For more information, please click the link below:

<https://cdbg-dr.pr.gov/en/section-3/enterprise-woman-minority-mwbe/m-wbe-policy/>

TABLE - SUMMARY OF POINTS

Description	Points
Experience and strategy in providing the services	30
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.

The RFP may not be awarded to the Proponent who submitted the lowest price if, in the judgment of the Committees or the UPR, another Proposal offers a better value for the Government of Puerto Rico.

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. JUDICIAL REVIEW

Any proponent adversely affected by a decision made by the UPR in connection with the selection and award procedures provided in this RFP may submit a request for reconsideration to the UPR in accordance with the Uniform Administrative Procedure Act, Law No. 38 of June 30, 2017, as amended, within ten (10) days from the award notification date to the following email uprrecovery.rfp@upr.edu.

A request for reconsideration, as well as any other petition for review, must be in writing and clearly identify the name and address of the requesting party, contain a detailed and accurate statement of the grounds for the request, including copies of all relevant documents, and specify the relief requested. A request for reconsideration or other petition for review that fails to comply with the time limits or procedures stated above or otherwise provided in this section may be dismissed or denied without further consideration. If the UPR fails to act on the motion for reconsideration within ten (10) business days of the filing thereof, it shall be understood that the motion was denied outright and the term for judicial review shall begin to elapse from said date.

If the UPR accepts the reconsideration request within the term provided for it, it must issue the reconsideration resolution within thirty (30) days following the filing of the motion for reconsideration. If the UPR accepts the reconsideration request but doesn't take any action in relation to the motion within thirty (30) days of being filed, it will lose jurisdiction over it and the term to request judicial review will begin from the expiration of said term of thirty (30) days. The UPR may extend said term only once, before it ends, for an additional term of fifteen (15) days.

Judicial Review. The proponent adversely affected by the UPR's final decision on reconsideration may file a petition for judicial review in accordance with the Uniform Administrative Procedure Act, Law No. 38 of June 30, 2017, as amended, before the Court of Appeals, within a term of twenty (20) days from the date a copy of the notice of the final resolution or order was filed in the record of the UPR or from the term of twenty (20) days from the expiration of the thirty (30) day period within which the UPR must act upon the request for reconsideration or from the time extended by the agency, if applicable. The party shall notify the UPR and all other parties of the filing of the petition for review within the term established to request such review. The notice may be sent by mail. Provided that if the date on which the copy of the notice of adjudication is filed in the records of the agency differs from the mailing date of said notice, the term shall be calculated from the mailing date.

14. BLACKOUT PERIOD

14.1. Definition of Blackout Period

The blackout period is a specified period during a competitive procurement process in which any Proponent, bidder, or its agent or representative, is prohibited from communicating with any UPR's employee or UPR's contractor involved in any step in

the procurement process about the solicitation. The blackout period applies not only to UPR employees, but also to any current contractor of the UPR. "Involvement" in the procurement process includes but may not be limited to project management, design, development, implementation, procurement management, development of specifications, and evaluation of proposals for a particular procurement.

This solicitation designates the contact person (RFP Coordinator) and all communications to and from potential Contractors and/or their representatives during the blackout period must be in accordance with this RFP's defined method of communication with the RFP Coordinator. The blackout period begins on the date that the UPR first issued the publication of this RFP and will end when the 20 days of request for judicial review have passed.

In the event a prospective Contractor may also be a current UPR contractor, UPR employees and the prospective Proponent may contact each other with respect to their existing contract and duties only. Under no circumstances UPR employees or current contractors discuss this RFP or corresponding procurement process or status. Any bidder, Proponent, or UPR contractor who violates the blackout period may be excluded from the awarding contract and/or may be liable to the UPR in damages and/or subject to any other remedy allowed under law, including but not limited to a ban in participating in any procurements issued by or for the UPR, or any entity of the Government of Puerto Rico, for a period of ten (10) years, if it is determined that such action results in violation of the Anticorruption Code, Puerto Rico Act 2-2018.

14.2. Other Prohibited Communications

Communications with other representatives of the Government of Puerto Rico or relevant entities of the Federal Government regarding any matter related to the contents of this RFP are prohibited during the submission and selection processes. Failure to comply with these communications restrictions will result in rejection of the Proponent's proposal.

15. UPR DISCLAIMERS

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

15.1. Equal Employment Opportunity and Non-Discrimination

15.1.1. 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.

15.2. Conflict of Interest

- 15.2.1. No employee, officer, or agent may participate in the selection, award, or administration of a contract supported by a federal award if he or she has a real or apparent conflict of interest. The purpose of this prohibition is to ensure, at a minimum, that employees involved in the award and administration of contracts are free of undisclosed personal or organizational conflicts of interest—both in fact and appearance (2 C.F.R. § 200.318(c)(2)).
- 15.2.2. 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.
- 15.2.3. 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 the 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.
- 15.2.3.1. A real conflict of interest arises when an employee, officer, 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 aforementioned individuals, has a financial or other interest or a tangible personal benefit from a firm considered for a contract.
- 15.2.3.2. An apparent conflict of interest is an existing situation or relationship that creates the appearance that an 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.
- 15.2.3.3. Although the term "financial interest" is not defined or otherwise described in the Uniform Rules, a financial interest can be considered to be the potential for gain or loss to 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 these parties as a result of the particular procurement. The prohibited financial interest may arise from:
- 15.2.3.3.1. Ownership of certain financial instruments or investments like stock, bonds, or real Estate.

15.2.3.3.2. A salary, indebtedness, job offer, or similar interest that might be affected by the procurement.

15.3. Proponent's Error and Omissions

15.3.1. 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 with 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.

15.4. Proponent's Expenses

15.4.1. 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.

15.5. Selection of proposal in best interest of the UPR

15.5.1. 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.

15.6. Number of Awards

15.6.1. 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").

15.7. Withdrawal Proposals

15.7.1. 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.

15.8. SAM Registration

15.8.1. 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.

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

15.9.1. 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.

15.9.2. 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 the 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.

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

15.10. Ownership of Proposals

15.10.1. 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.

15.11. Confidentiality of Proposals

15.11.1. 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.

15.12. Collection and Use of Personal Information

15.12.1. 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.

15.13. RFP and Proposal as Part of Agreement

15.13.1. 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.

15.14. Non-Assignment

15.14.1. 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.

15.15. Causes for Disqualification

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

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

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

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

15.16. No Bid

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

15.17. Sub-Contracts or Consultants of the Awarded Proponent

15.17.1. 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.

16. 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 within **ten (10) calendar days** of selection. **These documents are essential requirements, the UPR reserves the right to cancel the award and/or RFP if the awarded proponent does not comply with the aforementioned term to submit documents:**

- ☐ 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 Corporation'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 an 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 evidence of 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

17. 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, 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 and FEMA regulatory requirements. 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. Any subcontractors should be named, along with a description of experience and what role they will play on the Proponent's team. The proponent should describe its demonstrated capability to provide the staffing with the qualifications required in this RFP through the term of the expected contract. Attach resumes of personnel (or/and subcontractors, 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. Personnel/Trade specialist mechanical, electrical, architectural, structural, roofing systems specialist, civil and/or other 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

Initials _____

18. 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 24-016 / B00010

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 24-016 / B00010

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 24-010 / B00010** 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

Initials _____

impair, or give the appearance of impairing, impartial judgment in 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 24-016 / B00010

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 _____

19. APPENDIX C

POLICIES AND INSURANCE

Required Insurance for the project

RFP #DRO 24-016 / B00010

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

- (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
- (X) Auto
Limits – Combined Single Limit of \$500,000
- (X) Endorsements required for CGL & Auto:
 - (X) Hold Harmless Agreement
 - (X) Additional Insured
 - (X) Thirty (30) days cancellation notice
 - (X) Waiver of Subrogation
- (X) Errors & Omissions / Professional Liability – Limits \$1,000,000.00

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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20. APPENDIX D

COST PROPOSAL

COST PROPOSAL

RE: B00010-DRO-11-2023-PON-Reconditioning and Repairs of 18 Buildings and 2 Sites at UPR Ponce, University of Puerto Rico
RFP #DRO 24-016 / B00010

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

Note: Do not modify this Cost Proposal Template. Fill all the required spaces. If any space does not apply you should put (N/A) or other information. Do not leave any blank spaces.

COST PROPOSAL		
PW #3599 MUPR047 Ponce Group 01 DI151526, DI195891, DI195900 and DI195904		
Estimated Construction Cost for the proposed development: \$_____ (required)		
Professional design and supervision fees have been computed based on the estimated construction cost mention above:		
PHASE	TIME (Calendar Days)	FEE
BASIC Services:		
Schematic design (Validates the damages, schematic plans and estimate, development of the scope alignment and/or improved project strategy for submit to FEMA/COR3.)	____ days	\$
Preliminary design	____ days	\$
Construction Documents	____ days	\$
Bidding and Negotiation	N/A	\$
Design Subtotal:	N/A	\$
Supervision:	____ months x \$_____ monthly	\$
BASIC SERVICES TOTAL*:		\$
Additional Services: • As Built	____ days	\$
Reimbursable Expenses**: For fees, stamps, and filing costs related to endorsements and permits from permit regulatory offices.	N/A	\$

_____ (\$ _____) Write the total amount (Basic Services Total + As-Built + Reimbursable Expenses) in words and numbers
Additional SOW Fee % _____ (Design subtotal + Supervision) / Estimated Cost

*The Basic Services will consider all the required permitting efforts with the state and federal agencies and the design of the Roof Waterproofing System with all its components.

**For Reimbursable Expenses, the UPR reserves the right to adjust the amount for their convenience. These services will be approved after submitting the proposal and order to proceed by the University.

For other possible Additional Services the UPR reserves the right to adjust these amounts for their convenience.

Description of other possible Additional Services

The UPR establishes an amount of **\$5,000.00** for other possible **Additional Services**.

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

Fees for Professional Services	
	Fee per hour

COST PROPOSAL		
PW #3342 MUPR050 Ponce Group 02 DI151521		
Estimated Construction Cost for the proposed development: \$_____ (required)		
Professional design and supervision fees have been computed based on the estimated construction cost mention above:		
PHASE	TIME (Calendar Days)	FEE
BASIC Services:		
Schematic design (Validates the damages, schematic plans and estimate, development of the scope alignment and/or improved project strategy for submit to FEMA/COR3.)	____ days	\$
Preliminary design	____ days	\$
Construction Documents	____ days	\$
Bidding and Negotiation	N/A	\$
Design Subtotal:	N/A	\$
Supervision:	____ months x \$_____ monthly	\$
BASIC SERVICES TOTAL*:		\$
Additional Services: • As Built	____ days	\$
Reimbursable Expenses**: For fees, stamps, and filing costs related to endorsements and permits from permit regulatory offices.	N/A	\$
_____ (\$_____)		
Write the total amount (Basic Services Total + As-Built + Reimbursable Expenses) in words and numbers		
Additional SOW Fee %_____ (Design subtotal + Supervision) / Estimated Cost		

*The Basic Services will consider all the required permitting efforts with the state and federal agencies and the design of the Roof Waterproofing System with all its components.

****For Reimbursable Expenses, the UPR reserves the right to adjust the amount for their convenience. These services will be approved after submitting the proposal and order to proceed by the University.**

For other possible Additional Services the UPR reserves the right to adjust these amounts for their convenience.

Description for other possible Additional Services

The UPR establishes an amount of **\$50,000.00** for other possible **Additional Services**.

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

Fees for Professional Services	
	Fee per hour

COST PROPOSAL		
PW 5093 MUPR048 Ponce Group 03 DI151519, DI151520, DI151522 and DI151524		
Estimated Construction Cost for the proposed development: \$_____ (required)		
Professional design and supervision fees have been computed based on the estimated construction cost mention above:		
PHASE	TIME (Calendar Days)	FEE
BASIC Services:		
Schematic design (Validates the damages, schematic plans and estimate, development of the scope alignment and/or improved project strategy for submit to FEMA/COR3.)	____ days	\$
Preliminary design	____ days	\$
Construction Documents	____ days	\$
Bidding and Negotiation	N/A	\$
Design Subtotal:	N/A	\$
Supervision:	____ months x \$ _____ monthly	\$
BASIC SERVICES TOTAL*:		\$
Additional Services: • As Built	____ days	\$
Reimbursable Expenses**: For fees, stamps, and filing costs related to endorsements and permits from permit regulatory offices.	N/A	\$
_____ (\$_____)		
Write the total amount (Basic Services Total + As-Built + Reimbursable Expenses) in words and numbers		
Additional SOW Fee %_____ (Design subtotal + Supervision) / Estimated Cost		

*The Basic Services will consider all the required permitting efforts with the state and federal agencies and the design of the Roof Waterproofing System with all its components.

****For Reimbursable Expenses, the UPR reserves the right to adjust the amount for their convenience. These services will be approved after submitting the proposal and order to proceed by the University.**

For other possible Additional Services the UPR reserves the right to adjust these amounts for their convenience.

Description of other possible Additional Services

The UPR establishes an amount of **\$20,000.00** for other possible **Additional Services**.

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

Fees for Professional Services	
	Fee per hour

COST PROPOSAL		
PW #6395 MUPR049 Ponce Group 04 DI151525, DI151528, DI151529, DI151530, DI151531, DI151532, DI151533 DI151534 and DI195907		
Estimated Construction Cost for the proposed development: \$_____ (required)		
Professional design and supervision fees have been computed based on the estimated construction cost mention above:		
PHASE	TIME (Calendar Days)	FEE
BASIC Services:		
Schematic design (Validates the damages, schematic plans and estimate, development of the scope alignment and/or improved project strategy for submit to FEMA/COR3.)	____ days	\$
Preliminary design	____ days	\$
Construction Documents	____ days	\$
Bidding and Negotiation	N/A	\$
Design Subtotal:	N/A	\$
Supervision:	____ months x \$_____ monthly	\$
BASIC SERVICES TOTAL*:		\$
Additional Services: • As Built	____ days	\$
Reimbursable Expenses**: For fees, stamps, and filing costs related to endorsements and permits from permit regulatory offices.	N/A	\$
_____ (\$_____)		
Write the total amount (Basic Services Total + As-Built + Reimbursable Expenses) in words and numbers		
Additional SOW Fee %_____ (Design subtotal + Supervision) / Estimated Cost		

*The Basic Services will consider all the required permitting efforts with the state and federal agencies and the design of the Roof Waterproofing System with all its components.

****For Reimbursable Expenses, the UPR reserves the right to adjust the amount for their convenience. These services will be approved after submitting the proposal and order to proceed by the University.**

For other possible Additional Services the UPR reserves the right to adjust these amounts for their convenience.

Description of other possible Additional Services

The UPR establishes an amount of **\$5,000.00** for other possible **Additional Services**.

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

Fees for Professional Services	
	Fee per hour

COST PROPOSAL		
PW #10917 MUPR051 Ponce Group 05 DI151523 and DI151527		
Estimated Construction Cost for the proposed development: \$_____ (required)		
Professional design and supervision fees have been computed based on the estimated construction cost mention above:		
PHASE	TIME (Calendar Days)	FEE
BASIC Services:		
Schematic design (Validates the damages, schematic plans and estimate, development of the scope alignment and/or improved project strategy for submit to FEMA/COR3.)	____ days	\$
Preliminary design	____ days	\$
Construction Documents	____ days	\$
Bidding and Negotiation	N/A	\$
Design Subtotal:	N/A	\$
Supervision:	____ months x \$_____ monthly	\$
BASIC SERVICES TOTAL*:		\$
Additional Services: • As Built	____ days	\$
Reimbursable Expenses**: For fees, stamps, and filing costs related to endorsements and permits from permit regulatory offices.	N/A	\$
_____ (\$_____)		
Write the total amount (Basic Services Total + Reimbursable Expenses) in words and numbers		
Additional SOW Fee %_____ (Design subtotal + Supervision) / Estimated Cost		

*The Basic Services will consider all the required permitting efforts with the state and federal agencies and the design of the Roof Waterproofing System with all its components.

****For Reimbursable Expenses, the UPR reserves the right to adjust the amount for their convenience. These services will be approved after submitting the proposal and order to proceed by the University.**

For other possible Additional Services the UPR reserves the right to adjust these amounts for their convenience.

Description of other possible Additional Services

The UPR establishes an amount of **\$10,000.00** for other possible **Additional Services**.

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

Fees for Professional Services	
	Fee per hour

The proponent acknowledges the receipt of the following **addenda** and, unless otherwise specified, accepts that changes required in these Addenda are included in the Proposal:

Addendum No. 1– Description: _____

 Date _____

Addendum No. 2– Description: _____

 Date _____

Initials _____

Addendum No. 3– Description: _____

Date _____

☐ No Addendum was received in connection with this RFP. If no Addenda is received, check the box.

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

Seal (if Bidder is a Corporation)

Initials _____

21. APPENDIX E

RESPONSE CHECKLIST

Response Checklist

Note: Before submitting the proposal to this RFP, please review the following:

- ☐ Did you include a Letter of Intent identifying the name and number of the RFP, date of submittal, signed by an authorized representative of the organization, that states the acceptance of the Terms and Conditions of this RFP, providing the exact business name to conduct business with the UPR, and address, telephone, fax number, e-mail address and SAM Entity Identifier Number?
- ☐ Do you have an **Active** Registration on SAM.gov?
- ☐ Did you complete and sign Appendix A - Statement of the Bidder?
- ☐ Did you fully complete Part 1 through 6 in the Statement of the Bidder, Appendix A?
- ☐ Did you attach the resumes of all firm personnel teamwork (or/and sub-contractors, specialized trades consultants, if any) who will be providing the services?
- ☐ Did you fully complete and include the additional SOW Fee Percentage (%) in Appendix D – Cost Proposal?
- ☐ If any space does not apply in Appendix D – Cost Proposal, did you put (N/A) or other information?
- ☐ Did you acknowledge the Addendums in Appendix D – Cost Proposal, if applicable?
- ☐ Did you **sign** and **seal** Appendix D – Cost Proposal following the instruction in Section 7 - REQUIRED DOCUMENTS FOR THE SUBMISSION OF THE PROPOSAL?
- ☐ Did you include a Cost Estimate Breakdown based on SOW provided in Appendix F – Scope of Work?
- ☐ Did you complete and include the required Federal Documents in Appendix B (Lobbying Certification, Non-Conflict of Interest Certification and Limited Denial of Participation Affidavit)?
- ☐ Did you include a color copy of the engineer's or architect's professional ID (Identificación de Colegiación) and a copy of the Department of State License?
- ☐ Did you include a copy of initialized RFP and its Appendices?
- ☐ Before signing and submitting the proposal for this Project, did you carefully review the Appendix E – Response Checklist?

22. APPENDIX F

SCOPE OF WORK

I. GENERAL DATA OF THE PROJECT:

Campus: **UPR Ponce**

Project Worksheet: **3599, 3342, 5093, 6395 and 10917**

Damage Inventories (DI):

PW3599 MUPR047 Ponce Group 01

1. DI151526 Ponce Edificio 008 Almacén de Reactivos
2. DI195891 Ponce Edificio 017 Edificio J
3. DI195900 Ponce Edificio 026 Edificio J Anexo
4. DI195904 Ponce Edificio 033 Laboratorio de Investigación de Biotecnología Agrícola

PW3342 MUPR050 Ponce Group 02

5. DI151521 Ponce Edificio 003 Edificio Académico Ruth Fortuño

PW5093 MUPR048 Ponce Group 03

6. DI151519 Ponce Edificio 001 Biblioteca Adelina Coppin Alvarado
7. DI151520 Ponce Edificio 002 Edificio de Estudiantes
8. DI151522 Ponce Edificio 004 Anfiteatro
9. DI151524 Ponce Edificio 006 Edificio de Usos Múltiples Víctor Madera

PW6395 MUPR049 Ponce Group 04

10. DI151525 Ponce Edificio 007 Edificio de la Guardia de Seguridad
11. DI151528 Ponce Edificio 010 Edificio C Salones de Clase Pre-Escolar
12. DI151529 Ponce Edificio 011 Edificio D Salones de Clase
13. DI151530 Ponce Edificio 012 Edificio E Salones de Clase, Oficinas
14. DI151531 Ponce Edificio 014 Edificio G Nómina, Talleres
15. DI151532 Ponce Edificio 013 Edificio F Departamento de Educación
16. DI151533 Ponce Edificio 016 Edificio de Jardinería
17. DI151534 Ponce Edificio 015 Edificio H Recursos Físicos
18. DI195907 Ponce 444 Site

PW10917 MUPR051 Ponce Group 05

19. DI151523 Ponce Edificio 005 Edificio de Administración
20. DI151527 Ponce E-444 Electrical Site

PW3599 - MUPR047 Ponce Group 01

1. 151526 Ponce Edificio 008 Almacén de Reactivos



Facility Description: The Reactive Chemical Storage building is a 588 SF, 1 story building that was constructed in 1990 (29 years old). The Biohazard Waste Storage building is 99 SF and was constructed in 1990 (29 years old). The buildings are two separate structures at this location, and both structures are poured in place concrete on concrete slab. Building 8, called the Reactive Chemical Storage Building is 588 SF, one story (9 FT to eave), it has a flat, concrete roof with an elastomeric coating and painted concrete exterior walls. The interior has painted concrete walls and sealed floors. Building 8A, the Biohazard Waste Storage is a single story (9 FT to eave) 99 SF building. The roof is a concrete flat roof with a drain and elastomeric coating. The exterior is painted concrete. The interior ceiling and walls are plastered finished concrete, with a ceramic tile floor and sealed concrete. **Approx. Year Built: 1990. GPS Latitude/Longitude: 17.99187, -66.60723**

PA Scope of Work for Permanent Work

Perimeter Fencing:

- A.1: Remove and replace 1 section of Chain-link fence, 20 FT wide x 10 FT high
- A.2: Remove and replace 130 ft of 3 strand barbed wire
- A.3: Remove and replace 1 double chain link gate 8 FT wide x 10 FT

Reactive Chemical Storage Building

- B.1: Replace 2 FT wide x 3 FT high A/C fan screen (expanded metal with air filter)
- B.2: Scrape, clean, prime and paint 2,592 SF of concrete surfaces
- B.3: Remove and replace 1 smoke / heat sensor, surface mounted
- B.4: Repair 588 SF of roof, concrete, elastomeric coating
- B. 5: Remove and replace 22 ft of galvanized sheet metal expansion joint cover.

Biohazard Waste Storage

- C.1: Remove and replace 5 windows (4 FT wide x 3 FT high) with aluminum jalousie, and perimeter seal
- C.2: Scrape, clean, prime and paint 1,080 SF of painted concrete surfaces
- C.3: Remove and replace 1 smoke / heat sensor, surface mount
- C.4: Remove and replace 6 SF of concrete plaster
- C.5: Repair 99 SF of roof, concrete, elastomeric coating

Hazard Mitigation Proposal (HMP) Scope of Work

Damage #151526; U PR Ponce Edificio 008 Almacén de Reactivos

The facility's fences, gates and elastomeric roof membranes were damaged due to high winds. As hazard Mitigation the applicant is proposing to strengthen the fences, gates, repair roof cracks and level in order to avoid ponding in existing roof assembly.

{00-001} General:

1. Perimeter Fencing:

- a. Increase strength of chain link fence, 20 FT wide x 10 FT high, by changing the spacing between posts from 10 FT O.C. to 8 FT O.C. and bury posts 1 FT deeper. [SRK1] [RL2]
- b. Supplement 1 each of fence chain link gate, double, 8 FT wide x 10 FT high, with Chain Link Fence Braces (16 L.F) to increase the strength of the gate.

{01-001} Reactive Chemical Storage:

Roof:

- a. Supplement Elastomeric Roof Membrane, 588 SF, scope of work with additional work required to seal concrete roof cracks, and level roof per Puerto Rico Building Code 2018 requirements, so water does not pond and provoke leaks at the roof. Flashing was not included since the roof does not have a parapet. The following items have been included for cost estimating purposes:
 - 1. Apply Pressure Washer 7 gpm, 3000 psi, Incl. Hourly Oper.
 - 2. Conduct Concrete crack repair, structural repair by epoxy injection (ACI RAP-1), suitable for horizontal, vertical and overhead repairs, clean/grind surface(s) free of contaminants, 100 L.F.
 - 3. Concrete crack repair, structural repair by epoxy injection (ACI RAP-1), suitable for horizontal, vertical and overhead repairs, rout crack with v-notch crack chaser if needed, 100 L.F.

4. Concrete crack repair, structural repair by epoxy injection (ACI RAP-1), suitable for horizontal, vertical, and overhead repairs, cap crack at surface with epoxy gel (per side/face) 100 L.F.

5. Apply, asphalt cement or other material as determined by a licensed professional, to level roof, 10 gallons

{02-001} Biohazard Waste Storage:

Roof:

a. Supplement Elastomeric Roof Membrane, 588 SF, scope of work with additional work required to seal concrete roof cracks, and level roof per Puerto Rico Building Code requirements, so water does not pond and provoke leaks at the roof. Flashing was not included since the roof does not have a parapet. The following items have been included for cost estimating purposes:

1. Apply Pressure Washer 7 gpm, 3000 psi, Incl. Hourly Oper. Cost. For one day

2. Conduct Concrete crack repair, structural repair by epoxy injection (ACI RAP-1), suitable for horizontal, vertical and

overhead repairs, clean/grind surface(s) free of contaminants, 175 L.F.

3. Concrete crack repair, structural repair by epoxy injection (ACI RAP-1), suitable for horizontal, vertical and overhead repairs, rout crack with v-notch crack chaser if needed, 200 L.F Concrete crack repair, structural repair by epoxy injection (ACI RAP-1), suitable for horizontal, vertical and overhead repairs, cap crack at surface with epoxy gel (per side/face) 175 L.F

4. Apply mastic, asphalt cement, or any other material to level roof, as determined by a licensed professional, 20 gallons

Exterior:

a. Replace, 5 each of window, aluminum jalousie, with 5 each window that are compliant with Puerto Rico Building Code 2018

Requirements for new construction at no additional cost.

End of DI 151526 SOW

2. DI195891 Ponce Edificio 017 Edificio J



Facility Description: The Building J 017 building is a 4398 SF one story research, Administrative Board and Academic Senate Meeting building that was built in 1970 (49 years old.) Roof is a galvanized ribbed metal sheeting over a c-channel framing. The walls around the building are composed of ornamental CMU. The interior ceiling is an acoustical suspended ceiling. Interiors partitions for different offices are drywall. The floor is VCT over a concrete slab of concrete with concrete sealer. The structure is made of steel I-beams with wide flange columns spaced 8 FT along both sides of the longest dimension of the building. The facility was in operation at the time of the event. **Approx. Year Built:** 1970. **GPS Latitude/Longitude:** 17.99375, -66.60570

PA Scope of Work for Permanent Work

Roof Area

- A.1: Repair connections to mechanical platform (HVAC System)
- A.2: Remove and replace 160 SF of corrugated ribbed metal roofing

Building Exterior

- B.1: Repair metal sheeting mechanical connections along 1,520 FT
- B.2: Replace integrated aluminum fascia / gutter, 8 FT long

First Floor

- C.1: J Office – Remove and replace 105 SF of 2 FT x 4 FT suspended acoustical ceiling tile
- C.2: J2E Phylogenetics – Remove and replace 145 SF of 2 FT x 4 FT suspended acoustic ceiling tile
- C.3: J2F Virology – Remove and replace 220 SF of 2 FT x 4 FT suspended acoustic ceiling tile

C.4: J2G Storage – Remove and replace 64 SF of 2 FT x 4 FT suspended acoustic ceiling tile

C.5: J2I Bathroom – Remove and replace 1 exhaust fan

C.6: Main Area – Remove and replace 480 SF of 2 FT x 4 FT suspended acoustic ceiling tile

C.7: J3B Women's Bathroom - Remove and replace 112 SF of 2 FT x 4 FT suspended acoustic ceiling tile

C.8: J3B Women's Bathroom - Remove and replace 1 exhaust fan

C.9: J3C Men's Bathroom - Remove and replace 84 SF of 2 FT x 4 FT suspended acoustic ceiling tile

C.10: Conference Room - Remove and replace 1,152 SF of 2 FT x 4 FT suspended acoustic ceiling tile

DI195891 Hazard Mitigation Proposal (HMP) Scope of Work

Mitigation Design Wind Speed:

Based on the best available data, the mitigation measure will be implemented to protect the facility up to a Design Wind Speed of **163** mph at a minimum.

Eligible Damages to be Mitigated.

Roof Area:

HVAC System:

Replace, 1 each of mechanical platform, [\[SRK1\]](#) [\[RL2\]](#) with a mechanical platform that is able to resist wind load requirements of Puerto Rico Building Code 2018. The following items shall be considered for cost estimating purposes:

Selective demolition, torch cutting, steel, 1" thick plate, 8 L.F.

Girt/purlin, C/Z-shapes, 6" x 2-1/2" x 2-1/2", 16 ga., 3.0 lb/LF, shop fabricated, includes primer coat, clips and bolts, materials only, 50 L.F.

Girts/purlins/eave struts, 16 ga., 6"deep, installation only, 8 each

Roofing System:

The following items are being consider as a supplement [\[SRK3\]](#) to the PA scope of work:

- Selective demolition, thermal and moisture protection, gutters, metal or wood, edge hung, 220 L.F.
- Cutting, existing metal panels and steel structure, by hand, incl prep, torch cutting & grinding, excl staging, 220 L.F (to directly attach fascia to new metal structure at the edge of existing purlins on the east and west side)
- Fascia clip, galvanized angle, to fasten CF fascia to CF rafter tail, 18 ga x 2" x 2", for 220 L.F.
- Channel framing, structural steel, field fabricated, incl cutting & welding, 80 L.F. to improve fascia and gutter supports.

- Girts/purlins/eave struts, installation only, 16 each
- Aluminum gutters, stock units, plain, 5" box, .027" thick, 220 L.F. with increased brackets to provide improved wind performance.
- Sheet metal flashing, aluminum, flexible, mill finish, .050" thick, including up to 4 bends, 315 S.F.
- Fascia, aluminum, commercial type, 300 L.F.
- Pressure Washer 7 gpm, 3000 psi, Incl. Hourly Oper. Cost., for 1 day
- Roof coating, reflective, white, elastomeric, 50 SF/gallon for 4,398 S.F. = 99.64 Gal.
- Joint sealants, rigid joint sealants, tapes, sealant, PVC foam adhesive, 1/8" x 1/2", 5.5 C.L.F.
- Sheet metal screw, stainless steel, with aluminum or neoprene washers, plain, #14 x 2", 9.45 Box of 10.

End of DI 195901 SOW

3. DI195900 Ponce Edificio 026 Edificio J Anexo

PHOTO NOT AVAILABLE

Facility Description: The "Edificio J Anexo" building is a 900 SF, that was constructed in 2000. This structure is a metal building with a mezzanine level. The building is framed with steel members. The roof and walls are clad with metal panels. Interior finishes generally consist of suspended acoustic tile ceilings, painted drywall ceilings, painted drywall walls, and vinyl and ceramic floor tiles.
Approx. Year Built: 2000. **GPS Latitude/Longitude:** 17.99388, -66.60570.

PA Scope of Work for Permanent Work

Building Exterior

A.1: Replace 72 LF of 26-gauge corner weatherproofing trim

A.2: Repair and replace 704 SF of ribbed metal roof joints

Building Interior

B.1: Second Floor Mezzanine A – remove and replace 16 SF of 5/8 IN thick drywall

B.2: First Floor Area A – remove and replace 200 SF of 2 FT x 2 FT suspended acoustic ceiling tile.

Hazard Mitigation Proposal (HMP) Scope of Work

Mitigation Design Wind Speed:

Based on the best available data, the mitigation measure will be implemented to protect the facility up to a Design Wind Speed of **163** mph at a minimum.

In order to prevent future similar damages, the applicant is reducing the metal overhang of the structure, with the creation of a box like geometry, that would avoid future similar damages due to wind uplift and installation of secondary membrane consisting of a plywood underlayment with asphalt felt. The following is considered to accomplish the scope of work:

Roofing System:

Replace, 704 SF of ribbed metal roof joints, with the following:

Metal roof decking, steel, open type B wide rib, galvanized, 50 to 500 Sq, 1-1/2" D, 20-gauge 600 SF (due to reduction of overhang)

Supplement scope of work with the following:

- a. Create a secondary membrane by installing a plywood underlayment with felt under the metal deck:
 1. Underlayment, plywood, underlayment grade, 5/8" thick, 704 S.F.
 2. Felt, asphalt, #30, 2 square per roll, no mopping, 6 S.q.
2. Supplement scope of work to strengthen the roof profile by the creation of a new soffit and fascia compliant with Puerto Rico Building Code 2018 requirements of new construction. The following items were considered for cost estimating purposes:
 - a. Supplement metal deck with Underlayment, plywood, underlayment grade, 5/8" thick min., 600 S.F.
 - b. Support underlayment with Wood framing, miscellaneous, nailers, treated, wood construction, 2" x 4", 110 L.F.
 - c. Apply Felt, asphalt, #30, 2 square per roll, over plywood underlayment, 6 S.q.
 - d. Cut steel to metal siding and "I" beam, to eliminate overhang. 110 L.F.
 - e. Fascia, aluminum, 110 L.F.
 - f. Furnish and Install Fascia clip, galvanized angle, to fasten CF fascia to CF rafter tail, 18 ga x 2" x 2" for 110 L.F.
 - g. Install Sheet metal flashing, aluminum, flexible, mill finish, .050" thick, including up to 4 bends, for 110 SF
 - h. Install Sheet metal screw, stainless steel, with aluminum or neoprene washers, plain, #14 x 2 1/2", per recommendations from FEMA Installation of Corrugated Metal Roof Systems, Hurricanes Irma and Maria, Recovery Advisory 3 May 2018 include:
 1. Eave Fasteners: #14 x 2 1/2 in. Stainless Steel Screws with Gasketed Washers at 5 1/4 in. o.c. (Every Other Corrugation) Along Each Row. Stagger rows

2. Rake Flashing Fasteners: #14 x 2 ½ in. Stainless Steel Screws with Gasketed Washers at 6 in. o.c. Along Each Row. Stagger rows
3. Install roof drainage system as required per latest codes and standards. [\[SRK3\]](#) The following items have been considered to address this issue:
 - a. Aluminum gutters, stock units, plain, 5" box, .027" thick. 25 LF
 - b. Aluminum downspouts, round, corrugated, 4" diameter, .025" thick 36 L.F.

End of DI 195900 SOW

4. **DI 195904 UPR Edificio 033 Laboratorio de Investigación de Biotecnología Agrícola**



Facility Description: The Edificio 033 Laboratorio de Investigación de Biotecnología Agrícola is a 2,800 SF, 1 story building that was constructed in 2011. The building is reinforced concrete columns and beams surrounding a steel structure which functions as a green house. The roof consists of a rigid steel square tubular metal columns (4 IN x 4 IN) bolted to concrete floor and steel square tubular metal bars (2 IN x 2 IN) with cyclone fencing. This building was built with (4 IN x 4 IN and 2 IN x 2 IN) steel square tubular metal roof panels with plastic sheeting on top. The top covering extended out to the perimeter cement wall. The building has two entrances with (1 IN x 1 IN) square tubular metal bars. The interior includes (4 IN x 4 IN) steel square tubular metal columns and gravel floor and concrete floor slab outside the building.
Approx. Year Built: 2011. **GPS Latitude/Longitude:** 17.99129, -66.60699.

PA Scope of Work for Permanent Work
Building Exterior

- A.1: Replace 2,180 SF of plastic wall sheeting
- A.2: Scrape, clean, prime and paint 1,170 SF of metal surfaces
- A.3: Roofing System - replace 2,544 SF of plastic roof sheeting

Building Interior

- B.1: Replace 12 - 1 FT x 4 FT fluorescent, surface mounted lights

End of DI 195904 SOW

PW3342 – MUPR050 Ponce Group 02

5. DI151521 Ponce Edificio 003 Edificio Académico Ruth Fortuño



Facility Description: The Académico Ruth Fortuño building is 141,377 SF, 2 story academic office and classroom facility constructed in 1980 (39 years old). The building is a site cast reinforced concrete with a built-up roofing membrane 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 is an elevator that was not functioning at the time of the inspection. The facility was in operation at the time of the event. **GPS: 17.99285, -66.60694**

PA Scope of Work for Permanent Work

General:

- a. Prepare and Paint, 4,800 SF of concrete column painted surfaces.
- b. Remove and Replace, 10 each of windows, aluminum jalousie 3 FT x 7 FT.
- c. Clean, 7,212 SF of wall, exposed concrete finish (72,120 / 10).

- d. Remove and Replace, fence, chain link industrial, galvanized steel, 3 strands barb wire with extension arms, 2 IN posts at 10 FT OC, 9 GA wire, 50 FT long x 5 FT high.
- e. Remove and Replace, fence, gate, chain link industrial, galvanized steel, 3 strands barb wire with extension arms, 2 IN posts at 10 FT OC, 9 GA wire, 4 FT wide x 5 FT high.
- f. Prepare and Paint, 348 SF of floor, sealed concrete, surfacing.
- g. Remove and Replace, 1 each of HVAC, 5 Ton Condensing unit.

Roofing System:

- a. Remove and Replace, 100,000 SF of asphalt membrane with an elastomeric coating finish.
- b. Remove and Replace, 1 each of AC, 2 FT x 4 FT platform.
- c. Remove and Replace, 1 each of AC, 30 AMP disconnect switch.
- d. Remove and Replace, 1 each of AC, 20 AMP exhaust fan disconnect switch.
- e. Remove and Replace, 1 each of vent, exhaust 3 FT X 2 FT.
- f. Remove and Replace, 1 each of Exhaust Fan, 1/3 hp electric motor.

Second Floor

Room 206 (23 FT x 24 FT):

- a. Remove and Replace, 32 SF of ceiling, 2 FT x 4 FT acoustic, suspended.

Director's Office (10 FT x 12 FT):

- b. Remove and Replace, 120 SF of 120 SF of ceiling, 2 FT x 4 FT acoustic, suspended.

Offices (13 FT x 24 FT):

- a. Remove and Replace, 312 SF of ceiling, 2 FT x 4 FT acoustic, suspended.
- b. Remove and Replace, 2 each of window, acrylic cover 3 FT x 7 FT.

Professor Office 5 (8 FT x 12 FT):

- a. Remove and Replace, 4 each of window, acrylic cover, 3 FT x 7 FT.

Room 221 Computer Room:

- a. Remove and Replace, 16 SF of ceiling, 2 FT x 4 FT acoustic, suspended.

Room 225 Auditorium (57 FT x 92 FT):

- a. Remove and Replace, 36 SF of ceiling, 2 FT x 4 FT acoustic, suspended.

Room 226 (23 FT x 48 FT):

- b. Remove and Replace, 6 each of window, acrylic cover, 3 FT x 7 FT.

Room 237 (23 FT x 24 FT):

- c. Remove and Replace, 32 SF of ceiling, 2 FT x 4 FT acoustic, suspended.

Room 246 (23 FT x 24 FT):

- a. Remove and Replace, 88 SF of ceiling, 2 FT x 4 FT acoustic, suspended.

Room 247 (23 FT x 24 FT):

- a. Remove and Replace, 40 SF of ceiling, 2 FT x 4 FT acoustic, suspended.

Corridor from Room 249 to 203 (11 FT x 95 FT):

- a. Remove and Replace, 80 SF of ceiling, 5/8 in. drywall with smooth finish and paint.

Corridor from Room 204 to 230 (11 FT x 275 FT):

- a. Remove and Replace, 40 SF of ceiling, 5/8 in. drywall with smooth finish and paint.

Corridor from Room 237 to 247 (11 FT x 275 FT):

- a. Remove and Replace, 300 SF of ceiling, 5/8 in. drywall with smooth finish and paint.

Corridor Between Room 243 and 240 (11 FT x 48 FT):

- a. Remove and Replace, 300 SF of ceiling, 5/8 in. drywall with smooth finish and paint.

Corridor from Room 206 to 216 (11 FT x 300 FT):

- a. Remove and Replace, 300 SF of ceiling, 5/8 in. drywall with smooth finish and paint.

Corridor between Room 210 and 213 (11 FT x 48 FT):

- a. Remove and Replace, 220 SF of ceiling, 5/8 in. drywall with smooth finish and paint.

Corridor from Room 218 to 220 (11 FT x 71 FT):

- a. Remove and Replace, 200 SF of ceiling, 5/8 in. drywall with smooth finish and paint.

First Floor

Room 109 Lab (20 FT x 48 FT):

- a. Remove and Replace, 96 SF of ceiling, 2 FT x 4 FT acoustic, suspended.

Room 112 Reception (11 FT x 15 FT):

- a. Remove and Replace, 48 SF of ceiling, 2 FT x 4 FT acoustic, suspended.

Room 115 (23 FT x 24 FT):

- a. Remove and Replace, 48 SF of ceiling, 2 FT x 4 FT acoustic, suspended.

Room 117 (23 FT x 24 FT):

- a. Remove and Replace, 24 SF of ceiling, 2 FT x 4 FT acoustic, suspended.

Men Restroom (11x18):

- a. Remove and Replace, 100 SF of ceiling, 5/8 in. drywall with smooth finish and paint.

Storage (5 FT x 8 FT):

- a. Remove and Replace, 40 SF of ceiling, 5/8 in. drywall with smooth finish and paint.

Room 119 Lab (24 FT x 40 FT):

- a. Remove and Replace, 960 SF of ceiling, 2 FT x 4 FT acoustic, suspended.

Office (8 FT x 12 FT):

- a. Remove and Replace, 24 SF of ceiling, 2 FT x 4 FT acoustic, suspended.

Employee Women Restroom (5x8):

- a. Remove and Replace, 40 SF of ceiling, 5/8 in. drywall with smooth finish and paint.

Room 122 (23 FT x 24 FT):

- a. Remove and Replace, 160 SF of ceiling, 2 FT x 4 FT acoustic, suspended.

Room 123 Lab (23 FT x 24 FT):

- a. Remove and Replace, 40 SF of ceiling, 2 FT x 4 FT acoustic, suspended.

Room 127-C (28 FT x 35 FT):

- a. Remove and Replace, 980 SF of ceiling, 2 FT x 4 FT acoustic, suspended.
- b. Remove and Replace, 5 each of recessed lighting fixture, 2x4 fluorescent, 4 tube.

Room 127-B (28 FT x 35 FT):

- a. Remove and Replace, 980 SF of recessed ceiling, 2 FT x 4 FT acoustic, suspended.
- b. Remove and Replace, 10 each of recessed lighting fixture, 2x4 fluorescent, 4 tube.

Room 127-D (28 FT x 29 FT):

- a. Remove and Replace, 3 each of recessed lighting fixture, 2x4 fluorescent, 4 tube.

Room 127-F (8 FT x 25 FT):

- a. Remove and Replace, 200 SF of ceiling, 2 FT x 4 FT acoustic, suspended.

Corridor (Filing Area) (6 FT x 14 FT):

- a. Remove and Replace, 84 SF of recessed ceiling, 2 FT x 4 FT acoustic, suspended.
- b.

Women Bathroom (5 FT x 9 FT):

- a. Remove and Replace, 16 SF of ceiling, 2 FT x 4 FT acoustic, suspended.

Offices (10 FT x 25 FT):

- a. Remove and Replace, 250 SF of ceiling, 2 FT x 4 FT acoustic, suspended.

Storage (11 FT x 17 FT):

- a. Remove and Replace, 187 SF of recessed ceiling, 2 FT x 4 FT acoustic, suspended.

Room (11 FT x 24 FT):

- c. Remove and Replace, 264 SF of wall, 5/8 in. drywall with smooth finish and paint.

Corridor from Room 103 to 143 (11 FT x 99 FT):

- a. Remove and Replace, 40 SF of ceiling, 5/8 IN drywall with smooth finish and paint.

Corridor from Room 142 to 135 (11 FT x 275 FT):

- a. Remove and Replace, 100 SF of ceiling, 5/8 IN drywall with smooth finish and paint.

Corridor from Room 131 to 133 (11 FT x 142 FT):

- a. Remove and Replace, 100 SF of ceiling, 5/8 IN drywall with smooth finish and paint.

Corridor from Room 130 to 144-B (11 FT x 275 FT):

- a. Remove and Replace, 100 SF of ceiling, 5/8 IN drywall with smooth finish and paint.

Corridor from Room 105 to 117 (11 FT x 300 FT):

- a. Remove and Replace, 100 SF of ceiling, 5/8 IN drywall with smooth finish and paint.
- b. Remove and Replace, 7 each of recessed lighting fixture, 1 FT x 4 FT fluorescent, 2 tube.

Corridor from Room 118 to 120 (11 FT x 71 FT):

- a. Remove and Replace, 100 SF of ceiling, 5/8 IN drywall with smooth finish and paint.
- b. Remove and Replace, 1 each of fire alarm system, pull station.

Corridor from Room 122 to 145 (11 FT x 300 FT):

- a. Remove and Replace, 100 SF of ceiling, 5/8 IN drywall with smooth finish and paint.

Corridor from Room 108 to 112 (11 FT x 48 FT):

- a. Remove and Replace, 200 SF of ceiling, 5/8 IN drywall with smooth finish and paint.

Hazard Mitigation Proposal (HMP) Scope of Work

DI # 151521; UPR Ponce Edificio 003 Edificio Académico Ruth Fortuño

A. Roof Mitigation

To avoid future damage of built-up roof membrane at concrete roof

- A.1 Install 100,00 SF of SBS 4-ply waterproofing system
- A.2 Install 100,100 SF of insulation or light weight cementitious fill sloped to facilitate drainage
- A.3 Install 1,880 LF of termination bar on roof edges and cap flashing to prevent uplift of the roof membrane

B. Window Mitigation

- B.1 Remove and replace 2,142 SF of jalousie windows using impact resistant aluminum jalousie window
- B.2 Replace 210 SF of jalousie windows using impact resistant aluminum jalousie window
- B.3 Install 112 EA of weatherstripping

C. Door Mitigation

- C.1 Remove and replace 297 EA doors, using hollow metal, commercial, steel, flush, full panel, hollow core, 1-3/4" thick, 18 gauge, 3' x 7'.

D. Load Path Mitigation:

- D.1 Install on 4 EA – Roof top Exhaust Fan anchoring system

E. A/C Mitigation

- E.1 Install on 2 EA – A/C Unit Anchoring System 10' x 10'.

BBA Scope of Work

System: Electrical

PA SOW Related Damage Component:

First Floor

Room 127-C (28 FT x 35 FT): Building Interior, 5 each of recessed lighting fixture, 2x4 fluorescent, 4 tube.

Room 127-B (28 FT x 35 FT): Building Interior, 10 each of recessed lighting fixture, 2x4 fluorescent, 4 tube.

Room 127-D (28 FT x 29 FT): Building Interior, 3 each of recessed lighting fixture, 2x4 fluorescent, 4 tube.

Remove and replace damaged number as needed above, per classroom lighting fixtures.

BBA Work required:

- Install eleven (11) ceiling mounted occupancy sensors one (1) per 300 SF of room area - damaged lighting is functional dependent on sensor to meet code requirement. Due to the room sizes, a 1/ea. occupancy sensor will be necessary to operate the lighting fixture system. The sensor shall be positioned in the ceiling, room area centered to allow for the best functionality.

System: HVAC

1. Disaster Related Damage Component:

Building Exterior, 1 each of HVAC, 5 Ton Condensing unit.

HVAC BBA Work required.

Remove existing units and install 60kBtu A/C unit, in place of all items described in disaster related damages components of HVAC system described above for capacity to meet air exchange standard.

BBA Details - Industry Standard: NEC Article 440.62

- Remove and replace air conditioner system unit noted above.

Electric Power BBA Work required:

CU – route new branch circuit from panelboard w/ 3#8 THWN copper wire in ¾" 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.

End of DI SOW

PW5093 - MUPR048 Ponce Group 03

6. 151519 Ponce Edificio 001 Biblioteca Adelina Coppin Alvarado



Facility Description: The Adelina Coppin Alvarado Library is a site cast, reinforced concrete building with a reinforced concrete roof with waterproof membrane. 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. **Approx. Year Built:** 1980. **GPS Latitude/Longitude:** 17.99356, -66.60634

PA Scope of Work for Permanent Work

Façade:

A) Remove and replace 213.5 SF of Fascia, North/East corner of roof (30.5 IN wide x 7 FT high).

B) Remove and replace 1 each of Soffit, North/East corner of roof (50 FT long x 4 FT wide).

C) Remove and replace 64 SF of 1 each of Window, tempered glass, first floor, located at the area of study number 7 (8 FT wide x 8 FT high).

Paint:

D) Prepare and paint 160 SF of Stair #3 roof interior drywall ceiling painted surfaces (20 FT long x 8 FT wide).

Roof:

E) Remove 1 each of Library Sign UPRP, located on North side of roof.

Second Floor,

Multi-Purpose Room 15:

H) Remove and replace 8 SF of ceiling, 2 FT x 4FT acoustic tile, suspended (4 FT long x 2 FT wide).

Hazard Mitigation Proposal (HMP) Scope of Work

DI # 151519 Edificio 001 Biblioteca Adelina Coppin Alvarado

1. Apply a complete waterproof, protective paint coating on 35.85 S.F., 213.5 S.F., 160 S.F. of wind/water-damaged exterior concrete wall to prevent scaling, staining, peeling and mold growth. Include two coats of waterproof sealer, one coat of primer and two coats of latex paint.

2. In order to prevent or significantly reduce future damages from similar events, add 200 SF of concrete admixture to the mortar mix to enhance the performance and bonding of the concrete mix for plastering.

3. Apply 64 S.F. of safety film over glazing to help prevent cracking and breakage by wind or debris impact and subsequent water infiltration.

4. Reinforce sign anchorage with 8 additional chemically anchored to concrete.

End of DI SOW

7. **151520 Ponce Edificio 002 Edificio de Estudiantes**



Facility Description: The Edificio de Estudiantes is a site cast, reinforced concrete building with a reinforced concrete roof with a sprayed polyurethane foam (SPF) roof system including a sprayed-on silicone coating, 4 foot concrete fascia panel, and a concreted courtyard. Concrete walkways, and asphalt paved parking areas lead to the building. The interior includes reinforced concrete bearing walls with a reinforced concrete floor slab on grade. It was constructed in 1980 (39 years old). Interior finishes generally consist of suspended acoustic ceiling, painted concrete or drywall and ceramic as well as VCT floor tiles.
Approx. Year Built: 1980. **GPS Latitude/Longitude:** 17.99350, -66.60673.

PA Scope of Work for Permanent Work

Edificio de Estudiantes

Roofing System

A) Remove and replace 160 SF of SPF, 3 POUNDS/CF, 2 IN thick Sprayed polyurethane foam with sprayed on silicone coating.

B) Remove and replace 1 each of Package unit Air Conditioning, 10 ton.

C) Remove and replace 3 each of Foaming insulation Solar water heaters tank, insulation.

D) Repair 360 SF of Wall, cement plaster.

General

E) Prepare and paint 1,952 SF of Wall, painted surfaces.

Second Floor

- North Wing Hall - BBA Work Item G

F) Remove and replace 1 each of 1 X 4 weatherproof, surface mounted Lighting Fixture, fluorescent light, 2 lamps.

G) Install 1 new ceiling mounted occupancy sensor system.

- North Wing Bathroom 204B

H) Remove and replace 25 SF of 2 X 4 suspended Ceiling acoustic tile.

- North Wing Room 205B

I) Remove and replace 156 SF of 2 X 4 suspended Ceiling acoustic tile.

- North Wing Conference Room 2 - BBA Work Item K

J) Remove and replace 3 each of 8 IN DIA, 12 IN L Surface mounted down light, 100 W.

K) Install 1 new ceiling mounted occupancy sensor system

- North Wing Laboratory Room A - BBA Work Item P

L) Remove and replace 814 SF of 2 X 4 suspended Ceiling acoustic tile.

M) Remove and replace 2 each of 2 x 4 recessed Lighting Fixture, fluorescent light, 4 lamps.

N) Remove and replace 814 SF of commercial grade carpet.

O) Repair base, 4 IN VINYL (84 FT long).

P) Install 1 new ceiling mounted occupancy sensor system

- North Wing Laboratory Room A1

Q) Remove and replace 320 SF of commercial grade carpet.

- North Wing Office Room B

R) Repair base, 4 IN VINYL (50 FT long).

S) Remove and replace 144 SF of commercial grade carpet.

- North Wing Office Room C

T) Repair base, 4 IN VINYL (44 FT long).

U) Remove and replace 117 SF of commercial grade carpet.

First Floor

- West Wing Room 106

V) Remove and replace 80 SF of 2 X 4 suspended Ceiling acoustic tile.

West Wing Room 107

W) Remove and replace 160 SF of 2 X 4 suspended Ceiling acoustic tile.

- West Wing Room 107 A - BBA Work Item AA

X) Remove and replace 880 SF of 2 X 4 suspended Ceiling acoustic tile.

Y) Remove and replace 2 each of 1 X 4 recessed Lighting Fixture, fluorescent, 2 lamps.

Z) Repair base, 4 IN VINYL (144 FT long).

AA) Install 1 new ceiling mounted occupancy sensor system.

- West Wing Room 107 B - BBA Work Item EE

BB) Remove and replace 80 SF of 2 X 2 suspended Ceiling acoustic tile.

CC) Remove and replace 2 each of 2 X 4 recessed Lighting Fixture, fluorescent, 4 lamps.

DD) Repair base, 4 IN VINYL (46 FT long).

EE) Install 1 new ceiling mounted occupancy sensor system.

- East Wing Cafeteria Room 110

FF) Remove and replace 112 SF of 2 X 4 suspended Ceiling acoustic tile.

- Office

GG) Repair 32 SF of 5/8 IN Wall, gypsum board.

HH) Repair 4 SF of 5/8 IN Ceiling fascia, gypsum board.

Hazard Mitigation Proposal (HMP) Scope of Work

DI # 151520 Edificio 002 Edificio de Estudiantes

This is a two-story, concrete building with metal deck roof system, 12,136 SF. The following mitigation measures are proposed:

1. Anchor 10-ton roof mounted A/C unit using non-corrosive metal straps anchored to concrete slab to prevent displacement by wind.
2. Add 360 SF of concrete admixture to the mortar mix to enhance the performance and bonding of the concrete mix for plastering.
3. 1,952 SF of Wall, painted surfaces, Damaged by water infiltration.
4. Replace 368 L.F of 4 IN VINYL Base with 4" ceramic tile on thin set
5. Replace 613 SF of damaged acoustic ceiling tiles with waterproof and sag-resistant ceiling tiles.
6. Add a concrete admixture to the plaster mix such as Crossco Acryl-B-60 A or similar to enhance the performance and bonding of the concrete mix for plastering, 360 SF.
7. Apply one coat of waterproof sealer on 360 S.F., 1297.95 S.F. of wind/water-damaged exterior concrete wall to prevent scaling, staining, peeling and mold growth.
8. Replace 8 ea. (80 S.F) of aluminum jalousie windows to prevent water intrusion and damage to interior paint and carpet.
9. Install 1 Ea. Facility Power Surge Protection Device to protect equipment of a facility from failure caused by power surges resulting from heavy rain and high velocity wind event.

BBA Scope of Work

DI 151520 – UPR Ponce Edificio 002 Edificio de Estudiantes

BBA Work required: • Install five (5) ceiling mounted occupancy sensors, one (1) for each room - damaged lighting is functional dependent on sensor to meet code requirement. Due to the room sizes, 1 ea. occupancy sensor will be necessary to operate lighting fixture system. The sensor shall be positioned in the ceiling, room area centered to allow for the 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.

END OF DI SOW

8. **DI #151522 UPR Ponce Edificio 004 Anfiteatro**



Facility Description: The Anfiteatro is a 11,048 SF, 2 story performing arts building that was constructed in 1970 (49 years old). The building is a rectangular building is reinforced concrete with concrete and glass walls with a metal accent around the perimeter. The roof is a metal deck and steel joist with a three-foot roof overhang around the building. The south side has an additional five-foot roof overhang, and the main entrance has five-foot overhang. The building fascia is a flat seam metal mansard style with drywall soffit at the upper roof building perimeter and plaster fascia with plaster soffit at cantilevered lower roof over the Auditorio entry and walkway to offices and storage rooms. The roofing system is 2-ply modified bitumen with granular surface over rigid insulation. The mechanical penthouse is a recessed well which is below the roof level with 8 FT high perimeter walls to screen the RTU and ductwork. 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 and ceramic floor tile. **Approx. Year Built:** 1970. **GPS Latitude/Longitude:** 17.99413, -66.60653
PA Scope of Work for Permanent Work

General

- A) Repair in-kind 10 SF of soffit, plaster, cracked.
- B) Remove and replace in-kind 3 each of light, 1 FT x 4 FT fluorescent, surface mount.
- C) Remove and replace in-kind 3 each of light, 1 Ft x 1 FT fluorescent, recessed.

D) Remove and replace in-kind 2 each of light, explosion proof incandescent.

E) Remove and replace in-kind 2 each of glazing (8 FT long x 6 FT wide x 0.25 IN thick).

Roofing System

F) Remove and replace in-kind 3,480 SF of roof, modified bitumen with granular surface, 2-ply.

G) Repair in-kind 3 each of drain cover, metal, slotted dome.

Building Interior General

H) Prepare and paint in-kind 176 SF of building interior painted surfaces.

Second Floor Control Room (8 FT x 19 FT)

I) Remove and replace in-kind 152 SF of ceiling, 2 FT x 2 FT acoustic tile, suspended.

First Floor Stage (30 FT x 43 FT)

J) Repair in-kind wall, drywall, crack (40 LF long).

First Floor Bathroom (4 FT x 6 FT)

K) Prepare and paint in-kind 24 SF of ceiling, drywall.

Hazard Mitigation Proposal (HMP) Scope of Work

DI # 151522 Edificio 004 Anfiteatro

This is a two-story, concrete building with metal deck roof system, 11,046 SF. To achieve a comprehensive mitigation, consider the entire roof membrane as a system and replace it in its entirety., the following mitigation measures are proposed:

1. Add a concrete admixture to the plaster mix such as Crossco Acryl-B-60 A or similar to enhance the performance and bonding of the concrete mix for plastering, 10 SF.
2. Apply 96 S.F. of safety film over glazing to help prevent cracking and breakage by wind or debris impact and subsequent water infiltration.
3. Install a complete and reinforced SBS waterproofing system on 11,046 S.F. of concrete/metal roof to prevent wind and water damage to the system itself

and subsequent water intrusion that could cause interior damages.

- a. Install 250 L.F. of cap flashing over parapet wall/along roof perimeter edge to prevent detachment of membrane and water intrusion through stucco cracks.
 - b. Install 250 L.F. of termination bar along roof perimeter to prevent detachment and damages to waterproofing membrane and subsequent water intrusion.
 - c. Remove and replace 8 Ea. roof drains to improve drainage capacity and accomplish a comprehensive mitigation.
4. Replace 152 SF of damaged acoustic ceiling tiles with waterproof and sag-resistant ceiling tiles to prevent water damage and mold growth from water intrusion.

END OF DI SOW

9. **DI #151524 UPR Ponce Edificio 006 Edificio de Usos Múltiples Victor M. Madera**



Description: The building is partially closed, rectangular shape, site cast reinforced concrete building with a flat steel roof system of an approximate 18,500 SF (plane projection). The roof system is a steel roof that includes waterproofing, bituminous membranes, concrete, metal deck panels, steel joist, steel truss girders and a façade of metal deck panels. The roof system is supported by short steel column system over four tall circular reinforced concrete columns. The interior includes a multiple use court (basketball or volleyball), two seating areas and additional areas for restrooms, office, lockers, storage, janitor, classroom, gymnasium, museum, and athletic therapy. Interior finishes generally consist of suspended acoustic ceiling, painted concrete, or drywall. While the

floor finishes consist of polished concrete, painted concrete, vinyl and ceramic tiles. **Approx. Year Built:** 1996. **GPS Latitude/Longitude:** 17.99503, -66.60653.

PA Scope of Work for Permanent Work

General

A) Remove and replace 9,072 SF of 7/8 inch bird barrier netting.

B) Remove and replace 1 each of mushroom type Wall mounted direct drive exhaust fan. (Removed by applicant see Scope note 6)

Terapia Fisica

C) Remove and replace 40 SF of 2X4 Ceiling acoustic tile, suspended.

Reception

D) Remove and replace 80 SF of 2X4 Ceiling acoustic tile, suspended.

Director's Office

E) Remove and replace 24 SF of 2X4 Ceiling acoustic tile, suspended.

Classroom

F) Remove and replace 96 SF of 2X4 Ceiling acoustic tile, suspended.

G) Prepare and paint 250 SF of Concrete wall, paint.

Basketball Court

H) Remove and replace 5,700 SF of Revolution™ ShockTower interlocking suspended flooring modular tile with shock absorbing underlayment system.

Decanato de Estudiantes

I) Remove and replace in-kind 3 each of Butterfly Model T8293 Table Tennis table.

Hazard Mitigation Proposal (HMP) Scope of Work: Gimnasio:

This is partially open, two-story concrete building with steel roof system, 18,500 SF. To prevent or reduce damages in future similar events, the following mitigation measures are proposed:

1. Double the number of clips to keep bird barrier netting in place from 1,000 to 2,000 ea. to stabilize and prevent displacement and ripping.

2. Install 5,700 SF of VCT/vinyl flooring and/or wall base using waterproof adhesive to prevent water damages
3. Install 1 Ea. Facility Power Surge Protection Device to protect equipment of a facility from failure caused by power surges resulting from heavy rain and high velocity wind event.

END OF DI SOW

PW 6395 – MUPR049 Ponce Group 04

10. **DI # 151525 UPR Ponce Edificio 007 Edificio de la Guardia de Seguridad**



Facility Description: The Edificio de la Guardia de Seguridad a security office building is a 1,164 SF, 1_story building that was constructed 1997 (22 years old). The building is a site cast, CMU and cement panel building. The roof system is galvanized ribbed metal sheeting. The front and side of the building has a lean-to aluminum structure with a galvanized ribbed metal sheeting. The building measures 1,238 SF and the_lean-to structures measure 450 SF. The interior consists of CMU and gypsum board partitions. It has two bathrooms and one locker room, break room, and several offices. **Approx. Year Built: 1997. GPS Latitude/Longitude: 17.99377, -66.60535.**

PA Scope of Work for Permanent Work

General:

- A. Prepare and paint, 2,000 SF of building exterior painted surfaces, (in-kind).
- B. Sealing cracks, wall, ¼ IN thick plaster, exterior sheathing, metal stud frame, interior drywall, through wall cracks, 20 LF long, (in-kind).
- C. Remove and replace, in-kind, 450 SF of galvanized ribbed metal sheeting (lean to), (in-kind).

D. Remove and replace, in-kind, 3 each of aluminum gutters, 4 IN x 4 IN, 30 FT long, (in-kind).

E. Remove and replace, in-kind, light gauge steel, beam c-channel (lean to), 4 IN x 4 IN, 30 FT long, (in-kind).

F. Remove and replace, in-kind, 2 each of light gauge steel, columns (lean to), 4 IN x 2 IN, 10 FT high, (in-kind).

Roofing System:

A. Remove and replace, in-kind, 1,238 SF of galvanized ribbed metal sheeting including framing, (in-kind).

General:

A. Remove and replace, 10 each of aluminum downspouts, 3 IN x 2 IN, 8 FT high, (in-kind).

B. Prepare and paint, 400 SF of building interior painted surfaces, (in-kind).

First Floor Break Room (10 FT x 21 FT):

A. Remove and replace, in-kind, 40 SF of ceiling, 2 FT x 2 FT acoustic tile, (in-kind).

First Floor Director's Office (10 FT x 13 FT):

A. Remove and replace, in-kind, 130 SF of ceiling, 2 FT x 2 FT acoustic tile, (in-kind).

Hazard Mitigation Proposal (HMP) Scope of Work:

1. Waterproof sealer for exterior concrete masonry units: 2,000 SF

a. To reduce moisture through masonry walls, preventing similar damages to the exterior paint and interior water damages.

2. Gutter clips: 3 X 30 LF = 90 LF

a. To prevent gutters from being blown off by high winds, additional clips will be added to anchor better to the building.

3. Exterior Metal Panel Roof Fasteners: 1,688 SF

a. Use additional fasteners to improve upon roofing fastener pattern.

4. Downspout straps: 80 LF (10 X 8 LF)

a. To prevent downspouts from being blown off by high winds, additional straps will be added to better anchor them to the building.

END OF SOW

11. **DI # 151528 UPR Ponce Edificio 010 Edificio C Salones de Clase Pre-Escolar**



Facility Description: The C Salones de Clase Pre-Escolar building is a 6,230 SF, one story pre-school building that was constructed in 1970 (49 years old). This building meets the National Register of Historic Places age criteria for evaluation. The building is a masonry and steel concrete building with 4 FT overhangs. The roof is galvanized corrugated metal panels with steel roofing membrane. The interior includes reinforced CMU wall partitions. Interior finishes generally consist of suspended acoustic ceiling, plastered and painted walls and vinyl composition tile flooring. **Approx. Year Built:** 1970. **GPS Latitude/Longitude:** 17.99445, -66.60677.

PA Scope of Work for Permanent Work:

Roofing System:

A. Remove and replace, in-kind, roof flashing, 26-gauge, 12 IN, 45 LF long, (in-kind).

B. Remove and replace, in-kind, roof, ridge cap, steel, 182 LF long, (in-kind).

C - 1 (24 FT x 35 FT):

A. Remove and replace, in-kind, 16 SF of ceiling, 2 FT x 4 FT acoustic tile, suspended, (in-kind).

B. Remove and replace, in-kind, 20 SF of floor, vinyl composition tile (VCT), 12 IN x 12 IN, (in-kind).

C. Remove and replace, in-kind, base, 4 IN vinyl, 10 LF long, (in-kind).

C - 2 (24 FT x 35 FT):

A. Remove and replace, in-kind, 10 SF of ceiling, 2 FT x 4 FT acoustic tile, suspended, (in-kind).

C - 3 (24 FT x 35 FT):

A. Remove and replace, in-kind, 10 SF of ceiling, 2 FT x 4 FT acoustic tile, (in-kind).

Cuarto De Aislamiento (8 FT x 10 FT):

- A. Remove and replace, in-kind, 3 each of ceiling, 2 FT x 4 FT acoustic tile, suspended, (in-kind).

Hazard Mitigation Proposal (HMP) Scope of Work:

- a. Waterproof Underlayment for Vinyl Floors, 1/8" thick 20 SF.

END OF DI SOW

12. DI # 151529 UPR Ponce Edificio 011 Edificio D Salones de Clase



Facility Description:

The "**Edificio D Salones de Clase**" building is a 2,748 SF, that was constructed in 1970 (49 years old). This classroom building is a rectangular shaped, 24 FT X 120 FT of reinforced designer CMU and metal support. The roof is a gable roof with metal panels. There is a 3-foot roof overhang. There is a gutter system tied in to the roof. 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. **Approx. Year Built: 1970. GPS Latitude/Longitude: 17.99467, -66.60632.**

PA Scope of Work for Permanent Work:

Ceiling:

- A. Remove and replace, in-kind, 150 SF of ceiling, 2 FT x 4 FT acoustic tile, (in-kind).

END OF DI SOW

13. **DI # 151530 UPR Ponce Edificio 012 Edificio E Salones de Clase, Oficinas**



Facility Description: The "Edificio E Salones de Clase, Oficinas" is a 2,932 SF, that was constructed in 1970 (49 years old). This classroom / office building is a one story rectangular shaped building with galvanized metal channels roof with steel deck. The interior includes reinforced concrete bearing walls with a reinforced concrete floor on grade. The interior generally consists of suspended acoustic ceiling, gypsum board walls and vinyl floor tiles. **Approx. Year Built: 1970. GPS Latitude/Longitude: 17.99454, -66.60620.**

PA Scope of Work for Permanent Work:

General:

- A. Remove and replace, in-kind, 3 each of door & frame, SC wood frame, 3 FT x 7 FT, (in-kind).
 - B. Remove and replace, in-kind, 3 each of Wood door, 3 FT x 7 FT, (in-kind).
- Roofing System:
- A. Remove and replace, in-kind, roof gutter, 26-gauge, 4 IN, C shape, 20 LF long, (in-kind).

Ceiling:

- A. Remove and replace, in-kind, 500 SF of ceiling, 2 FT x 4 FT acoustic tile, (in-kind).

Hazard Mitigation Proposal (HMP) Scope of Work:

- 1. Gutter clips: 30 LF
 - a. To prevent gutters from being blown off by high winds, additional clips will be added to better anchor them to the building.

END OF DI SOW

14. **DI # 151531 UPR Ponce Edificio 014 Edificio G Nominas, Talleres**



Facility Description: The "Edificio G Nómina, Talleres" building is a 4,560 SF, that was constructed in 1970 (49 years old). This office / workshop building is a single story. The building is metal roof with a steel joist roofing system. The building has a total of 6-foot overhang on the east and west elevations. The interior includes drywall partition 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. **Approx. Year Built:** 1970. **GPS Latitude/Longitude:** 17.99436, -66.60589.

PA Scope of Work for Permanent Work:

Ceiling:

A. Remove and replace, in-kind, 200 SF of ceiling, 2 FT x 4 FT acoustic tile, (in-kind).

END OF DI SOW

15. **DI # 151532 UPR Ponce Edificio 013 Edificio F Departamento de Educación.**



Facility Description: The "Edificio F Departamento de Educación" building is a 5,608 SF, that was constructed in 1970 (49 years old). This classroom / offices building is a single-story site cast, reinforced concrete building, concrete block wall and a roof with structural steel. The interior includes reinforced concrete bearing walls, concrete block wall with a reinforced concrete floor slab on grade. Interior finishes generally consist of suspended acoustic ceiling, painted concrete or drywall, ceramic and vinyl floor tile. The height of the building is 10 FT and 8 FT to the offices area. The building has two classrooms, audiovisual room, computer laboratory with office and storage and five offices and bathroom.
Approx. Year Built: 1970. **GPS Latitude/Longitude:** 17.99450, -66.60606

PA Scope of Work for Permanent Work:

Roofing System:

- A. Remove and replace, in-kind, 70 SF of corrugated metal roof, broken, (in-kind).
- B. Remove and replace, in-kind, roof flashing, 25 FT long, (in-kind).

Ceiling:

- A. Remove and replace, in-kind, 160 SF of 2 FT x 4 FT Acoustical ceiling tiles, (in-kind).

Hazard Mitigation Proposal (HMP) Scope of Work

Exterior Metal Panel Roof Fasteners: 70 SF

- a. To prevent future similar damage to the metal paneled use additional fasteners to improve roofing fastener pattern.

END OF DI SOW

16. **DI # 151533 UPR Ponce Edificio 016 Edificio F Edificio de jardinería.**



Facility Description: The Edificio de Jardinería is a 950 SF, one story building that consists of reinforced concrete columns with vertical slotted masonry and reinforced concrete beams with metal purlin and deck roof system with a three-foot roof overhang. The building was constructed in 1990 (29 years old). It has one main entrance and two roll-up doors. The interior includes painted concrete masonry unit walls with a reinforced concrete floor slab on grade. Interior finishes generally consist of polished concrete floor and painted CMU walls. The floor of the office is finished with 12 IN x 12 IN VCT tile. **Approx. Year Built: 1990. GPS Latitude/Longitude: 17.99394, -66.60590**

PA Scope of Work for Permanent Work:

Roofing System:

- A. Remove and replace, in-kind, 60 SF of metal deck, 26 GA, 15 FT long x 4 FT wide, (in-kind).
- B. Remove and replace, in-kind, fascia trim, metal, gauge (26 GA) 12 IN, 15 LF long, (in-kind).
- C. Remove and replace, in-kind, C-8 cold form steel purling, 4 LF long, (in-kind).

Hazard Mitigation Proposal (HMP) Scope of Work

Exterior Metal Panel Roof Fasteners: 75 SF to prevent future similar damage to the metal paneled roof. Use additional fasteners to improve roofing fastener pattern.

END OF SOW

17. **DI # 151534 UPR Ponce Edificio 015 Edificio H Edificio de Recursos Físicos**



Facility Description: The **Recursos Físicos (Physical Resources) 015 building** is a 4,500 SF, 1 story facility maintenance building that was constructed in 1970 (49 years old). Roof is a galvanized ribbed metal sheeting over a c-channel framing. The walls around the building are composed of ornamental CMU. The interior ceiling is an acoustical suspended ceiling. Interior partitions for different offices are drywall. The floor is VCT over a concrete slab on grade or concrete with sealer finish. The structure is made of steel I beams with wide flange columns spaced 8 FT OC along both sides of the longest dimension of the building. **Approx. Year Built: 1970. GPS Latitude/Longitude: 17.99416, -66.60575.**

PA Scope of Work for Permanent Work:

Roofing System:

A. Remove and replace, in-kind, fascia trim, galvanized ribbed metal, (26 GA) 12 IN, 10 LF long, (in-kind).

Woman's Bathroom (8 FT x 8 FT):

A. Remove and replace, in-kind, 24 SF of ceiling, 2 FT x 4 FT acoustic tile, (in-kind).

B. Remove and replace, in-kind, 2 each of light, 2 FT x 4 FT fluorescent, 4 tube, recessed, (in-kind).

Break Room (9 FT x 10 FT):

A. Remove and replace, in-kind, 8 SF of ceiling, 2 FT x 4 FT acoustic tile, suspended, (in-kind).

B. Remove and replace, in-kind, 1 each of light, 2 FT x 4 FT fluorescent, 3 tube, recessed, (in-kind).

Reception 2 (16 FT x 21 FT):

- A. Remove and replace, in-kind, 168 SF of ceiling, 2 FT x 4 FT acoustic tile, suspended, (in-kind).
- B. Remove and replace, in-kind, base, 4 IN vinyl, 74 LF long, (in-kind).
- C. Remove and replace, in-kind, 336 SF of floor, VCT, 12 IN x 12 IN, (in-kind).

Conference Room (10 FT x 10 FT):

- A. Remove and replace, in-kind, 2 each of light, 2 FT x 4 FT fluorescent, 4 tube, recessed, (in-kind).

Office A (7 FT x 9 FT):

- A. Remove and replace, in-kind, 2 each of light, 2 FT x 4 FT fluorescent, 4 tube, recessed, (in-kind).

Construction Supervisor (25 FT x 32 FT) + (10 FT x 24 FT):

- A. Remove and replace, in-kind, 520 SF of ceiling, 2 FT x 4 FT acoustic tile, suspended, (in-kind).

Carpentry Shop (35 FT x 40 FT):

- A. Remove and replace, in-kind, 700 SF of ceiling, 2 FT x 4 FT acoustic tile, suspended, (in-kind).

Abatement / Remediation:

- A. Mold Remediation, 2,440 SF of mold abatement, (in-kind).

Hazard Mitigation Proposal (HMP) Scope of Work:

Waterproof Underlayment for Vinyl Floors, 1/8" thick 336 SF.

BBA Scope of Work:

Install Four (4) ceiling mounted occupancy sensors one (1) for each room - damaged lighting is functional dependent on sensor to meet code requirement. Due to the room sizes, 1 ea. occupancy sensor will be necessary to operate lighting fixture system. The sensor shall be positioned in the ceiling, room area centered to allow 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

END OF DI SOW

18. **DI # 195907 UPR Ponce 444 Site**



Description: The UPR Ponce Site 444 was constructed in 1970 (49 years old). The site consists of security fencing, tennis, court fencing, and basketball court.

Approx. Year Built: 1970. **GPS Latitude/Longitude:** 17.99302, -66.60764

PA Scope of Work for Permanent Work:

Security Fencing:

A. Remove and replace, in-kind, West Perimeter Fence, chain link industrial, galvanized steel, 3 strands barb wire with extension arms, 2 IN posts at 10 FT OC, 9 GA wire, 80 FT long x 6 FT high, (in-kind).

B. Remove and replace, in-kind, North Perimeter Fence Gate, chain link industrial, galvanized steel, 3 strands barb wire with extension arms, 4 IN posts, 9 GA wire, 8 FT wide x 6 FT high, (in-kind).

C. Remove and replace, in-kind, **North Perimeter Fence**, chain link industrial, galvanized steel, 3 strand barb wire with extension arms, 2 IN posts at 10 FT OC, 9 GA wire, 200 FT long x 6 FT high, (in-kind).

D. Remove and replace, in-kind, **East Perimeter Fence**, chain link industrial, galvanized steel, 3 strands barb wire with extension arms, 2 IN posts at 10 FT OC, 9 GA wire, 1,120 FT long x 6 FT high, (in-kind).

E. Remove and replace, in-kind, South Perimeter Fence, chain link industrial, galvanized steel, 3 strands barb wire with extension arms, 2 IN posts at 10 FT OC, 9 GA wire, 100 FT long x 6 FT high, (in-kind).

Tennis Court:

A. Remove and replace, in-kind, chain link, vinyl coated steel, 3 IN posts at 10 FT OC, 9 GA wire, 200 FT long x 12 FT high, (in-kind).

Basketball Court:

A. Remove and replace, in-kind, 2 each of backboards, rims and net, (in-kind).

Hazard Mitigation Proposal (HMP) Scope of Work:

Fence:

- a. North Perimeter Fence, Strengthen chain link fence, 1500 LF.
- b. East Perimeter Fence, Strengthen chain link fence, 200 LF.

END OF SOW

PW 10917 – MUPR051 Ponce Group 05

19. **DI # 151523 UPR Ponce Edificio 005 Edificio de Administración**



Facility Description: The building has metal roof with a steel joist roofing system. The walls have concrete or steel columns with store front plate glass infill between the columns along the east and west elevation. The floor is cast in place concrete. The eave overhangs the walls six feet around the exterior of the building. There is a mansard roof panel six feet tall around the edge of the roof. Interior finishes generally consist of suspended acoustic ceiling, painted concrete or drywall and vinyl floor tile. The facility was in operation at the time of the event.

PA Scope of Work for Permanent Work

Roofing System:

A. Remove and replace in-kind 8,000 SF of Built-Up Roofing (BUR) membrane.

Building Exterior:

Initials _____

B. Remove and replace in-kind 4 IN x 4 IN L shape steel angle, 6 FT long.

Building Interior:

Entrance Corridor (Pasillo):

- C. Remove and replace in-kind 504 SF of ceiling, 2x4 acoustic tile.
- D. Remove and replace in-kind 504 SF of ceiling, suspended metal grid.
- E. Remove and replace in-kind 6 each of light, 2x4 fluorescent, 4 tubes.

Reception (Dean's Office):

- F. Remove and replace in-kind 64 SF of ceiling, 2x4 acoustic tile.
- G. Remove and replace in-kind 64 SF of ceiling, suspended metal grid.

Office (Dean's Office):

- H. Remove and replace in-kind 32 SF of ceiling, 2x4 acoustic tile.
- I. Remove and replace in-kind 4 each of light, 2x4 fluorescent.

Conference Room (Dean's Office):

- J. Remove and replace in-kind 80 SF of ceiling, 2 FT x 2 FT acoustic tile

Telephone Room (Dean's Office):

- K. Remove and replace in-kind 108 SF of ceiling, 2x4 acoustic tile.

Director's Office (Human Resources):

- L. Remove and replace in-kind 32 SF of ceiling, 2x2 acoustic tile.

Vault (Human Resources):

- M. Remove and replace in-kind 184 SF of ceiling, 2x4 acoustic tile.
- N. Remove and replace in-kind **16 SF of wall**, 5/8 IN drywall, painted.

Reception (Human Resources):

- O. Remove and replace in-kind 32 SF of ceiling, 2x2 acoustic tile.

Benefits and Assistance Office (Human Resources):

- P. Remove and replace in-kind 4 SF of ceiling, 2x2 acoustic tile.

Clarification Offices (Human Resources):

Q. Remove and replace in-kind 8 SF of ceiling, 2x4 acoustic tile.

Entrance and Janitor:

R. Remove and replace in-kind 104 SF of ceiling, 2x4 acoustic tile.

S. Remove and replace in-kind base, 4 IN vinyl, 66 LF long.

Men's Restroom:

T. Remove and replace in-kind 32 SF of ceiling, 2x4 acoustic tile.

Women's Restroom:

U. Remove and replace in-kind 40 SF of ceiling, 2x4 acoustic tile.

Reception (Finance):

V. Remove and replace in-kind 40 SF of ceiling, 2x4 acoustic tile.

W. Remove and replace in-kind 1 each of light, 2x4 fluorescent.

Office # 3 (Finance):

X. Remove and replace in-kind 72 SF of ceiling, 2x4 acoustic tile.

Office # 4 (Finance):

Y. Remove and replace in-kind 72 SF of ceiling, 2x4 acoustic tile.

Collections Office (Finance):

Z. Remove and replace in-kind 112 SF of ceiling, 2x4 acoustic tile

Coffee Room (Finance):

AA. Remove and replace in-kind 24 SF of ceiling, 2x4 acoustic tile.

Office # 5 (Finance):

BB. Remove and replace in-kind 32 SF of ceiling, 2x4 acoustic tile.

Office # 8 (Finance):

CC. Remove and replace in-kind 24 SF of ceiling, 2x4 acoustic tile.

Office # 10 (Finance):

DD. Remove and replace in-kind 48 SF of ceiling, 2x4 acoustic tile.

Office # 11 (Finance):

EE. Remove and replace in-kind 64 SF of ceiling, 2x4 acoustic tile.

Secretary (Procurement):

FF. Remove and replace in-kind 80 SF of ceiling, 2x4 acoustic tile

Office # 1 (Procurement):

GG. Remove and replace in-kind 48 SF of ceiling, 2x4 acoustic tile.

Office # 2 (Procurement):

HH. Remove and replace in-kind 60 SF of ceiling, 2x4 acoustic tile.

Office # 3 (Procurement):

II. Remove and replace in-kind 24 SF of ceiling, 2x4 acoustic tile.

Office # 4 (Procurement):

JJ. Remove and replace in-kind 32 SF of ceiling, 2x4 acoustic tile.

Photocopy Room:

KK. Remove and replace in-kind 60 SF of ceiling, 2x4 acoustic tile.

Hazard Mitigation Proposal (HMP) Scope of Work:

Replace gypsum board on 16 SF of damaged wall/ceiling with mold and water-resistant gypsum board to prevent water damage and mold growth from water intrusion.

Install 22 SF of wall base using waterproof adhesive to prevent further damage.

BBA SOW

BBA Work required: Install two (2) ceiling mounted occupancy sensors one (1) for each room or 1 per 600 SF -damaged lighting is functional dependent on sensor to meet code requirement. Due to the room size, 1 ea. occupancy sensor will be necessary to operate the lighting fixture system. The sensor shall be positioned in the ceiling, room area centered to allow for best functionality.

END OF SOW

20. **DI # 264207 UPR Ponce E-444 Electrical Site**



Hurricane winds damaged power generation, transmission, distribution facilities and electrical lighting components. The damaged elements sustained water intrusion which caused damage to power generation, transmission, distribution facilities and electrical lighting components.

PA Scope of Work for Permanent Work

Pole #1

- A. Reinstall 3 each of transformer bank, 37.5 kVa. See Scope Note #1.
- B. Reinstall 3 each of Fuse. See Scope Note #1.
- C. Reinstall 3 each of Fuse Holder. See Scope Note #1.

Pole #2:

- D. Reinstall 3 each of transformer bank, 50 kVa. See Scope Note #1.
- E. Reinstall 3 each of Fuse. See Scope Note #1.
- F. Reinstall 3 each of Fuse Holder. See Scope Note #1.

Pole #3:

- G. Reinstall 3 each of transformer bank, 37.5 kVa. See Scope Note #1.
- H. Reinstall 3 each of Fuse. See Scope Note #1.
- I. Reinstall 3 each of Fuse Holder. See Scope Note #1.

From Pole #3 (17.99365, -66.60617) to Pole #4 (17.99407, -66.60685):

J. Reinstall # 4 Copper wire, 400 FT long. See Scope Note #1.

From Pole #2 (17.99318, -66.60645) to Pole #10 (17.994550, -66.605788):

- K. Reinstall # 4 Copper wire, 400 FT long. See Scope Note #1.

From Pole #10 (17.994550, -66.605788) to Pole #11 (17.994732, -66.606094):

L. Reinstall # 4 Copper wire, 100 FT long. See Scope Note #1.

Pole #12:

M. Remove and replace 1 each of wood pole with 2 crossarms, 45 FT high.

Pole #9:

N. Reinstall 1 each of wood pole with 2 crossarms, 45 FT high. See Scope Note #1.

Pole #8:

O. Reinstall 1 each of concrete pole, 45 FT high. See Scope Note #1.

P. Reinstall 3 each of transformer bank, 37.5 kVa. See Scope Note #1.

Pole #7:

Q. Reinstall 1 each of wood pole with 4 crossarms, 45 FT high. See Scope Note #1.

Pole #4:

R. Reinstall 1 each of H4 concrete pole, 45 FT high. See Scope Note #1.

Hazard Mitigation Proposal (HMP) Scope of Work

A. Install 2 Ea. Guy Anchors on 2 Ea. damaged poles to prevent displacement and a falling domino effect from line tension during high velocity wind events.

B. Replace 45 FT wooden pole with concrete pole. Replace damaged poles with higher-rated poles of the same or different material.

C. Install 1 Ea. Facility Power Surge Protection Device to protect equipment of a facility from failure caused by power surges resulting from heavy rain and high velocity wind event.

23. APPENDIX G

FEMA Alternative Procedures

PLEASE [CLICK HERE](#)

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