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WHAT IS ENGINEERS WITHOUT BORDERS?

EWB-RHIT is part of the national Engineers Without Borders USA organization. EWB-USA is a non-profit humanitarian organization established to partner with developing communities worldwide in order to improve their quality of life. Since its founding in 2000, EWB-USA has run more than 80 projects in 35 countries. The projects we work on are initiated by and completed with contributions from the host community, which helps ensure that our work will be maintained after we leave.

Our **VISION** is a world where every leader is equipped to build and every community is built to thrive.

Our **MISSION** is to partner with communities and develop leaders to build a better world.



Current Project Background

The El Sembrador School is a fisco-misional (public/private partnership) school located in Ecuador, that currently serves about 120 students in grades K5-7. The community's hopes are for the school to be able to serve up to grade 12, however with the existing structure that is just not possible. Our project consists of helping to expand those existing facilities, by completing a structural analysis of the structure, designing and making structural improvements, constructing walls, designing and building a retaining wall and completing various finishes.



Updates on Project:

Seismic Loading:

The chapter has been working through active seismic loadings on the structure and analyzing to see where in the structure there need to be improvements added.

Roof Status:

The roof is currently under re-evaluation with the ash loading on the structure removed. Government of Ecuador does not require ash loading to be considered when analyzing the load on a structure.

Foundational Strength:

A plan has been created on where and how to increase the size and strength of the foundations.



Future Plans/ Next steps

Finalizing the designs for structural walls where placement has already been determined

Finalize the roof evaluations and determine structural improvements if the re-evaluation determines they are needed

Planning for a phase 1 travel trip to Ecuador the last week of August



Fundraising & Marketing:

This quarter fundraising and market put together two fundraisers to support the building of this project. With support from students, faculty, and the community both were able to be labeled a success. Be sure to look out for fundraising events for Engineers without Borders in the future

Dodgeball Tournament:

The annual Engineers without Borders dodgeball tournament took place on October 19th. Groups across campus showed support including Greek Life at Rose, Res Life, and the Rose Softball team. Congrats to The Doge Fathers, Alpha Tau Omega's dodgeball team on the win.



 [instagram.com/ewb.rhit](https://www.instagram.com/ewb.rhit)

MOD Pizza:

To bring the quarter to an end Engineers without Borders held a MOD Pizza fundraiser. It was a night of good pizza and a chance to bring the club together.

Look forward to future events like Valgrams!

Interested in helping support the project?

<https://drive.google.com/file/d/1Hlc93h53b-tpzZDH3zstJzLsLdmQqy3Y/view?usp=sharing>

Want to know about the current and past Projects?

<https://wordpress.rose-hulman.edu/ewb/>

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ENGINEERS WITHOUT BORDERS
ROSE-HULMAN INSTITUTE OF TECHNOLOGY CHAPTER



Community Involvement:

This quarter the chapter strived to make an impact in the community. The Rose-hulman chapter of EWB showed out for Fall day of service, Trees, and Bikes for Tikes. Thank you to all of the organizers of these events and to the members that showed up to make a change.



Member Shoutout



Sam Garcia

Sam is a freshman ME and has gone above and beyond for the chapter. Sam volunteered to ref for EWB dodgeball, showed up to plant trees with Tress Inc., and has been actively involved in the helping with finalizing plans for the school in Ecuador



David Lincoln

David is a senior and has been an integral part to our chapters success. From travel to ecuador at the start of this project, to switching majors, to being a huge aspect of our foundational and technical design of the school.

Chapter Updates

Officially have New Executive team! Transitions will take place in the upcoming weeks. Look forward to the New Exec shoutout next installment.

EWB Nationals is holding a conference in Charlotte, North Carolina. The Rose Chapter will be sending nine members to meet other chapters and gain new knowledge for the club at the end of quarter break!