On June 3rd, 2019, Engineers Without Borders USA sent a team of Engineers to Mozambique to conduct a post Cyclone Idai and Kenneth scoping mission in partnership with the United Nations Development Programme (UNDP).

The team included, Mike Paddock, EWB-USA Chief Engineer (far left); Elizabeth Diaz, EWB-USA Nicaraguan Staff Engineer (middle); Vinicius Frujita, an Environmental Engineer from Brazil (second from right); and Rodrigo Edson Avila, Structural Engineer and Vice President of Engineers Without Borders-Brazil (far right).

Over the course of 27 days the team met with government officials, sat in dozens of meetings to set the priorities of the response, and inspected over 30 government and public buildings with an estimated repair amount of $3.5M.

**MAJOR TASKS**

1. **Assessment of local capacity of engineers, architects and contractors**
   The EWB team met with society of engineers, architects and contractors in Beira and Sofala province to determine the local capacity to address post-disaster infrastructure challenges in the region.

2. **Review of Mozambican construction code**
   The EWB team reviewed current design and construction codes and included suggestions to include in the immediate term as structure guidelines for all government buildings.

3. **Rapid Assessment of government buildings and budget**
   The EWB team supported UNDP by doing a rapid assessment of 30 government buildings in the city of Beira including: Provincial Police Department, Department of Defense Training Center, Ministry of Justice and Electoral Services.
4. Household Model Design, construction manual and budget
The EWB team designed and created a physical model for an example home with a resilient core frame and roof. The owner can choose to fill the walls with their chosen material (stick and mud, clay bricks or concrete blocks) depending on their preference and financial capacity.

5. UNDP Office Building Assessment
The EWB team also assessed three municipal buildings per request of UNDP as potential offices for the response.

In the next few months EWB will focus on the following tasks:

- Supporting the government in the elaboration of the structural guidelines for public buildings in Mozambique
- Training government and private sector engineers in the structure guidelines
- Training contractors and mason on resilient construction practices
- Building an example house with a resilient core and roof
- Hiring a local engineering firm to support UNDP reconstruction program
- Safely removing asbestos

*If you are interested in assisting with the UNDP Mozambique project or with similar work, we invite you to apply to join our Disaster Response and Recovery team [here](#).*