

**UNIVERSITY OF PUERTO RICO  
CENTRAL ADMINISTRATION  
NOTICE OF REQUEST FOR PROPOSAL (RFP) DRO 23-020 / 6779-8239  
DESIGN AND SUPERVISION SERVICES**

**Timeline:**

<b>RFP publication date:</b>	March 16, 2023.
<b>Site Visit:</b>	If necessary and required by the proponent
<b>Deadline for Request for Information by email:</b>	March 29, 2023, Time: on or before 4:30pm.
<b>Response for Request for Information by email:</b>	March 31, 2023, Time: on or before 4:30pm.

The proposal must be submitted **by email on or before 11:59pm (AST) on April 13, 2023**. Address the indicated contacts in Section II (Mr. Julio Collazo Rivera, attention to Eng. Carlos Hiraldo and Eng. Eliezer Collazo). [The University of Puerto Rico \(UPR\) will accept offers via email in digital PDF format at \[uprrecovery.rpf@upr.edu\]\(mailto:uprrecovery.rpf@upr.edu\)](#). To request the RFP Documents write us at said email.



The UPR is working towards its recovery, which requires the issuance of this Request for Proposal for Design and Supervision Services for the UPR Recovery Project **6779-8239-DRO-D02-RUM-UPRAR-Reconditioning of twelve buildings and structures in the University of Puerto Rico at Mayagüez and five in the University of Puerto Rico at Arecibo** ("The Project"). The purpose of this RFP is to request and receive proposals from qualified Architecture and Engineering firms for the development of all design documents: 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. The project identified as **6779** will impact twelve (12) buildings and structures, located at the Main Campus of the University of Puerto Rico at Mayagüez, whose respective scope of work, as stated by FEMA, are summarized among eight (8) Disaster Identification Numbers. The project identified as **8239** will impact five (5) buildings and structures, located at the Campus of the University of Puerto Rico at Arecibo, whose respective scope of work, as stated by FEMA, are summarized among five (5) Disaster Identification Numbers.

Oficina de  
Desarrollo  
Físico e  
Infraestructura

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

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

Jardín Botánico Sur  
1187 Calle Flamboyán  
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Julio A. Collazo Rivera, Director

# REQUEST FOR PROPOSALS FOR:

**DESIGN AND SUPERVISION SERVICES for 6779-8239-DRO-D02-RUM-UPRAR-Reconditioning of twelve buildings and structures in the University of Puerto Rico at Mayagüez and five in the University of Puerto Rico at Arecibo**

**RFP #DRO 23-020 / 6779-8239**

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 **6779-8239-DRO-D02-RUM-UPRAR-Reconditioning of twelve buildings and structures in the University of Puerto Rico at Mayagüez and five in the University of Puerto Rico at Arecibo** (the "Project"). The purpose of this RFP is to request and receive proposals from qualified Architecture and Engineering firms for the development of all design documents: As-Built, Basis of Design, detail design, specifications, cost estimates, schedules, scopes of work, and bidding phase and other required documentation for the compliance of the requirements of FEMA and PRDOH/CDBG-DR Non-Federal Match Program. The awarded firm or professional will also provide services of oversight and coordination for the execution of a complete comprehensive project.

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

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

## 2. CONTACT AND TIMELINE

The RFP shall be sent and addressed to:

Initials \_\_\_\_\_

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

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

University of Puerto Rico  
Jardín Botánico Sur 1187, calle Flamboyán  
Río Piedras, Puerto Rico 00926-1117  
Tel. (787) 250-0000, Ext. 5099  
**E-mail: [uprrecovery.frp@upr.edu](mailto:uprrecovery.frp@upr.edu)**

**NOTICE:** Be advised that interested proponents must register receipt of this RFP at [uprrecovery.frp@upr.edu](mailto:uprrecovery.frp@upr.edu) to qualify for receiving the following:

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

### 3. TIMELINE AND SUBMISSION DATE

Description	Date
RFP publication	March 16, 2023.
Deadline for Request for Information (RFI) by email	March 29, 2023, Time: on or before 4:30pm Atlantic Standard Time (AST)
Response for Request for Information by email	March 31, 2023, Time: on or before 4:30pm Atlantic Standard Time (AST)
The proposal must be submitted by email. Address the indicated contacts in Section 2 – CONTACT (Mr. Julio Collazo Rivera, Attention to Eng. Carlos Hiraldo and Eng. Eliezer Collazo)	April 13, 2023, Time: on or before 11:59pm Atlantic Standard Time (AST).
Award Notification	April 2023
Execution of Agreement	May 2023

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

## 4. PROJECT DESCRIPTION

The project identified as **6779** will impact twelve (12) buildings and structures, located at the Main Campus of the University of Puerto Rico at Mayagüez, whose respective scope of work, as stated by FEMA, are summarized among eight (8) Disaster Identification Numbers.

The project identified as **8239** will impact five (5) buildings and structures, located at the Campus of the University of Puerto Rico at Arecibo, whose respective scope of work, as stated by FEMA, are summarized among five (5) Disaster Identification Numbers.

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

### Buildings located at Mayagüez Campus:

#### A. Damage #155563; UPR Mayagüez Building 033 Pista Atlética

The Pista Atlética, built in 1984 (38 years), is an updated racetrack and field complex that includes 10 areas dedicated to different sporting events and occupies about 490,000 square feet. The athletic field also includes two field houses, a roofed podium and wood bleachers.

#### B. Damage #155588; UPR Mayagüez Building 054 Administración de Empresas

The Administracion de Empresas building is about 143,723 SF, 5-story educational facility that was built in 2006 (16 years). The building is a cast-in-place reinforced concrete structure with varying degrees of parapets and overhangs. The roof is reinforced concrete covered with a bituminous built-up roof (BUR) system. The interior includes reinforced CMU wall partitions and reinforced concrete load bearing walls. Interior finishes generally consist of suspended acoustic ceiling, plastered and painted walls, with ceramic and vinyl composition tile (VCT) flooring.

#### C. Damage #155623; UPR Mayagüez Building 859 Laboratorio de Farmacéutica

The Laboratorio de Farmacéutica building is about 5,520 SF, one story structure, built about 20 years ago. The building is a cast-in-place, reinforced concrete structure with a reinforced concrete roof, covered with bituminous built-up roofing system. The interior includes reinforced concrete bearing walls, concrete support columns and a slab on grade reinforced concrete floor. Interior finishes generally consist of suspended acoustic ceiling, painted concrete or drywall, and VCT, ceramic tile.

#### D. Damage #155625; UPR Mayagüez Building 861 Edificio de Ráquetball

Initials \_\_\_\_\_

The racquetball building is about 7,858 SF, one story structure built in 2010 (12 years). The building is a cast in place reinforced concrete structure with a corrugated sheet metal over steel trusses and girders. The roof is covered with a bituminous built-up roofing system. The interior finishes consist of suspended acoustic ceiling, painted concrete or drywall, ceramic floor tile, and wood floors.

**E. Damage #155626; UPR Mayagüez Building 862 Residencia Biaggi (Archivo Histórico)**

The Residencia Biaggi building is about 1,216 SF, one story house, converted into an archive for historic documents. This structure is over 60 years of being built. This building is a cast-in-place reinforced concrete structure with two-foot roof overhang on three of its sides and one overhang, below roof elevation, on the east side. The roof membrane is composed of an elastomeric coating. The interior finishes consist of painted concrete ceiling, painted concrete walls and ceramic floor tile.

**F. Damage #220860; UPR Mayagüez Building 040 I Casa Solar**

The Casa Solar is a wood frame structural building, built in 2006 (16 years). It is about 786 SF, one-story structure with galvalume metal panels and 3 FT x 5 FT solar panel arrays on top. The interior finishes of the walls together with the ceiling consist of painted wooden boards and the floor finish is made of organic linoleum tiles. This structure is an experimental home that runs on solar powered energy.

**G. Damage #252193; UPR Mayagüez Building 053 Centro de Cuidado Diurno**

The Centro de Cuidado Diurno building is about 7,094 SF, one story structure built in 2001 (21 years) and is used as a day care facility. The building is a cast-in-place, reinforced concrete structure with a section of the facility's roof being of reinforced concrete and another of steel joists covered with a metal deck. Both sections have a bituminous built-up roofing system and elastomeric coating. The interior finishes consist of painted concrete ceiling and painted concrete masonry or drywall partitions.

**H. Damage #252499; UPR Mayaguez Building 023 Guardia Universitaria**

The Guardia Universitaria is a group of 6 aluminum modular trailers (wagons) that were set up around 2001 (21 years); four of the units are joined together by an 8 FT covered hallway; units 5 and 6 are set end to end. The units are 12 FT x 40 FT, with a footprint of 6,127 SF. The roof is composed of aluminum sheet metal. The Interior finishes consist of suspended acoustic ceiling and a wood sub-floor covered with vinyl floor tile. The walls are vinyl covered drywall.

**Buildings located at Arecibo Campus:**

**I. Damage #148246; UPR Arecibo Building 005 Edificio Central**

The UPR Arecibo Building 005, Central Building, is a 73,560 SF (approximate), 3 story office building that was constructed in 1972 (approximate) (50 years old). The building is a site cast, reinforced concrete with a reinforced concrete roof with a bituminous built-up roof system. The interior includes reinforced concrete walls with a reinforced concrete floor slab on grade. Interior finishes generally consist of suspended acoustic ceiling, concrete or drywall, and carpet, ceramic, and vinyl floor tile. The building has Administrative and Academic offices, the Business Administration and Communication Departments, Cafeteria, Radio and Television Studios and Laboratories, Classrooms, and Theater.

The scope of work requested by FEMA mostly includes roof reparations, acoustic ceiling replacement, vinyl and ceramic floor replacement, lighting fixtures and electrical outlets replacement, air conditioning units' replacement, interior and exterior painting, doors and windows replacement among other minor works.

#### **J. Damage #195236; UPR Arecibo Building 021 Ala Este**

Site cast, reinforced concrete building with a reinforced concrete roof with a bitumen membrane with granular surface. 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.

The scope of work requested by FEMA mostly includes roof reparations, acoustic ceiling replacement, vinyl and ceramic floor replacement, lighting fixtures and electrical outlets replacement, air conditioning units' replacement, interior and exterior painting, doors and windows replacement among other minor works.

#### **K. Damage #195237; UPR Arecibo Building 022 Ala Norte**

The UPR Arecibo Edificio 022 Edificio Ala Norte building is a 19,031 SF (approximate), story classroom building that was constructed in 1972 (approximate) (50 years old). North wing building is two story concrete building with built-up roof members. There are two staircases on both north and south side of the building with long L-shape walk hallway on both floors. The interior includes reinforced concrete bearing walls with a reinforced concrete floor slab on grade. Interior finishes with painted concrete ceiling on first floor, painted thick plaster on second floor and ceramic tile floor.

The scope of work requested by FEMA mostly includes roof reparations, acoustic ceiling replacement, vinyl and ceramic floor replacement, lighting fixtures and electrical outlets replacement, air conditioning units' replacement, interior and exterior painting, doors and windows replacement among other minor works.

#### **L. Damage #195239; UPR Arecibo Building 024 Ala Central**

The UPR Arecibo Edificio 024 Edificio Ala Central building is a 17,700 SF (approximate), 3 story office building that was constructed in 1972 (approximate) (50 years old). The



building is a site cast, reinforced concrete building with a reinforced concrete roof with both a bituminous built-up roof (27%) and a BUR membrane roof (73%) and has 3 floors. 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.

The scope of work requested by FEMA mostly includes roof reparations, acoustic ceiling replacement, vinyl and ceramic floor replacement, lighting fixtures and electrical outlets replacement, air conditioning units' replacement, interior and exterior painting, doors and windows replacement among other minor works.

#### **M. Damage #195247; UPR Arecibo Building 033 Ala Almacén de Refrigeración**

The UPR Arecibo Edificio 033 Almacén de Refrigeración building is a 1,243 SF(approximate), 1 story, Refrigeration Storage building that was constructed in 1974(approximate) and is (approximate 49 years old). It is a one story, reinforced concrete building with a ribbed metal channels roof system with steel deck. The interior includes reinforced concrete bearing walls with a reinforced concrete floor slab on grade. Interior finishes generally consist of painted concrete and concrete floor.

The scope of work requested by FEMA mostly includes roof reparations, lighting fixtures interior and exterior painting.

The description of each structure and its corresponding scope of work are included in **Appendix E - FEMA Scope of Work**.

## **5. SERVICES**

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

### **5.1 SERVICES RELATED TO FEMA'S SOW**

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

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

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

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

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

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

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

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

## 6. COST PROPOSAL

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

## 7. REQUIRED DOCUMENTS FOR THE SUBMISSION OF THE PROPOSAL

### General Instructions

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

of a proposal by a proponent will be considered evidence that it has met these requirements.

The proponent must understand that any study or information presented is provided in good faith, with the purpose of offering access to the same information that the UPR obtained. Said information or studies must be supplemented by personal research and interpretation to be judged by the bidders. It is the responsibility of the proponents, not the UPR, any misinterpretation of the information presented.

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

**Mandatory requirements, Proposal Preparation, and Submission**

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

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

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

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

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

- Letter of Intent (1-page limit): A transmittal letter, signed by an authorized representative of your organization, that states the acceptance of the Terms and Conditions of this RFP, providing the exact business name under

which you propose to conduct business with the UPR, and your address, telephone, fax number, e-mail address and SAM Entity Identifier Number.

- SAM registration and annual renewal is a contract requirement. Proponents in the process of registering and/or renewing their SAM can participate in this RFP, however, if SAM registration and/or renewal process is not done by the time of award, your proposal may be rejected for not meeting federal procurement requirements.
- Appendix A – Statement of the Bidder
- Appendix B – Required Federal Documents (Lobbying Certification, Non-Conflict of Interest Certification and Limited Denial of Participation Affidavit)
- Appendix D - Cost Proposal
- Cost Proposal Breakdown - Provide Cost Estimate Breakdown based in SOW provided in Appendix E.
- A color copy of the engineer's or architect's professional ID (Identificación de Colegiación) and a copy of the Department of State License.
- **Copy of initialized RFP and its Appendices.**

### **Request for Information (RFI)**

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

## **8. UPR RESPONSIBILITIES**

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

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

## **9. COMPENSATION FOR DESIGN AND SUPERVISION SERVICES AND PAYMENT METHOD**

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

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

**The Awarded Proponent** must submit one (1) original and one (1) digital copy of the invoices to be certified by the President of the University of Puerto Rico or his authorized representative, in this case, the Director of the Office of Physical Infrastructure and Development at the University of Puerto Rico, Central Administration (the "ODFI"). In addition, the Designer/Supervisor will send a copy by email to the Project Coordinator appointed by ODFI. Each invoice must be delivered physically to the ODFI during the first ten (10) calendar days of the following month in which the services were rendered. During the Design Phase, the invoices must detail the services provided or the activities carried out, accompanied by the required documents, and comply with the Basic Services requirements established in this contract.

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

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

## 10. PROPOSAL SCORING AND EVALUATION CRITERIA

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

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

years or more of experience, with projects sponsored and funded by FEMA, CDBG-DR program, and/or another Federal agency.

The UPR must comply with all applicable federal and state laws, regulations, executive orders, and policy. Consequently, the UPR will review the Proponent's Proposal to determine overall responsiveness and completeness of the Proposal with respect to the components outlined in the RFP using the following evaluation criteria:

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

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

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

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

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

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

- Full Completeness of Personnel/Trade specialist (mechanical, electrical, architectural, structural, civil) qualifications per trades based on SOW

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

- Proponent must supply references of minimum three firms to which similar services have been provided within the past five years of a comparable sized institution or company. If contacted, all references must verify a high level of satisfaction was provided. (5 points)

**Cost Proposal Breakdown (5 points)**

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

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

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

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

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

**Preference of 5 points for Section 3 Business Concern and MWBE**

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

- Percentage owned by Section 3 residents; or
- Has permanent, full time employees at least 30 percent of whom are currently Section 3 residents, or within three years of the date of first employment with the business concern were Section 3 residents; or
- Has subcontracted, or has a commitment to sub-contract, in excess of 25 percent of the total dollar award of all sub-contracts to be awarded to such businesses described above. You can locate the Section 3 or MWBE Policy document with all the related information of this topic available in English and Spanish on the PRDOH website.
  - <https://cdbg-dr.pr.gov/en/download/section-3-policy/>
  - <https://cdbg-dr.pr.gov/download/politica-sobre-seccion-3/>
  - <https://cdbg-dr.pr.gov/en/download/mwbe-policy>
  - <https://cdbg-dr.pr.gov/download/politica-mwbe/>
  - **Supporting evidence to substantiate Section 3 status can include; (i) Evidence of business ownership (e.g. Articles of Incorporation, By**

**Laws, proof of 51% company ownership, Partnership Agreement); (ii) Evidence of employees of the business (e.g. roster of permanent full time employees, Section 3 Resident Self Certification Form for each employee who qualifies as newly hired Section Resident employee); (iii) Duly signed letter evidencing subcontracting at least 25% of the dollar amount.**

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

**TABLE - SUMMARY OF POINTS**

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

## **11. FINAL EVALUATION**

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

## **12. PROJECT AWARD**

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

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



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

### **13. UPR DISCLAIMERS**

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

#### **13.1. Equal Employment Opportunity and Non-Discrimination**

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

#### **13.2. Conflict of Interest**

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

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

#### **13.3. Proponent's Error and Omissions**

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

#### **13.4. Proponent's Expenses**

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

13.5. **Selection of proposal in best interest of the UPR**

13.5.1. Notwithstanding the selection criteria set forth in the RFP, if determined by the UPR to be in its best interest, the UPR reserves the right to request further information, negotiation, and select a Proposal(s) that, in its sole judgment, is consistent with, and responsive to the goals of its recovery plan, irrespective of whether it is the apparent lowest-priced Proposal.

13.6. **Number of Awards**

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

13.7. **Withdrawal Proposals**

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

13.8. **SAM Registration**

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

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

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

13.9.2. Issuance of this RFP does not constitute a commitment by the UPR to award a contract. None of the participants in this RFP process have any acquired

proprietary rights. The execution of a contract will be subject to government contracting process, all approvals required by law, including the FOMB if applicable. The UPR will not have any binding obligation, duties, or commitments to the Selected Proponent(s) until and unless a contract has been duly executed and delivered by the UPR after approval by the President. If the UPR is unable to negotiate a mutually satisfactory agreement with the Selected Proponent(s), it may, in its sole discretion, negotiate with the next highest-ranked Proponent(s) or cancel and reissue a new RFP. The UPR reserves the right to accept or reject, in whole or in part, all Proposals submitted and/or cancel this RFP and/or reissue this RFP or another version of it, at any time prior to the execution of a contract, if it determines, in its absolute discretion, that doing so is in its best interests. If any or all proposals are rejected, the UPR reserves the right to re-solicit proposals.

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

**13.10. Ownership of Proposals**

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

**13.11. Confidentiality of Proposals**

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

**13.12. Collection and Use of Personal Information**

13.12.1. Proponents are solely responsible for familiarizing themselves and ensuring that they comply with the laws applicable to the collection and dissemination of information, including résumés and other personal information concerning employees and employees of any subcontractors. If this RFP requires Respondents to provide the UPR with personal information of employees who have been included as resources in Proposal to this RFP, Proponents will ensure that they have obtained written consent from each of those employees before forwarding such personal information to the UPR. Such written consents are to specify that the personal information may be forwarded to the UPR for the purposes of responding to this RFP and use by the UPR for the purposes set out in the RFP. The UPR may, at any time, request the original consents or copies of the original consents from Respondents, and upon such request being made, Respondents will immediately supply such originals or copies to the UPR.

13.13. **RFP and Proposal as Part of Agreement**

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

13.14. **Non-Assignment**

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

13.15. **Causes for Disqualification**

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

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

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

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

13.16. **No Bid**

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

### 13.17. **Sub-Contracts or Consultants of the Awarded Proponent**

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

## 14. REQUIRED DOCUMENTS FOR THE SIGNING OF THE CONTRACT

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

- 1. Certificate of Ethics (will be provided)
- 2. Authorization Form for Electronic Payment (will be provided)
- 3. Provide a Unique Entity Identifier (UEI) number; be registered and active in the System for Award Management SAM.GOV.
- 4. Section 3 Plan - [\(Click here\)](#)
- 5. MWBE Utilization Plan - [\(Click here\)](#)
- 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).
- 9. Eligibility Certification of the Unique Registry of Professional Service Providers (RUP) from the General Services Administration (ASG) may be accepted. If proponent doesn't have a valid RUP, **provide** the following documents:
  - Certificate of Good Standing from the State Department.
  - Department of State Certificate of Incorporation.
  - Corporate Resolution with Corporate's Seal authorizing Corporation's representative to sign the contract.
  - Debt Certification issued by Department of the Treasury, Form SC 6096, Rev. 24-Feb-2020. In case of debt, submit official Department of Treasury document which certifies that you are under a payment plan that is being fully complied with.
  - Certification of Filing of Income Tax Forms for the last five (5) years issued by the Department of Finance. Form SC 6088, Rev. 24-Feb-2020 (If there is no

information because the Corporation has recently been incorporated, you must include an affidavit expressing such a situation.)

- If the filing certification of payrolls does not register the filing corresponding to the year 2022, present a punched copy by the Treasury of the first sheet of the filed return.
- Certificate of No Debt of the Municipal Revenue Collection Center (CRIM) for all concepts.
- If there is debt, you must submit an official CRIM document evidencing a payment plan. If the Cert. of Filing of Movable Property Forms is negative, an Affidavit is required.
- Certificate of No Debt of the CRIM of Real Estate of the Corporation. If there is debt, you must submit an official CRIM document evidencing a payment plan that is being fully complied with.
- Certification of Insurance for Unemployment, Temporary Disability, issued by the Department of Labor and Human Resources.
- Social Security Certification for Drivers, issued by the Department of Labor and Human Resources.
- Negative certification from ASUME that the Corporation does not owe payments to ASUME, from which it has withheld its employees, or negative certification ordering withholding.
- Merchant Registration Certification (IVU) Filing of Monthly Forms of IVU – Model SC 2942 A.
- Municipal Patent Certification.
- Affidavit – Law 2, January 4, 2018.

**END OF DOCUMENT**

## **15. APPENDIX A**

# **STATEMENT OF THE BIDDER**

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

**BUSINESS AND TECHNICAL ORGANIZATION.**

Bidder may use additional space to complete required information.

**I. PERMANENT PLACE OF BUSINESS**

A. Name of Bidder: \_\_\_\_\_

B. Mailing Address: \_\_\_\_\_

C. City and Zip Code: \_\_\_\_\_

D. Physical Address: \_\_\_\_\_

\_\_\_\_\_

E. City and Zip Code: \_\_\_\_\_

F. Telephone No: \_\_\_\_\_

G. E-Mail: \_\_\_\_\_

**II. PROPOSER REFERENCES - LIST BELOW SIMILAR CONTRACTS EXECUTED.**

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

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



**III. LIST BELOW CONTRACTS IN HAND**

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

**IV. EXECUTIVE SUMMARY**

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

**V. EXPERIENCE DESCRIPTION AND STRATEGY IN PROVIDING THE SERVICES**

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

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

\_\_\_\_\_  
Authorized representative signature

\_\_\_\_\_  
Date

Initials \_\_\_\_\_

## 16. APPENDIX B: REQUIRED FEDERAL DOCUMENTS

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

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

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



**1. LOBBYING CERTIFICATION**  
**RFP #DRO 23-020 / 6779-8239**

Certification for Contracts, Grants, Loans, and Cooperative Agreements

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

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

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

Please check appropriate box:

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

or

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

Executed this \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_

by \_\_\_\_\_  
(Type or Print Name)

\_\_\_\_\_  
(Title of Executing Official)

\_\_\_\_\_  
(Signature of Executing Official)

\_\_\_\_\_  
(Name of organization/applicant)

Initials \_\_\_\_\_



**2. NON-CONFLICT OF INTEREST  
CERTIFICATION ON EXISTING OR PENDING CONTRACTS  
Request for Proposal (RFP)  
Design and Supervision Services  
Community Development Block Grant – Disaster Recovery  
Universidad de Puerto Rico  
RFP #DRO 23-020 / 6779-8239**

I, \_\_\_\_\_, of legal age, of marital status (married/single), and a resident of \_\_\_\_\_, have been designated as the \_\_\_\_\_ authorized representative of \_\_\_\_\_ (“the Proposer”) for the **Design and Supervision Services / RFP# DRO 23-020 / 6779-8239** 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,

Initials \_\_\_\_\_

employee, or consultant, or member of their immediate family (spouse, parent, or child) has financial interests, or others, that would impair, or give the appearance of impairing, impartial judgment in 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.

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Signature of Proposer's Authorized Representative

---

Date

---

Printed Name of Proposer's Authorized Representative

Initials \_\_\_\_\_



**3. LIMITED DENIAL OF PARTICIPATION (LDP)/SUSPENSION OR DEBARMENT STATUS  
AFFIDAVIT  
Request for Proposal (RFP)  
Design and Supervision Services  
Community Development Block Grant – Disaster Recovery  
Universidad de Puerto Rico  
RFP #DRO 23-020 /6779-8239**

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

In \_\_\_\_\_, \_\_\_\_ this \_\_\_\_ day of \_\_\_\_\_ of 20\_\_\_\_.

\_\_\_\_\_  
(Name of Entity)

\_\_\_\_\_  
(Authorized Representative)

\_\_\_\_\_  
(Printed Name of Authorized)

\_\_\_\_\_  
(Position)

Affidavit No. \_\_\_\_\_

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

\_\_\_\_\_  
Public Notary

Initials \_\_\_\_\_

## **17. APPENDIX C**

# **POLICIES AND INSURANCE**



### Required Insurance for the project

#### RFP #DRO 23-020 / 6779-8239

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

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

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

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

## COST PROPOSAL

**University of Puerto Rico**

**RE: 6779-8239-**

**in the University of Puerto Rico at Mayagüez and five in the University of Puerto Rico at Arecibo. RFP #DRO 23-020 / 6779-8239**

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

structures

<b>COST PROPOSAL 6779 – UPR MAYAGÜEZ</b>			
<b>Field House #1, Field House #2, Start/Finish Podium, Administración de Empresas, Laboratorio Farmacéutica, Edificio Raquetball, Residencia Biaggi, Casa Solar, Centro Cuidado Diurno, Guardia Universitaria</b>			
Estimated Construction Cost for the proposed development: \$ _____			
Professional design and supervision fees have been computed based on the estimated construction cost mention above:			
PHASE	TIME	FEE	% FEE for Additional SOW
Schematic design	___ days	\$	N/A
Preliminary design	___ days	\$	N/A
Construction Documents	___ days	\$	N/A
Bidding and Negotiation	N/A	\$	N/A
<b>Design Subtotal:</b>		<b>\$</b>	N/A
Supervision	___ months x \$ _____ monthly	\$	N/A
<b>Design Phase and Supervision Subtotal:</b>		<b>\$</b>	N/A
<b>Additional Services</b>			N/A
<ul style="list-style-type: none"> <li>• Permit Management</li> <li>• Including lead and asbestos remediation permits and/or certificates in buildings prior to 1990.</li> </ul>	N/A	\$	N/A
•	___ days	\$	N/A

Initials \_\_\_\_\_

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

<b>COST PROPOSAL 8239 – UPR Arcibo</b>			
<b>Edificio Central, Ala Este, Ala Norte, Ala Central, Almacén de Refrigeración</b>			
Estimated Construction Cost for the proposed development: \$ _____			
Professional design and supervision fees have been computed based on the estimated construction cost mention above:			
<b>PHASE</b>	<b>TIME</b>	<b>FEE</b>	<b>% FEE for Additional SOW</b>
Schematic design	___ days	\$	N/A
Preliminary design	___ days	\$	N/A
Construction Documents	___ days	\$	N/A
Bidding and Negotiation	N/A	\$	N/A
<b>Design Subtotal:</b>		<b>\$</b>	N/A
Supervision	___ months x \$ _____ monthly	\$	N/A
<b>Design Phase and Supervision Subtotal:</b>		<b>\$</b>	N/A
<b>Additional Services</b>			N/A

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

\* **NOTE:** The UPR reserves the right to modify or adjust this amount. Reimbursable expenses is not part of the evaluation criteria for this RFP.

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

Fees for Professional Services	
	Fee per hour

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

**Dated:** \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_.

<b>Firm Name:</b>	
<b>Signed by:</b>	_____ (Sign it in ink)
<b>Name:</b>	
<b>Title:</b>	
<b>Employers Social Security:</b>	
<b>Mail Address:</b>	
<b>Physical Address:</b>	
<b>Phone Number:</b>	
<b>Fax Number:</b>	
<b>E-mail:</b>	

**Seal (if Bidder is a Corporation)**

## **19. APPENDIX E**

# **SCOPE OF WORK**

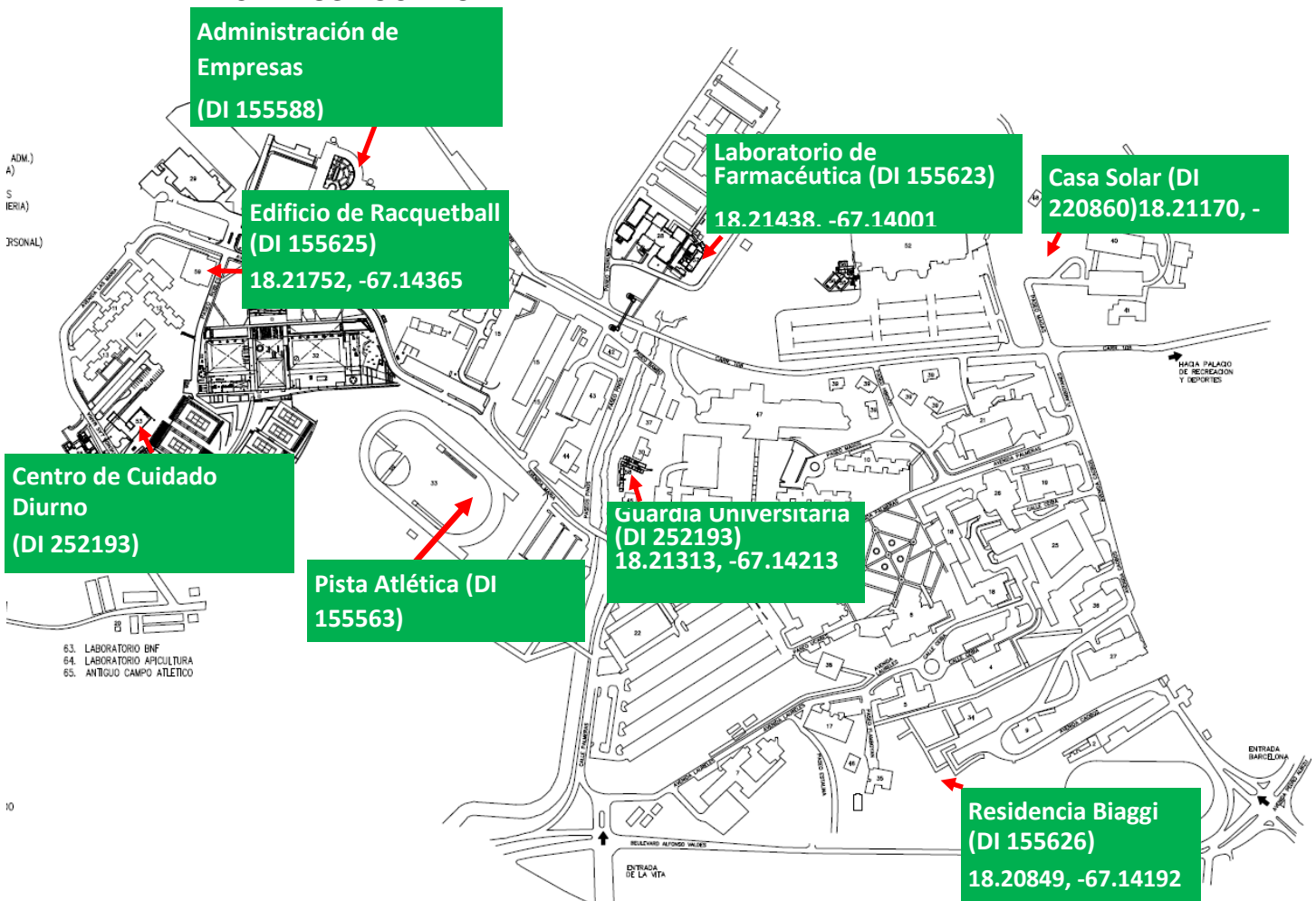
# 6779 – University of Puerto Rico at Mayagüez

## I. GENERAL DATA OF THE PROJECT:

Campus: UPR Mayagüez

DI's	155563	Edificio 033 Pista Atlética
	155588	Edificio 054 Administración de Empresas
	155623	Edificio 859 Laboratorio de Farmacéutica
	155625	Edificio 861 Edificio de Ráquetball
	155626	Edificio 862 Residencia Biaggi (Archivo Histórico)
	252193	Edificio 053 Centro de Cuidado Diurno
	252499	Edificio 023 Guardia Universitaria
	220860	Edificio 040 Casa Solar

## II. CAMPUS LOCATION PLAN:



Initials \_\_\_\_\_



### A. Damage #155563; UPR Mayagüez Edificio 033 Pista Atlética

The Pista Atletica, built in 1984 (38 years) is an updated racetrack and field complex that includes 10 areas dedicated to different sporting events and occupies an area approximately 490,000 square feet. The athletic field also includes two field houses, a roofed podium and wood bleachers.

- The Field House #1 is about 1,200 SF, one story structure, located at the southeast side of the track. The building is a cast-in-place, reinforced concrete structure with a steel frame. The roof, as well as the south and west side wall, is covered with corrugated metal sheet. Its interior includes painted concrete bearing walls, reinforced concrete slab on grade and corrugated metal sheet walls.
- The Field House #2 is about 1,800 SF, one story structure, located on the west side of the running track. The building is a cast-in-place, reinforced concrete structure with a steel frame and corrugated metal sheet roof. Its interior includes reinforced concrete frame, concrete masonry walls and a slab on grade reinforced concrete floor.
- The start/finish line podium is about 160 SF, one story structure, located at the northeast side of the track. This small building is a cast-in-place, reinforced concrete structure with a steel roof framing and corrugated metal sheets. The podium sits on a concrete slab and is located on the northeast portion of the track infield.

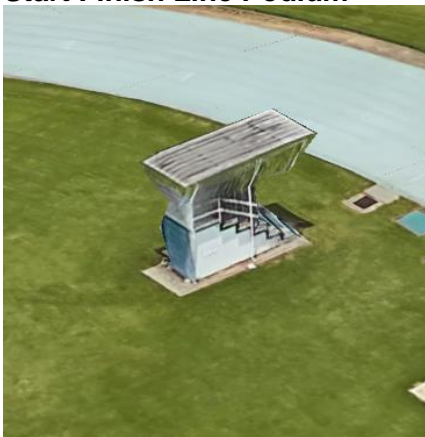
**Field House #1**



**Field House #2**



**Start Finish Line Podium**



**B. Damage #155588; UPR Mayagüez Edificio 054 Administración de Empresas**

The Administracion de Empresas building is about 143,723 SF, 5-story educational facility that was built in 2006 (16 years). The building is a cast-in-place reinforced concrete structure with varying degrees of parapets and overhangs. The roof is reinforced concrete covered with a bituminous built-up roof (BUR) system. The interior includes reinforced CMU wall partitions and reinforced concrete load bearing walls. Interior finishes generally consist of suspended acoustic ceiling, plastered and painted walls, with ceramic and vinyl composition tile (VCT) flooring.



**C. Damage #155623; UPR Mayagüez Edificio 859 Laboratorio de Farmacéutica**

The Laboratorio de Farmacéutica building is about 5,520 SF, one story structure, built about 20 years ago. The building is a cast-in-place, reinforced concrete structure with a reinforced concrete roof, covered with bituminous built-up roofing system. The interior includes reinforced concrete bearing walls, concrete support columns and a slab on grade reinforced concrete floor. Interior finishes generally consist of suspended acoustic ceiling, painted concrete or drywall, and VCT, ceramic tile.



**D. Damage #155625; UPR Mayagüez Edificio 861 Edificio de Ráquetball**

The racquetball building is about 7,858 SF, one story structure built in 2010 (12 years). The building is a cast in place reinforced concrete structure with a corrugated sheet metal over steel trusses and girders. The roof is covered with a bituminous built-up roofing system. The interior finishes generally consist of suspended acoustic ceiling, painted concrete or drywall, ceramic floor tile, and wood floors.



**E. Damage #155626; UPR Mayagüez Edificio 862 Residencia Biaggi (Archivo Histórico)**

The Residencia Biaggi building is about 1,216 SF, one story house, converted into an archive for historic documents. This structure is over 60 years of being built. This building is a cast-in-place reinforced concrete structure with two-foot roof overhang on three of its sides and one overhang, below roof elevation, on the east side. The roof membrane is composed of an elastomeric coating. The interior finishes generally consist of painted concrete ceiling, painted concrete walls and ceramic floor tile.



**F. Damage #220860; UPR Mayagüez Edificio 040 I Casa Solar**

The Casa Solar is a wood frame structural building, built in 2006 (16 years). It is about 786 SF, one-story structure with galvalume metal panels and 3 FT x 5 FT solar panel arrays on top. The interior finishes of the walls together with the ceiling consist of painted wooden boards and the floor finish is made of organic linoleum tiles. This structure is an experimental home that runs on solar powered energy.



**G. Damage #252193; UPR Mayagüez Edificio 053 Centro de Cuidado Diurno**

The Centro de Cuidado Diurno building is about 7,094 SF, one story structure built in 2001 (21 years) and is used as a day care facility. The building is a cast-in-place, reinforced concrete structure with a section of the facility's roof being of reinforced concrete and another of steel joists covered with a metal deck. Both sections have a bituminous built-up roofing system and elastomeric coating. The interior finishes consist of painted concrete ceiling and painted concrete masonry or drywall partitions.



**H. Damage #252499; UPR Mayagüez Edificio 023 Guardia Universitaria**

The UPR Guardia Universitaria at Mayaguez campus is a group of 6 aluminum modular trailers (wagons) that were set up around 2000 (22 years old); four of the units are joined together by an 8 FT covered hallway; units 5 and 6 are set end to end. The units are 12 FT x 40 FT, with a footprint of 6,127 SF, and are equipped with ADA wooden ramps for access. They are elevated approximately 3 FT using wood blocks. The roof is composed of aluminum sheet metal. The interior finishes generally consist of suspended acoustic ceiling and a wood sub-floor covered with vinyl floor tile. The walls are generally vinyl covered drywall. The building is ADA accessible.



**IV. SCOPE OF WORK- FEMA**

**A. Damage #155563; UPR Mayagüez Edificio 033 Pista Atlética  
{00-001} Field House #1 (30 FT x 40 FT):**

<b>Surfaces</b> A. Prepare and paint 600 SF of building exterior surfaces
--

<b>406 HMP Scope</b> 1. Apply 600 SF of protective paint coating. This mitigation measure is intended to reduce moisture through masonry walls, preventing similar damages to the exterior paint and interior water damages.
---

<b>Openings</b> A. Remove and replace window frame seals, 48 FT long B. Remove and replace 1 each of jalousie glass  C. Remove and replace 1 each of steel sheet metal door, 3 FT long x 7 FT wide
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**Ceilings**

- A. Remove and replace 2 each of light, metal halide lamp, wall mount, 400W
- B. Remove and replace 1 each of light 1 FT x 4 FT fluorescent, 4 tube

**Bipartisan Budget Act**

**Lighting Controls BBA Work required:** Install two (2) ceiling mounted occupancy sensors one (1) per each 600 SF of room area - damaged lighting is functional dependent on sensor to meet code requirement. Depending on the room sizes, several occupancy sensors will be necessary to operate lighting fixture system. The sensor shall be positioned in the ceiling, room area for best functionality. New conduit and corresponding wiring will be necessary for sensor installation. Consider conduit installation to nearest lighting system junction box and wiring of sensor to existing circuit. Considering a minimum of 20ft of EMT conduit and 60ft of existing gauge electrical copper wire (minimum allowable: THWN #12 stranded copper wire). If the corresponding circuit wiring is not accessible, consider conduit and corresponding wiring to the nearest lighting panel board.

**Walls**

- A. Remove and replace 350 SF of wood siding panels

**{00-001} Field House #2:**

**Roof system**

- A. Remove and replace 500 SF of corrugated metal deck

**406 HMP Scope**

- 1. To prevent future similar damages to the metal paneled roof, the Applicant intends to use Install additional 500 S.F of fasteners to improve upon roofing fastener pattern.

**{00-003} Start/ Finish Line Podium (8 FT x 20 FT):**

**Surfaces**

- A. Prepare and paint 560 SF of building exterior surfaces

**406 HMP Scope**

Apply 560 SF of protective paint coating. This mitigation measure is intended to reduce moisture through masonry walls, preventing similar damages to the exterior paint and interior water damages

**Roof System**

- A. Remove and replace 160 SF of corrugated metal sheets over metal structure

**406 HMP Scope**

- 1. To prevent future similar damages to the metal paneled roof, the Applicant intends to use Install additional 160

S.F of fasteners to improve upon roofing fastener pattern.

**General field area:**

**Poles**

A. Remove and replace 1 each of poles, aluminum 20 FT

**Fences**

A. Remove and replace 1 each of Shot-Put Cage chain link fence, 8 FT long x 4 FT high

**B. Damage #155588; UPR Mayaguez Edificio 054 Administración de Empresas**

**Surfaces**

{00-001} General:

A. Prepare and paint 70,030 SF of building exterior surfaces

{00-003} General:

A. Prepare and paint 48,650 SF of building interior surfaces

**406 Hazard Mitigation**

Apply 70,030 S.F of protective paint coating. This mitigation measure is intended to reduce moisture through masonry walls, preventing similar damages to the exterior paint and interior water damages

**Roofing System**

A. Remove and replace 32,400 SF of rolled BUR membrane, 1 ply (**Roof area is 38,870 SF**)

**406 Hazard Mitigation**

1. Apply 32400 S.F of additional membrane will help to absorb energy from flying debris and protect roof membranes below, helping to mitigate damage to the roof and interior damages from water infiltration (**Roof area is 38,870 SF**)
2. Install 370 L.F cap flashing along the parapet wall will help to prevent the roof membrane from being displaced. This will mitigate damages to the roof as well as subsequent damages to the interior from water infiltration.
3. Install 370 L.F Termination Bar or "Peel-Stop" Bar will help to prevent the roof membrane from being displaced. This will mitigate damages to the roof as well as subsequent damages to the interior from water infiltration.

**Mechanical**

{00-003} General

- A. Remove and replace 1 each of McQuay/CAH035FDAC Air handle unit (AHU-2)

**Bipartisan Budget Act**

**HVAC BBA Work required:** For estimating purposes, install outside air compliant direct expansion (DX) A/C units in place of all items described in disaster related damages components of HVAC system described above for capacity to meet air exchange standard. For enclosing of Air Handling Unit (AHU), construct a mechanical closet made of insulated gypsum board walls (3 sides) and a minimum 1hr fire rated hollow metal door to install necessary AHU with DX compatible coil and corresponding appurtenances such as: support base, Louver for fresh air w/ damper, supply register w/ opposed blade damper, galvanized ductwork, return air side louver, drainage piping, thermostat, 1/2" EMT conduit for thermostat control, insulated DX piping and communication cable to connect to condensing unit (CU). DR-4339-PR – BBA Scope Survey Template Project Number: 91141 Page 7 of 11 Project Title: MUPR107 Mayaguez NH Group 01 d. Electric Power BBA Work required: In addition to the interior work, exterior rooftop installation (where possible) of the condensing unit will be necessary to complete the refrigeration system needing: connection of DX piping from interior (approx. 30 Ft. run) Air Handling Unit (AHU), 3#18 control cable from AHU, 5/16" clear coated galvanized two-way tie down wires. For the electrical scope both units need dedicated circuits directly from the panelboard, consider the following: 1) AHU - route new branch circuit from panelboard with 3#10 THWN copper wire in 3/4" EMT including disconnecting means (equal or similar to a 30amp Safety switch) with flexible conduit to power the unit and 2) CU – route new branch circuit from panelboard w/ 3#8 THWN copper wire in 3/4" EMT for interior and RGC when exposed to exterior and/or to impact, including disconnecting means (equal or similar to a 30amp Safety Switch) with flexible conduit to power the unit. Please account for the demolition for penetrations as well as the necessary masonry. 3) Damage #155623; UPR Mayaguez Edificio 859 Lab

**Ceiling**

{01-004} Fourth Floor Room Plan 438 Women restroom (12 FT x 16 FT):

- A. Remove and replace 2 each of light, 2 FT x 4 FT fluorescent, 4 tube

{01-004} Fourth Floor Room Plan 438 Women restroom (12 FT x 16 FT):

- A. Remove and replace 6 SF of ceiling, 5/8 IN thick drywall

{01-005} Fourth Floor Hallway 4th floor (10 FT x 260 FT):

- A. Repair 8 SF of ceiling, 1/4 IN thick plaster
- B. Remove and replace 3 each of light, 2 FT x 4 FT fluorescent 4 tube

{01-006} Fourth Floor Room 407 (29 FT x 29 FT):

- A. Remove and replace 20 SF of ceiling, 2 FT x 2 FT acoustical tile

{01-008} Fourth Floor Room 405 (29 FT x 29 FT):



A. Repair 4 SF of ceiling, 1/4 IN thick plaster

{02-011} Third Floor Room 350 (15 FT x 29 FT):

A. Remove and replace 72 SF of ceiling, 2 FT x 2 FT acoustical tile

B. Remove and replace 4 each of light, 2 FT x 4 FT fluorescent, 4 tube

{02-016} Third Floor Room 335 Women Restroom (13 FT x 25 FT):

A. Remove and replace 325 SF of ceiling, 5/8 thick drywall

{02-016} Third Floor Room 335 Women Restroom (9 FT x 9 FT):

A. Remove and replace 12 SF of ceiling, 2 FT x 2 FT acoustic tile

{02-017} Third Floor Room 337 (29 FT x 32 FT):

A. Remove and replace 1 each of light, 2 FT x 4 FT fluorescent, 2 tube

B. Remove and replace 12 SF of suspended acoustic tile 2 FT x 2 FT

{02-018} Third Floor Room 338 (29 FT x 32 FT):

A. Remove and replace 16 SF of ceiling, 2 FT x 2 FT acoustic tiles

B. Remove and replace 10 SF of ceiling, 4 FT x 8 FT drywall, 5/8 IN thick

{02-019} Third Floor Room 339 (29 FT x 32 FT):

A. Remove and replace 16 SF of ceiling, 2 FT x 2 FT acoustic tiles

{02-020} Third Floor Room 340 (29 FT x 32 FT):

A. Remove and replace 4 SF of ceiling, 2 FT x 2 FT acoustic tile

B. Remove and replace 96 SF of ceiling, 4 FT x 8 FT drywall, 5/8 IN thick

C. Remove and replace 2 each of light, 2 FT x 4 FT fluorescent, 2 tube

{03-021} Second Floor Room 252 (16 FT x 29 FT):

A. Remove and replace 464 SF of ceiling, 2 FT x 2 FT acoustic tile

B. Remove and replace 2 each of light, 2 FT x 4 FT fluorescent, 4 tube

{03-023} Second Floor Room 226 Men restroom (13 FT x 25 FT):

A. Remove and replace 156 SF of ceiling, 5/8 IN thick drywall

B. Remove and replace 16 SF of ceiling, 2 FT x 2 FT acoustic tile

C. Remove and replace 2 each of light, 2 FT x 4 FT fluorescent, 4 tube

{03-024} Second Floor Room 229 Women restroom (13 FT x 25 FT):

A. Remove and replace 16 SF of ceiling, 5/8 IN thick drywall

{03-026} Second Floor Room 236 (30 FT x 40 FT):

A. Remove and replace 36 SF of ceiling, 2 FT x 2 FT acoustic tile

B. Remove and replace 2 each of light, 2 FT x 2 FT, fluorescent, 2 tube

{03-027} Second Floor Room 237 (36 FT x 40 FT):

A. Remove and replace 8 SF of ceiling, 2 FT x 2 FT acoustic tile

{03-028} Second Floor Room 242 (28 FT x 56 FT):

A. Remove and replace 12 SF of ceiling, 2 FT x 2 FT acoustic tile

{03-029} Second Floor Room 248 Computer Switch Room (4 FT x 9 FT):

A. Remove and replace 24 SF of ceiling, 2 FT x 2 FT acoustic tile

B. Remove and replace 4 each of light, fluorescent 2 FT x 4 FT, 4 tube

{05-030} First Floor Room 102 Computer room (29 FT x 40 FT):

A. Remove and replace 40 SF of ceiling, 2 FT x 2 FT acoustic tile

{05-031} First Floor Room 103 Computer room (29 FT x 40 FT):

A. Remove and replace 8 SF of ceiling, 2 FT x 2 FT acoustic tile

{05-032} First Floor Room 104 Computer room (29 FT x 40 FT):

A. Remove and replace 8 SF of ceiling, 2 FT x 2 FT acoustic tile

{05-033} First Floor Room 112 Computer center (58 FT x 80 FT):

A. Remove and replace 2,880 SF of ceiling, 2 FT x 2 FT acoustic tile

{05-035} First Floor Room 117 (13 FT x 25 FT):

A. Remove and replace 16 SF of ceiling, 5/8 IN thick drywall

{05-046} First Floor Room 165 (16 FT x 24 FT):

A. Remove and replace 384 SF of ceiling, 5/8 IN thick drywall

{06-055} Ground floor Hallway (10FT x 260FT):

A. Remove and replace 32 SF of ceiling, 5/8 IN thick drywall

{06-056} Ground floor Room 016 Women restroom (13 FT x 25 FT):

A. Remove and replace 8 SF of ceiling, 2 FT x 2 FT acoustic tiles

B. Remove and replace 325 SF of ceiling, 5/8 IN thick drywall

{06-058} Ground floor Room 21 (10 FT x 12 FT):

A. Remove and replace 4 SF of ceiling, 2 FT x 2 FT acoustic tiles

{06-062} Ground floor Curved hallway (10 FT x 260 FT):

A. Remove and replace 4 SF of ceiling, 5/8 IN thick drywall

### 406 Hazard Mitigation

1. Replace 1,727 S.F. of gypsum wallboard on walls and ceilings with water resistant wall boards to prevent water damage and mold growth from water intrusion.
2. Replace 3,656 S.F acoustical drop ceiling tiles with water/mold resistant version. Weather proofing tiles, additional cost.

### Bipartisan Budget Act

**Lighting Controls BBA Work required:** Install eleven (11) ceiling mounted occupancy sensors one (1) per each 600 SF of room area - damaged lighting is functional dependent on sensor to meet code requirement. Depending on the room sizes, several occupancy sensors will be necessary to operate lighting fixture system. The sensor shall be positioned in the ceiling, room area for best functionality. New conduit and corresponding wiring will be necessary for sensor installation. Consider conduit installation to nearest lighting system junction box and wiring of sensor to existing circuit. Considering a minimum of 20ft of EMT conduit and 60ft of existing gauge electrical copper wire (minimum allowable: THWN #12 stranded copper wire). If the corresponding circuit wiring is not accessible, consider conduit and corresponding wiring to the nearest lighting panel board.

### Safety Devices

{01-005} Fourth Floor Hallway 4th floor (10 FT x 260 FT):

- A. Remove and replace 2 each of exit sign, 7.5 IN x 11.6 IN, 120 volt

{05-052} First Floor Curved hallway (260 FT x 10 FT):

- A. Remove and replace 6 SF of fire hose cabinet, glazing

### Openings

{03-022} Second Floor Room 203B (28 FT x 36 FT):

- A. Remove and replace 576 SF of partition, accordion folded, acrylic sided, 2 sets x 9 EA x 2 IN thick x 4 FT x 8 FT panels

### Floors

05-044} First Floor Room 162 (10 FT x 12 FT):

- A. Remove and replace base, 4 IN vinyl, 44 LF long
- B. Remove and replace base, 120 SF of floor, VCT 12 IN x 12 IN

{06-054} Ground floor Room 010A (8 FT x 24 FT):

- A. Remove and replace base, 4 IN vinyl, 64 LF long
- B. Remove and replace 192 SF of floor, VCT, 12 IN x 12 IN

{06-059} Ground floor Room 025 (10 FT x 12 FT):

- A. Remove and replace base, 4 IN vinyl, 44 LF long
- B. Remove and replace base, 120 SF of floor, VCT, 12 IN x12 IN
- C.

#### **406 Hazard Mitigation**

For the three rooms

- A. Install 432 S.F of adhesive for VCT flooring and wall base with a waterproof adhesive.

### **C. Damage #155623; UPR Mayagüez Edificio 859 Laboratorio de Farmacéutica**

#### **Roofing System**

- A. Remove and replace in-kind 5,520 SF of bituminous built-up roof system
- B. Remove and replace in-kind 1,036 SF of roof, flashing, 24 gauge

**(Roof area is 6,320 SF)**

#### **406 Hazard Mitigation**

1. Apply 5,520 S.F of additional membrane will help to absorb energy from flying debris and protect roof membranes below, helping to mitigate damage to the roof and interior damages from water infiltration. **(Roof area is 6,320 SF)**
2. Install 335 L.F cap flashing along the parapet wall will help to prevent the roof membrane from being displaced. This will mitigate damages to the roof as well as subsequent damages to the interior from water infiltration.
3. Install 335 L.F Termination Bar or "Peel-Stop" Bar will help to prevent the roof membrane from being displaced. This will mitigate damages to the roof as well as subsequent damages to the interior from water infiltration.

#### **Surfaces**

{00-001} General:

Prepare and paint in-kind 3,543 SF of building exterior surfaces

{00-003} General:

A. Prepare and paint in-kind 5,315 SF of interior surfaces

{00-012} Room 1st. Floor Hallway (7 FT x 60 FT):

A. Prepare and paint in-kind 200 SF of wall, concrete surfacing

#### **406 Hazard Mitigation**

4. Apply 3,543 S.F of protective paint coating. This mitigation measure is intended to reduce moisture through masonry walls, preventing similar damages to the exterior paint and interior water damages.

#### **Openings**

A. Remove and replace in-kind window, reseal 1.5 FT x 6 FT (3), 45 LF long

B. Remove and replace in-kind window, reseal 3 FT x 5 FT, (2), 32 LF long

C. Remove and replace in-kind window, reseal 2 FT x 6 FT, (3), 36 LF long

#### **Exterior Lights**

A. Remove and replace in-kind 1 each of light, surface mount, MH, 150

#### **Ceiling**

{00-005} Room 101A Professor's Office (Oficina Profesor) (12 FT x 13 FT):

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

{00-006} Room 103 Classroom (Salon de Catedra) (25 FT x 28 FT):

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

{00-007} Room 110 Janitor's Closet (Cobacha Conserje) (4 FT x 7 FT):

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

{00-008} Room 107 Research Lab. (Laboratorio Investigacion) (25 FT x 35 FT):

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

{00-009} Room 107A Equipment Storage Room (Almacen equipo) (4 FT x 7 FT):

A. Remove and replace in-kind 8 SF of ceiling, 5/8 IN thick drywall

{00-010} Room 102 Research Lab. (Laboratorio Investigacion) (23 FT x 73 FT):

A. Remove and replace in-kind 40 SF of ceiling, 1 FT x 4 FT acoustic tile

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

{00-011} Room 109 Academic Storage Room (Almacen USO Academico) (6 FT x 17 FT):

A. Remove and replace in-kind 16 SF of ceiling, 1 FT x 4 FT acoustic tile

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

{00-013} Room 002 Machine Room (Instalaciones de Maquina) (18 FT x 23 FT):

A. Remove and replace in-kind 4 each of light, 1 FT x 4 FT fluorescent, 2 tubes

#### **406 Hazard Mitigation**

1. Replace 108 S.F acoustical drop ceiling tiles with water/mold resistant version. Weather proofing tiles, additional cost.
2. Replace 8 S.F. of gypsum wallboard on walls and ceilings with water resistant wall boards to prevent water damage and mold growth from water intrusion.

#### **D. Damage #155625; UPR Mayaguez Edificio 861 Edificio de Ráquetball**

#### **General Exterior**

A. Remove and replace 1 each of louvered grill, 3 FT x 6 FT ALU

B. Remove and replace 2 each of electrical, 2 IN x 4 IN double duplex receptacle cover

#### **Roofing System**

A. Remove and replace 7,858 SF of BUR membrane 1 ply (Roof area 8,034 SF)

B. Remove and replace 7,858 SF of polyisocyanurate board

#### **406 Hazard Mitigation**

1. Apply 7,858 S.F of additional membrane will help to absorb energy from flying debris and protect roof membranes below, helping to mitigate damage to the roof and interior damages from water infiltration. (Roof area 8,034 SF)
2. . Install 362 L.F cap flashing along the parapet wall will help to prevent the roof membrane from being displaced. This will mitigate damages to the roof as well as subsequent damages to the interior from water infiltration.
3. Install 362 L.F Termination Bar or "Peel-Stop" Bar will help to prevent the roof membrane from being displaced. This will mitigate damages to the roof as well as subsequent damages to the interior from water

infiltration.

**Ceiling**

{01-004} First Floor Rm101 Girls Bathroom (11 FT x 11 FT) + (11 FT x 17 FT):

A. Remove and replace 28 SF of ceiling, 2 FT x 2 FT acoustic tile

{01-005} First Floor Rm103 Bathroom (7 FT x 14 FT):

A. Remove and replace 8 SF of ceiling, 2 FT x 2 FT acoustic tile

{01-006} First Floor Rm104 Boys Bathroom (7 FT x 10 FT) + (11 FT x 16 FT) + (10 FT x 11 FT):

A. Remove and replace 20 SF of ceiling, 2 FT x 2 FT acoustic tile

B. Remove and replace 1 each of light, 2 FT x 4 FT fluorescent, 4 tube

01-008} First Floor Hallway A (5 FT x 44 FT):

A. Remove and replace 60 SF of ceiling, 2 FT x 2 FT acoustic tile

{01-009} First Floor RACQ PS2 Hallway (11 FT x 5 FT) + (5 FT x 14 FT):

A. Remove and replace 12 SF of ceiling, 2 FT x 2 FT acoustic tile

**406 Hazard Mitigation**

A. Replace 128 S.F acoustical drop ceiling tiles with water/mold resistant version. Weather proofing tiles, additional cost

**Bipartisan Budget Act**

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

**E. Damage #155626; UPR Mayagüez Edificio 862 Residencia Biaggi (Archivo Histórico)**

**Roofing System**

- A. Remove and replace 1,360 SF of elastomeric coating over concrete  
**(Roof area is 1,240)**

**406 Hazard Mitigation**

1. Apply 1,360 S.F of additional membrane will help to absorb energy from flying debris and protect roof membranes below, helping to mitigate damage to the roof and interior damages from water infiltration.  
**(Roof area is 1,240)**
2. . Install 140 L.F cap flashing along the parapet wall will help to prevent the roof membrane from being displaced. This will mitigate damages to the roof as well as subsequent damages to the interior from water infiltration.
3. Install 140 L.F Termination Bar or "Peel-Stop" Bar will help to prevent the roof membrane from being displaced. This will mitigate damages to the roof as well as subsequent damages to the interior from water infiltration.

**Surfaces**

- A. Prepare and paint 350 SF of building exterior surfaces

**406 Hazard Mitigation**

2. Apply 350SF of protective paint coating. This mitigation measure is intended to reduce moisture through masonry walls, preventing similar damages to the exterior paint and interior water damages.

**Ceiling**

- A. Prepare and paint 1,216 SF of ceiling, concrete, interior surface

**F. Damage #220860; UPR Mayagüez Edificio 040 I Casa Solar**

**Surfaces**

{00-001} General:

- A. Prepare and paint 700 SF of building exterior surfaces

**406 Hazard Mitigation**

1. Apply 700 S.F of protective paint coating. This mitigation measure is intended to reduce moisture through masonry walls, preventing similar damages to the exterior paint and interior water damages.

**Floors**

{00-003} Room 100 Living Room (14 FT x 25 FT):



A. Remove and replace 350 SF of 12 IN x 12 IN, vinyl cover base and linoleum flooring

**406 Hazard Mitigation**

1. Install 350 S.F of adhesive for VCT flooring and wall base with a waterproof adhesive.

**Ceilings**

{00-003} Room 100 Living Room (14 FT x 25 FT):

A. Remove and replace 350 SF of ceiling, 1/4 IN thick plywood board

{00-004} Room 108 Dormitory (10 FT x 10 FT):

A. Remove and replace 100 SF of ceiling, 1/4 IN thick plywood board

**G. Damage #252193; UPR Mayagüez Edificio 053 Centro de Cuidado Diurno**

**Roofing System**

A. Remove and replace 7,094 SF of BUR membrane (**Roof area is 7,792 SF**)

**406 Hazard Mitigation**

1. Apply 7094 S.F of additional membrane will help to absorb energy from flying debris and protect roof membranes below, helping to mitigate damage to the roof and interior damages from water infiltration(**Roof area is 7,792 SF**)
2. Install 511 L.F cap flashing along the parapet wall will help to prevent the roof membrane from being displaced. This will mitigate damages to the roof as well as subsequent damages to the interior from water infiltration.
3. Install 511 L.F Termination Bar or "Peel-Stop" Bar will help to prevent the roof membrane from being displaced. This will mitigate damages to the roof as well as subsequent damages to the interior from water infiltration.

**Surfaces**

{00-001} General:

A. Prepare and paint 6,643 SF of building exterior surfaces

{00-003} General:

A. Prepare and paint 7,094 SF of building interior surfaces

**Exterior lights**

A. Remove and replace 8 each of light, wall pack, 150W HPS

## H. Damage 252499; UPR Mayagüez Edificio 023 Guardia Universitaria

### Roofing System

A. Remove and replace 6,127 SF of flat aluminum sheeting (**Roof area is 3,400 SF**)

### 406 Hazard Mitigation

1. To prevent future similar damages to the metal paneled roof, the Applicant intends to use Install additional 6127 S.F of fasteners to improve upon roofing fastener pattern. (**Roof area is 3,400 SF**)

### Ceiling

{00-004} Hallway (8 FT x 80 FT):

- A. Remove and replace 4 each of light, 2 FT x 4 FT fluorescent, 2 tube

{00-006} Room 101A (11 FT x 15 FT):

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

{00-009} Room 100B (6 FT x 11 FT):

- A. Remove and replace 8 SF of ceiling, 2 FT x 2 FT acoustic tile

{00-013} Room 104 Kitchen (12 FT x 17 FT):

- A. Remove and replace 24 SF of ceiling, 2 FT x 2 FT acoustic tile

{00-015} Room 104 Locker (10 FT x 12 FT):

- A. Remove and replace 16 SF of ceiling, 2 FT x 2 FT acoustic tile
- B. Remove and replace 1 each of light, 2 FT x 4 FT fluorescent, 2 tube

{00-021} Room 105B Men's Restroom (6 FT x 8 FT):

- A. Remove and replace 48 SF of ceiling, 2 FT x 2 FT acoustic tile
- B. Remove and replace 1 each of exhaust fan, 12 IN x 12 IN

{00-022} Room 106 Janitor's closet (5 FT x 5 FT):

- A. Remove and replace 1 each of light, 2 FT x 2 FT fluorescent, 2 tube

{00-023} Room 107 Storage (10 FT x 12 FT):

- A. Remove and replace 24 SF of ceiling, 2 FT x 2 FT acoustic tile

### 406 HMP Scope

1. Replace 144 S.F acoustical drop ceiling tiles with water/mold resistant version. Weather proofing tiles, additional cost.

### **Bipartisan Budget Act**

Lighting Controls BBA Work required: Install two (2) ceiling mounted occupancy sensors one (1) per each 600 SF of room area - damaged lighting is functional dependent on sensor to meet code requirement. Depending on the room sizes, several occupancy sensors will be necessary to operate lighting fixture system. The sensor shall be positioned in the ceiling, room area for best functionality. New conduit and corresponding wiring will be necessary for sensor installation. Consider conduit installation to nearest lighting system junction box and wiring of sensor to existing circuit. Considering a minimum of 20ft of EMT conduit and 60ft of existing gauge electrical copper wire (minimum allowable: THWN #12 stranded copper wire). If the corresponding circuit wiring is not accessible, consider conduit and corresponding wiring to the nearest lighting panel board.

### **Floors**

{00-004} Hallway (8 FT x 80 FT):

- A. Remove and replace base, 12 IN, wood, 176 LF long
- B. Remove and replace 640 SF of floor, 1/2 IN plywood

{00-009} Room 100B (6 FT x 11 FT):

- A. Remove and replace base, 4 IN vinyl, 34 LF long
- B. Remove and replace 36 SF of floor, VCT, 12 IN x 12 IN

{00-013} Room 104 Kitchen (12 FT x 17 FT):

- B. Remove and replace 36 SF of VCT, 12 FT x 12 FT

{00-018} Room 105A Men Locker Room (15 FT x 18 FT):

- A. Remove and replace 270 SF of floor, 1/2 IN plywood, sub-floor
- B. Remove and replace base, 4 IN vinyl, 66 LF long
- C. Remove and replace 270 SF of floor, VCT, 12 IN x 12 IN

{00-020} Room 105A2 Locker Room (6 FT x 10 FT):

- A. Remove and replace base, 4 IN vinyl, 32 LF long
- B. Remove and replace 60 SF of floor, VCT, 12 IN x 12 IN

### **406 Hazard Mitigation**

1. Install 402 S.F of adhesive for VCT flooring and wall base with a waterproof adhesive.

### **Surfaces**

{00-003} General:

1. Prepare and paint 4,250 SF of building interior surfaces

### **Mechanical**

{00-018} Room 105A Men Locker Room (15 FT x 18 FT):

- A. Remove and replace 2 each of AC window unit, 18000 BTU

{00-019} Room 105A Showers (5FT x 7 FT):

- A. Remove and replace 1 each of AC window unit of 18,000 BTU

### **Bipartisan Budget Act**

HVAC BBA Work required: For estimating purposes, install outside air compliant direct expansion (DX) A/C units as detailed below, in place of all items described in disaster related damages components of HVAC system described above for capacity to meet air exchange standard. For enclosing of Air Handling Unit (AHU), construct a mechanical closet made of insulated gypsum board walls (3 sides) and a minimum 1hr fire rated hollow metal door to install necessary AHU with DX compatible coil and corresponding appurtenances such as: support base, Louver for fresh air w/ damper, supply register w/ opposed blade damper, galvanized ductwork, return air side louver, drainage piping, thermostat, 1/2" EMT conduit for thermostat control, insulated DX piping and communication cable to connect to condensing unit (CU).  
d. Electric Power BBA Work required: In addition to the interior work, exterior rooftop installation (where possible) of the condensing unit will be necessary to complete the refrigeration system needing: connection of DX piping from interior (approx. 30 Ft. run) Air Handling Unit (AHU), 3#18 control cable from AHU, 5/16" clear coated galvanized two-way tie down wires. For the electrical scope both units need dedicated circuits directly from the panelboard, consider the following: 1) AHU - route new branch circuit from panelboard with 3#10 THWN copper wire in 3/4" EMT including disconnecting means (equal or similar to a 30amp Safety switch) with flexible conduit to power the unit and 2) CU – route new branch circuit from panelboard w/ 3#8 THWN copper wire in 3/4" EMT for interior and RGC when exposed to exterior and/or to impact, including disconnecting means (equal or similar to a 30amp Safety Switch) with flexible conduit to power the unit. Please account for the demolition for penetrations as well as the necessary masonry.

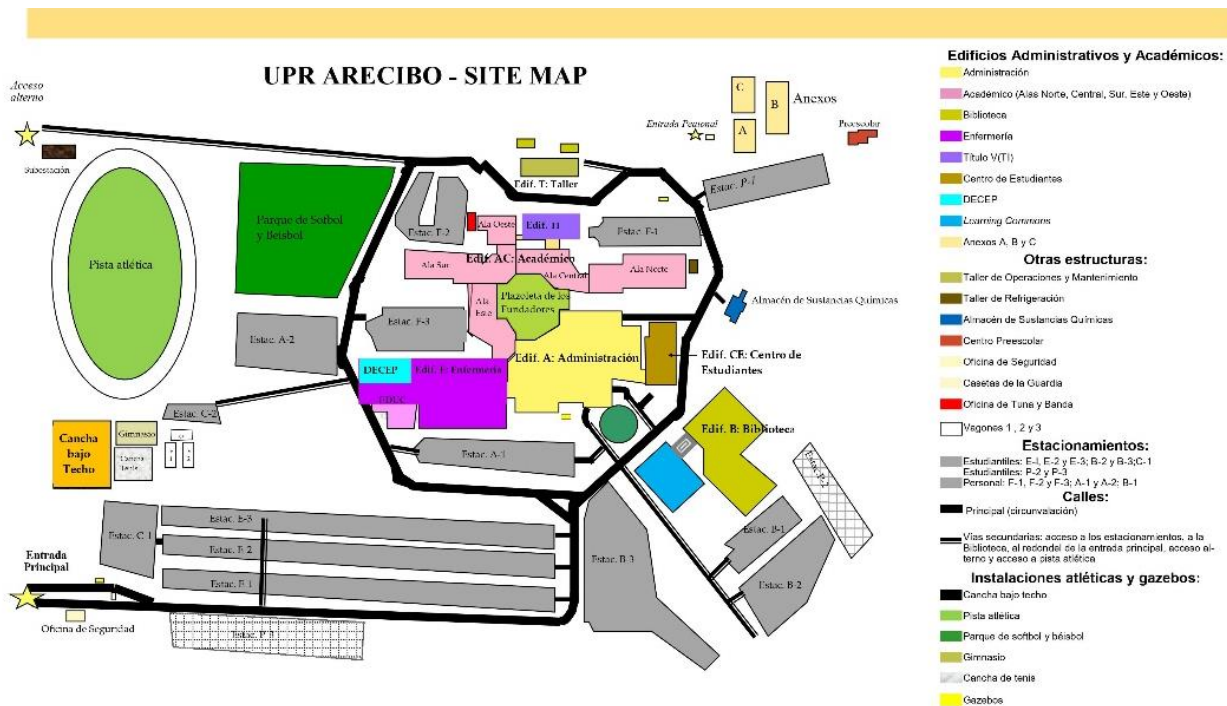
# 8239 – University of Puerto Rico at Arecibo

## V. GENERAL DATA OF THE PROJECT:

Campus: UPR Arecibo

DI's	148246	Edificio Central 005
	195236	Edificio Ala Este 021
	195237	Edificio Ala Norte 022
	195239	Edificio Ala Central 024
	195247	Almacén de refrigeración 033

## VI. CAMPUS LOCATION PLAN:



## VII. GENERAL DESCRIPTION:

### A. Damage #148246; UPR Arecibo Building 005 Edificio Central

The UPR Arecibo Building 005, Central Building, is a 73,560 SF (approximate), 3 story office building that was constructed in 1972 (approximate) (45 years old). The building is a site cast, reinforced concrete with a reinforced concrete roof with a bituminous built-up roof system. The interior includes reinforced concrete walls with a reinforced concrete floor slab on grade. Interior finishes generally consist of suspended acoustic ceiling, concrete or drywall, and carpet,

ceramic, and vinyl floor tile. The building has Administrative and Academic offices, the Business Administration and Communication Departments, Cafeteria, Radio and Television Studios and Laboratories, Classrooms, and Theater.



**B. Damage #195236; UPR Arecibo Building 021 Ala Este**

Site cast, reinforced concrete building with a reinforced concrete roof with a bitumen membrane with granular surface. 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.



**C. Damage #195237; UPR Arcibo Building 022 Ala Norte**

The UPR Arcibo Edificio 022 Edificio Ala Norte building is a 19,031 SF(approximate), 2 story classroom building that was constructed in 1972(approximate) (45 years old). North wing building is two story concrete building with built-up roof members. There are two staircases on both north and south side of the building with long L-shape walk hallway on both floors. The interior includes reinforced concrete bearing walls with a reinforced concrete floor slab on grade. Interior finishes with painted concrete ceiling on first floor, painted thick plaster on second floor and ceramic tile floor.



**D. Damage #195239; UPR Arcibo Building 024 Ala Central**

Initials \_\_\_\_\_

The UPR Arcibo Edificio 024 Edificio Ala Central building is a 17,700 SF(approximate), 3 story office building that was constructed in 1972(approximate) (45 years old). The building is a site cast, reinforced concrete building with a reinforced concrete roof with both a bituminous built-up roof (27%) and a BUR membrane roof (73%) and has 3 floors. 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.



**E. Damage #195247; UPR Arcibo Building 033 Almacén de Refrigeración**

The UPR Arcibo Edificio 033 Almacén de Refrigeración building is a 1,243 SF(approximate), 1 story, Refrigeration Storage building that was constructed in 1974(approximate) and is (approximate 44 years old). It is a one story, reinforced concrete building with a ribbed metal channels roof system with steel deck. The interior includes reinforced concrete bearing walls with a reinforced concrete floor slab on grade. Interior finishes generally consist of painted concrete and concrete floor.





## VIII. SCOPE OF WORK- FEMA

### A. Damage #148246; UPR Arecibo Building 005 Edificio Central

#### **Public Assistance Scope of Work**

{00-001} General:

- A. Prepare and paint with in-kind material, design, color, hardware and workmanship, 30,970 SF of building exterior, 2 coats.
- B. Prepare and paint with in-kind material, design, color, hardware and workmanship, 100 SF of concrete ceiling at exterior, 2 coats.
- C. Remove and replace with in-kind material, design, color, hardware and workmanship, ceiling, expansion joint plate 6 IN, 13 LF long.
- D. Remove and replace with in-kind material, design, color, hardware and workmanship, 5 EA of 1 FT x 1 FT exterior fluorescent light fixture, 1 tube, surface mount.
- E. Remove and replace with in-kind material, design, color, hardware and workmanship, 5 EA of metal halide exterior light fixture, wall mount, 400 W.
- F. Remove and replace with in-kind material, design, color, hardware and workmanship, 10 EA of exterior metal halide light fixture, surface mount, 400W.
- G. Remove and replace with in-kind material, design, color, hardware and workmanship, 2 EA of wall, electrical junction box 1x1 FT.
- H. Remove and replace with in-kind material, design, color, hardware and workmanship, 3 each of window, glass 2 FT x 3 FT.
- I. Remove and replace with in-kind material, design, color, hardware and workmanship, 3 each of window, glass 2 FT x 3 FT.
- J. Remove and replace with in-kind material, design, color, hardware and workmanship, 10 each of window, glass 2 FT x 3 FT.
- K. Remove and replace with in-kind material, design, color, hardware and workmanship, 5 each of window, glass 6 FT x 8 FT.

{00-002} Roofing System:

- A. Remove and replace with in-kind material, design, color, hardware and workmanship, 36,169 SF of waterproof BUR membrane, 4ply
- B. Replace with in-kind material, design, color, hardware and workmanship, 20 each of drain, 12 IN metal strainer.
- C. Repair with in-kind material, design, color, hardware and workmanship, 150 SF of wall cracks in concrete parapet.
- D. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of exhaust Port, 12 IN x 12 IN, unsealed.

Initials \_\_\_\_\_

E. Remove and replace with in-kind material, design, color, hardware and workmanship, 3 each of exhaust Port, 15 IN x 15 IN.

F. Remove and replace with in-kind material, design, color, hardware and workmanship, 2 each of vent, 12 IN x 12 IN duct, 15 LF.

G. Remove and replace with in-kind material, design, color, hardware and workmanship, 3 each of vent, 15 IN x 15 IN duct, 20 LF.

{00-003} General:

A. Prepare and paint with in-kind material, design, color, hardware and workmanship, 92,910 SF of interior surfaces with in-kind material, design, color, hardware and workmanship, 2 coats.

{01-004} Third Floor - Student Services Concierge/Lobby (34 FT x 57 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 1,938 SF of 2 FT x 2 FT acoustic ceiling tile.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 1,938 SF of suspended metal grid support for ceiling tiles.

{01-005} Third Floor - Student Services Men Restroom (14 FT x 20 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 280 SF of floor quarry tile 1 IN X 1 IN.

{01-006} Third Floor - Student Services Electrical (10 FT x 10 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 100 SF of 2 FT x 4 FT acoustic ceiling tile, suspended.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 100 SF of suspended metal support grid for ceiling tiles.

C. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of, 2 FT x 2 FT fluorescent light fixture, 2 tube, recessed.

D. Remove and replace with in-kind material, design, color, hardware and workmanship, 100 SF of floor, VCT 12 IN x 12 IN.

{01-007} Third Floor - Student Services Hallway (15 FT x 57 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 855 SF of 2 FT x 4 FT acoustic ceiling tile, suspended

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 855 SF of suspended metal grid support for ceiling tiles

{01-008} Third Floor - Student Services Multipurpose Office Section (62 FT x 147 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 9,114 SF of 2 FT x 4 FT acoustic ceiling tile, suspended.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 9,114 SF of suspended metal grid support for ceiling tiles.

Initials \_\_\_\_\_

C. Remove and replace with in-kind material, design, color, hardware and workmanship, 41 each of 2 FT x 2 FT fluorescent light fixtures, 2 tube, recessed.

D. Remove and replace with in-kind material, design, color, hardware and workmanship, 3 each of 2 FT x 4 FT fluorescent light fixture, 4 tubes, recessed.

E. Repair with in-kind material, design, color, hardware and workmanship, 120 SF of walls, 5/8 IN thick drywall, paint finish.

F. Remove, replace and align 15 each of doors & frame, HC, wood, painted, 3070.

G. Remove and replace with in-kind material, design, color, hardware and workmanship, 418 LF of 4 IN vinyl wall base.

01-009} Third Floor - Student Services Dean of Student Services 4 (11 FT x 12 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 132 SF of 2 FT x 4 FT acoustic ceiling tile, suspended.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 132 SF of suspended metal grid support for ceiling tiles.

{01-010} Third Floor - Student Services Dean of Student Services 2 (7 FT x 15 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 105 SF of 2 FT x 4 FT acoustic ceiling tile, suspended.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 105 SF of suspended metal grid support for ceiling tiles.

{01-011} Third Floor - Student Services Dean of Student Services 1 (10 FT X 12 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 120 SF of 2 FT x 4 FT acoustic ceiling tile, suspended.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 120 SF of suspended metal grid support for ceiling tiles.

{01-012} Third Floor - Student Services Office of Admission 1 (11 FT x 20 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 220 SF of 2 FT x 4 FT acoustic ceiling tile, suspended.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 220 SF of suspended metal grid support for ceiling tiles.

{01-013} Third Floor - Student Services File Room (11 FT x 18 FT):

A. Repair with in-kind material, design, color, hardware and workmanship, 36 SF of wall plaster, 1/4 IN thick, paint finish.

B. Remove and repair with in-kind material, design, color, hardware and workmanship, 198 SF of floor, VCT, 12 IN x 12 IN.

{01-014} Third Floor - Student Services Office (11 FT x 16 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 176 SF of 2 FT x 4 FT acoustic ceiling tile, suspended.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 176 SF of suspended metal grid support for ceiling tiles.

C. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of AC, 2 FT x 2 FT diffuser.

{01-015} Third Floor - Student Services Hallway (5 FT x 15 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 75 SF of floor, VCT, 12 IN x 12 IN, surfacing.

{01-016} Third Floor - Student Services File Room (5 FT x 17 FT):

A. Prepare and repair with in-kind material, design, color, hardware and workmanship, 10 LF cracks and spalling on wall with ¼ IN thick plaster, paint finish.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 3 each of wall, 6 FT x 6 FT polycarbonate cubicle mount, privacy panel.

C. Remove and replace with in-kind material, design, color, hardware and workmanship, 285 SF of floor, VCT, 12 IN x 12 IN, surfacing.

{01-017} Third Floor - Student Services Office (8 FT x 10 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 80 SF of floor, VCT, 12 IN x 12 IN, surfacing.

{01-018} Third Floor - Student Services Office (10 FT x 12 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 120 SF of floor, VCT, 12 IN x 12 IN, surfacing.

{01-019} Third Floor - Student Services Office (8 FT x 9 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 72 SF of floor, VCT, 12 IN x 12 IN, surfacing.

{01-020} Third Floor - Student Services Reception (12 FT x 17 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 204 SF of 2 FT x 4 FT acoustic ceiling tiles, suspended.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 204 SF of suspended metal grid support for ceiling tiles.

C. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of AC, Diffuser vent.

D. Remove and replace with in-kind material, design, color, hardware and workmanship, 204 SF of floor, VCT, 12 IN x12 IN, surfacing.

{01-021} Third Floor - Student Services Office (10 FT x 11 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 110 SF of floor, VCT, 12 IN x12 IN, surfacing.

{01-022} Third Floor - Student Services Office (7 FT x 10 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 70 SF of 2 FT x 4 FT acoustic ceiling tiles, suspended.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 70 SF of suspended metal grid support for ceiling tiles.

{01-023} Third Floor - Student Services Office (8 FT x 16 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 128 SF of 2 FT x 4 FT acoustic ceiling tiles, suspended.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 128 SF of suspended metal grid support for ceiling tiles.

C. Prepare and repair with in-kind material, design, color, hardware and workmanship, 48 SF of wall, 1/4 IN thick plaster, 2 coats of paint.

D. Remove and repair with in-kind material, design, color, hardware and workmanship, 128 SF of floor, VCT, 12 IN x12 IN, surfacing.

{01-024} Third Floor - Student Services 628-021 Office (8 FT x 10 FT):

A. Remove and repair with in-kind material, design, color, hardware and workmanship, 80 SF of floor, VCT, 12 IN x12 IN, surfacing.

{02-025} Second Floor - Theater Backstage (20 FT x 45 FT):

A. Prepare and repair with in-kind material, design, color, hardware and workmanship, 900 SF of ceiling, 5/8 IN tick drywall, 2 coats of paint.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 5 each of 1 FT x 4 FT shop light fixture, 2 tube, suspended.

C. Remove and replace with in-kind material, design, color, hardware and workmanship, 30 SF of insulation, aluminum faces, rolled, R22.

D. Prepare and repair with in-kind material, design, color, hardware and workmanship, 10 SF of wall, 1/4 IN thick plaster, 2 coats of paint.

E. Prepare and repair with in-kind material, design, color, hardware and workmanship, 200 SF of floor, concrete.

{02-026} Second Floor - Theater Women Restroom (10 FT x 20 FT):

A. Remove and repair with in-kind material, design, color, hardware and workmanship, 2 each of 1 FT X 4 FT fluorescent light fixture, 2 tube, recessed.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 20 SF of wall, 4 IN x 4 IN ceramic tiles.

{02-027} Second Floor - Theater Men Restroom (10 FT x 20 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of 1 FT X 4 FT fluorescent light fixture, 2 tube, recessed.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 200 SF of floor, quarry tile, 1 IN x 1 IN, surfacing.

{02-028} Second Floor - Theater Backstage Control Room (9 FT x 14 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 3 each of 1 FT X 4 FT fluorescent light fixture, 2 tube, suspended.

{02-029} Second Floor - Theater A-204 Administrative Offices (10 FT x 12 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 120 SF of 2 FT x 4 FT acoustic ceiling tiles, suspended.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 120 SF of suspended metal grid support for ceiling tiles.

{02-030} Second Floor - Theater A-211 Office of Planning & Institutional Studies (12 FT x 36 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 432 SF of 2 FT x 4 FT acoustic ceiling tiles, suspended.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 432 SF of suspended metal grid support for ceiling tiles.

C. Remove and replace with in-kind material, design, color, hardware and workmanship, 96 LF of 4 IN vinyl wall base.

{02-031} Second Floor - Theater A-211 A & B Documents Reproduction (7 FT x 12 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 84 SF of 2 FT x 4 FT acoustic ceiling tiles, suspended.

Remove and replace with in-kind material, design, color, hardware and workmanship, 84 SF of suspended metal grid support for ceiling tiles.

Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of AC, diffuser vent.

{02-032} Second Floor - Theater A-211 D Institutional Research (6 FT x 12 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 72 SF of 2 FT x 4 FT acoustic ceiling tiles, suspended.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 72 SF of suspended metal grid support for ceiling tiles.

{02-033} Second Floor - Theater A-212 Director Office w/ Restroom (14 FT x 32 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 448 SF of 2 FT x 4 FT acoustic ceiling tiles, suspended.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 448 SF of suspended metal grid support for ceiling tiles.

C. Remove and replace with in-kind material, design, color, hardware and workmanship, 92 LF of 4 IN vinyl wall base.

D. Remove, replace and align 1 each of door & frame, HC, metal frame, painted, 3070.

{02-034} Second Floor - Theater Director Conference Room (18 FT x 26 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 468 SF of 2 FT x 4 FT acoustic ceiling tiles, suspended.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 468 SF of suspended metal grid support for ceiling tiles.

{02-035} Second Floor - Theater A-212 A Secretary Office (11 FT x 12 FT):

A. Prepare and repair with in-kind material, design, color, hardware and workmanship, 8LF of crack in concrete wall, 2 coats of paint

B. Prepare and repair with in-kind material, design, color, hardware and workmanship, 16 SF of wall, 1/4 IN thick plaster, 2 coats of paint.

{02-036} Second Floor - Theater A-212 C Assistant Director (11 FT x 12 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 132 SF of 2 FT x 4 FT acoustic ceiling tiles, suspended.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 132 SF of suspended metal grid support for ceiling tiles.

C. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of AC, 1 IN x 1 IN diffuser vent.

D. Remove and replace with in-kind material, design, color, hardware and workmanship, 46 LF of 4 IN vinyl wall base.

{02-037} Second Floor - Theater A-212 C Office of Legal Affairs (11 FT x 14 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 154 SF of 2 FT x 4 FT acoustic ceiling tiles, suspended.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 154 SF of suspended metal grid support for ceiling tiles.

C. Prepare and repair with in-kind material, design, color, hardware and workmanship, 8 LF crack on concrete wall, 2 coats of paint.

D. Prepare and repair with in-kind material, design, color, hardware and workmanship, 16 SF of wall, 1/4 IN thick plaster, 2 coats of paint.

{02-038} Second Floor - Theater A-212 D Secretary (10 FT x 11 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 110 SF of 2 FT x 2FT acoustic ceiling tiles, suspended.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 110 SF of suspended metal grid support for ceiling tiles.

C. Remove and replace with in-kind material, design, color, hardware and workmanship, 42 LF of 4 IN vinyl wall base.

{02-039} Second Floor - Theater A-213 A Secretary (9 FT x 11 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 99 SF of 2 FT x 2FT acoustic ceiling tiles, suspended.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 99 SF of suspended metal grid support for ceiling tiles.

{02-040} Second Floor - Theater A-213 B Assistant Dean of Academics Affairs (11 FT x 12 FT)

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 132 SF of 2 FT x 2FT acoustic ceiling tiles, suspended.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 132 SF of suspended metal grid support for ceiling tiles.



{02-041} Second Floor - Theater A-213 C Meeting Room (12 FT x 13 FT):

- A. Remove and replace with in-kind material, design, color, hardware and workmanship, 156 SF of 2 FT x 2FT acoustic ceiling tiles, suspended.
- B. Remove and replace with in-kind material, design, color, hardware and workmanship, 156 SF of suspended metal grid support for ceiling tiles.
- C. Prepare and repair with in-kind material, design, color, hardware and workmanship, 5 SF of wall, 1/4 IN thick plaster, 2 coats of paint.
- D. Remove and replace with in-kind material, design, color, hardware and workmanship, 50 LF of 4 IN vinyl wall base.

{02-042} Second Floor - Theater A-213 D Assistant Dean (10 FT x 14 FT):

- A. Remove and replace with in-kind material, design, color, hardware and workmanship, 140 SF of 2 FT x 2FT acoustic ceiling tiles, suspended.
- B. Remove and replace with in-kind material, design, color, hardware and workmanship, 140 SF of suspended metal grid support for ceiling tiles.

{02-043} Second Floor - Theater Hallway (10 FT x 46 FT):

- A. Remove and replace with in-kind material, design, color, hardware and workmanship, 460 SF of 2 FT x 2FT acoustic ceiling tiles, suspended.
- B. Remove and replace with in-kind material, design, color, hardware and workmanship, 460 SF of suspended metal grid support for ceiling tiles.
- C. Remove and replace with in-kind material, design, color, hardware and workmanship, 112 LF of 4 IN vinyl wall base.
- D. Remove and replace with in-kind material, design, color, hardware and workmanship, 460 SF of floor, VCT, 12 IN x12 IN, surfacing.

{03-044} Second Floor - Department of Communication Section (32 FT X 46 FT):

- A. Remove and replace with in-kind material, design, color, hardware and workmanship, 1,472 SF of 2 FT x 2FT acoustic ceiling tiles, suspended.
- B. Remove and replace with in-kind material, design, color, hardware and workmanship, 1,472 SF of suspended metal grid support for ceiling tiles.
- C. Remove and replace with in-kind material, design, color, hardware and workmanship, 2 each 2 FT x 4 FT fluorescent light fixture, 4tubes, recessed.
- D. Remove and replace with in-kind material, design, color, hardware and workmanship, 150 SF of wall, 5/8 IN thick drywall, 2 coats of paint.
- E. Repair with in-kind material, design, color, hardware and workmanship, a 6 FT x 15 LF Partition wall, 2 coats of paint.

F. Remove and replace with in-kind material, design, color, hardware and workmanship, 12 each of doors & frame, HC, wood frame, painted.

G. Remove and replace with in-kind material, design, color, hardware and workmanship, 156 LF of 4 IN vinyl wall base.

{04-045} Second Floor - Department of Business Administration Business Section (46 FT x 57 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 2,622 SF of 2 FT x 2FT acoustic ceiling tiles, suspended.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 2,622 SF of suspended metal grid support for ceiling tiles.

{04-046} Second Floor - Department of Business Administration Janitor Storage (3 FT x 4 FT):

A. Prepare and repair with in-kind material, design, color, hardware and workmanship, 2 SF of concrete ceiling crack, 2 coats of paint.

{04-047} Second Floor - Department of Business Administration A-214 Communication and Electrical Room (6 FT x 18 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 108 SF of 2 FT x 2FT acoustic ceiling tiles, suspended.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 108 SF of suspended metal grid support for ceiling tiles.

C. Remove and replace with in-kind material, design, color, hardware and workmanship, 48 LF of 4 IN vinyl wall base.

{04-048} Second Floor - Department of Business Administration A-216-Dean of Administration (12 FT x 21 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 252 SF of 2 FT x 2FT acoustic ceiling tiles, suspended.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 252 SF of suspended metal grid support for ceiling tiles.

C. Prepare and repair with in-kind material, design, color, hardware and workmanship, 30 LF of wall with 1/4 IN thick plaster along windowsill, 2 coats of paint.

D. Remove and replace with in-kind material, design, color, hardware and workmanship, 66 LF of 4 IN vinyl wall base.

E. Remove and replace with in-kind material, design, color, hardware and workmanship, 252 SF of floor, VCT, 12 IN x12 IN, surfacing.

{04-049} Second Floor - Department of Business Administration A-216 A Dean of Administration (12 FT x 16 FT):

- A. Remove and replace with in-kind material, design, color, hardware and workmanship, 192 SF of 2 FT x 2FT acoustic ceiling tiles, suspended.
- B. Remove and replace with in-kind material, design, color, hardware and workmanship, 192 SF of suspended metal grid support for ceiling tiles.
- C. Prepare and repair with in-kind material, design, color, hardware and workmanship, 5 LF of wall with 1/4 IN thick plaster along windowsill, 2 coats of paint.
- D. Remove and replace with in-kind material, design, color, hardware and workmanship 1 each of window, glass 3 FT x 5 FT.
- E. Remove and replace with in-kind material, design, color, hardware and workmanship, 56 LF of 4 IN vinyl wall base.
- F. Remove and replace with in-kind material, design, color, hardware and workmanship, 192 SF of floor, VCT, 12 IN x12 IN, surfacing.

{04-050} Second Floor - Department of Business Administration A-216 B Dean of Administration (9 FT x 12 FT):

- A. Remove and replace with in-kind material, design, color, hardware and workmanship, 108 SF of 2 FT x 2FT acoustic ceiling tiles, suspended.
- B. Remove and replace with in-kind material, design, color, hardware and workmanship, 108 SF of suspended metal grid support for ceiling tiles.
- C. Prepare and repair with in-kind material, design, color, hardware and workmanship, 5 LF of wall with 1/4 IN thick plaster along windowsill, 2 coats of paint.
- D. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of window, glass 3 FT x 5 FT.
- E. Remove and replace with in-kind material, design, color, hardware and workmanship, 42 LF of 4 IN vinyl wall base.
- F. Remove and replace with in-kind material, design, color, hardware and workmanship, 108 SF of floor, VCT, 12 IN x12 IN, surfacing.

{04-051} Second Floor - Department of Business Administration A-216 C Dean of Administration (12 FT x 15 FT):

- A. Remove and replace with in-kind material, design, color, hardware and workmanship, 180 SF of 2 FT x 2FT acoustic ceiling tiles, suspended.
- B. Remove and replace with in-kind material, design, color, hardware and workmanship, 180 SF of suspended metal grid support for ceiling tiles.
- C. Remove, replace and align 1 each of door & frame, HC, metal frame, painted, 3070.
- D. Remove and replace with in-kind material, design, color, hardware and workmanship, 54 SF of floor, VCT, 12 IN x12 IN, surfacing.

{04-052} Second Floor - Department of Business Administration Purchasing Department (12 FT x 15 FT):

- A. Remove and replace with in-kind material, design, color, hardware and workmanship, 180 SF of 2 FT x 2FT acoustic ceiling tiles, suspended.
- B. Remove and replace with in-kind material, design, color, hardware and workmanship, 180 SF of suspended metal grid support for ceiling tiles.
- C. Remove and replace with in-kind material, design, color, hardware and workmanship, 54 LF of 4 IN vinyl wall base.

{04-053} Second Floor - Department of Business Administration Accreditation & License Office (10 FT x 11 FT):

- A. Remove and replace with in-kind material, design, color, hardware and workmanship, 110 SF of 2 FT x 2FT acoustic ceiling tiles, suspended.
- B. Remove and replace with in-kind material, design, color, hardware and workmanship, 110 SF of suspended metal grid support for ceiling tiles.

{04-054} Second Floor - Department of Business Administration Office of Accounting and Preintervention (26 FT x 34 FT):

- A. Remove and replace with in-kind material, design, color, hardware and workmanship, 884 SF of 2 FT x 2FT acoustic ceiling tiles, suspended.
- B. Remove and replace with in-kind material, design, color, hardware and workmanship, 884 SF of suspended metal grid support for ceiling tiles.
- C. Remove and replace with in-kind material, design, color, hardware and workmanship, 884 SF of floor, VCT, 12 IN x12 IN, surfacing.
- D. Remove and replace with in-kind material, design, color, hardware and workmanship, 120 LF of 4 IN vinyl wall base.

{04-055} Second Floor - Department of Business Administration Registrar of Contractors (10 FT x 11 FT)

- A. Remove and replace with in-kind material, design, color, hardware and workmanship, 110 SF of 2 FT x 2FT acoustic ceiling tiles, suspended.
- Remove and replace with in-kind material, design, color, hardware and workmanship, 110 SF of suspended metal grid support for ceiling tiles.
- B. Remove and replace with in-kind material, design, color, hardware and workmanship, 42 LF of 4 IN vinyl wall base.

{04-056} Second Floor - Department of Business Administration Auditorium B (30 FT x 30 FT):

- A. Remove and replace with in-kind material, design, color, hardware and workmanship, 900 SF of 2 FT x 2FT acoustic ceiling tiles, suspended.
- B. Remove and replace with in-kind material, design, color, hardware and workmanship, 900 SF of suspended metal grid support for ceiling tiles.

C. Prepare and repair with in-kind material, design, color, hardware and workmanship, wall with in-kind material, design, color, hardware and workmanship, 1/4 IN thick plaster, 120 LF long.

{04-057} Second Floor - Department of Business Administration Fiscal Office (9 FT x 14 FT

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 126 SF of 2 FT x 2 FT acoustic ceiling tile, suspended.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 126 SF of ceiling, suspended metal grid.

C. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of AC, diffuser vent.

{04-058} Second Floor - Department of Business Administration A-225 A Tax Collector (12 FT x 14 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 168 SF of 2 FT x 2 FT acoustic ceiling tile, suspended.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 168 SF of ceiling, suspended metal grid.

C. Remove and replace with in-kind material, design, color, hardware and workmanship, 10 SF of wall, 1/4 IN thick plaster at windowsill, 2 coats of paint.

D. Remove and replace with in-kind material, design, color, hardware and workmanship, 32 SF of wall, 5/8 in thick drywall.

E. Remove and replace with in-kind material, design, color, hardware and workmanship, base, 4 IN vinyl, 52 LF long.

F. Remove and replace with in-kind material, design, color, hardware and workmanship, 168 SF of floor, VCT, 12 IN x12 IN, surfacing.

{04-059} Second Floor - Department of Business Administration A-226 A & B Office of Cashier of Check Payment (10 FT x 18 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 180 SF of ceiling, 2 FT x 2 FT acoustic tile, suspended.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 180 SF of suspended metal ceiling grid.

C. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each door & frame, HC, metal frame, painted, 3070.

D. Remove and replace with in-kind material, design, color, hardware and workmanship, base, 4 IN vinyl, 56 LF long.

{04-060} Second Floor - Department of Business Administration A-227 Dean Auxiliary of Administration (10 FT x 11 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 110 SF of 2 FT x 2 FT acoustic ceiling tile, suspended.

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B. Remove and replace with in-kind material, design, color, hardware and workmanship, 110 SF of ceiling, suspended metal grid.

C. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of door & frame, HC, metal frame, painted, 3070.

D. Remove and replace with in-kind material, design, color, hardware and workmanship, 110 SF of floor, VCT, 12 IN x12 IN, surfacing.

{04-061} Second Floor - Department of Business Administration A-238 C Human Resources Archive (21 FT x 22 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 462 SF of ceiling, 2 FT x 2 FT acoustic tile, suspended.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 462 SF of ceiling, suspended metal grid.

{05-062} First Floor - Telecommunication Department Hallway (7 FT x 23 FT) + (5 FT x 43 FT) + (3 FT x 28 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 460 SF of ceiling, 2 FT x 4 FT acoustic tile, suspended.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 460 SF of ceiling, suspended metal grid.

C. Remove and replace with in-kind material, design, color, hardware and workmanship, 460 SF of floor, VCT, 12 IN x12 IN, surfacing.

{05-063} First Floor - Telecommunication Department Television Studio A Cabin 1 (6 FT x 6 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 36 SF of ceiling, 2 FT x 2 FT acoustic tile, suspended.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 36 SF of ceiling, suspended metal grid.

{06-064} First Floor - TV Studio & Audio Laboratory of Radio and Televisión (14 FT x 24 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of lights, 1 FT X 4 FT fluorescent, 3 tube, suspended.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 336 SF of floor, VCT, 12 IN x12 IN, surfacing.

{06-065} First Floor - TV Studio & Audio Office of the Technical and Televisión (8 FT x 12 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 96 SF of ceiling, 2 FT x 2 FT acoustic tile, suspended.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 96 SF of ceiling, suspended metal grid.

C. Remove and replace with in-kind material, design, color, hardware and workmanship, 40 SF of base, 4 IN vinyl.

D. Remove and replace with in-kind material, design, color, hardware and workmanship, 96 SF of floor, VCT, 12 IN x12 IN, surfacing.

{06-066} First Floor - TV Studio & Audio Student of Televisión (18 FT x 36 FT) + (8 FT x 14 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 760 SF of ceiling, 2 FT x 2 FT acoustic tile, suspended.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 4 each of lights, 2 FT X 4 FT fluorescent, 4 tube, recessed.

{06-067} First Floor - TV Studio & Audio Edition Hallway (5 FT x 17 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 85 SF of ceiling, 2 FT x 2 FT acoustic tile, suspended.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 85 SF of ceiling, suspended metal grid

{06-068} First Floor - TV Studio & Audio Edition Cabin 1 (6 FT x 7 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 42 SF of ceiling, 2 FT x 2 FT acoustic tile, suspended.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 42 SF of ceiling, suspended metal grid.

{06-069} First Floor - TV Studio & Audio Technical Lab TV (12 FT x 14 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, base, 4 IN vinyl, 52 LF long.

{06-070} First Floor - TV Studio & Audio Radio 2 (8 FT x 12 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 40 LF of base, 4 IN vinyl.

{06-071} First Floor - TV Studio & Audio A-103 TV-C (16 FT x 19 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 304 SF of ceiling, 2 FT x 2 FT acoustic tile, suspended

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 304 SF of ceiling, suspended metal grid.

C. Remove and replace with in-kind material, design, color, hardware and workmanship, base, 4 IN vinyl, 70 LF long.

{06-072} First Floor - TV Studio & Audio Radio 1 (12 FT x 13 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 156 SF of ceiling, 2 FT x 2 FT acoustic tile, suspended.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 156 SF of ceiling, suspended metal grid.

{06-073} First Floor - TV Studio & Audio Radio 2 (10 FT x 12 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 120 SF of ceiling, 2 FT x 2 FT acoustic tile, suspended.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 120 SF of ceiling, suspended metal grid.

C. Remove and replace with in-kind material, design, color, hardware and workmanship, 120 SF of floor, VCT, 12 IN x 12 IN, surfacing.

{06-074} First Floor - TV Studio & Audio Women Bathroom (4 FT x 9 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of door & frame, HC, metal frame, painted, 3070.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 36 SF of floor, 1 IN X 1 IN quarry tile, surfacing.

C. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of toilet, flush valve.

{06-075} First Floor - TV Studio & Audio Men Bathroom (4 FT x 9 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of door & frame, HC, metal frame, painted, 3070.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 36 SF of floor, 1 IN X 1 IN quarry tile, surfacing.

C. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of toilet, flush valve.

{06-076} First Floor - TV Studio & Audio Stairway to Administration offices (7 FT x 14 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 98 SF of ceiling, 2 FT x 2 FT acoustic tile, suspended.

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B. Remove and replace with in-kind material, design, color, hardware and workmanship, 98 SF of ceiling, suspended metal grid.

{06-077} First Floor - TV Studio & Audio Storage (8 FT x 16 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 128 SF of ceiling, 2 FT x 4 FT acoustic tile, suspended.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 128 SF of ceiling, suspended metal grid.

{07-078} First Floor – Cafeteria, Center of Students, Orientation (17 FT x 38 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 646 SF of ceiling, 2 FT x 2 FT acoustic tile, suspended.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 646 SF of ceiling, suspended metal grid.

C. Remove and replace with in-kind material, design, color, hardware and workmanship, 6 each of light, 2 FT X 4 FT fluorescent, 4 tube, surface mount.

{07-079} First Floor - Cafeteria Main cafeteria Area (80 FT x 60 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 4,800 SF of ceiling, 2 FT x 4 FT acoustic tile, suspended.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 4,800 SF of ceiling, suspended metal grid.

C. Remove and replace with in-kind material, design, color, hardware and workmanship, 6 each of light, 2 FT X 4 FT fluorescent, 4 tube, surface mount.

{07-080} First Floor - Cafeteria Cafeteria serving area (30 FT x 35 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 1,050 SF of ceiling, 2 FT x 2 FT acoustic tile, suspended.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 1,050 SF of ceiling, suspended metal grid.

C. Remove and replace with in-kind material, design, color, hardware and workmanship, 4 each of light, 2 FT x 4 FT fluorescent, 4 tube, recessed.

{07-081} First Floor - Cafeteria Cafeteria Kitchen (22 FT x 60 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 1,320 SF of ceiling, 2 FT x 2 FT acoustic tile, suspended.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 1,320 SF of ceiling, suspended metal grid.

{07-082} First Floor - Cafeteria Cafeteria office (12 FT x 13 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 156 SF of ceiling, 2 FT x 2 FT acoustic tile, suspended.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 156 SF of ceiling, suspended metal grid.

C. Remove and replace with in-kind material, design, color, hardware and workmanship, 156 SF of floor, 12 IN x 12 IN ceramic tile, surfacing.

{07-083} First Floor - Cafeteria Women Restroom (8 FT x 12 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 4 each of light, 1 FT x 4 FT fluorescent, 2 tube, recessed.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 10 SF of wall, 4 IN x 4 IN ceramic tile.

{07-084} First Floor - Cafeteria Cafeteria kitchen hallway (3 FT x 40 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 120 SF of ceiling, 2 FT x 2 FT acoustic tile, suspended.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 120 SF of ceiling, suspended metal grid.

C. Remove and replace with in-kind material, design, color, hardware and workmanship, 4 each of light, 2 FT x 4 FT fluorescent, 4 tube, recessed.

{07-085} First Floor - Cafeteria Storage (12 FT x 14 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 168 SF of ceiling, 2 FT x 2 FT acoustic tile, suspended.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 168 SF of ceiling, suspended metal grid.

{08-086} First Floor - Offices Office 1 (8 FT x 11 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 88 SF of ceiling, 2 FT x 2 FT acoustic tile, suspended.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 88 SF of ceiling, suspended metal grid.

{08-087} First Floor - Offices Office of Admission 2 (19 FT x 22 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 418 SF of ceiling, 2 FT x 2 FT acoustic tile, suspended.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 418 SF of ceiling, suspended metal grid.

{08-088} First Floor - Offices Telephone System Room (12 FT x 12 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 144 SF of ceiling, 2 FT x 2 FT acoustic tile, suspended.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 144 SF of ceiling, suspended metal grid.

C. Remove and replace with in-kind material, design, color, hardware and workmanship, 14 SF of floor, VCT, 12 IN x12 IN, surfacing.

{08-089} First Floor - Offices Office of Accounting and Preintervention (26 FT x 34 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 884 SF of ceiling, 2 FT x 2 FT acoustic tile, suspended.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 884 SF of ceiling, suspended metal grid.

C. Remove and replace with in-kind material, design, color, hardware and workmanship, base, 4 IN vinyl, 120 LF long.

D. Remove and replace with in-kind material, design, color, hardware and workmanship, 884 SF of floor, VCT, 12 IN x12 IN, surfacing.

{08-090} First Floor - Offices Collections and Claims (12 FT x 12 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 144 SF of ceiling, 2 FT x 2 FT acoustic tile, suspended.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 144 SF of ceiling, suspended metal grid.

{08-091} First Floor - Offices Storage (5 FT x 6 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of light, 1 FT x 4 FT fluorescent, 2 tube, recessed.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, base, 4 IN vinyl, 22 LF long.

{08-092} First Floor - Offices Restroom (5 FT x 6 FT):

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A. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of light, 1 FT x 2 FT fluorescent, 1 tube, recessed.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of door & frame, HC, metal frame, painted, 3070.

{08-093} First Floor - Offices A-121 Multi-Media A Lab (23 FT x 29 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 667 SF of ceiling, 2 FT x 4 FT acoustic tile, suspended.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 667 SF of ceiling, suspended metal grid.

C. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of AC, 3 Ton package Unit.

{08-094} First Floor - Offices Investigations & Academic Counseling (9 FT x 9 FT):

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 81 SF of ceiling, 2 FT x 4 FT acoustic tile, suspended.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 81 SF of ceiling, suspended metal grid.

C. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of light, 2 FT x 2 FT fluorescent, 2 tube, recessed.

D. Remove and replace with in-kind material, design, color, hardware and workmanship, base, 4 IN vinyl, 36 LF long.

### **Hazard Mitigation Proposal (HMP) Scope of Work**

To prevent or reduce damages in future similar events, the following mitigation measures have been proposed:

#### **A. Roof Mitigation**

A.1 Replace 36,169 SF with Modified Bitumen (SBS) - Full Assembly

A.2 Install 36,169 SF of insulation or light weight cementitious fill sloped to facilitate drainage

A.3 Install 761 LF of termination bar on roof edges and cap flashing to prevent uplift of the roof membrane

#### **B. Window Mitigation**

B.1 Replace 25 of 101 EA –(216 SF) glass windows using Windows, aluminum, commercial grade, stock units, casement, up to 9.76 sq.ft, incl. frame and glazing. “in-kind” window and windowpane sizes.

B.2 Remove and replace 76 of 101 EA – (1,433.666 SF ) glass windows using Windows, aluminum, commercial grade, stock units, casement, up to 9.76 sq.ft, incl. frame and glazing. “in-kind” window and windowpane sizes.

B.3 Remove and replace 109 EA – (2,393.28 SF ) glass windows using Windows, aluminum, commercial grade, stock units, casement, up to 9.76 sq.ft, incl. frame and glazing. “in-kind” window and windowpane sizes.

B.4 Install 210 each of weatherstripping

### **C. Door Mitigation**

C.1 Remove and replace 5 EA doors, using hollow metal, commercial, steel, flush, full panel, hollow core, 1-3/4" thick, 18 gauge, 3' x 7'

C.2 Remove and replace 17 EA glass doors with Doors, glass, swing, tempered, 1/2" thick, 3' x 7' opening, incl. hardware

### **D. Anchoring Mitigation:**

D.1 Install on 7 EA – "Anchoring Rooftop Equipment - 3' x 3' x 3' and smaller"

D.2 Install on 4 EA – "Anchoring Rooftop Equipment - between 6'x6'x6' and 3'x3'x3' in size"

D.3 Install on 7 EA – "Anchoring Rooftop Equipment - between 10'x10'x10' and 6'x6'x6' in size"

## **BBA Proposal Scope of Work**

### **A. LIGHTING CONTROLS**

BBA 2018 Details:

Lighting Controls - 2018 IECC / Section C405.2 Lighting Controls (Mandatory)

C405.2.1 Occupant Sensor Controls.

Education Sector

Industry Standard:

BBA Work required: Install eighteen (18) ceiling mounted occupancy sensors one (1) for each room. Damaged lighting is functional dependent on sensor to meet code requirement. Due to the room size (156SF), 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.

### **B. HVAC**

Details:

Industry Standard: Per 2016 ASHRAE, 90.1 – 2010 Appendix G Baseline Building HVAC System Education Sector, Damaged HVAC components: Replacement of multiple HVAC systems in a single building.

**Disaster Related Damage Component: First Floor - Offices A-121 Multi-Media A Lab(23FT x 29FT  
1 each of AC, 3 Ton package Unit**

Pre-disaster condition: The existing air conditioner units above mentioned served the purpose of conditioning the classrooms. The cooling capacity was for the area, however given the type of units, the fresh air requirements were not met. All units are connected to the same electrical branch circuit and the panelboard has spaces for additional branching.

HVAC BBA Work required: For estimating purposes, install one (1) outside air compliant direct expansion (DX) 3 Tons 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. For enclosing of Air Handling Unit (AHU), construct a mechanical closet made of insulated gypsum board walls (3 sides) and a minimum 1hr fire rated hollow metal door to install necessary AHU with DX compatible coil and corresponding appurtenances such as: support base, Louver for fresh air w/ damper, supply register w/ opposed blade damper, galvanized ductwork, return air side louver, drainage piping, thermostat, 1/2" EMT conduit for thermostat control, insulated DX piping and communication cable to connect to condensing unit (CU).

Electric Power BBA Work required: In addition to the interior work, exterior rooftop installation (where possible) of the condensing unit will be necessary to complete the refrigeration system needing connection of DX piping from interior (approx. 30 Ft. run) Air Handling Unit (AHU), 3#18 control cable from AHU, 5/16" clear coated galvanized two-way tie down wires. For the electrical scope both units need dedicated circuits directly from the panelboard, consider the following: 1) AHU - route new branch circuit from panelboard with 3#10 THWN copper wire in 3/4" EMT including disconnecting means (equal or similar to a 30amp Safety switch) with flexible conduit to power the unit and 2) CU -route new branch circuit from panelboard w/ 3#8 THWN copper wire in 3/4" EMT for interior and RGC when exposed to exterior and/or to impact, including disconnecting means (equal or similar to a 30amp Safety Switch) with flexible conduit to power the unit. Please account for the demolition for penetrations as well as the necessary masonry.

**B. Damage #195236; UPR Arcibo Building 021 Ala Este**

**Public Assistance Scope of Work**

**{00-001} General:**

- A. Prepare and paint with in-kind material, design, color, hardware and workmanship, 10,200 SF of building exterior concrete surfacing, 2 coats
- B. Remove and replace with in-kind material, design, color, hardware and workmanship, 12 each of light, LED photocell, wall mount, 150W
- C. Remove and replace with in-kind material, design, color, hardware and workmanship, 8 each of door & frame, HC, metal frame, painted, 36 IN X 70 IN,
- D. Remove and replace with in-kind material, design, color, hardware and workmanship, 4 each of door & frame, ALU, 2 lite, 36 IN X 70 IN
- E. Remove and replace with in-kind material, design, color, hardware and workmanship, 8 each of exhaust fan, 1000 CFM
- F. Remove and replace with in-kind material, design, color, hardware and workmanship, 6 each of AC, 10 ton package unit
- G. Remove and replace with in-kind material, design, color, hardware and workmanship, 5 each of AC, 3 ton package unit
- H. Remove and replace with in-kind material, design, color, hardware and workmanship, 8 each of window, glass 3 FT x 7 FT

Initials \_\_\_\_\_

- I. Remove and replace with in-kind material, design, color, hardware and workmanship, 20 each of window, glass 3 FT x 5 FT
- J. Remove and replace with in-kind material, design, color, hardware and workmanship, 32 each of window, aluminum jalousie 3 FT x 5 FT
- K. Remove and replace with in-kind material, design, color, hardware and workmanship, 32 each of window, glass jalousie, ALU frame, 3 FT x 5
- L. Remove and replace with in-kind material, design, color, hardware and workmanship, radio antenna, roof system mount, 40 LF long

**{00-002} Roofing System:**

- A. Remove and replace with in-kind material, design, color, hardware and workmanship, 9,550 SF of modified bitumen roof with granular surface
- B. Remove and replace with in-kind material, design, color, hardware and workmanship, roof flashing, 26 gauge, 12 IN, 485 LF long
- C. Remove and replace with in-kind material, design, color, hardware and workmanship, fascia trim, 26 gauge, 12 IN, 485 LF long

**{00-003} General:**

- A. Prepare and paint with in-kind material, design, color, hardware and workmanship, 30,600 SF of interior painted surfaces, 2 coats

**{01-004} Second Floor Classroom AC-247 (14 FT x 44 FT):**

- A. Remove and replace with in-kind material, design, color, hardware and workmanship, 2 each of door & frame, SC, wood frame, painted, 36 IN X 70 IN

**{01-005} Second Floor Classroom AC-248 (20 FT x 44 FT):**

- A. Remove and replace with in-kind material, design, color, hardware and workmanship, 2 each of door & frame, SC, wood frame, painted, 36 IN X 70 IN

**{01-006} Second Floor Classroom AC-249 (20 FT x 44 FT):**

- A. Remove and replace with in-kind material, design, color, hardware and workmanship, 2 each of door & frame, SC, wood frame, painted, 36 IN X 70 IN

**{01-007} Second Floor Biology Department Office (22 FT x 24 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 528 SF of ceiling, 2 FT x 4 FT acoustic tile, suspended

**{01-008} Second Floor Hallway (5 FT x 20 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 100 SF of ceiling, 2 FT x 4 FT acoustic tile, suspended

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 4 each of light, 2 FT x 4 FT fluorescent, 4 tube, suspended

**{01-009} Second Floor Hallway (5 FT x 20 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 100 SF of ceiling, 2 FT x 4 FT acoustic tile, suspended

**{01-010} Second Floor Office #3 (8 FT x 10 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 80 SF of ceiling, 1 FT x 1 FT concealed spline

**{01-011} Second Floor Office #7 (8 FT x 12 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 96 SF of ceiling, 2 FT x 4 FT acoustic tile, suspended

**{01-012} Second Floor Office #10 (8 FT x 10 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 96 SF of ceiling, 1 FT x 1 FT concealed spline, suspended

**{01-013} Second Floor Office #12 (8 FT x 12 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 96 SF of ceiling, 2 FT x 2 FT acoustic tile, suspended

**{01-014} Second Floor Office #13 (8 FT x 10 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 80 SF of ceiling, 1 FT x 1 FT concealed spline, suspended

**{01-015} Second Floor Office #15 (8 FT x 12 FT):**



A. Remove and replace with in-kind material, design, color, hardware and workmanship, 96 SF of ceiling, 1 FT x 1 FT concealed spline, suspended

**{02-016} First Floor Lobby Area (18 FT x 24 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 432 SF of ceiling, 2 FT x 4 FT acoustic tile, suspended

**{02-017} First Floor Hallway (5 FT x 20 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 100 SF of ceiling, 2 FT x 4 FT acoustic tile, suspended

**{02-018} First Floor Hallway (5 FT x 20 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 100 SF of ceiling, 2 FT x 4 FT acoustic tile, suspended

**{02-019} First Floor Office#9 (8 FT x 12 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 96 SF of ceiling, 1 FT x 1 FT concealed spline, suspended

**{02-020} First Floor Mechanical Room (10 FT x 12 FT):**

**{02-021} First Floor Office #10 (8 FT x 10 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 80 SF of ceiling, 1 FT x 1 FT concealed spline, suspended

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 2 each of light, 2 FT x 4 FT fluorescent, 4 tube, recessed

**{02-022} First Floor Office #11 (8 FT x 12 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 96 SF of ceiling, 1 FT x 1 FT concealed spline, suspended

**{02-023} First Floor Office #12 (8 FT x 12 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 96 SF of ceiling, 1 FT x 1 FT concealed spline, suspended

**Hazard Mitigation Proposal (HMP) Scope of Work**

To prevent or reduce damages in future similar events, the following mitigation measures have been proposed:

**A. Roof Mitigation**

- A.1 Replace 9,550 SF with Modified Bitumen (SBS) - Full Assembly
- A.2 Install 9,550 SF of insulation or light weight cementitious fill sloped to facilitate drainage
- A.3 Install 495 LF of termination bar on roof edges and cap flashing to prevent uplift of the roof membrane

**B. Window Mitigation**

- B.1 Replace 32 of 52 EA – (480 SF) jalousie windows using impact resistant aluminum jalousie “in -kind” window and window pane sizes
- B.2 Remove and replace 20 of 52 EA – (300 SF) jalousie windows using impact resistant aluminum jalousie “in-kind” window and window pane sizes
- B.3 Replace 60 EA – (948 SF) glass windows using Windows, aluminum, commercial grade, stock units, casement, up to 9.76 SF, incl. frame and glazing “in -kind” window and window pane sizes.
- B.4 Install 112 each of weatherstripping

**C. Door Mitigation**

- C.1 Remove and replace 3 EA doors, using glass doors with Doors, glass, swing, tempered, 1/2" thick, 3' x 7' opening, incl. hardware

**D. Anchoring Mitigation:**

- D.1 Install on 8 EA – "Anchoring Rooftop Equipment - between 6'x6'x6' and 3'x3'x3' in size."
- D.2 Install on 14 EA – "Anchoring Rooftop Equipment - between 10'x10'x10' and 6'x6'x6' in size."
- D.3 Install 1 EA – Guy Anchor for Pole, including hardware

**BBA Proposal Scope of Work**

System: Building Interiors

1. Disaster Related Damage Component: All rooms - See DDD for dimensions and Project Development Guide for code requirements.

2. BBA Details: Nothing to address

System: Electrical:

1. Disaster Related Damage Component: First Floor Office #10 (8 FT x 10 FT)  
2 each of light, 2 FT x 4 FT fluorescent, 4 tube, recessed.

2. BBA Details:

Initials \_\_\_\_\_

## Lighting Controls - 2018 IECC / Section C405.2 Lighting Controls (Mandatory)

### C405.2.1 Occupant Sensor Controls.

#### Education Sector Industry Standard:

- a. Disaster Damage Work Required: Remove and replace damaged number as noted above per classroom lighting fixtures.
- b. BBA Pre-disaster condition: The lighting system in this classroom were operable prior to the event. Lighting fixtures are powered through an electrical circuit with a commercial type 1 pole lever switch.
- c. **BBA Work required: Install one (1) ceiling mounted occupancy sensors one (1) for each room** damaged lighting is functional dependent on sensor to meet code requirement. Due to the room size (80SF), 1 ea. occupancy sensor will 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.

#### System: HVAC:

##### 1. Disaster Related Damage Component:

##### 2. **BBA Details: Nothing to address**

### **C. Damage #195237; UPR Arecibo Building 022 Ala Norte**

#### **Public Assistance Scope of Work**

#### **{00-001} General:**

- A. Prepare and paint with in-kind material, design, color, hardware and workmanship, 7,500 SF of exterior painted surfaces, 2 coats
- B. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of window, aluminum jalousie 3 FT x 5 FT
- C. Prepare and paint with in-kind material, design, color, hardware and workmanship, 80 SF of concrete plastering wall surface, 2 coats

#### **{00-002} Roofing System:**

- A. Remove and replace with in-kind material, design, color, hardware and workmanship, 6,500 SF of modified bitumen roof with granular surface
- B. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of exhaust fan, 1000 CFM
- C. Remove and replace with in-kind material, design, color, hardware and workmanship, 4 each of AC, 3-ton package unit

Initials \_\_\_\_\_

D. Remove and replace with in-kind material, design, color, hardware and workmanship, roof flashing, 26-gauge, 12 IN, 30 LF long

E. Remove and replace with in-kind material, design, color, hardware and workmanship, 2 each of light, LED photo, wall mount, 150W

F. Remove and replace with in-kind material, design, color, hardware and workmanship, insulation, vinyl faced, rolled, R22, 60 LF long

G. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of drain, 4 IN

**{00-003} General:**

A. Prepare and paint with in-kind material, design, color, hardware and workmanship, 1,030 SF of exterior painted surfaces, 2 coats

**{01-004} Second Floor Classroom AC 215 (20 FT x 22 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of AC, mini split unit 24,000 BTU

**{01-005} Second Floor Classroom AC 214 (20 FT x 22 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of AC, mini split unit 24,000 BTU

**{01-006} Second Floor Classroom AC 213 (20 FT x 22 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of AC, mini split unit 24,000 BTU

**{01-007} Second Floor Classroom AC 212 (20 FT x 22 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of AC, mini split unit 24,000 BTU

**{01-008} Second Floor Classroom AC 211 (20 FT x 22 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of AC, mini split unit 24,000 BTU

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 2 each of window, operators, aluminum jalousie 3 FT x 5 FT

**{01-009} Second Floor Classroom AC 210 (20 FT x 22 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of AC, mini split unit 24,000 BTU

**{01-010} Second Floor Classroom AC 209 (20 FT x 22 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of AC, mini split unit 24,000 BTU

**{01-011} Second Floor Classroom AC 208 (20 FT x 22 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of AC, mini split unit 24,000 BTU

**{01-012} Second Floor Classroom AC 207 (20 FT x 22 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of AC, mini split unit 24,000 BTU

**{01-013} Second Floor Classroom AC 206 (20 FT x 22 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of AC, mini split unit 24,000 BTU

**{01-014} Second Floor Classroom AC 205 (20 FT x 22 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of AC, mini split unit 24,000 BTU

**{01-015} Second Floor Classroom AC 204 (20 FT x 22 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of AC, mini split unit 24,000 BTU

**{01-016} Second Floor Classroom AC 203 (20 FT x 22 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of AC, mini split unit 24,000 BTU

**{01-017} Second Floor Classroom AC 202 (20 FT x 22 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of AC, mini split unit 24,000 BTU

**{01-018} Second Floor Classroom AC 201 (20 FT x 22 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of AC, mini split unit 24,000 BTU

**{02-020} First Floor Lobby (8 FT x 8 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 8 SF of ceiling, 2 FT x 4 FT acoustic tile

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 2 each of light, 2 FT x 2 FT fluorescent, 2 tube, surface mount

C. Remove and replace with in-kind material, design, color, hardware and workmanship, 12 SF of floor, VCT, 12 IN x 12 IN

**{02-021} First Floor Classroom AC – 115 (20 FT x 22 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of AC, mini split unit 24,000 BTU

**{02-022} First Floor Classroom AC – 114 (20 FT x 22 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of AC, mini split unit 24,000 BTU

**{02-023} First Floor Classroom AC – 113 (20 FTx 22 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of AC, mini split unit 24,000 BTU

**{02-023} First Floor Classroom AC – 113 (20 FTx 22 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 2 each of window, operators, aluminum jalousie 3 FT x 5 FT

**{02-024} First Floor Classroom AC – 112 (20 FTx 22 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of AC, mini split unit 24,000 BTU

**{02-025} First Floor Classroom AC – 111 (20 FTx 22 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of AC, mini split unit 24,000 BTU

**{02-026} First Floor Classroom AC – 110 (20 FTx 22 FT):**

Initials \_\_\_\_\_

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of AC, mini split unit 24,000 BTU

**{02-027} First Floor Classroom AC – 109 (20 FTx 22 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of AC, mini split unit 24,000 BTU

**{02-028} First Floor Classroom AC – 108 (20 FTx 22 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of AC, mini split unit 24,000 BTU

**{02-029} First Floor Classroom AC – 107 (20 FTx 22 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of AC, mini split unit 24,000 BTU

**{02-030} First Floor Classroom AC – 106 (20 FTx 22 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of AC, mini split unit 24,000 BTU

**{02-031} First Floor Classroom AC – 105 (20 FTx 22 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of AC, mini split unit 24,000 BTU

**{02-032} First Floor Classroom AC – 104 (20 FTx 22 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of AC, mini split unit 24,000 BTU

**{02-033} First Floor Classroom AC – 103 (20 FTx 22 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of AC, mini split unit 24,000 BTU

**Hazard Mitigation Proposal (HMP) Scope of Work**

To prevent or reduce damages in future similar events, the following mitigation measures have been proposed:

**A. Roof Mitigation**

A.1 Replace 6,500 SF of 9,329 SF with Modified Bitumen (SBS) - Full Assembly

Initials \_\_\_\_\_

A.2 Remove and replace 2,829 SF of 9,329 SF with Modified Bitumen (SBS) - Full Assembly

A.3 Install 9,329 SF of insulation or light weight cementitious fill sloped to facilitate drainage

A.3 Install 660 LF of termination bar on roof edges and cap flashing to prevent uplift of the roof membrane

## **B. Window Mitigation**

B.1 Replace 5 of 84 EA – (75 SF) jalousie windows using impact resistant aluminum jalousie window with “in-kind” window and window pane sizes.

B.2 Install 1,260 SF of Hurricane shutters, clear polycarbonate Protexan panels, h-header, 2" x 2" angle track, installation hardware (drill bits, wing nut driver, machine screw anchors, machine screws, wing nuts, washers), includes shipping.

B.3 Install 5 each of weatherstripping

Note: Regarding historic structures (45 years old and older) all HMP measures should be completed in a way that best integrate the physical and visual aspects of the replaced elements. The necessary upgrade to mitigate against future similar damages is not intended to alter the physical and visual aspects.

## **BBA Proposal Scope of Work**

### **Building HVAC System**

Education Sector, Damaged HVAC components: Replacement of multiple HVAC systems in a single building

a. Disaster Damage Work Required: Remove and replace air conditioner systems units for each classroom noted in the Public Assistance Scope of Work for DI 195237 (30 each).

b. Pre-disaster condition: The existing air conditioner units above mentioned served the purpose of conditioning the classrooms. The cooling capacity was for the area, however given the type of units, the fresh air requirements were not met. All units are connected to the same electrical branch circuit and the panelboard has spaces for additional branching.

c. HVAC BBA Work required: For estimating purposes, install thirty (30) outside air compliant direct expansion (DX) 24,000 BTU A/C unit, in place of all items described in disaster related damages components of HVAC system described above for capacity to meet air exchange standard. For enclosing of Air Handling Unit (AHU), construct a mechanical closet made of insulated gypsum board walls (3 sides)

Initials \_\_\_\_\_



and a minimum 1hr fire rated hollow metal door to install necessary AHU with DX compatible coil and corresponding appurtenances such as: support base, Louver for fresh air w/ damper, supply register w/ opposed blade damper, galvanized ductwork, return air side louver, drainage piping, thermostat, 1/2" EMT conduit for thermostat control, insulated DX piping and communication cable to connect to condensing unit (CU).

d. Electric Power BBA Work required: In addition to the interior work, exterior rooftop installation (where possible) of the condensing unit will be necessary to complete the refrigeration system needing: connection of DX piping from interior (approx. 30 Ft. run) Air Handling Unit (AHU), 3#18 control cable from AHU, 5/16" clear coated galvanized two-way tie down wires. For the electrical scope both units need dedicated circuits directly from the panelboard, consider the following: 1) AHU - route new branch circuit from panelboard with 3#10 THWN copper wire in 3/4" EMT including disconnecting means (equal or similar to a 30amp Safety switch) with flexible conduit to power the unit and 2) CU –route new branch circuit from panelboard w/ 3#8 THWN copper wire in 3/4" EMT for interior and RGC when exposed to exterior and/or to impact, including disconnecting means (equal or similar to a 30amp Safety Switch) with flexible conduit to power the unit. Please account for the demolition for penetrations as well as the necessary masonry.

#### **D. Damage #195239; UPR Arcibo Building 024 Ala Central**

##### **Public Assistance Scope of Work**

###### **{00-001} General:**

- A. Prepare and paint with in-kind material, design, color, hardware and workmanship, 12,500 SF of exterior painted surfaces, 2 coats
- B. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of ceiling fan, ALU, 1000 CFM
- C. Remove and replace with in-kind material, design, color, hardware and workmanship, insulation, fiber glass, R22, 20 LF long
- D. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of window, double glass pane, 4 FTX5 FT, aluminum frame

###### **{00-002} Roofing System:**

- A. Remove and replace with in-kind material, design, color, hardware and workmanship, 1,200 SF of bituminous built-up roof
- B. Remove and replace with in-kind material, design, color, hardware and workmanship, 2 each of exhaust fan, 1000 CFM

Initials \_\_\_\_\_

C. Remove and replace with in-kind material, design, color, hardware and workmanship, 6 each of drains, 4 IN, grill

D. Remove and replace with in-kind material, design, color, hardware and workmanship, data Cable, 200 LF long

E. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of HVAC, insulated exchange box 4 FT x 10 Ft x 6 FT, ALU insulated

**{00-003} General:**

A. Prepare and paint with in-kind material, design, color, hardware and workmanship, 20,000 SF of exterior painted surfaces, 2 coats

**{01-004} Third floor Office of Dr. William Mejías (7 FT x 11 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 5 SF of ceiling, 1 Ft x 1 FT acoustic tile

**{01-005} Third floor Office of Teacher & Dr. Jasmine Pérez (8 FT x 12 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 2 SF of ceiling, 1 Ft x 1 FT acoustic tile.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, window, glass jalousie, ALU frame caulking, 34 LF long

**{01-006} Third floor Office of Dr. Marilyn Ríos (8 FT x 9 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 2 SF of ceiling, 1 Ft x 1 FT acoustic tile.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, window, glass jalousie, ALU frame, 34 LF long

**{01-007} Third floor Office of Dr. González (10 FT x 11 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 2 SF of ceiling, 1 Ft x 1 FT acoustic tile, suspended

B. Remove and replace with in-kind material, design, color, hardware and workmanship, window, glass jalousie, ALU frame caulking, 34 LF long

**{01-008} Third floor Office of Caroline Rodriguez (11 FT x 10 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, window, glass jalousie, ALU frame caulking, 34 LF long

**{01-009} Third floor Office 300 MC 07 (8 Ft x 8 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 2 SF of ceiling, 1 Ft x 1 FT acoustic tile, suspended

**{01-010} Third floor Office 300 M 06 Manuel de J Rivera (8 FT x 9 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 5 SF of ceiling, 1 Ft x 1 FT acoustic tile, suspended

B. Remove and replace with in-kind material, design, color, hardware and workmanship, window, glass jalousie, ALU frame caulking, 34 LF long

**{01-011} Third floor Office of Luisa Leonardo 300 M 05 (8 FT x 12 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 5 SF of ceiling, 1 Ft x 1 FT acoustic tile, suspended

B. Remove and replace with in-kind material, design, color, hardware and workmanship, window, glass jalousie, ALU frame caulking, 34 LF long

**{01-012} Third floor Office of René Alvarado/Julio Berra 300 M 04 (11 FTx 9 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 2 SF of ceiling, 1 Ft x 1 FT acoustic tile, suspended

B. Remove and replace with in-kind material, design, color, hardware and workmanship, window, glass jalousie, ALU frame caulking, 16 LF long

**{01-013} Third floor Office of Dr. José Candelaria & Professor Reinaldo Soto (8 FT x 9 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 10 SF of ceiling, 1 Ft x 1 FT acoustic tile, suspended

B. Remove and replace with in-kind material, design, color, hardware and workmanship, window, glass jalousie, ALU frame caulking, 34 LF long

**{01-014} Third floor Office of Dr. Evelyn Jiménez (10 FT x 8 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 8 SF of ceiling, 1 Ft x 1 FT acoustic tile

B. Remove and replace with in-kind material, design, color, hardware and workmanship, window, glass jalousie, ALU frame caulking, 34 LF long

**{01-015} Third floor Director Office (12 FT x 7FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 5 SF of ceiling, 1 Ft x 1 FT acoustic tile, suspended.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, window, glass jalousie, ALU frame caulking, 34 LF long

**{01-016} Third floor Office 300 M 01 (8 FT x 12 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 5 SF of ceiling, 1 Ft x 1 FT acoustic tile

B. Remove and replace with in-kind material, design, color, hardware and workmanship, window, glass jalousie, ALU frame caulking, 34 LF long

**{01-017} Third floor Math Office & Reception Area (23 FT x 15 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 32 SF of ceiling, 2 Ft x 4 FT acoustic tile, suspended

**{01-019} Third floor Classroom AC 304 (44 FT x 19 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 2 each of light, 2 Ft x 2 FT fluorescent, 2 tube, surface mount

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 25 SF of floor, VCT, 12 IN x 12 IN

**{01-020} Third floor Classroom AC 306 (44 FT x 19 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 3 each of light, 2 FT x 4 FT fluorescent, 2 tube, surface mount

**{01-022} Third floor Hallway (11 FT x 78 FT) + (11 FT x 36 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 4 each of light, 1 FT x 4 FT fluorescent, 2 tube, surface mount

**{01-023} Third floor Classroom Computer Room AC 306 (20 FT x 32 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 8 SF of ceiling, 2 FT x 4 FT acoustic tile, suspended.

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 2 each of light, 2 FT x 4 FT fluorescent, 2 tube, surface mount

**{03-030} First Floor Photo Lab (1) (20 FT x 7 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 56 SF of ceiling, 2 FT x 4 FT acoustic tile, suspended

**{03-031} First Floor Photo Lab (2) (25 FT x 8 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 24 SF of ceiling, 2 FT x 4 FT acoustic tile, suspended

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 3 each of light 2 FT x 4 FT, fluorescent, recessed, 2 tube

**{03-032} First Floor Photo Lab (3) (15 FT x 7 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 56 SF of ceiling, 2 FT x 4 FT acoustic tile, suspended

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 2 each of light 2 FT x 4 FT, fluorescent, recessed, 2 tube

**{03-033} First Floor Unisex Bathroom (4) (7 FT x 5 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 16 SF of ceiling, 2 FT x 4 FT acoustic tile, suspended

B. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of window, glass jalousie, ALU frame, 2x3 FT

**{03-037} First Floor Men's Room (20 FT x 7 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of window, glass jalousie, ALU frame, 2x3

**{03-038} First Floor Women's Room (20 FT x 7 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of window, glass jalousie, ALU frame, 2 FT x 3 FT

**{03-039} First Floor Hallway (8 FT x 30 FT) (17 FT x 16 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of light, 1 FT x 4 FT fluorescent, 2 tube, surface mount

**Hazard Mitigation Proposal (HMP) Scope of Work**

To prevent or reduce damages to the 2-story reinforced concrete college building in future similar events, the following mitigation measures have been proposed:

A. Paint Mitigation:

Initials \_\_\_\_\_

A.1 Replace and apply 12,500 SF of Waterproof sealer for building exterior

B. Window Mitigation

B.1 Replace and install 40 LF of Weather-stripping, window, to prevent water infiltration

C. Roof Mitigation

C.1 Replace and apply 1,200 SF of Modified Bitumen (SBS) - Full Assembly

C.2 Install 1,200 SF of Slope Improvement to improve drainage on flat roof using insulation, 2" thick on average

C.3 Install 139 LF of Termination Bar to prevent membrane loss

D. Anchoring Mitigation:

D.1 Install anchors and brackets on 3 EA – Equipment Anchoring Assembly - 10'x10'x10' Volume

E. Paint Mitigation:

E.1 Replace and apply 20,000 SF of Waterproof sealer for building exterior

F. Window Mitigation

F.1 Replace and install 356 LF of Weather-stripping, window, to prevent water infiltration

## **E. Damage #195247; UPR Arecibo Building 033 Almacen de Refrigeracion**

### **Public Assistance Scope of Work**

#### **{00-001} Building Exterior:**

A. Prepare and paint with in-kind material, design, color, hardware and workmanship, 1,164 SF of exterior painted surfaces, 2 coats

#### **{00-002} Roofing System:**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 1,418 SF of galvanized ribbed metal deck

#### **{01-004} First Floor Refrigeration Shop & Storage (12 FT x 27 FT) + (13 FT x 16 FT):**

A. Remove and replace with in-kind material, design, color, hardware and workmanship, 1 each of light, 1 FT x 4 FT fluorescent, surface mounted.

**Hazard Mitigation Proposal (HMP) Scope of Work**

To prevent or reduce damages to the 1-story reinforced concrete college building in future similar events, the following mitigation measures have been proposed:

A. Paint Mitigation:

A.1 Replace and apply 1,164 SF of Waterproof sealer for building exterior

B. Metal Roof Mitigation

B.1 Apply 1,418 SF of Metal Roof Coating - Elastomeric roofing with mesh reinforcement on corrugated metal to reduce water infiltration

B.2 Install 1,418 SF of Exterior Metal Panel Fastening to better secure roof by SF.