

PHASE 1:
Arenas Community Center, Guánica
Emergency Center



Equipo de Voluntarios / Volunteering Group



Yanel de Angel

FAIA, Principal,
Perkin&Will / Co-founder
resilientSEE-PR



Tamara Perez

Designer, AiT, AIA Associate
/ resilientSEE-PR



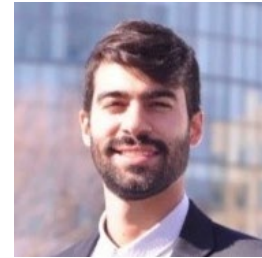
Gaston Saboulard

Designer, Toro Arquitectos
/ resilientSEE-PR



Nicole Ferrer

Designer, Perkins&Will
/ resilientSEE-PR



Manuel Fontan

Engineer, PE, LEED AP,
Resilient Equities /
resilientSEE-PR



Bryan Markkanen

Architect, AIA, Elliott
Workgroup / Individual
Collaborator / resilientSEE-
PR



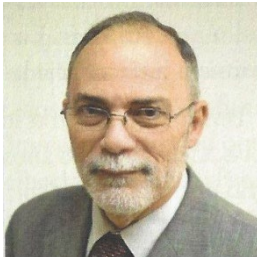
Marc Wouters

Architect & Urban Planner,
RA, Marc Wouters Studio
/ resilientSEE-PR



Jesabel Rivera

MPH, CHES, Community
Impact & Engagement
Solutions, Co-founder
Voluntariado de Ingenieros



Ruben Velez

PE, Senior Engineer,
Voluntariado de Ingenieros

ARUP

- Leah Morales
- Kyle Cepeda

Unidos por Arenas, Inc.

- Luis Omar García-Mercado
- Sofia Ramos, secretaria
- Luz
- Virgen Rosado
- Juana Santiago Matos

- Sofia Ramos Bonilla
- Heidi Lopez

- Lillian

Nuestra Escuela

- Angel Perez Soler

Project Objectives

Transform the school into a resilient community center.

Evaluate existing building systems.

Develop an implementable concept.

Recommend strategies to transform the building and equip it.

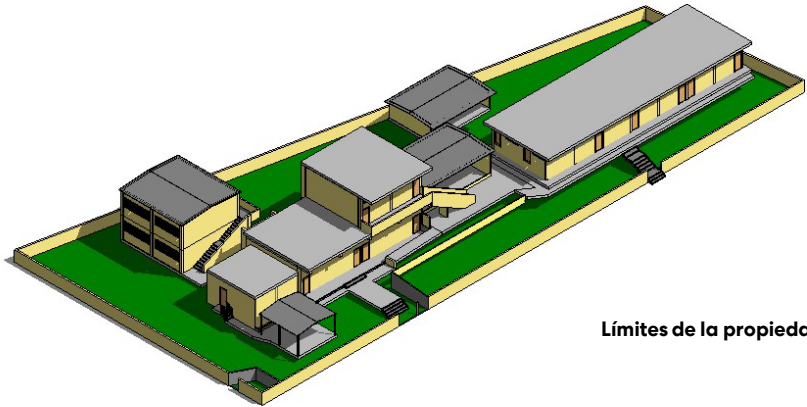
Help the community raise funds by providing technical assistance and drawing illustrations.



Escuela María del Rosario C. Claudio



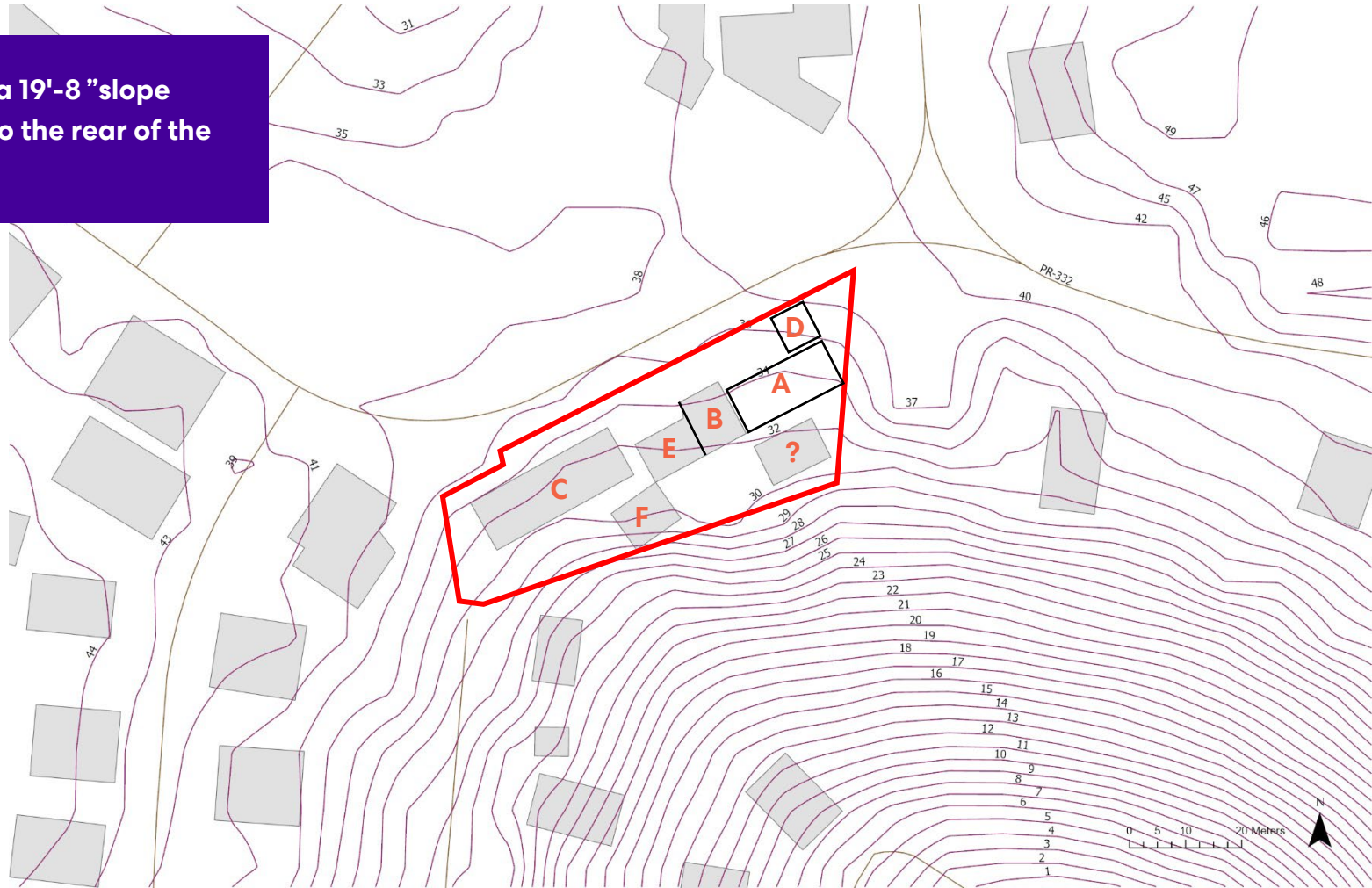
**The María del Rosario
C. Claudio School is
located on Main
Street - route 332 -
Comunidad Arenas,
Guánica, P.R.**



→
Límites de la propiedad



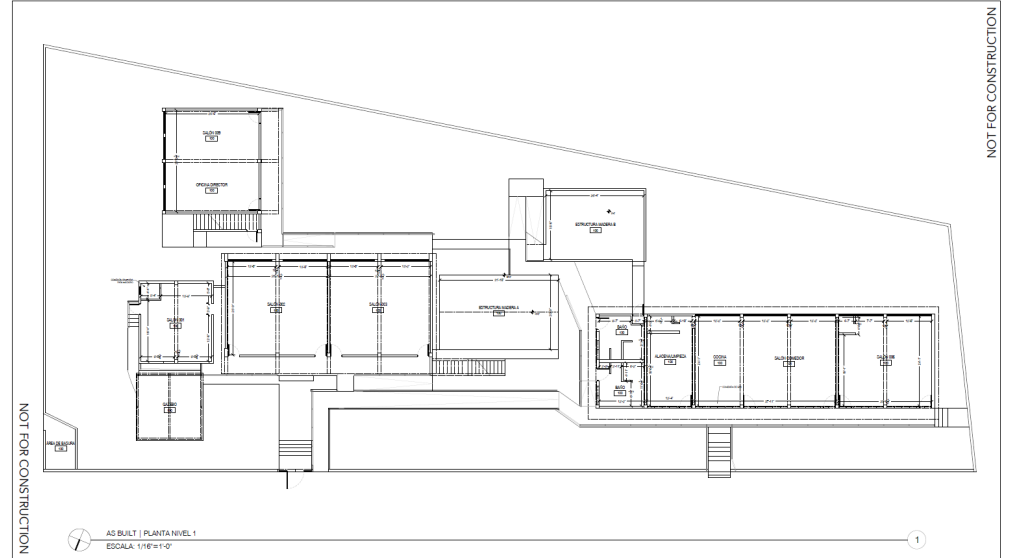
Site plan shows a 19'-8" slope from the street to the rear of the property.



→
Site plan with topographic heights at 1 meter average.

Project Activities

- ✓ Site Visits
- ✓ As-Built Documentation
- ✓ Existing Conditions Assessment
- ✓ Structural Certification
- ✓ Solar Panel System Peer Review
- ✓ Program & Adjacencies
- ✓ Architectural Room Layouts & Equipment List
- Implementation Grants / Donations



A 20XX	PROJECT INFO	CLIENT INFO	REVISIONS	DRAWN BY	SHEET NO
	Escuela María R. C. Claudio Calle Principal Guilinoa, PR 00653	Client Name / Client Name 787.xxx.xxxx / 787.xxx.xxxx	01 Primer borrador TEPH 20 ENERO 2020	Tamara Elena Pérez Hernández, AIT CAAPPR No. 21927 / 787.438.2004 tamara.elena.perez@gmail.com	A001

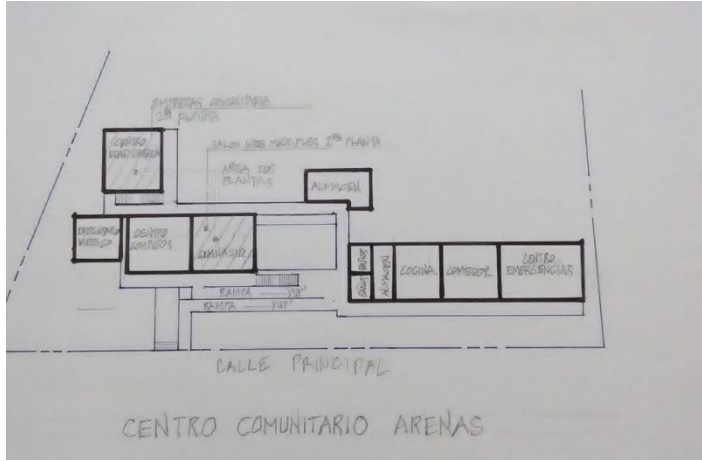


→
View from Main Street

NOT FOR CONSTRUCTION



Existing ramp system and existing stairs.



GOBIERNO DE PUERTO RICO
COMITÉ DE EVALUACIÓN Y DISPOSICIÓN
DE BIENES INMUEBLES

RESOLUCIÓN 2020-117

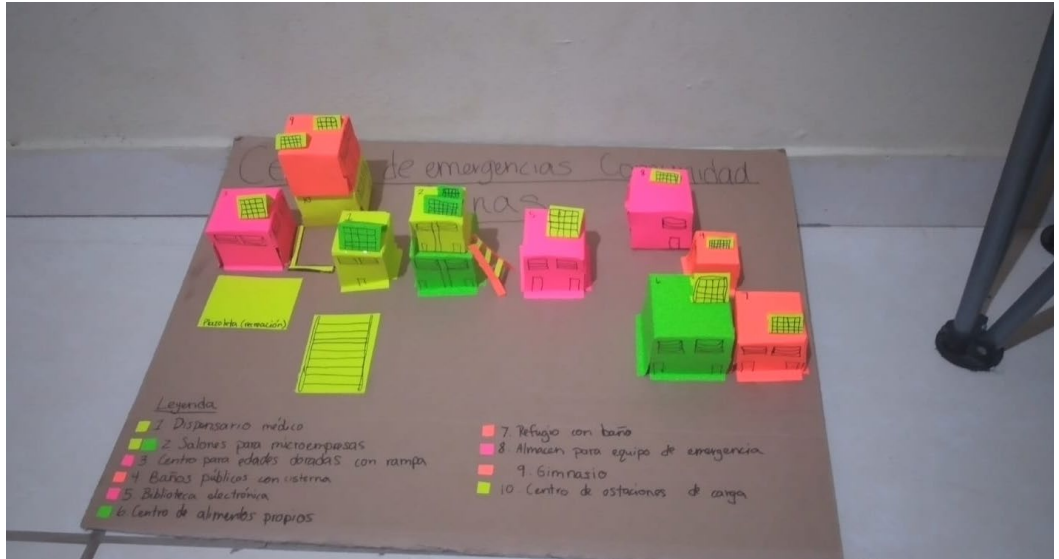
26 DE OTUBRE DE 2020

RESOLUCIÓN DEL COMITÉ DE EVALUACIÓN Y DISPOSICIÓN DE BIENES INMUEBLES, PARA AUTORIZAR AL DEPARTAMENTO DE TRANSPORTACION Y OBRAS PÚBLICAS A SUSCRIBIR UN CONTRATO DE ARRENDAMIENTO CON LA ENTIDAD UNIDOS POR ARENAS INC. PARA OCUPAR Y UTILIZAR EL PLANTEL ESCOLAR EN DESUO MARIA DEL ROSARIO C. CLAUDIO, LOCALIZADO EN GUÁNICA.

POR CUANTO Mediante la Ley Núm. 26-2017, Ley para el Cumplimiento con el Plan Fiscal (en adelante "Ley 26"), se declaró como política pública la mejor utilización de las propiedades inmuebles en desuso, con el propósito de allegarle mayores recursos al erario, y propiciar que dichas propiedades sean utilizadas para actividades de bienestar común y/o desarrollo económico, creando un procedimiento eficiente y eficaz de vean de propiedades inmuebles.

POR CUANTO A tales fines, la Ley 26, creó el Comité de Evaluación y Disposición de Bienes Inmuebles (en adelante, el "Comité") con el objetivo de ejercer todas las facultades necesarias para disponer de los bienes inmuebles de la Rama Ejecutiva. Actualmente, el Comité se rige conforme las disposiciones del Reglamento Único de Evaluación y Disposición de Bienes Inmuebles del Gobierno, Reglamento 9133 de 9 de diciembre de 2019 (en adelante, el "Reglamento Único").

POR CUANTO Unidos por Arenas, Inc. es una corporación sin fines de lucro debidamente inscrita en el Departamento de Estado con el número 442326 (en adelante, la "Entidad"). El 22 de julio de 2020 se recibió propuesta del Sr. Luis O. García Mercado, Presidente de la Entidad, en la cual solicita el arrendamiento para ocupar y utilizar



Arenas Community Emergency Center

Spaces Program

First floor

- Golden Age Center
- Medical Dispensary →
- Computer center →
- Gym →
- Warehouse (2) →
- Toilets →
- Kitchen
- Dining room →
- Emergency Center →
- Community Garden →

Community Services (flexible)

- Physical Health
- Mental health
- Legal Help
- Safe Housing and Inspection
- Community Reintegration

Training / Tutorials / Studies

Machines & Weights

Food vs Equipment

Gender Inclusive

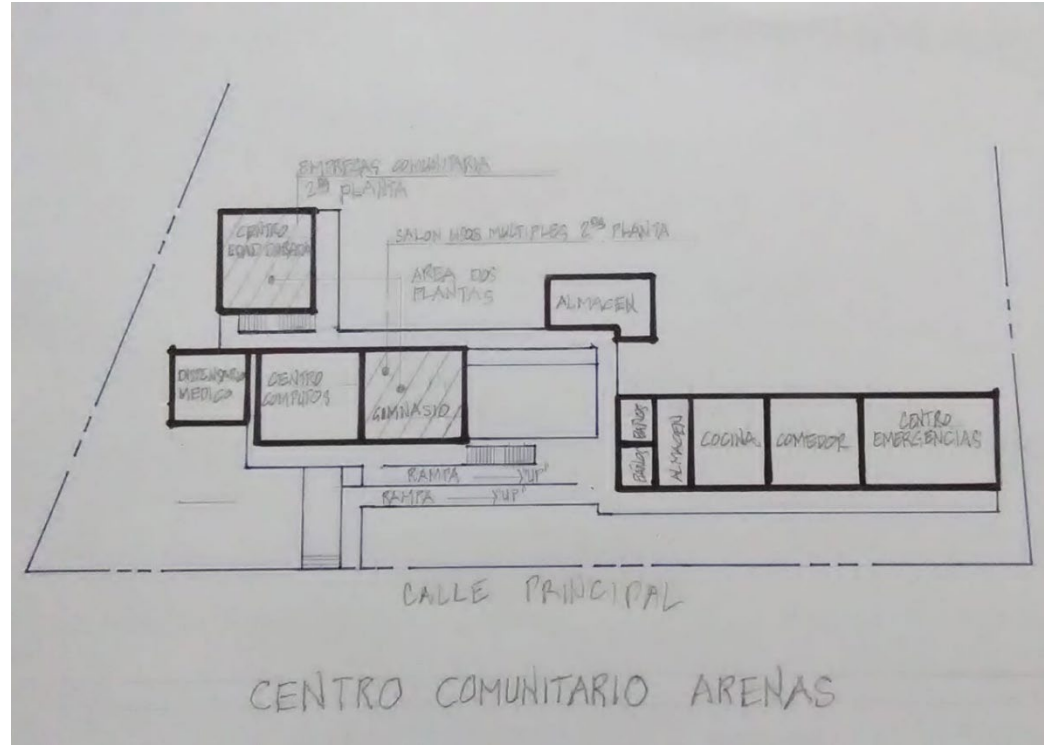
Multipurpose room

Administration & Communication

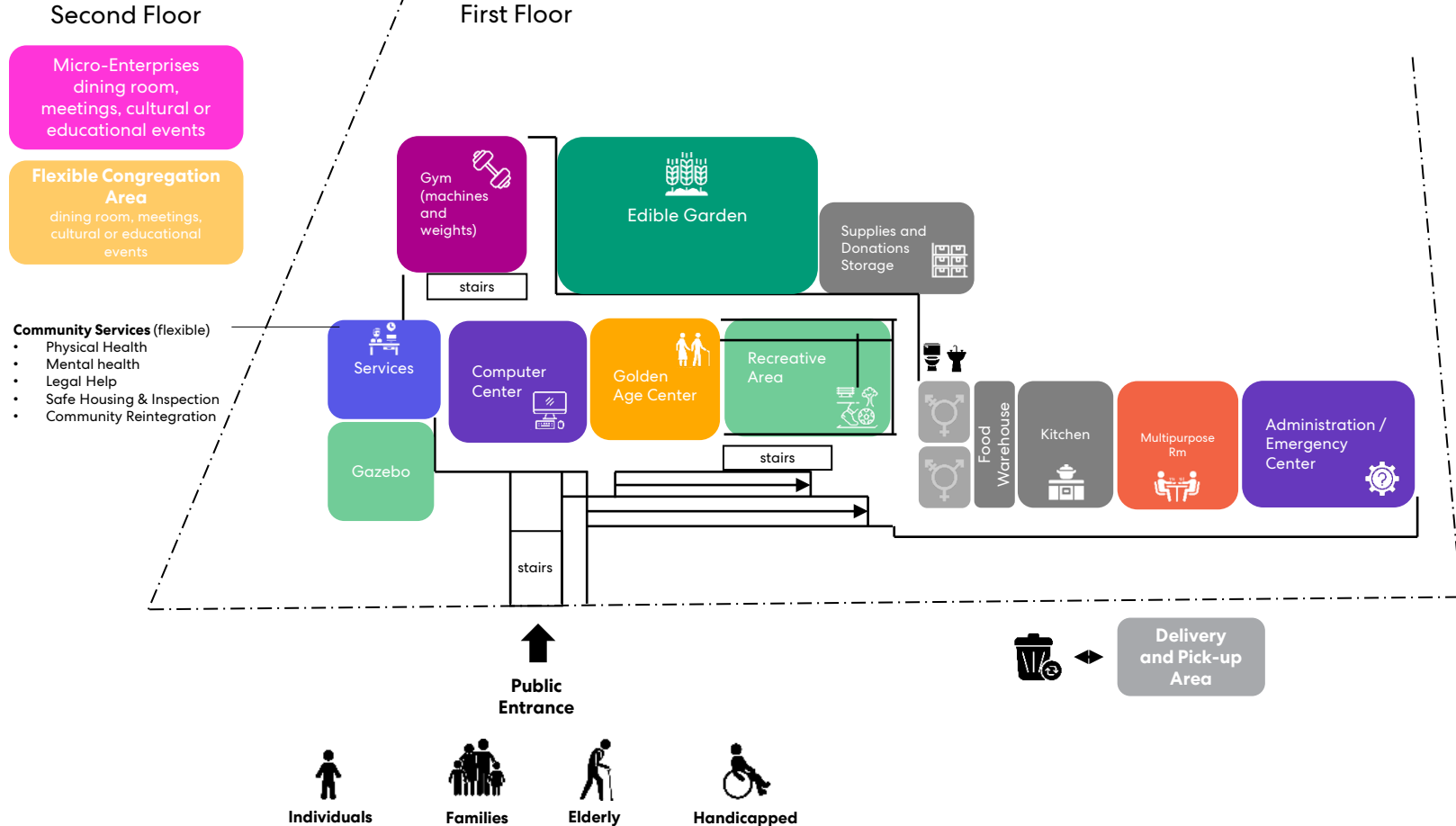
Food Bank

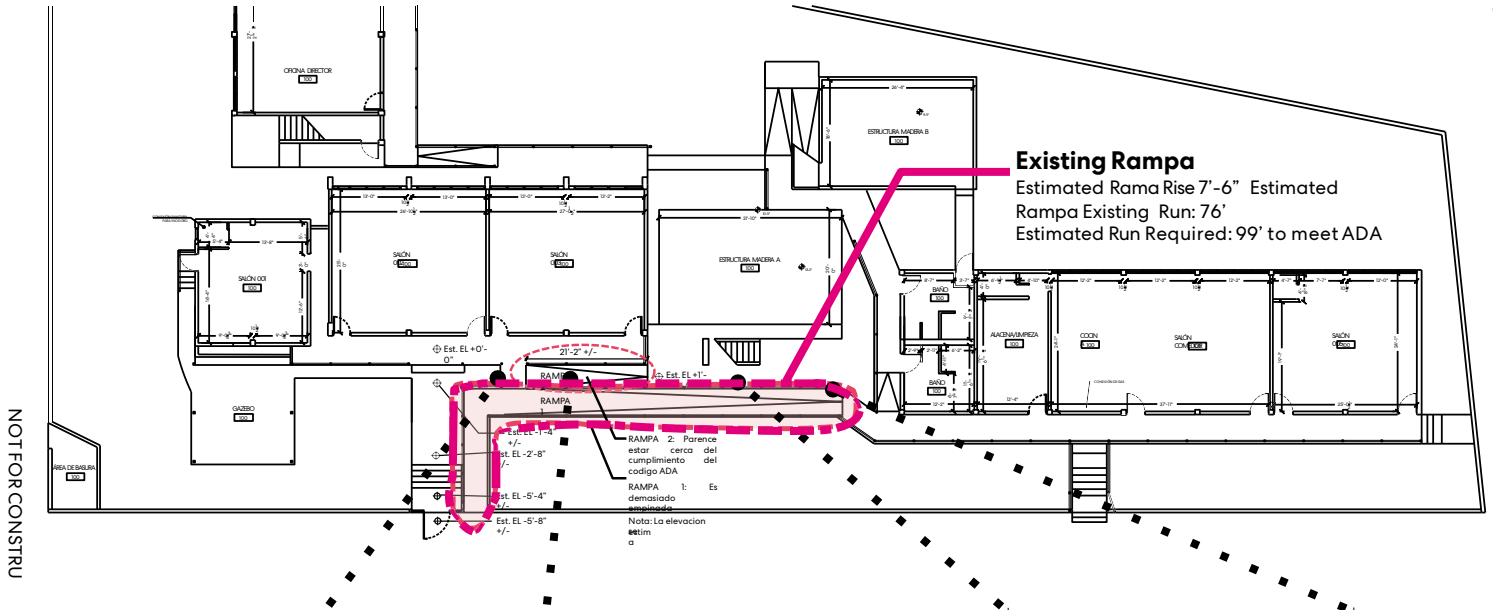
Second Floor / Require elevator to comply with ADA regulation

- Community Micro-Enterprises
- Multiple uses



Spaces and Adjacent Programs





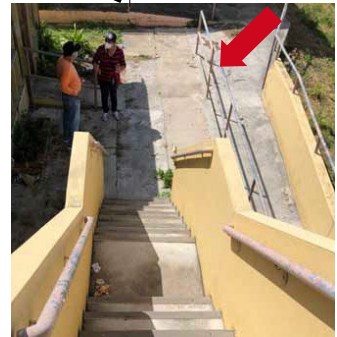
Confusing Entry Circulation



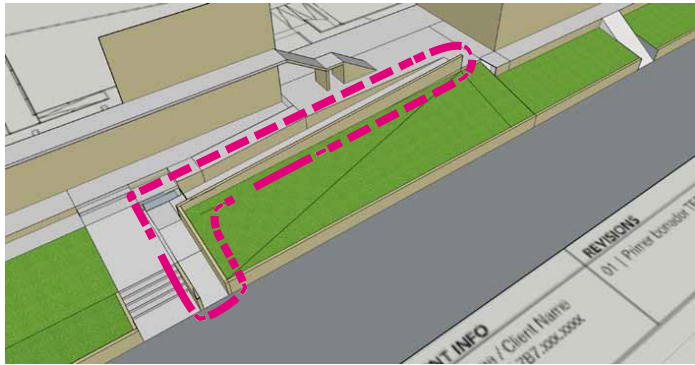
Tight Walkway Adjacent to Stair Between Buildings



Rampa Too Steep

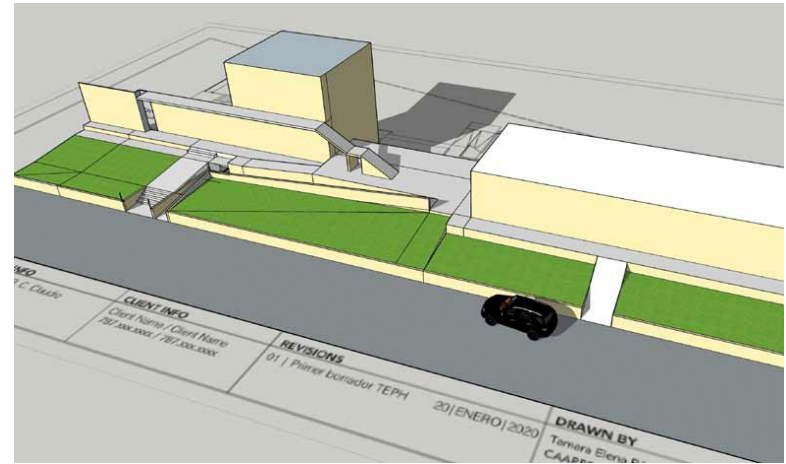


Confusing landing and railing configuration at base of stair



Existing Rampa

Estimated Rampa Rise 7'-6" Estimated Rampa Existing Run: 76'



Existing Aerial View



View of two rampas side by side
Conceptual Proposal March 5, 2021



View of proposed filling of existing rampa to widen connection between buildings



Alternate 1. Basic Rampa Alternative

Estimated Rampa Rise 7'-6"

Estimated Rampa Run: 99' including required landings

NOT FOR CONSTRUCTION



Aerial View



View From Street Entrance

Conceptual Proposal March 5, 2021





Alternate 2. Rampa with Outdoor Classroom

Estimated Rampa Rise 7'-6"

Estimated Rampa Run: 99' including required landings

NOT FOR CONSTRUCTION



Aerial View



View From Street Entrance

Conceptual Proposal March 5, 2021



Outdoor Stepped Area for Classroom / Meetings

Structural System

URGENT REPAIRS

1. Bending Failures in Two Beams: It is expensive to repair, but with FRP (Fiberglass Reinforced Plastic) it will be easy to install.

2. In most spaces, the block wall adheres to the column producing the **short column effect.** The infill concrete block wall is not directly connected to the column, but there is a joint. It is expensive to fix but a wall strip needs to be replaced and a rubber filler applied to allow the spine to flex.

3. Cracks in the floor of the Principal's Office on the second level.

4. Large crack in dining room column, should be investigated as oil paint is masking it. This also happens elsewhere.

→
Observations

1.



2.



3.



4.



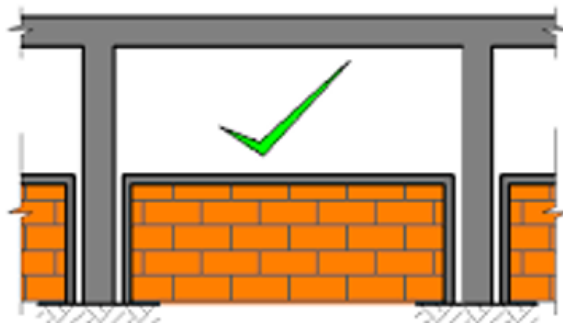
Structural System

OTHER REPAIRS AND RECOMMENDATIONS

General deterioration, exterior cracks must be sealed to prevent moisture and water from entering the walls.



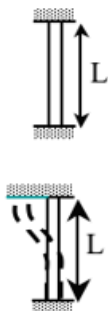
“Short Column Condition”



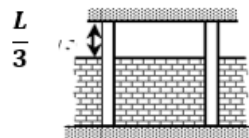
Ductile flexural failure is desired. If detail for assumed full column length case is used, fails in shear.

Full Length Column

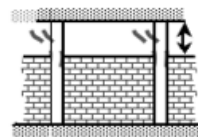
Short Column



$$V = \frac{2 \times M_p}{L}$$



$$V = \frac{2 \times M_p}{L/3}$$



$$V = \frac{6 \times M_p}{L}$$



PHASE 2:
Arenas Community Center, Guánica
Emergency Center

Community Kitchen Design

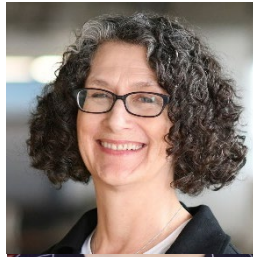


Equipo de Voluntarios / Team of Volunteers – Diseño Cocina Comunitaria / Community Kitchen Design



Yanel de Angel

FAIA, Principal,
Perkin&Will / Co-founder
resilientSEE-PR



Andrea White

Interior Project Designer,
Perkins&Will
/ resilientSEE-PR



Paola Santiago

Designer, Perkins&Will
/ resilientSEE-PR



Trisha Gittings

Designer, Perkins&Will
/ resilientSEE-PR



Tarah Schroeder

Executive Principal
Ricca Design Studios



Jeremy Kittelson

Principal
Ricca Design Studios



Carly Maszle

Associate
Ricca Design Studios



Amazing kitchen and back-of-the house design!
resilientSEE-PR is thankful for the Ricca team partnership!



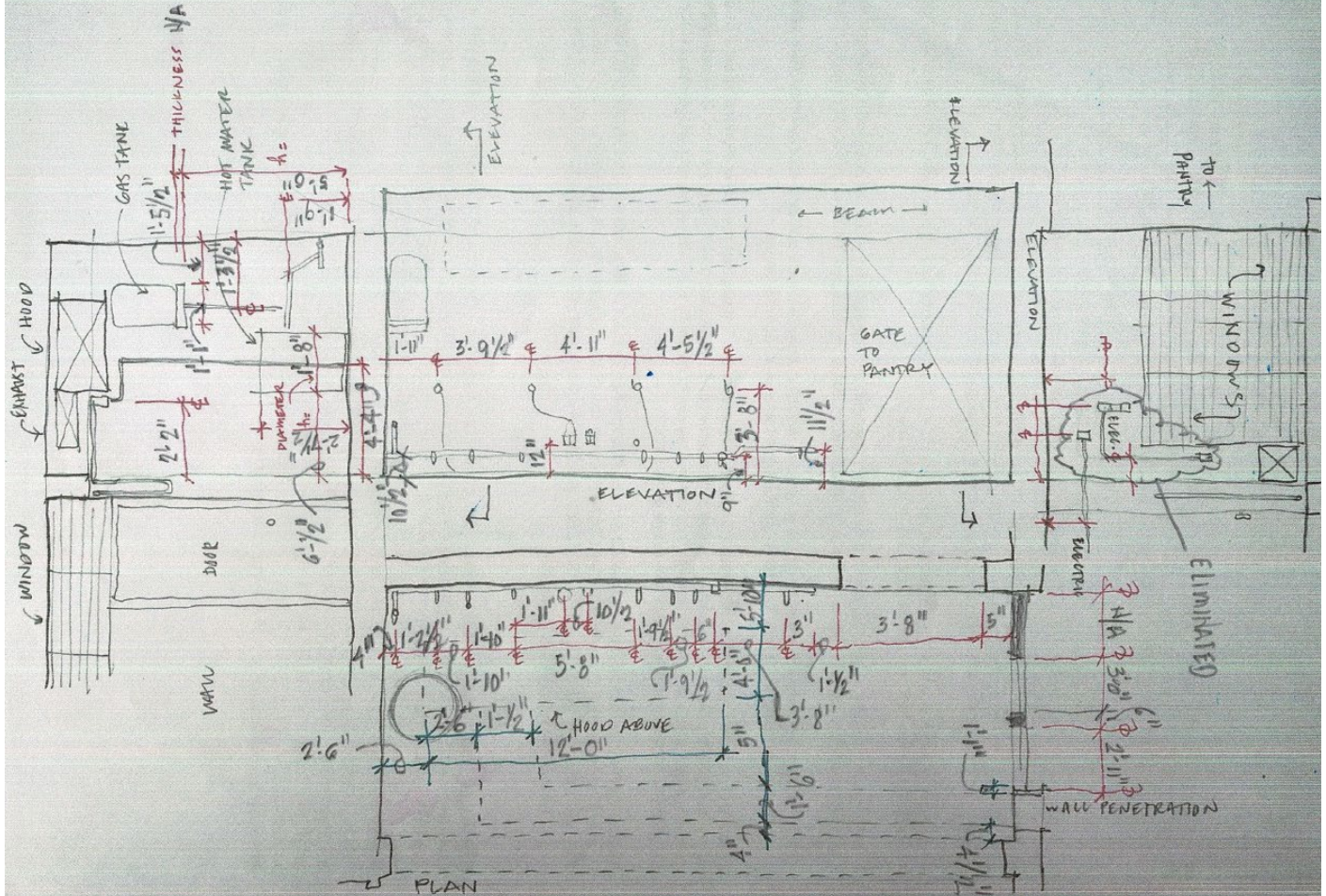
We are thankful to Robert White from Envision Strategies (partner to Ricca Design Studios) for helping with project kick off.

Existing Kitchen

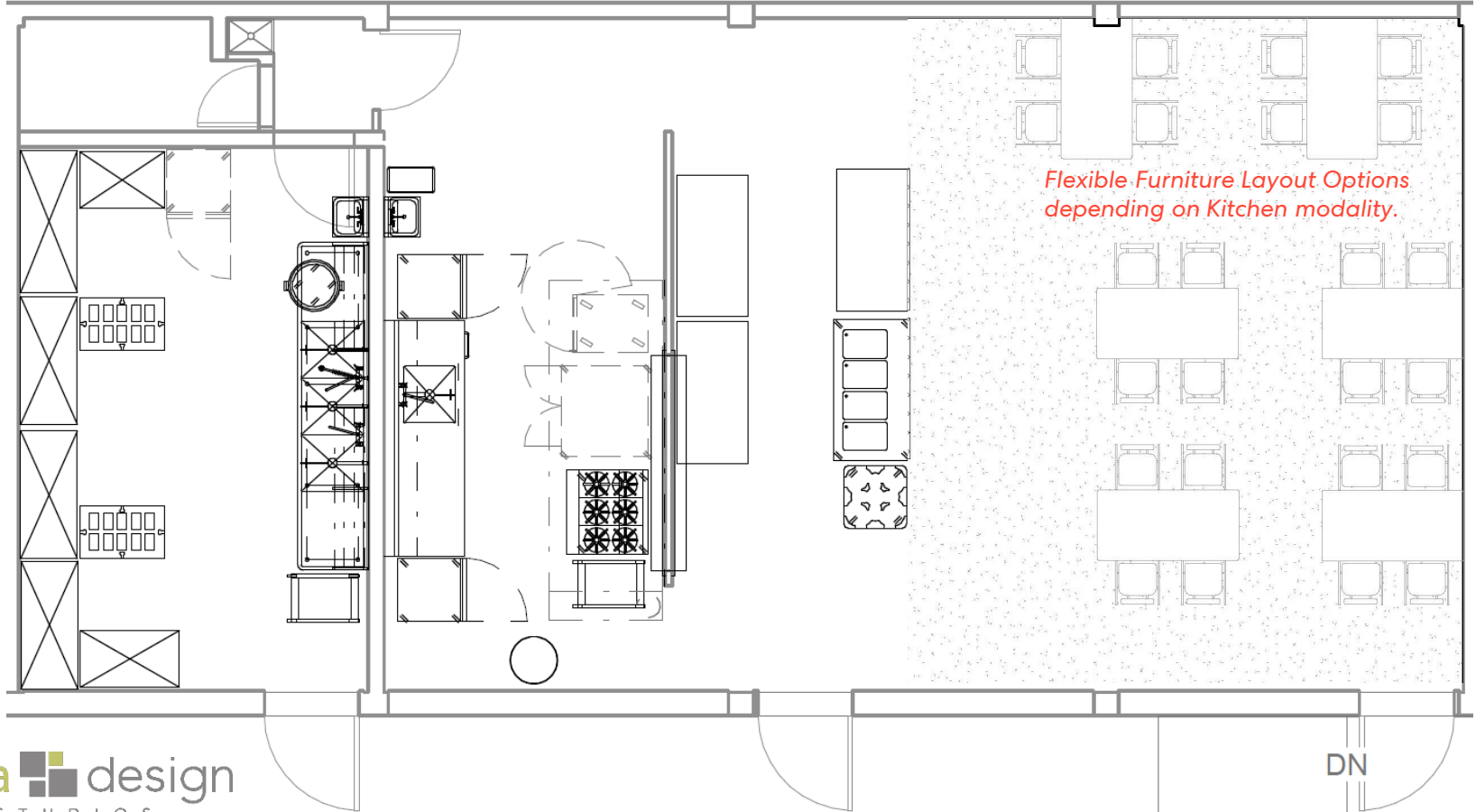


As-built drawing

COMMUNITY KITCHEN - ARENAS



Equipment Plan



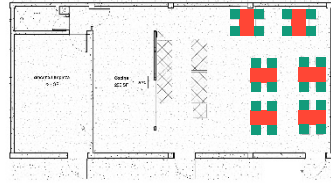


Kitchen views

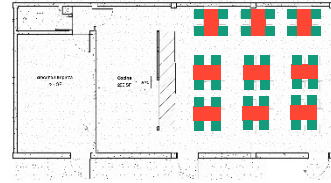
Dining Furniture Layout Options



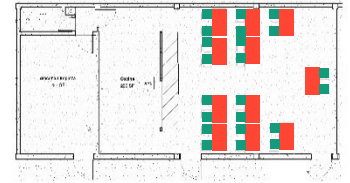
Dining Option 1



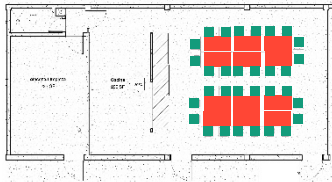
Dining Option 2



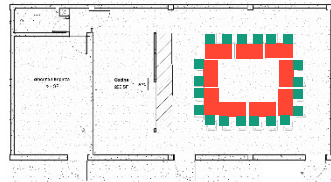
Dining Option 3



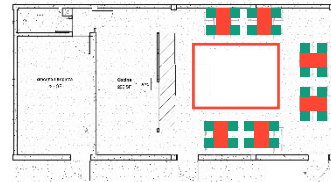
Presenter Option



Meeting Option



Meeting Alternative Option



Ballroom Option

THANK YOU.