



# WARRIOR VILLAGE PROJECT®

501 (c)(3) Nonprofit

The Bugle: Vol 7, Issue 3, March 2025

[www.WarriorVillageProject.com](http://www.WarriorVillageProject.com)

## PROGRESS REPORT

March was a very busy and productive month at the Warrior Village Project. San Marcos HS students made great progress on the two Movable Tiny Houses they are building, with our students working in multiple trades simultaneously.

Rancho Buena Vista HS students started the Rough Electrical phase of construction on its Tiny House. The electrical trade is one of the more challenging trades for our students, but they are learning quickly.

Our program at San Pasqual HS is on pause. Brandon Tarrac, Construction Instructor at SPSHS, has resigned to join the San Diego Fire and Rescue Department. A long-term substitute will be stepping into Brandon's very big shoes to complete the school year. The longer-term future of the program at SPSHS is uncertain at this time, but we will figure it out. We will miss Brandon, but we wish him the best in his career as a first responder. Thanks Brandon!

San Marcos and Rancho Buena Vista will be participating in the [SoCal Design Build Competition@ 2025](#) in Huntington Beach on April 9 - 10. San Marcos student Nina Crespo will also be participating in the [SkillsUSA California Conference](#) in Ontario on April 10 - 13.

We are grateful to [Pacific M Painting](#), [Sherwin-Williams](#) and [Simpson Strong-Tie](#) for their continued support. And, we thank [Jay Edward Woodworking](#) for donating materials for our woodworking students.

13 February 2025



[Pacific M Painting](#) arranges donation of paint for our houses

[See more](#)

13 February 2025



[Sherwin-Williams](#) donates paint for our houses

[See more](#)



26 February 2025

[Simpston Strong-Tie](#) donates Project Pro Screw Driving tools to our schools

[See more](#)

10 March 2025



**Jay Edward**  
WOODWORKING

[Jay Edward Woodworking](#) donates hardwood cutoffs to our schools

[See more](#)

## IN THIS ISSUE

Progress Report.....	1
VIP Profile.....	2
School Construction Updates..	3
Partners .....	11
Sponsors .....	14
Donate .....	15

## EVENTS

**Design Build Competition**  
**April 9 - 10**  
**Huntington Beach**

## VIP PROFILE Our Students



### STATE OF THE TRADES

Powered by BlueRecruit

Q1-2025

Highlights and Insights  
into the Skilled Trades  
Labor Market



#### Where are the Jobs?

- Texas
- North Carolina
- Florida
- Michigan
- Georgia
- Virginia
- California
- Ohio
- Tennessee
- New York

# 53%

of Employers DO NOT require a clean criminal background

# 52%

of Employers DO require an active driver's license

# 11%

of Job Seekers are Veterans

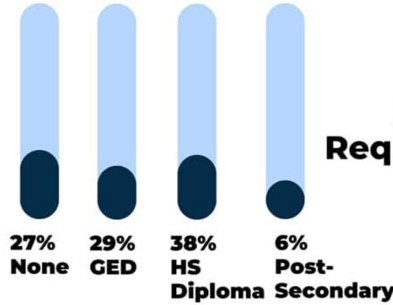
# 57%

of Job Seekers are open to Relocation

# 42%

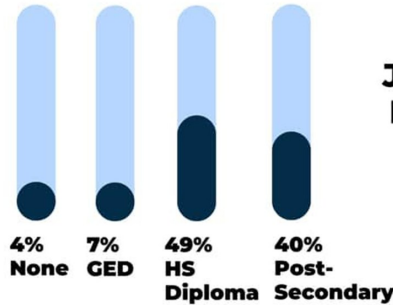
of Job Seekers are Female

### Employer Education Requirements



VS

### Job Seeker Education



General Laborers are Requesting  
**\$23.41 phr**

Employers are Paying General Laborers  
**\$23.68 phr**

### Most In-Demand Trades

HVAC Tech  
\$35.31 phr

Auto Mechanic  
\$46.15 phr

Plumber  
\$36.33 phr

Electrician  
\$43.45 phr

Carpenter  
\$30.73 phr

Fabricator  
\$38.05 phr

Manuf. Technician  
\$34.21 phr

Directional Driller  
\$29.25 phr

# CONSTRUCTION UPDATE, SMHS MTH #1

- Chapter 1 Trailer
- Chapter 2 Framing
- Chapter 3 Rough Plumbing
- Chapter 4 Rough Electrical
- Chapter 5 Wall Sheathing  
Roofing Shear  
Moisture Barrier
- Chapter 6 Roofing
- Chapter 7 Windows & Doors
- Chapter 8 Exterior  
Exterior Trim  
Finish
- Chapter 9 HVAC  
Venting
- Chapter 10 Insulation
- Chapter 11 Interior Wall  
Ceiling Covering
- Chapter 12 Interior Cabinetry  
Installations  
Flooring  
Fixtures
- Chapter 13 Interior Trim Finish
- Chapter 14 Finish Plumbing  
Electrical  
Fixtures
- Chapter 15 Finish Hardware  
Touch-ups
- Chapter 16 Health & Safety  
Final Testing  
Certification  
Submission

## San Marcos High School: MTH #1

Our students continued with the installation of [LP Smartside Lap Siding](#) and trim pieces on MTH #1 using [Quik Drive® Project Pro™ Screw Driving Tools](#) and collated Quik Drive® screws donated by [Simpson Strong-Tie](#). Our students are taught how to work with hand tools, but their instructors also like to introduce them to state-of-the-art tools that they could use on a professional job site. They still have to make careful measurements with tape measures and snap chalk lines, but the fastening work progresses much faster with power tools. And they are fun to use!



## CONSTRUCTION UPDATE, SMHS MTH #1

Jon Hill, [AGC Apprenticeship Instructional Resource Coordinator](#), works with our students at SMHS for 2 hours almost every Wednesday morning. He has been guiding the student builders as they install lap siding. He teaches them how to do it right and “tricks of the trade” he has learned over the years to make the work progress more quickly. Jon also provides quality assurance that the work has been done correctly. It takes tremendous patience, but Jon has a deep reservoir of patience in his tool box!



Other students installed the entry door donated by [Pelco Windows & Doors](#) and [T.M. Cobb](#) and caulked and painted the trim around the door, windows, and the corners of the house.



Our SMHS students will be on their Spring Recess from March 31st through April 4th. When they return from their break teacher Chris Geldert and a select group of students will start preparing for their participation in the 40th Annual Design Build Competition in Huntington Beach on April 9th and 10th. This will be the second year that SMHS has participated in the event. Good Luck Knights!

CONSTRUCTION  
INDUSTRY EDUCATION FOUNDATION

**DESIGNBUILD**

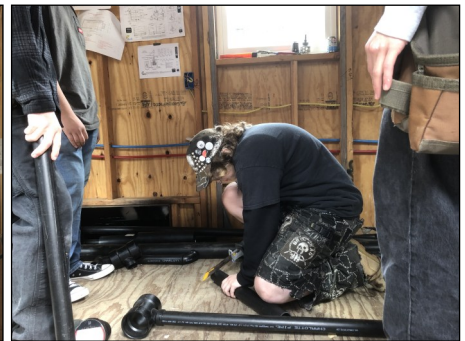
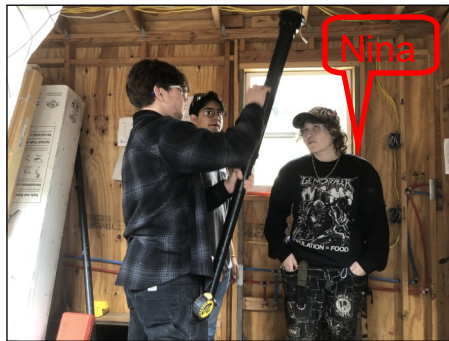
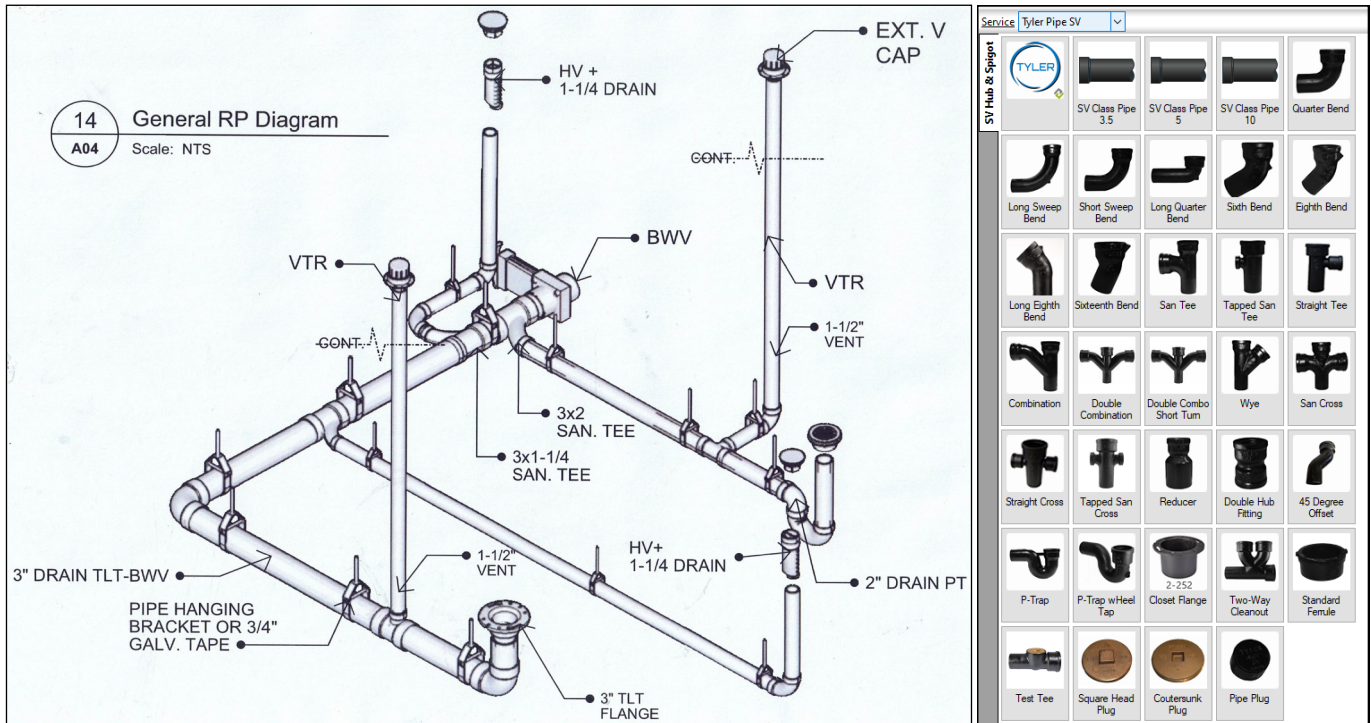


## CONSTRUCTION UPDATE, SMHS MTH #1

Our students also made progress on the rough plumbing on MTH #1. Installation of the DWV (Drain-Waste-Vent) system has been challenging. Although we have drawings that show the basic layout of the ABS (Acrylonitrile Butadiene Styrene) pipe system and fittings (1-1/4", 1-1/2", 2" and 3"), it takes serious cerebral work to connect them together above, below and through the trailer floor.

To assemble the DWS system, the students had to learn the vocabulary of plumbing, with terms like Elbows, Tees, Sanitary Tees, Wyes, Reducers, Couplings, Nipples, Plugs, Adapters, P-Traps, Toilet Flanges, Air Admittance Valves, Vent Caps, etc. Unfortunately, mastering Plumbing Language does not satisfy the foreign language requirement for graduation.

Plumbing work is also physically difficult. The students had to drill through the trailer's steel belly pan as well as a bit of a structural beam for the toilet, shower and sink drains, and the vent pipe. Being able to visualize in 3-D how the parts of the system interconnect is a useful skill.



SMHS student Nina Crespo won the Bronze Medal in Carpentry in the [SkillsUSA 2025 Region 6 \(S. California\) Leadership and Skills Conference](#). Nina has advanced to the [SkillsUSA 58th State Leadership & Skills Conference](#) in Ontario on April 10th - 13th where she will compete with students from across the State.

Nina is also on the SMHS Design Build Team that will be competing in Huntington Beach on April 9th - 10th. She is going to be a tired carpenter. Good Luck Nina!



## CONSTRUCTION UPDATE, SMHS MTH #2

### San Marcos High School: MTH #2

- **Chapter 1** Trailer
- **Chapter 2** Framing
- **Chapter 3** Rough Plumbing
- **Chapter 4** Rough Electrical
- **Chapter 5** Wall Sheathing  
Roofing Shear  
Moisture Barrier
- **Chapter 6** Roofing
- **Chapter 7** Windows & Doors
- **Chapter 8** Exterior  
Exterior Trim  
Finish
- **Chapter 9** HVAC  
Venting
- **Chapter 10** Insulation
- **Chapter 11** Interior Wall  
Ceiling Covering
- **Chapter 12** Interior Cabinetry  
Installations  
Flooring  
Fixtures
- **Chapter 13** Interior Trim Finish
- **Chapter 14** Finish Plumbing  
Electrical  
Fixtures
- **Chapter 15** Finish Hardware  
Touch-ups
- **Chapter 16** Health & Safety  
Final Testing  
Certification  
Submission

Our students installed the entry door frame and trim around the door and windows, as well as the last piece of fascia on MTH #2. Cutting the fascia is tricky, because of the compound angles where the fascia boards across the front and back of the house meet the fascia on the end walls of the house. It took multiple attempts to get the cuts just right so that they meet snugly.

The students started installing the lap siding on MTH #2. They first measured and marked vertical lines on the exterior of the house where the studs are located and where screws will be placed.



## CONSTRUCTION UPDATE, SMHS MTH #2



San Marcos High School won the Rookie Team of the Year Award at the Southern California [CIEF Design Build Competition®](#) in Huntington Beach last year. This year's team hopes to build on that success.

Good luck Knights!

## CONSTRUCTION UPDATE, SPHS

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- **Chapter 2 Framing**
- **Chapter 3 Rough Plumbing**
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Roofing Shear  
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### San Pasqual High School: MTH #1

Brandon Tarrac, our awesome CTE Construction and Woodshop Instructor at San Pasqual High School, has resigned from his teaching position to join the City of San Diego Fire and Rescue Department.

This was Brandon's 4th year of teaching in the Escondido Union High School District. Before joining the faculty at San Pasqual, Brandon was the Engineering Instructor at University City High School in the San Diego Unified School District for 4 years.

Brandon graduated from San Diego State University in 2016 with a BA Degree in Sustainability. Prior to starting his teaching career, he gained industry experience working for Nexus eWater Inc.

The unique value Brandon brought to the Warrior Village Project was his service in the US Marine Corps. Prior to attending SDSU, Brandon served in the 0351 Occupational Specialty (MOS), known as an Infantry Assaultman. While in the Marines Brandon was deployed to Fallujah, Iraq and the West Pacific with the 15th Marine Expeditionary Unit (MEU) based at Camp Pendleton.

As a veteran, Brandon was a strong supporter of our *Mission to provide affordable, permanent housing for homeless veterans while training the next generation of home builders*, as he articulately communicated at our [Inaugural Tiny Houses Build Day \(Minute 1:35\)](#).



Tiny Houses Build Day, September '24.

Brandon has already been sworn in as a fireman recruit and has started 4-1/2 months of intensive training. During a kickoff meeting presentation, with family members in the audience, firemen talked about the rigors of the training. They warned the recruits and their families that the recruits would be stressed to their limits. They will return home every day physically exhausted and mentally spent. We know that Brandon, his wife, and their children will make it through the training period successfully and that Brandon will be as great a fire fighter as he has been a Marine and a Teacher. Thank you Brandon!



*“Education is not the learning of facts but the training of the mind to think.”*  
- Albert Einstein (via Brandon Tarrac)



# CONSTRUCTION UPDATE, RBVHS

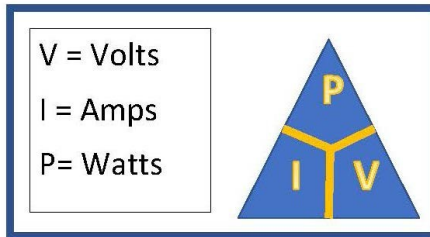
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## Rancho Buena Vista High School: MTH #1

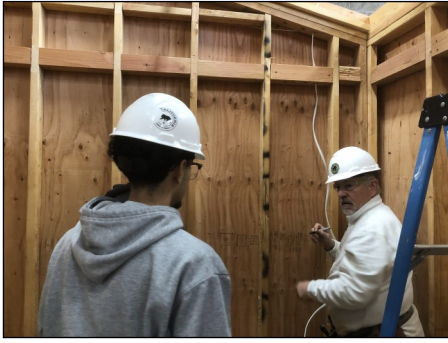
Our RBV students installed outlet boxes and pulled wire for the Rough Electrical phase of construction under the supervision of Michael McSweeney, CTE Coordinator for the [California Homebuilding Foundation](#).

Michael presented a series of short courses on the fundamentals of electricity, circuits and plan reading. The information he shared must have felt a little like taking a drink from a fire hose, but Michael assured the students that it would eventually all “click”.

### The Watt's Law Triangle



# CONSTRUCTION UPDATE, RBVHS



## Electrical Symbols

	Electrical switchbox		Single Pole Switch
	Three-Way Switch		SinglePlex Receptacle
	Duplex Receptacle		Duplex Receptacle WP= Waterproof
	GFCI Duplex Receptacle		Isolated Ground Receptacle
	Switched Receptacle		FourPlex Four Gang Receptacle
	240-Volt Receptacle		Ceiling Mounted Light Fixture PC= Pullchain
	Wall-Mounted Light Fixture		Recessed Light Fixture
	Weatherproof Light Fixture		Fluorescent Light Fixture
	Ceiling Fan		Combination Light & Fan
	Power Vent Fan		Electric Motor Number-HP
	Smoke Detector		Circuit Breaker
	Telephone Jack		Doorbell Transformer
	Doorbell Pushbutton		Ground



Our RBV students will be on their Spring Break from March 31st through April 4th. When they return from their break teacher Landon Cardenas and a select group of students will prepare for their participation in the 40th Annual Design Build Competition in Huntington Beach on April 9th and 10th.

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**DESIGNBUILD**



## PARTNERS

### TinyFest California 2025

The annual [TinyFest California](#) was held at the Del Mar Fairgrounds on Saturday and Sunday, March 8 - 9. The event featured a line-up of beautiful tiny homes and ADUs, great van builds, awesome skoolies (school buses converted into homes), and sustainable living solutions. *"TinyFest California is more than just an event; it's a celebration of a movement that encourages us to live intentionally, with a focus on what truly matters,"* says Renee Seevers, Producer of TinyFest. The movement is gaining momentum.

Last year [Daniel Fitzpatrick](#), President of the [Tiny Home Industry Association](#), reviewed the growing number of jurisdictions across the country where tiny houses can be lived in legally and tiny home villages are springing up. But, there is much more work to be done in California. Of the 58 counties and 482 incorporated cities, towns and villages in California, only 20 have legalized tiny homes.

This year Dan presented *"Tiny Homes: Transitional Housing for Disaster Recovery,"* a timely topic after the recent destruction of 11,000 homes in Los Angeles fires.



**TINY HOME  
INDUSTRY  
ASSOCIATION**

**The State (CA) of the Union - TINY HOMES!**

**"Tiny Friendly" Municipalities**

Each municipality recognizes "Tiny Homes" as follows:

- City of Fresno = "Backyard Cottage"
- City of San Jose = "Tiny Home on Wheels"
- City of San Diego = "Movable Tiny House"
- County of San Diego = "Health Care Trailer"
- City of Los Angeles = "Movable Tiny House"
- County of Humboldt = "Tiny House, MTH"
- City of San Luis Obispo = "Movable Tiny House"
- County of Sonoma = "Caregiver Unit"
- California City = "Tiny Home"
- County of Santa Clara = "Movable Tiny Home"
- County of Santa Cruz = "Tiny Home, (MTH), and (THOW)"
- City of Oakland = "Tiny Homes on Wheels"
- County of Placer = "Tiny House on Wheels"
- City of Riverside = "Movable Accessory Dwelling Unit (MADU)"
- City of Ojai = "Movable Tiny Home"
- City of South Lake Tahoe = "Movable Tiny Home"
- City of Fort Bragg = "Tiny Home"

**Make TINY Possible!**

**JOIN TODAY!**

(619)609-0080  
www.TinyNow.org

**TINY TOGETHER**  
TIME FOR TINY

## PARTNERS TinyFest California 2025

Ellen Stone, Managing Director of [Tiny Home Central](#), was the first to install a legal Movable Tiny House in the City of San Diego. She hired [Urban Corps San Diego](#) to build it, and it's first resident was an Urban Corps student living in affordable housing in Ellen's backyard.



This year at TinyFest Ellen talked about *Structuring Shared Land Ownership for Tiny Homes on Wheels (THOW) Owners* who want to form 'Intentional Communities'. An intentional community is a group of people who have chosen to live together with a common purpose, working cooperatively to create a lifestyle that reflects their shared core values.

Ellen talked about case studies of Intentional Communities, including the [Simply Home Community](#) in Portland, OR and [The Radish](#) in Oakland, CA.



Genny Crane, Executive Director of Rebuilding Green, talked about *Making Tiny Home Communities A Reality*. She knows what she is talking about. In fact, she is in the process of building a Tiny Home Community in Santa Ysabel.

Rebuilding Green is 're-branding' a former, run-down RV Park into a beautiful community of 10 Movable Tiny Homes. If you missed Genny's presentation at TinyFest contact [Rebuilding Green](#) and learn what you might be able to do on your property [#TinyHomeCommunity](#) [#tinyliving](#) [#tinyhome](#)

***Current housing issues cannot be solved by any individual, local jurisdiction, or entity. A collaborative effort must come together to make a true difference!***

**[Sign Genny's Petition to Legalize Movable Tiny Homes & Tiny Home Communities](#)**



# PARTNERS

## TinyFest California 2025



## SPONSORS

[Pacific M Painting, Inc.](#) is a residential and commercial painting contractor operating in San Diego and the Inland Empire. In 2021 Jeff Mullin, Pacific M's President, heard about the Warrior Village Project from the [Building Industry Association](#). He was impressed to find a program so mutually beneficial to veterans and students who otherwise may not have been exposed to careers in lucrative building trades. Jeff became a Sponsor of the Warrior Village Project. Recently, when we needed help connecting with [Sherwin-Williams](#) (SW), Jeff offered to reach out to his SW Paint Rep, John Horne, to seek the donation of paint.

**Thanks Jeff for your continued support!**



[Sherwin-Williams](#) (SW) was one of the first Sponsors of the Warrior Village Project. Sherwin-Williams donated all of the paint for the first house we built at San Marcos High School and installed as an ADU for [Wounded Warrior Homes](#). When we needed paint for our tiny houses, I was confident that Sherwin-Williams would help us again. But, I had trouble connecting with the right person at Sherwin-Williams to request a donation. On our behalf, Jeff Mullin of [Pacific M Painting, Inc.](#) reached out to his Sherwin-Williams Paint Rep, John Horne. John agreed that the Warrior Village Project was a worthy cause and donated 52 gallons of paint.

**Thank you John and Sherwin-Williams!**

[Simpson Strong-Tie](#) is a great supporter of the building trades and has been a long time Sponsor of the Warrior Village Project. Simpson Strong-Tie has donated thousands of fasteners and hardware pieces for our houses. I asked Angel Leon, Senior Training Specialist/Outreach Coordinator, if he could donate screws to attach the lap siding to our houses. Before long, four boxes filled with Quik Drive® collated screws and [Quik Drive® Project Pro™ Screw Driving Tools](#) were delivered to my house. It was like Christmas in February. Thanks to Simpson Strong-Tie, our students will get experience using state-of-the-art tools that they could use on a professional job site.

**Thanks Angel and Simpson Strong-Tie!**



SMHS student securing lap siding with Quik Drive Project Pro Screw driving tool and Quik Drive collated screws

**RBV students displaying their handiwork**



Woodworking students need a steady supply of wood to work with. So, when Philip Dephtereos emailed me with an offer to donate hardwood cut offs from the workshop of [Jay Edward Woodworking](#), I jumped on it. Jay had called SMHS and Alisha at the front desk referred him to the Warrior Village Project. Over the course of a few weeks, Jay loaded my pickup with four loads of hardwood cutoffs, as well as some reclaimed 2" x 6" lumber and some steel. Students at San Pasqual HS, Rancho Buena Vista HS and Poway HS made projects from the cutoffs, San Marcos HS took the lumber, and Rancho Buena Vista took the steel for its welding class.

**Thank you Philip!**

**See beautiful wood furniture at [Jay Edward Woodworking](#).**

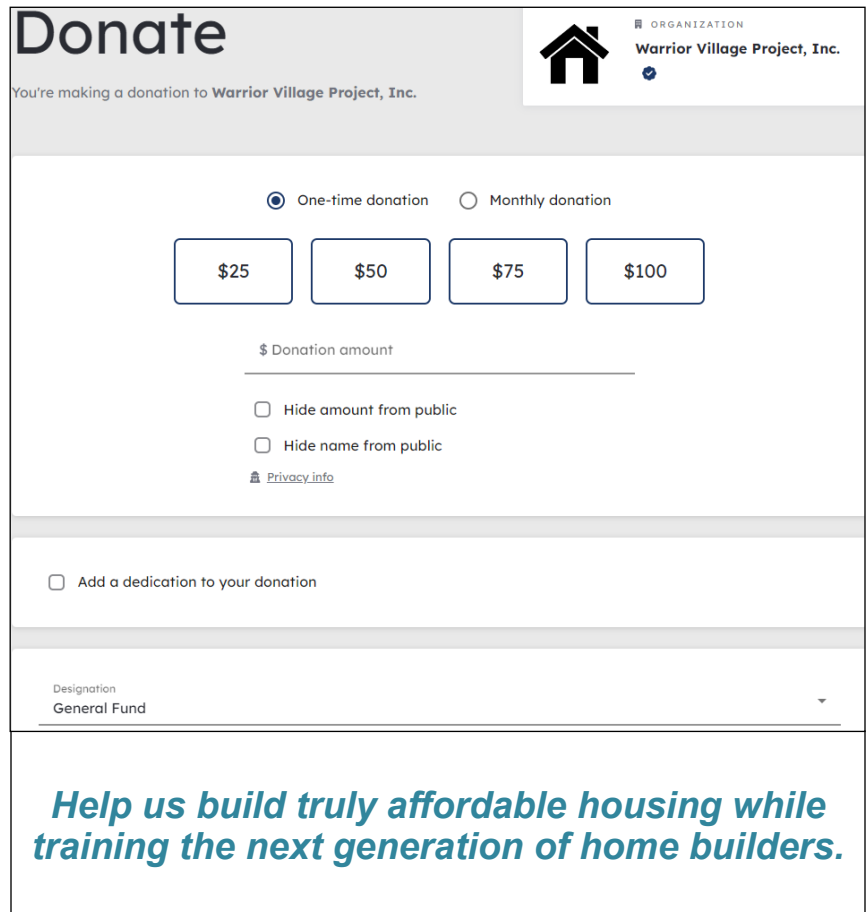
## DONATE TO THE WARRIOR VILLAGE PROJECT

The Warrior Village Project has joined the San Diego Gives 2024 Campaign. It is easy to donate to the Warrior Village Project through the [San Diego Gives online platform](#). Your donation will go to the Warrior Village Project General Fund to purchase materials to build Moveable Tiny Houses in high school construction classes in San Diego County.

The trailer foundation and building materials and consumables required for one Moveable Tiny House (MTH) cost about \$44,000. The curriculum and the inspection and certification package cost about \$6,000.

The cost of installing an MTH as an Accessory Dwelling Unit will depend on the site. But, it should cost about \$20,000 per house. Hence, we can provide a permanent, fully equipped tiny house for a homeless person for about \$70,000 per unit.

According to the [Turner Center for Housing Innovation at UC Berkeley \(March 2020\)](#): *“Between 2016 and 2019 the costs to develop a new affordable unit under the Low-Income Housing Tax Credit (LIHTC) program have increased from \$425,000 per unit to more than \$480,000 per unit.” “These escalating costs represent a significant challenge to a state struggling with an affordable housing crisis, and erode the impact of the increased public subsidies directed toward building new housing.”* Isn't it time to build truly affordable housing?



The screenshot shows a donation interface for the Warrior Village Project, Inc. The page title is "Donate" and it indicates the donation is for the "Warrior Village Project, Inc." organization. There are two radio buttons for "One-time donation" (selected) and "Monthly donation". Below these are four buttons for donation amounts: \$25, \$50, \$75, and \$100. A text input field is labeled "\$ Donation amount". There are checkboxes for "Hide amount from public" and "Hide name from public", and a link for "Privacy info". At the bottom, there is a checkbox for "Add a dedication to your donation" and a dropdown menu for "Designation" set to "General Fund". A teal banner at the bottom of the form reads: "Help us build truly affordable housing while training the next generation of home builders."



## 2024 Campaign

<https://sandiegogives.mightycause.com/donate/Warrior-Village->

**We need to raise \$80,000 to purchase materials to complete the four Moveable Tiny Houses we are building at San Marcos High School, San Pasqual High School and Rancho Buena Vista High School.**

