



Timber Strong Design Build Team 2026–2027

SPONSORSHIP PROPOSAL

University of Puerto Rico at Mayagüez
Department of Civil Engineering and Surveying





TABLE OF CONTENTS

Captain's Message	3
How does our team works?	4
Meet the Executives of Our Team	5
Who Are We?	6
Our Mission	6
Our Vision	6
Awards	6
The Competition	7
The Practical Project	8
Current Situation	9
Financial Summary	10
How You Can Contribute	11
- Mentoring, Training and Technology	12
Benefits to Our Sponsors	13
- Sponsorship Matrix	14
- Example of Sponsor Promotion	15
How Can You Help Us?	16
Sponsorship and Donation Form	18

Captain's Message

Greetings,

My name is Isaac E. Rodríguez Santiago, and I am the Captain of the UPRM Timber-Strong Design Build Team for the 2026–2027 cycle. Our team is more than a student competition; we operate as a high-performance Design Build firm where Civil Engineering students from the University of Puerto Rico at Mayagüez represent Puerto Rico with technical excellence and professional integrity at the national stage of the American Society of Civil Engineers (ASCE) Southeast Student Symposium.

We have already proven our capacity for execution by securing our own 7' x 16' cargo trailer and establishing key partnerships with industry leaders. However, to reach the next level of professional development and compete at the national stage, we face significant logistical and operational hurdles.

Our goal with this proposal is to invite you to become a strategic partner in our journey. Your support will not only provide the resources necessary for our maritime logistics, specialized tools, and materials, but it will also directly impact the formation of the next generation of Puerto Rican engineers. We seek partners who believe in technical rigor, innovation, and the power of hands-on experience.

I invite you to explore the following pages to learn more about our mission, the challenges we are overcoming, and how your collaboration can leave a lasting mark on our professional careers.

Sincerely,



Isaac E. Rodríguez Santiago
Captain, UPRM Timber-Strong Design Build Team
University of Puerto Rico at Mayagüez

How does our team work?

The 2026–2027 team is made up of 15 talented students, led by a Captain and a Co-Captain. The team is divided into 3 departments: Structural Analysis, Structural Design, and Management and Operations.



Departments:

Structural Design

Responsible for transforming engineering concepts into detailed plans, spatial modeling, and efficient construction solutions. This group designs the physical architecture of the project, seeking the ideal balance between technical innovation, functionality, and feasibility in the construction field.

Structural Analysis

Responsible for performing mathematical calculations, strength simulations, and load analyses to ensure the structure meets the strictest safety standards. Its technical work guarantees that every component of the project optimally withstands the physical demands of the competition.

Management & Operations

This department manages the team's overall logistics, budget, finances, and corporate relations, including sponsorship and endorsement management. Its focus is on ensuring operational efficiency and securing the necessary resources for the entire project to run smoothly and on time.

Meet the Executives of Our Team



Team Captain

Isaac E. Rodríguez Santiago
isaac.rodriguez7@upr.edu
(939)297-9125



Team Co-captain & Structural Design Department Leader

Jorge E. Mendez Rodríguez
jorge.mendez7@upr.edu
(787)237-0431



Structural Analysis Department Leader

Jorge A. Cepeda Bonilla
jorge.cepeda@upr.edu
(939)400-5660



Management & Operations Department Leader

Lorena V. Muñoz Rubi
lorena.muniz@upr.edu
(787)342-4362



Construction Leader

Paola N. Santiago De Jesús
paola.santiago55@upr.edu
(787)674-5561

The leadership of the UPRM Timber-Strong Design Build Team for the 2026–2027 cycle is defined by its high level of professionalism and a culture of continuous improvement. Our executive board is composed of dedicated Civil Engineering students who have transitioned into specialized roles, mirroring the structure of a professional engineering firm. This year, our leadership focuses on solidifying our operational workflows through BIM integration, optimizing structural performance, and managing complex logistics to represent Puerto Rico with the highest standards of excellence. Together, we lead a multidisciplinary team, fostering a collaborative environment where innovation meets hands-on experience to build the future of our industry.

Who Are We?

The UPRM Timber-Strong Design Build Team is a high-performance engineering organization composed of students from the University of Puerto Rico at Mayagüez who operate under the standards of a professional firm. We specialize in the conceptualization, structural analysis, and construction of a timber-based designs while integrating technology, project management, and sustainable practices to solve complex infrastructure challenges at the highest regional and national levels of the ASCE Student Symposium.

Our Mission

Our mission is to foster the holistic development of engineering and design students through participation in hands-on competitions that integrate the planning, design, and construction of wood structures. We seek to promote sustainability, structural innovation, and architectural creativity while strengthening technical skills, teamwork, leadership, and professional responsibility. We represent the University of Puerto Rico – Mayagüez Campus with commitment, excellence, and pride.

Our Vision

To be a leading national team in sustainable wood design and construction, recognized for our technical excellence, creative innovation, and commitment to the professional development of future engineers. We aspire to make a positive impact on the academic community and the construction industry through projects that integrate environmental responsibility, structural efficiency, and architectural aesthetics.

Awards

2022	2023	2024	2025	2026
				
Overall Score	Overall Score	Overall Score	Overall Score	Overall Score
				
		BIM Model Category	BIM Model Category	

The Competition

ASCE Southeast Student Symposium: Timber-Strong Design Build

Our participation is part of the ASCE Southeast Student Symposium, a prestigious event organized by the American Society of Civil Engineers (ASCE), the world's largest and most influential civil engineering organization. Specifically, we competed in the Timber-Strong Design Build challenge, one of the most dynamic and technical competitions at the regional symposium.

A Platform for Excellence and Innovation

The symposium brings together leading universities from the Southeast region to assess the talent, technical skills, and execution capabilities of future industry professionals. The Timber-Strong Design Build challenge requires teams to design, plan, and construct a timber structure to rigorous engineering standards, complying with international building codes and demonstrating structural efficiency under real-world load testing.

The Impact of Representing Puerto Rico

For our team, participating in this ASCE-backed event means positioning Puerto Rican talent on a world-class competitive stage. This platform allows us to:

- Demonstrate the technical rigor and innovative capabilities of our students to international peers.
- Foster collaborative networks and professional development with leaders in the construction industry.
- Elevate the reputation of our institution and our sponsors through outstanding and rigorous participation.



The Practical Project

From Internal Practice to Constructive Challenge: Sustainability and Learning

To ensure flawless execution at the symposium, our team doesn't limit itself to theory on paper; we develop an internal Practical Project that serves as a training workshop and real-world testing ground. Each year, this project evolves to meet the team's actual needs and foster a strong culture of sustainability.

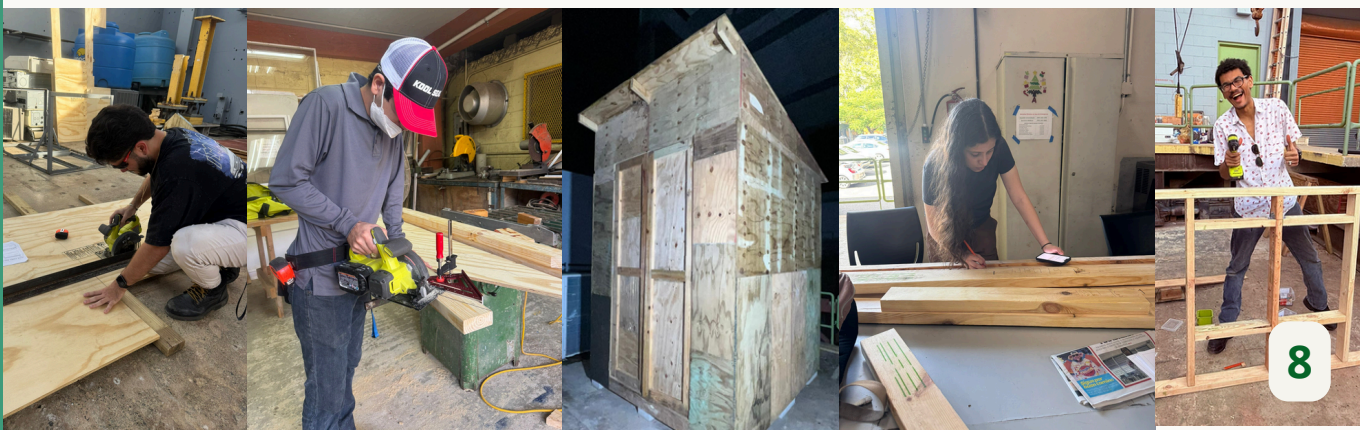
Evolution of Our Practical Projects

- **Last Year's Challenge (Building a Shed):** Having been granted a physical workspace, we faced the challenge of not having a secure place to store tools, materials, and products. To solve this operational need, the team designed and built a shed from scratch. This not only gave us a functional storage space but also became our first major test of structural carpentry and resource management.
- **This Year's Challenge (Doghouse Construction):** This season's practical project involves designing and assembling doghouses. This exercise challenges the team to optimize limited spaces, improve aesthetic finishes, and apply quick and efficient construction solutions while maintaining the same quality standards as the main competition.

The Sustainable and Educational Axis

Both projects share an unwavering philosophy: the reuse of structures and materials from past competitions. With this approach, we achieve a dual purpose:

1. **Environmental Sustainability:** We minimize construction waste by recycling and giving a second life to wood materials.
2. **Practice and Continuous Learning:** We simulate the pressure, decision-making, and logistical challenges of the real competition, allowing each member to gain direct, hands-on experience before the official event.



Current Situation

From Design to Reality

Our team has reached a pivotal milestone in our journey toward the 2027 ASCE Southeast Student Symposium. After months of rigorous structural modeling and strategic planning, we have successfully transitioned from a conceptual student group to a high-performance Design Build entity. We have already secured our primary logistics asset: a 7' x 16' cargo trailer that serves as our mobile headquarters and transport hub.

However, operating from an island presents unique and significant challenges that differentiate our journey from mainland competitors. To represent Puerto Rico at the highest level, we must overcome the following critical hurdles:

- **Maritime & Inland Logistics:** Transporting a full-scale timber structure and a heavy-duty trailer across the Atlantic Ocean involves complex maritime shipping logistics and substantial transit fees. This is our most significant operational expense.
- **Technical Precision & Tooling:** While our primary structural timber is secured through valued partnerships, the assembly of a competitive, high-performance structure requires specialized power tools, precision machinery, and high-grade safety equipment that currently exceed our departmental budget.
- **Operational Sustainability:** Maintaining our logistics fleet (trailer maintenance, insurance, and fuel) and ensuring the safe travel of our multidisciplinary team requires a robust financial foundation.

We have the talent, the technology (BIM/Revit), and the drive. We now face the "final mile" of our project: securing the financial resources to move our innovation from the laboratory in Mayagüez to the national stage in the United States. Your partnership is the key to bridging this gap.



Financial Summary

Cost Estimate

In March 2027, Florida International University will host our next regional championship. Driven by a clear goal to win, the UPRM Timber-Strong Design Build Team is actively raising the essential resources required to make this journey a success. Below, you will find a comprehensive breakdown of our estimated project and equipment costs:

Competition Expenses	
Materials	\$2,500.00
Transportation of Project	\$7,000.00
Drawings, Visual Aid and Technical Report	\$300.00
Uniforms (Formal, competition and PPE)	\$1,200.00
Trailer Maintenance	\$1,500.00
Subtotal	\$12,500.00

Participation Expenses		
Expenses	Per person	Per Team (15)
Registration	\$100.00	\$1,500.00
Plane Ticket	\$700.00	\$10,500.00
Stay	\$250.00	\$3,750.00
Ground Transportation	\$90.00	\$1,350.00
Subtotal	\$1,140.00	\$17,100.00

Competition Expenses + Participation Expenses = \$29,600.00

How You Can Contribute

To overcome our logistical and technical challenges, we have developed a partnership program inspired by the very materials that define our profession. Each level represents a different tier of investment, tailored to support specific areas of our operation, from acquiring high-precision tools to financing our maritime transit.

You can contribute to the TSDB 2026–2027 mission through the following tiers:

1. Pine Level (Less than \$250)

- The Foundation: Contributions at this level are directed toward essential safety equipment (PPE), small hardware, and basic construction consumables. It represents the foundational support that keeps our job site safe and functional.

2. Cedar Level (\$250 – \$499.99)

- Structural Development: This tier funds the procurement of specialized materials and mid-range power tools. Your support here directly impacts our ability to build a high-performance structure that meets rigorous national standards.

3. Maple Level (\$500 – \$749.99)

- Operational Growth: Contributions at this level are allocated to inland transportation within Puerto Rico and the maintenance of our logistics fleet. This ensures our 7' x 16' trailer remains a reliable asset for our local activities and exhibitions.

4. Mahogany (\$750.00 – \$999.99)

- Resilience & Logistics: This tier is dedicated to provide the comprehensive backing needed for our team's travel, national registration, and the production of our documentary.

5. Lacewood (\$1,000+)

- Excellence & Leadership: As our premier partnership tier, these funds are used to the complex maritime shipping process. Your partnership helps us cover the substantial transit fees required to move our innovation across the ocean to the United States mainland.

In-Kind Donations

We also welcome "In-Kind" contributions. If your company specializes in logistics, heavy-duty tools, or specialized construction materials not currently covered by our primary donors, we would be honored to discuss a customized partnership level based on the market value of your contribution.

How You Can Contribute

Mentoring, Training and Technology

We understand that support for higher education and professional development can take many forms beyond monetary contributions or physical materials. Therefore, we are opening up opportunities for other valuable forms of collaboration:

1. Mentoring and Technical Advice:

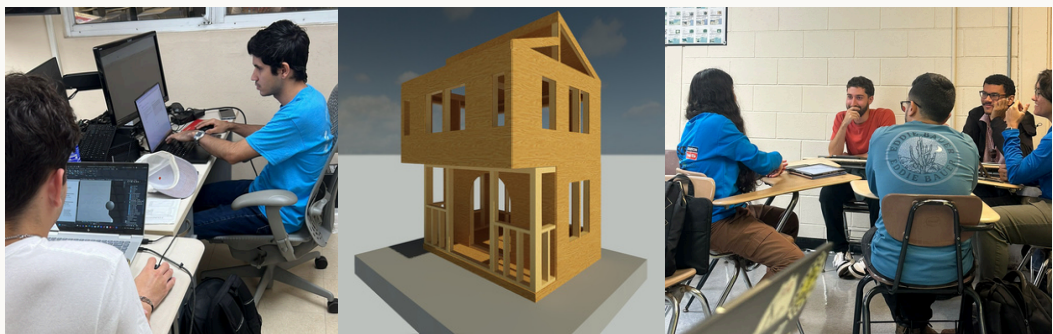
- **What does it involve?** Benefiting from the guidance, feedback, and experience of your company's professionals during key stages of structural design, project management, or construction.
- **Mutual benefit:** It allows students to gain a real-world industry perspective and enables your company to closely identify emerging talent and assess the performance of future professional candidates.

2. Workshops and Technical Training:

- **What does it involve?** Experts from your team will deliver talks, webinars, or practical workshops for team members on specialized topics within their field (e.g., building codes, connection design, industry best practices, or project management).
- **Mutual benefit:** It directly strengthens students' technical skills with firsthand knowledge, while simultaneously positioning your company as a leader in education and professional development within the community.

3. Software Contribution or Licensing:

- **What does it involve?** Providing temporary licenses or access to design, structural analysis, modeling (CAD/BIM), or project management tools that your company uses and that will optimize the development of our structure.
- **Mutual benefit:** It allows the team to use industry-standard tools, raising the technical rigor of the project and familiarizing students with cutting-edge technology.
- **Sponsorship Equivalence:** The commercial value of the licenses or tools provided will be assessed to assign the corresponding contribution level within our proposal (e.g., Pine, Maple levels, etc.), ensuring that they receive the visibility and recognition benefits commensurate with their contribution.



Benefits to Our Sponsors

By partnering with the UPRM Timber-Strong Design-Build Team, your company gains more than just visibility; you align your brand with innovation, academic excellence, and the professional development of Puerto Rico's future engineering leaders.

We offer a tiered benefit system designed to provide maximum exposure and a direct connection to our high-performing team.

Marketing & Brand Visibility

- **(NEW)** The Mobile Billboard (Our Trailer): Your logo will be prominently displayed on our 7' x 16' cargo trailer. This asset travels across Puerto Rico for local exhibitions and throughout the United States during our national competition, offering thousands of impressions to industry professionals and the general public.
- **(NEW/In TESTING)** TSDB27 Documentary: Our sponsors will be featured in the credits of our project documentary. Higher tiers will receive special "Presented by" or "Sustaining Partner" recognition. *This is a project being considered for this year, but it's not official. Updates on the project's status will be provided in mid-September.
- Digital Presence: Consistent engagement on our social media platforms (Instagram, Facebook & LinkedIn) and placement on our official website.
- Official Team Apparel: Your brand will be featured on the uniforms worn by our 15 members during the ASCE National Symposium and official university events.

Recruitment & Networking

- **(NEW)** Access to Talent: Sponsors from the Maple level and above will receive our Members Resume Portfolio, containing the professional profiles of our multidisciplinary team.
- **(NEW)** Corporate Synergy: Opportunity to host technical workshops or recruitment sessions with the team, fostering a direct link between your company and UPRM's top talent.





Benefits to Our Sponsors

Sponsorship Matrix

Benefits	PINE (< \$250)	Cedar (\$250.00 -\$499.99)	Maple (\$500.00 -\$749.99)	Mahogany (\$750.00 - \$999.99)	Lacewood (\$1,000+)
Easy recognition on social media	✓	✓	✓	✓	✓
Special Social Media Post	Mention	✓	✓	✓	✓
Certificate of Sponsorship		✓	✓	✓	✓
Logo on the team poster		Small Logo	Medium Logo	Large Logo	Extra Large Logo
Honorable Mention in Documentary			Credits	✓	✓
Access to the Members Resume Portfolio			✓	✓	✓
Logo on the competition shirt			✓	✓	✓
Space for an Info-session or Technical Workshop				✓	✓
Logo on the helmets				✓	✓
Logo on the Cargo Trailer				Medium Logo	Large Logo

Benefits to Our Sponsors

Example of Sponsor Promotion



TIMBER STRONG DESIGN BUILD 2026 SPONSORS

Lacewood



Mahogany



Maple



Cedar



uprm.timberstrong



Timber Strong Design
Build Team UPRM

How Can You Help Us?

On behalf of the UPRM Timber-Strong Design Build team, we sincerely thank you for taking the time to learn about us and consider our sponsorship proposal. It is a great honor for us to contribute to the training of the next generation of civil engineers and surveyors, supporting and motivating them to achieve their goals and make a positive contribution to society. Undoubtedly, none of our achievements would be possible without the invaluable support of our sponsors.

Any **monetary contribution** can be made in cash or by check. If you choose to make a check, please sent through our postal address, specifying that the donation is directed to the "UPRM Timber-Strong Design Build Team."

**P.O Box 8274
Humacao, Puerto Rico 00792**

If you want to donate through ATH Móvil, you can send the money to any member or to the Captain indicating that it is a donation for the "UPRM Timber-Strong Team":

(939)297-9125

In-Kind Donations (Tools & Materials)

We deeply value the contributions of specialized equipment, precision machinery and construction materials that strengthen our operational capacity. To coordinate the delivery of these resources, we invite contributors to contact our logistics team, ensuring the efficient integration of supplies into our university laboratory.



How Can You Help Us?

Contact for Sponsorship Confirmation

To initiate your branding benefits and ensure proper recognition, please send a high-resolution copy of your company logo (in .PNG or vector format) to our official team email upon processing your donation.

Should you have any questions regarding electronic transfers, material deliveries, or customized partnership opportunities, please do not hesitate to contact our leadership team. Our management is fully available to assist you with the logistical details required to formalize this partnership.

Primary Contacts:

- Team's Email: uprm.timberstrong@gmail.com
- Isaac E. Rodríguez Santiago | Team Captain
isaac.rodriguez7@upr.edu | (939)297-9125
- Jorge E. Mendez Rodríguez | Team Co-captain
jorge.mendez7@upr.edu | (787)237-0431
- Lorena V. Muñiz Rubi | Management & Operations Dept. Leader
lorena.muniz@upr.edu | (787)342-4362

Once again, thank you for considering our sponsorship proposal! We look forward to your support.



Team Captain

Isaac E. Rodríguez Santiago
isaac.rodriguez7@upr.edu
(939)297-9125



Team Co-captain

Jorge E. Mendez Rodríguez
jorge.mendez7@upr.edu
(787)237-0431





**UPRM Timber-Strong
Design Build Team**



Sponsorship and Donation Form

Thank you so much for your interest in supporting Puerto Rico's engineering talent at the 2027 ASCE Southeast Student Symposium at Florida International University! Please complete this form to formally register your contribution.

The following information will be collected in order for the procedures carried out under your name or the name of your company as sponsor of the UPRM Timber-Strong Design Build Team to be valid.

Donor/Company Information

Company or Organization Name: _____

Contact Person / Representative: _____

Email Address: _____

Mailing or Physical Address: _____

Name of the Member who made the approach: _____

Date: ____/____/____

Selection of Sponsorship Level or Donation Amount

Select your donation category or enter a custom amount:

- ☐ Pine Level (Less than \$250)
- ☐ Cedar Level (\$250 - \$499.99)
- ☐ Maple Level (\$500 - \$749.99)
- ☐ Mahogany (\$750.00 - \$999.99)
- ☐ Lacewood (\$1,000+)
- ☐ Other Level / Custom Amount: \$_____.____

Payment Method

Please select the method by which you will make your contribution:

Non-tax deductible options

- ☐ **Cash Donation**
(Must be given to any team member)
- ☐ **Donation by ATH Mobile**
(Should be sent to any team member)
- ☐ **Check Donation** (In the name of "UPRM Timber-Strong Design Build Team")
Send to address: Timber-Strong Design Build Team, UPRM - P.O Box 8274 Humacao, PR 00792
(It can be given to any team member)
- ☐ **Wire Transfer**
Bank Name: Banco Popular | Account Name: Timber Strong Design Build
Account Number: 148-342183 | Routing Number: 021502011 | Account Type: Checking



UPRM Timber-Strong Design Build Team



Tax deductible options

- ☐ **Check Donation**
(In the name of “University of Puerto Rico, Mayaguez”)
Send to address: Timber-Strong Design Build Team, UPRM - Dept. Civil Engineering PO BOX 9000,
Mayagüez, PR 00690 – 9000

Authorization and Signature

By signing this document, the donating entity or individual confirms their sponsorship commitment to the UPRM Timber-Strong Design Build Team to cover development costs and participation in the 2027 regional competition.

Representative's Signature: _____

Date: ____/____/____

Please complete the form and send it along with a good quality image of your company logo (if applicable) to any team member or to the email address: uprm.timberstrong@gmail.com after making the donation through one of the above options.

We deeply appreciate your trust and support!