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SEPTEMBER 2023

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## Florida Air Conditioning Apprenticeship Graduation



Peter Montana of ACProsite.com presents an award to the Graduate of the Year Cody Hull

The Florida Air Conditioning Apprenticeship Association (FACAA), in conjunction with the Palm Beach Air Conditioning Contractors Association (PBACCA), honored 21 2023 graduates at a banquet held on August 3, 2023 at The Beach Club in Lake Worth Beach, FL.

More than 50 instructors, employers, friends, families and other industry members attended the event to congratulate the graduates and celebrate with them. FACAA Program Director and past PBACCA President Steve Sparks and FACAA Committee Members hosted the banquet, which began with the PBACCA General Membership Meeting. Steve congratulated the graduates for their commitment, thanked their families for the sacrifices they endured and recognized the sponsoring employers for enabling the students to participate over the past four years.

Sara Baxter, Palm Beach County Commissioner District 6, spoke to the graduates about their value to build the community. She also said to keep learning and to excel in their business.

Steve Sparks introduced the instructors and presented the graduates, along with Sara Baxter, and Kelly McCann. Graduates received their cer-tificates along with gifts from Tropic Supply, Yellow Jacket, and the Florida Refrigeration and Air Conditioning Contractors Association.

Cody Hull was named Graduate of the Year and received an award from Peter Montana of ACProsite.com.

Steve Sparks reminded them of the PBACCA Maury Jacob Scholarships that is available to assist all motivated students.



Palm Beach County Commissioner District 6 who spoke about their value to the community

Another way PBACCA Serves You!

PBACCA Presents
General Meeting - 9th Annual Food Drive

The Beach Club 1 7th Ave. North Lake Worth Beach
Thursday, October 5, 2023
Call Pam at 561-585-3880

OCT 5, 23



#### --PBACCA 2023 OFFICERS--

President: Robin Worrell State Energy Heating & Air (561) 688-6264 • Cell (561) 795-1130 stateenergy@aol.com

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#### Director: Carissa Duemig Fund-Ex Solutions Group (954) 780-6676 • Cell (954) 650-3429

cduemig@@fundexsolutions.com

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Executive Director: PAM RIPPLE (561) 585-3880 • Fax (561) 585-3347 e-mail: pripple@pbacca.org

LEGAL COUNCIL: John Hockin - Linkhorst & Hockin, P.A. (561) 626-8880

FINANCIAL ADVISOR: **Donna M. Sotillo, CPA**Sotillo & Company • (561) 547-5730

## President's Perspective



Robin Worrell

Greetings everyone. Here we are in September and Labor Day is upon us. To many of us, this will mean a well deserved long weekend. I hope everyone has a safe and enjoyable holiday.

We just celebrated PBACCA and Florida Air Conditioning Apprenticeship Dinner on August 3. What a great night. With all our graduates and family and friends, we had a

terrific turnout to honor all our dedicated graduates. A very special thanks to our guest speaker, Palm Beach County Commissioner, Sara Baxter. She spoke about the importance and need for education in the trades. We are very grateful for her attendance and support.

PBACCA has a GREAT offer right now that we are running. A membership special. Join PBACCA for 2023 membership and receive 2024 for FREE. You simply cannot find a better organization to belong to. Join us and get involved. We need your enthusiasm, energy and ideas.

Our next big event is the 21st Annual Golf Tournament on October 28 at Winston Trails Golf Club. This has always been a well attended fun event. (Further details are in this plenum)

Remember, all of us at PBACCA are here to assist our members. Just give us a call or email with any concerns you may have or any ideas you think might help us improve for you. Until next month, be safe and well.

Robin

#### **Associate Distributors - Palm Beach County**

Advanced Work Van, Riviera Beach56	1-657-0406
Arco Supply, Lake Worth	1-586-3331
Baker Distributing, Boynton Beach56	1-806-7075
Baker Distributing, West Palm Beach56	1-848-1416
Carrier Enterprise, West Palm Beach	8-827-3352
Economic Electric Motors, West Palm Beach56	1-683-6262
Gemaire Distributors, West Palm Beach56	1-842-6311
Goodman Distribution SE, Inc., West Palm Beach	1-616-9466
Johnstone Supply, West Palm Beach56	1-689-3366
Refricenter, West Palm Beach56	1-689-8075
Trane Company, West Palm Beach56	1-683-3306
Tropic Supply, West Palm Beach	1-684-3997

Palm Beach Air Conditioning Contractors Association (PBACCA) is an independent association serving the needs of the HVACR industry in Palm Beach County. PBACCA is not affiliated with the national group Air Conditioning Contractors of America (ACCA). The mission of PBACCA is to assist and better enable PBACCA members to acquire, serve, and satisfy their customers.

#### PBACCA UP COMING EVENTS



#### 21<sup>st</sup> Annual Golf Tournament

To be held on October 28, 2023

Winston Trails Golf Club

6101 Winston Trails Blvd, Lake Worth, Fl 33463

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*



4th Annual Casino Night, 10th annual toy Drive, & 2024 Board Election

To be held on December 9, 2023

Winston Trails Golf Club

6101 Winston Trails Blvd, Lake Worth, Fl 33463

\*\*\*\*\*\*\*\*\*\*\*\*\*\*



2<sup>nd</sup> Annual Clay Shoot

To be held on February 10<sup>th</sup>, 2024

**OK Corral Gun Club** 

9449 NE 48th St. Okeechobee, Fl 34972

#### SYSTEM CHARGING

By Kelly McCann

#### **TECHNICIAN'S CORNER**

We are working during a time in our industry that has machines equipped with "charge mode." Manufactures are designing their equipment with sensors, transducers, and boards to achieve the "optimum" charge. The board looks at pressures, temperatures, compressor and fan speeds to ensure the system is in the correct mode for charging. The only thing left for the technician to do is to "add" the refrigerant until the light tells us we're done. It seems like the act of charging a system could become a lost art. In this month's topic we will discuss charging a system without computer assistance.



In previous articles we have talked about leak detection, system evacuation and recovery, which all can play a role in the process of charging a system. Either we are starting a new system or opening the system to make a repair and then re-charge it. After a repair we typically pressurize with nitrogen for a standing pressure test. If we are on a new system start up, many companies will pressurize the lines during the equipment set phase. After the system passes the pressure test, we are ready for evacuation. Recalling the previous articles on evacuation remember it's the microns we are concerned with not necessarily the 29.92 in. Hg, that is when the work starts. In the micron scale, a perfect vacuum is 0 microns, and increasing pressure is represented by an increase in the measurement. Therefore, a measurement of 25,400 microns (the equivalent of 1

in. Hg or 28.92 in. Hg vacuum) is a higher pressure than 0 microns. Remember that inch's mercury (Hg) vacuum goes up numerically with increasing vacuum (lower pressure), and micron measurements go down with increasing vacuum (lower pressure). In practice a good micron level to achieve is 500 microns.

Once the vacuum is complete, we are ready to introduce refrigerant. Remember to break the vacuum with the refrigerant you are installing into the system. On a new system open the service valves, I open the vapor (suction) line first then the liquid line. I do this to limit the amount of oil that can be pushed out of the compressor, opening the suction line first provides some pressure on the system to limit the velocity of the refrigerant. Weighing in the charge is a preferred method. The weight is specified in the manufacture's literature; don't forget to add the refrigerant line length to the equation. Remember to check the manufacturer's literature to verify the specifics. The next step is crucial, but I feel it's sometimes overlooked, verifying the system's airflow. We must verify the correct airflow before charging the system. Airflow settings should be verified, static pressure is checked, checking the filter and ductwork for restrictions are all part of the charging process. The airflow must be correct for a correct charge. Think of the sensible capacity formula:  $1.08 \times CFM \times \Delta T$  you can see the cfm, along with the temperature (refrigerant charge), airflow is a significant value. Once the system is operational look at the subcooling and superheat. Remember to check both values even though it may have a TXV. Subcooling is used for charging; however, we use superheat to check txv and coil performance. Take the time to allow the refrigerant charge to stabilize prior to making adjustments.

Things to consider are the entering air conditions both dry bulb and wet bulb temperatures. If there is warm air entering the coil your pressures will seem off. Allowing time for the refrigerant to stabilize will allow heat to be removed from the space and your pressures (and superheat) will fall in place. The moral of the story is to not rush the process; having good tools that you trust will help. As always, stay safe in all you do!



### Graduation

## 2023 Apprenticeship Graduation



Robin Worrell, PBACCA President welcomed the graduates and attendees, and gave an update of future events



Sponsors: John Riley-Al Packer Ford-Lincoln, Steve Sparks-FACCA, Ryan Reynolds-EV Dunbar, Rob Mayhew-Tropic Supply, Arturo Alba-Arco Supply

# Florida Air Conditioning Apprenticeship 2023 Graduates

William William In

Ryan Busse
Ben FanFan
Michael Hall
Fredi Hernandez
Cody Hull
Hunter Kuhn
Cody Marx
Robert McCullock
Keneil McIntosh
Austin Mettler
Perry Monteiro

James Murray
Ian Nelson
Joshua Newman
Monroe Ramage
Trevor Robinson
Jonathan Shipp
Brandon Smith
Frank Spargo
Cedric Stoner
Anthony Williams





## Celebrating the 2023 Apprenticeship Graduation at The Beach House



Instructors: Steve Sparks Director of FACCA, Kelly McCann, Jimmy Stanford, Nick De Canto, and Mike Swartz



John Riley-Al Packer Ford-Lincoln, Steven Castillo of Robert R McGill Air Conditioning, and Arturo Alba of Arco Supply



Josh Newman, Fiona Domingas, Chris Rhodes, Morgan Brantley, Kelly McCann, and David Hutchison of CMI Air Conditioning



Jimmy Stanford, Nick De Canto, Steve Cardona, Justin Resario, and Keneil McIntosh of TWC Air Conditioning



Robert McCullock (Spectrum AC), Jennifer McWilliams, Robert and Naomi McCullock



Cody Hull, Leslie Barron, Marina Martinez, Craig and Lisa Hull







Congratulations to Peter Montana on transitioning the Florida HVAC Insider to the ACprosite.com website, the only online resource focused primarily on the Florida conditioning air industry. Featuring REGIONAL News and events coverage and REGIONAL calendars! Be sure to read his Welcome Message on the landing page!

Visit ACprosite.com

Subscribe to the ACprosite eLetter



## **PSSST...HEY THERE!**

Do you excel at your job? Do you feel like you have something to offer? Would you like to give back and share your knowledge with the next generation technicians? Have you considered being an apprenticeship instructor? Our classes are held on Monday and Wednesday evenings from 6:30 - 9pm.

Call Steve or Kelly if interested.

Contact: 561.262.7523 or 561.644.5668









### 3 Locations

- Palm Beach State College-Lake Worth Campus
- Chuck Shaw Technical EducationCenter-WPB
  - Delray Full Service Adult EducationCenter

FOR MORE INFORMATION CALL 561-315-8187



registerfacaa@gmail.com

www.facaschool.com



**School Starts September 11** 

Classes are held

Monday & Wednesday nights starting at 6:30 PM





## PBACCA's 21st Annual Golf **Tournament**

Palm Beach Air Conditioning Contractors Association

#### **WHERE**

Winston Trails Golf Club... 6101 Winston Trails Blvd. Lake Worth, FL 33463

#### WHEN

Saturday October 28th 2023

8:30 a.m. Shotgun Start Scramble

- Continental Breakfast will be served before tee-off 8:30 (7a.m. check-in)
- Drinks provided on the course
- Trophy and Prizes for 1st, 2nd & 3rd place
- Prizes for longest drive straightest drive, closest to pin and more!
- Raffle prizes for everyone!
- FREE Barbecue lunch included with green fees to be held at Winston trails Golf CLUB Ballroom.

(Sponsorships still available)

**The Awards Ceremony:** After you finish, join us for the awards banquet at Winston Trails Golf Club Ballroom. We will serve barbecue chicken, burgers, and hot dogs, slaw, potato salad, beans and more! Your family and friends are welcome to join for the awards ceremony and lunch.

	Saturday C	ctober 28t	h Winsto	n trails Golf C	Club	
Company						
Address		City	St _	Zip <u>=</u>		
Phone	Fax	En	nail		_	Shirt Size
Golfers						
1)				_		S M L XL XXL
2)				_		S M L XL XXL
3)				_		S M L XL XXL
						S M L XL XXL
_	# golfers @ \$200 (if you re			\$225.00 per person	after Oct. 13th	n=\$ =\$_
Hole sponsorship	with foursome\$1000	(vou save \$50.	.00)			=\$
			•	TORY FOR GOLF!	TOTAL	=\$
	Send		d form and	ment before the too your payment to: ana, Fl. 33465	urnament.	

Phone \* 561-585-3880

COMPLETE YOUR REGISTRATION AND FAX TO 561-585-3347

Or e-mail to pripple@pbacca.org

#### PBACCA Twenty-First Annual Golf Tournament Sponsorship/Volunteer **Opportunities**

We have specific sponsorships available, but will be open to other types of sponsorship suggestions. Please review the following list of opportunities, fill in the form below and mail to the specified address. Sponsorships on this list are first come-first serve basis. The earlier you confirm your sponsorship the more recognition you'll receive in future marketing.

#### Sponsorship Opportunities:

#### **PLATINUM SPONSOR**

#### \$3000.00

- HATS, Golf Shirts or Coolers with you company logo Sign at Registration Table featuring Company Name and your company Logo, Hang your company banners, Listed on a sign on Beverage Cart, Listed in the Golf Flier received by players day of the tournament, Acknowledged as a Gold Level Sponsor in the Event Article printed by Trade Newspapers and The Plenum, Includes a Foursome in Golf Tournament
- Hat Sponsor: UniFirst
- Shirt Sponsor:
- Dinner Sponsor:

#### **GOLD LEVEL SPONSOR**

#### \$2500.00

- Sign at Registration Table featuring Company Name and your company Logo, Hang your company banners, Listed on a sign on Beverage Cart, Listed in the Golf Flier received by players day of the tournament, Acknowledged as a Gold Level Sponsor in the Event Article printed by Trade Newspapers and The Plenum, Includes a Foursome in Golf Tournament.
- Lunch Sponsor:

#### > SILVER LEVEL SPONSOR -

#### \$2000.00

- Sign at Registration Table featuring Company Name and your company Logo, Acknowledged as a Silver Level Sponsor in the Event Article printed by Trade Newspapers and The Plenum, Listed in the Golf Flier received by players day of the tournament, Includes a Twosome in Golf Tournament.
- GOLF HOLE SPONSOR AND FOURSOME \$1000.00
  - \* GOLF HOLE SPONSOR---\$250.00 ea. 1'x3' sign on green and a commemorative token.
  - \*\*\*Package Deal-Get a Foursome, 4-Dinner tickets and a Hole Sponsorship for \$1000.00 (you save \$50.00) \*\*\*
- DRINKS ON THE COURSE SPONSOR \$ 1500.00

\$ 1000.00 RAFFLE PRIZE SPONSOR -TROPHY SPONSOR-\$ 1000.00 TV SPONSOR \$ 700.00 \$ 500.00 BALL SPONSOR-\$ 250.00 REGISTRATION TABLE -\$ 250.00 ea. GOLF HOLE SPONSOR -MULLIGAN TABLE SPONSOR -\$ 250.00

\$ 300.00 each Longest Drive, Straightest Drive, Closest to Pin, CONTEST SPONSOR -"Includes Prize" (to be announced at time of give-away)

Prize Donation RAFFLE PRIZE SPONSOR -Items Donated for 130 GOODIE BAG SPONSOR -

#### SPONSORSHIP/VOLUNTEER

Company/Product Name:		Contact Person:	
PH #:	FAX#:	E-Mail:	
ADDRESS:	CITY/ST/Z	<u> </u>	
Please check one or both of the f	ollowing:		
I would like to volunteer to Volunteers will get free fo	help during the tourname ood/beverages and one Dir		
Sponsor (type of sponsorsh If choice #1 already taken	1/		
Prize Donation. I would lil	ce to donate a prize(s) eith	er for the raffle or Goodie Bag items.	These are the items I will be donating
Send check to: PO Box 3407 I		22.47	
Contact Pam Ripple (a) 301-383	)-3660 - 1ax to 301-363-	-3347 or e-mail pripple@pbacca.o	rg

# Improve Your Business Image ...and Save 20%!



UniFirst is a proud sponsor of the PBACCA.

That's right! As a PBACCA Member, you can purchase high quality, image enhancing UniFirst uniforms and more, and receive 20% off all retail prices.

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# Arco Supply & Johns Manville A Winning Combination!



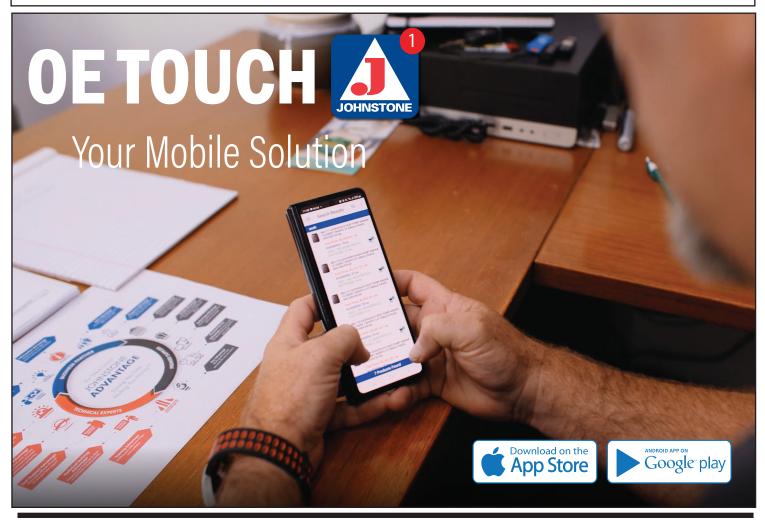
**Duct Board Fabrication Service We will cut 1" - 1.5" Duct Board** 

Arco Supply will optimize your take off on our computer and will cut, repack and deliver the board in order to save you time and money!

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**Refrigeration and Air Conditioning Equipment & Supplies** 

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# NOW OPEN SATURDAYS

Your local Baker Sales Centers are now open Saturdays! Check Bakerdist.com or the HVAC/R Contractor Assist App for exact hours.

Baker is proud to serve the Palm Beach Community at the following locations:

**Boynton Beach** 

1827 Corporate Dr. (561) 806-7075

West Palm Beach

1731 Old Okeechobee Rd. (561) 848–1416





Palm Beach Air Conditioning Contractors Association, Inc.
Name:
Company:
Email:
Cell Phone:
What can PBACCA do for you?
What meeting topics would you like?
Would you like to be added to email
and text msg?

## Events Calendar | | | |

Palm Beach Air Conditioning Contractors Association, Inc.

#### **2023 CALENDAR of EVENTS**

Sept 7	Board Meeting - 4:30 p.m Via Zoom
Oct 5	<b>General Meeting</b> - 5:30 p.m. The Beach Club, 1 7th Ave. North Lake Worth Beach <i>9th annual food drive</i>
Oct 28	21st Annual Golf Tournament: Winston Trails Golf Club 6101 Winston Trails Blvd, Lake Worth, Fl 33463
Nov 3	Board Meeting - 4:30 p.m Via Zoom:
Dec 9	General Meeting- 6 pm - Winston Trails Golf Club 6101 Winston Trails Blvd, Lake Worth, Fl 33463 4th Annual Casino Night & 10th annual toy Drive 2024 Board Election
Feb 10	Skeet shooting - 8am shot gun start OK Corral Gun Cub 9449 NE 48th St. Okeechobee, FI 34972







### **Another Reason to Smile**

#### Little Girl

This is truly a heartwarming story about the bond formed between a little girl and some construction workers. This makes you want to believe in the goodness of people and that there is hope for the human race. A young family moved into a house next door to a vacant lot. One day a construction crew turned up to start building a house on the empty lot. The young family's 5-year-old daughter naturally took an interest in all the activity going on next door and started talking with the workers. She hung around and eventually the construction crew, all of them gems-in-the-rough, more or less adopted her as a kind of project mascot. They chatted with her, let her sit with them while they had coffee and lunch breaks, and gave her little jobs to do here and there to make her feel important. At the end of the first week they even presented her with a pay envelope containing a dollar. The little girl took this home to her mother who said all the appropriate words of admiration and suggested that they take the dollar pay she had received to the bank the next day to start a savings account. When they got to the bank the teller was equally impressed with the story and asked the little girl how she had come by her very own pay check at such a young age. The little girl proudly replied, "I worked all last week with a crew building a house.""My goodness gracious," said the teller, "and will you be working on the house again this week, too?" The little girl replied, "I will if those useless sons-a-bitches at Home Depot ever bring us any drywall that's worth a crap!"



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Jim Carr, DSL 561-309-9868 jim@jbcarr.com



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#### **CONTRACTOR SPONSORS**





Palm Beach Air Conditioning Contractors Association PO Box 3407 Lantana, FL 33465 561-585-3880

## **Become Certified**

## PBACCA will provide a proctor upon request for onsite testing.

The E.P.A. has established a Mandatory Technician Certification Program. Technicians are required to become certified under the mandatory program. Under the final E.P.A. rule, the sale of refrigerant will be restricted to certified technicians.

## For more information on EPA testing call Pam at 561-585-3880.

OUR MISSION: To assist and better enable PBACCA members to acquire, serve and satisfy their customers.

### **Apprenticeship Corner**

## Need Qualified Technicians?

The next time you have an opening for a technician, call the local Apprenticeship office at 561-262-7523. They can help you find a qualified apprentice to hire and enroll in the local PBACCA sponsored Apprenticeship Program offered at Palm Beach Community College. You'll be sure your employee is being taught the right skills and acquiring the training to become a productive journey man.

Another way PBACCA serves you!