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## VOLUME 9

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## President's Report

Vahan Margaryan CPD, GPD President

Hello fellow ASPE LA members,

I hope this message finds you well.

On behalf of ASPE LA Leadership, I would like to express our sincere gratitude to the Product Show, Technical Seminar, and Golf Tournament Committees for their outstanding efforts in organizing the recent golf tournament and product show. Both events were exceptionally well executed,

providing excellent opportunities for networking, professional development, and fostering camaraderie among participants.

The committees' attention to detail, diligence, and commitment were evident in every aspect of these events. From the efficient registration process to the engaging activities and high-quality product presentations, their dedication to excellence shone through. Each committee member made

**Continued on page 3**

AMERICAN SOCIETY OF PLUMBING ENGINEERS LOS ANGELES CHAPTER

**September 10, 2025, Meeting**  
**“Liquid Nitrogen System: Key Design Factors”**  
**By Mrs. Priyanka Hira**  
**Application Engineer**  
**VACUUM BARRIER CORPORATION**

**WHAT YOU WILL LEARN:**

The presentation will cover the following topics, with time for questions:

- Liquid Nitrogen Plumbing
- Liquid Nitrogen Applications
- Liquid Nitrogen Equipment

**MEETING LOCATION:**

In Person:

*COURTYARD BY MARRIOTT BURBANK  
2100 W EMPIRE AVE, BURBANK, CALIFORNIA 91504*

**MEETING SCHEDULE:**

5:30 pm – Check in

6:30 pm – 7:30 pm – Presentation

**COST: Pay at door only**

Meeting Fee:

RSVP - \$55 and Retired BOD: \$30

Without RSVP - \$60

**RSVP Online:**

[RSVP](#)

**By: September 08, 2025**

**THE SPEAKER:**



- I am an Applications Engineer with Vacuum Barrier and am also a general resource for LN2 related questions.
- My background is in mechanical engineering, and I have been in the industry for about 2 years now. My goal is to educate, and bring to awareness the design considerations for LN2 systems.

If you have additional questions or needed information on this presentation, you can reach Priyanka at: [phira@vacuumbarrier.com](mailto:phira@vacuumbarrier.com)

For more information, visit our website [www.aspela.com](http://www.aspela.com)



## Upcoming Events

### October 2025

ASPE LA Family Picnic

### December 13, 2025

2025 Holiday Party

#### Continued from page 1

meaningful contributions to ensure success. Special recognition is extended to Thura for his leadership of both committees and to his team for their unwavering support.

We also extend our appreciation to our technical speakers—Matt Blanchard of Yardly Pump and Vacuum, Inc., Saum Nour of Absolute Consulting Engineers, and Doug Nakano of Fuel Oil Systems—for delivering exceptionally detailed presentations. Each generated strong interest within the plumbing engineering community and was very well attended.

Finally, we would like to thank our affiliates. Your generous contributions and sponsorship enabled us to offer these events free of charge to all participants. Thank you for your exceptional engagement and support—for dedicating time to share insights, foster discussions, and ensure that the engineering and design community remains informed about the latest industry innovations.

In addition to local attendees from LADWP, LADBS, LA County Public Health, and various engineering firms, the Product Show also welcomed a special guest: ASPE Region 1 Director Robb Risani.

Events like these, along with your continued participation, play a vital role in strengthening the plumbing engineering community, facilitating valuable relationships, and exemplifying the collaborative spirit of ASPE LA—the founding Chapter.

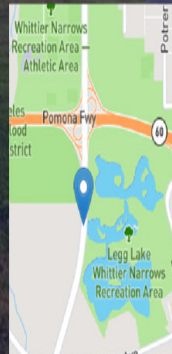
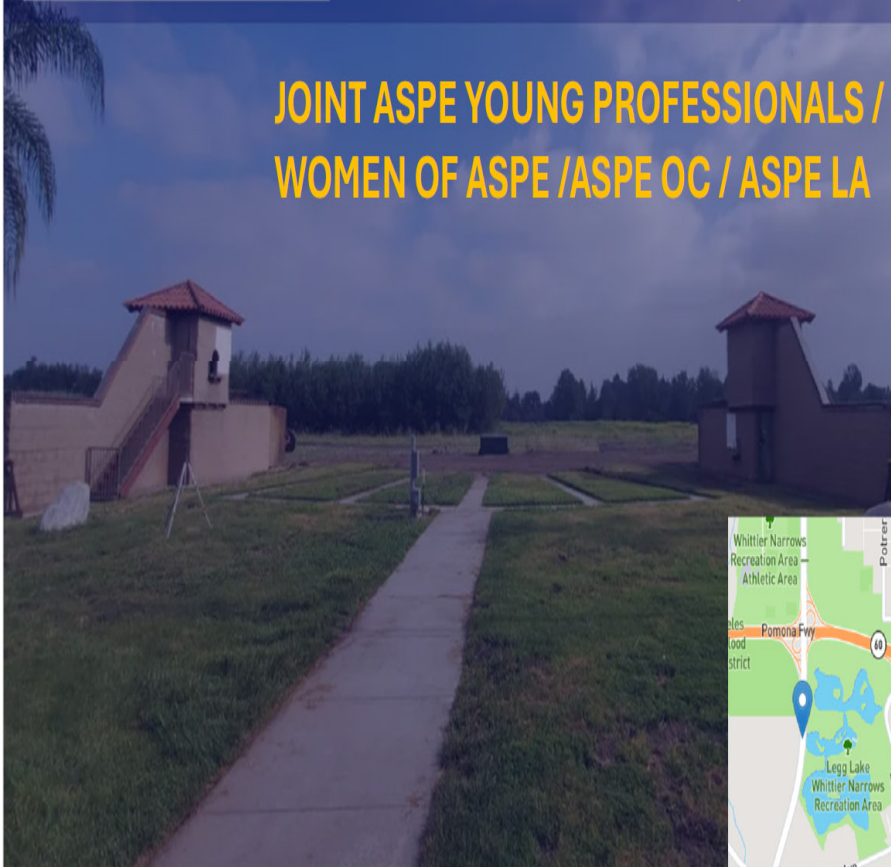
Looking ahead, the 2025 Certified Plumbing Design Technician (CPDT) exam will be held via remote proctoring from October 13–24, and registration is now open. To be eligible to take the CPDT exam, applicants must meet one of the following criteria:

Bachelor's degree in engineering with one year of experience designing plumbing systems



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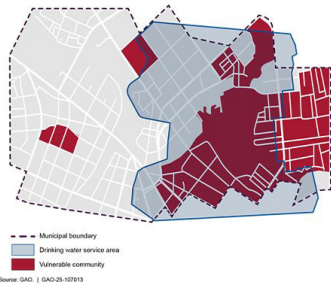
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## WASHINGTON WEEKLY



### New Government Report Highlights Water Infrastructure Challenges

A GAO report found that from 2014-2023, the EPA, FEMA, and USDA provided \$35 billion in grants and \$29 billion in loans to improve drinking water and wastewater infrastructure, including projects to boost resilience against natural disasters. While these agencies have taken steps to reduce barriers for rural, low-income, and other vulnerable communities, many still struggle to access funding. Limited and inconsistent mapping of water service areas makes it difficult to identify which communities benefit from these programs, though EPA is developing tools to address this gap. GAO issued eight recommendations, including better communication from FEMA on cost-share options and wider use of service area mapping tools, though some agencies disagreed.

[For More Information Click Here](#)

### EPA to Terminate Program Providing Solar Power Access for Low-Income Households

The Trump administration plans to end the \$7 billion “Solar for All” program, which aimed to expand access to affordable solar power for over 900,000 low-income households through rooftop panels, community solar projects, and battery storage. Officials say the program was repealed under a recent GOP spending and tax bill, but grantees argue the funds were already obligated and are prepared to challenge the move in court. Supporters warn that ending the program will deny low-income families lower utility bills, greater energy security, and health benefits, while also undermining efforts to cut greenhouse gas emissions. The Biden-era initiative was projected to save households over \$350 million annually and reduce pollution nationwide.

[For More Information Click Here](#)

Continued on page 8

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## Technical Report

BY Thura Zin CPD, GPD

The ASPE-LA 2025 Product Show and Technical Seminars were held on August 13, 2025, at the Quiet Cannon Conference & Event Center in Montebello. On behalf of the ASPE-LA Board of Directors, we extend our sincere thanks to:

Mr. Matt Blanchard, Yardley Pump & Vacuum, Inc.

Mr. Doug Nakano, Fuel Oil Systems

Dr. Saum Nour, PE, PhD, CPD, LEED AP, CFPE, AIA  
Allied, Absolute Consulting Engineers

for their informative and engaging presentations.

If you would like a copy of the presentations, please contact us.

We had an excellent turnout with 72 ASPE members and design professionals in attendance. Thank you to everyone who participated!

This year's show featured 41 exhibitor booths, and we

sincerely thank all of the manufacturers' representatives for showcasing their products. A large number of raffle prizes were also available for attendees. Raffle tickets were given to engineers and designers who attended either the technical sessions or the product show. Winners will be contacted via email and must attend our September 10, 2025, ASPE-LA meeting at the Courtyard by Marriott, Burbank to claim their prizes.

### Upcoming Meeting – September 10, 2025 | Courtyard by Marriott, Burbank

We're excited to return to the Courtyard in Burbank for our September meeting!

Join us on Wednesday, September 10, 2025, for a technical presentation by Mrs. Priyanka Hira, Application Engineer, Vacuum Barrier Corporation, titled:

“Liquid Nitrogen System: Key Design Factors”

Topics will include:

**Continued on page 10**



**Chris Sweeny**

Business Development Manager

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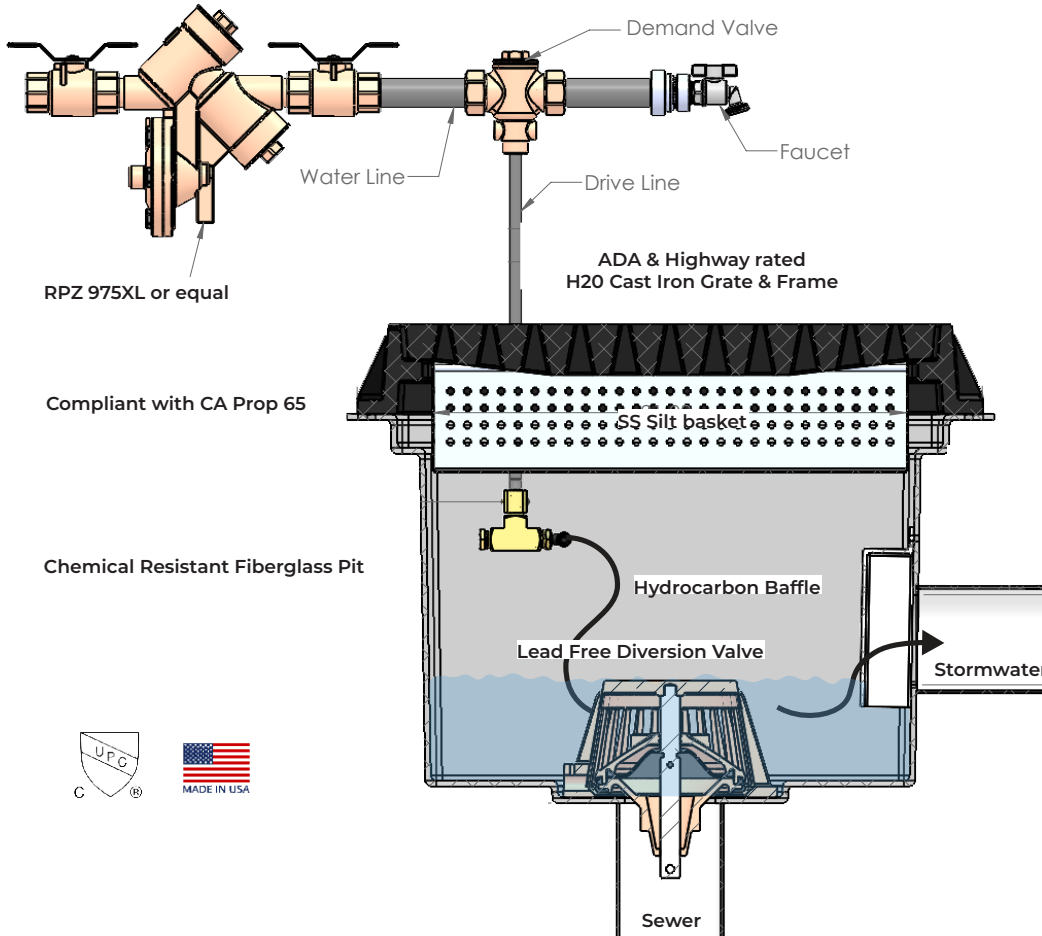
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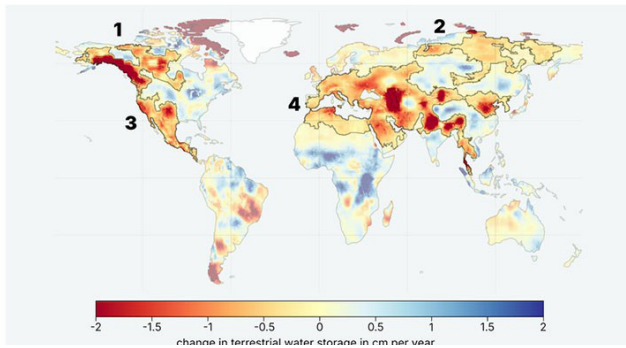
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### Global Freshwater Crisis Revealed Through Satellite Data

Satellite data over the past two decades reveals a severe global freshwater crisis, with four continental-scale “mega-drying” regions — Alaska and Northern Canada, Northern Russia, Southwestern North America and Central America, and the Middle East–North Africa — losing groundwater at alarming rates. Dry areas are expanding by roughly twice the size of California each year, and the loss of terrestrial water is accelerating faster than wet areas are gaining, driven by severe droughts and human overuse of groundwater. This drying contributes more to global sea level rise than melting glaciers and threatens agriculture, food security, biodiversity, and freshwater availability for 75% of the world’s population.

[For More Information Click Here](#)



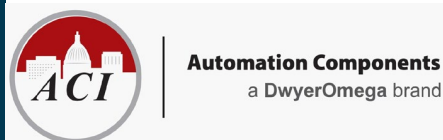
### Rising Electric Bills Are Increasingly Linked to Data Center Energy Use, Prompting States to Consider Taking Action

Amid rising electricity bills, states are facing pressure to protect ordinary ratepayers from the massive energy demands of data centers, which can consume more power than entire cities. While the exact impact on bills is debated, evidence suggests that residential and business customers are subsidizing data center energy use, prompting states like Oregon, New Jersey, and Pennsylvania to explore specialized rates and policies. Utilities and regulators often have incentives to attract large tech customers, creating challenges for transparency and fairness. States are now considering ways to make data centers pay their fair share for power and transmission infrastructure to prevent costs from falling on the public.

[For More Information Click Here](#)

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**Continued from page 6**

- Liquid Nitrogen Plumbing
- Liquid Nitrogen Applications
- Liquid Nitrogen Equipment
- ...and much more!

This is a fascinating and unique topic in plumbing design. Don't miss this informative session—we look forward to seeing you there!

Other Updates

**2025 ASPE Technical Symposium** – Mark your calendars! The symposium will be held at the Rosen Centre Hotel in Orlando, Florida. For more details, visit the ASPE Society website. If you are planning to attend, please contact our LA President, Vahan.

**2025 ASPE Family Picnic** – Our annual ASPE-LA Family Picnic is planned for October. Stay tuned for more details!

Get Involved

If you have ideas for future technical program topics, we'd love to hear from you! Please email any of our board members with your suggestions.

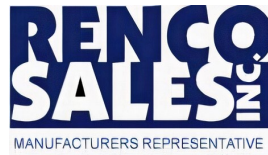
Stay connected by checking your inbox for announcements and by visiting the Technical Calendar on our website for upcoming events.

Thank you for your continued participation and support. We look forward to seeing you at our upcoming events!

Stay safe and take care.

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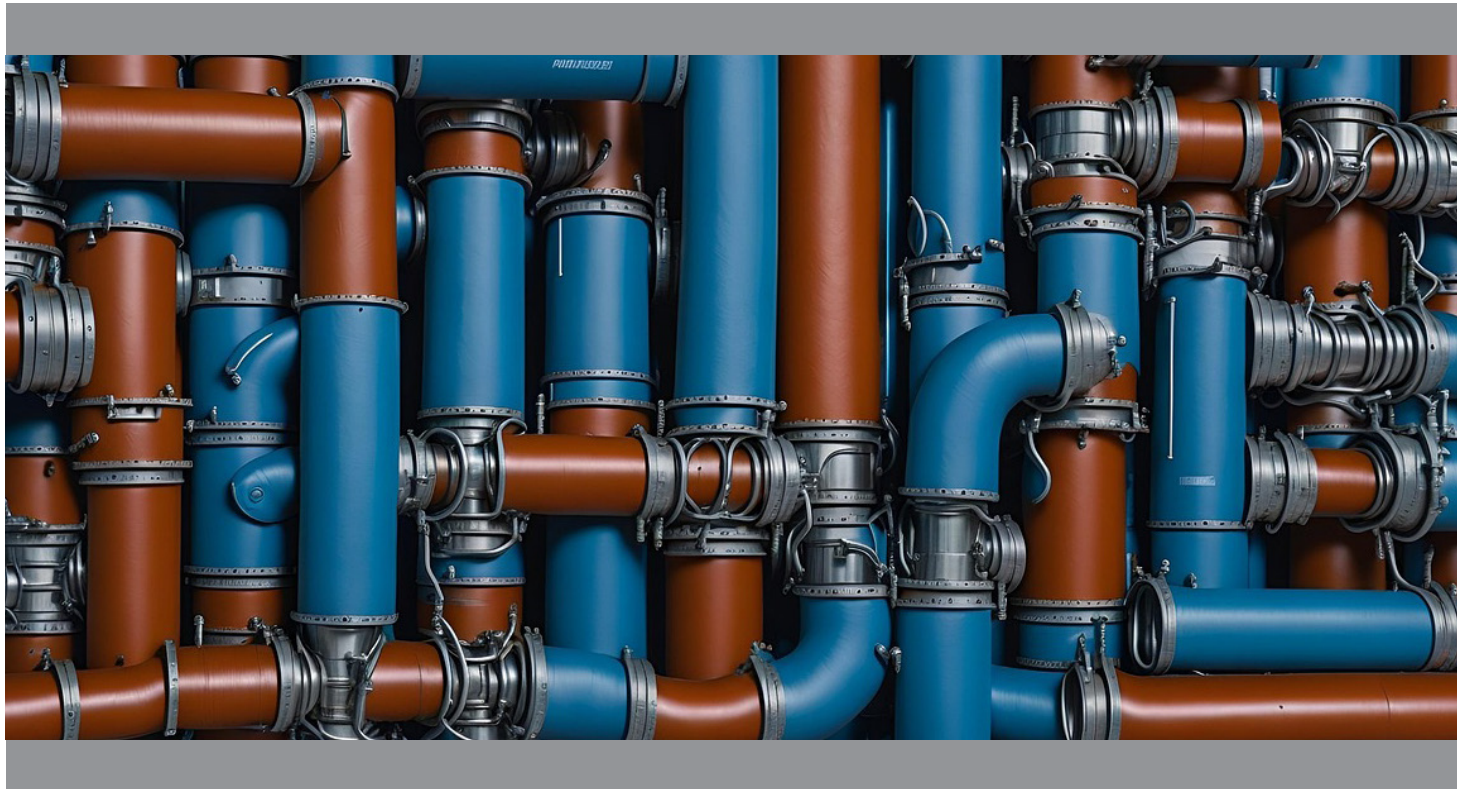


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Online Training  
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Location: Online  
Class: Revit (MEP)  
Day: Monday & Wednesday  
Time: 5:30 pm - 9:30 pm  
Meeting Dates: \*SEPTEMBER - 10, 15, 17, 22, 24, 29 \* OCTOBER - 1, 6, 8,13, 15, 20, 22, 27, 29 \* NOV - 3, 5, 10, 12, 17, 19, 24 \* DEC - 1, 3, 8

Location: Online  
Class: Revit Architecture  
Day: Tuesday & Thursday  
Time: 5:30 pm - 9:30 pm  
Meeting Dates: \* SEPTEMBER - 11, 16, 18, 23, 25, 30 \* OCTOBER - 2, 7, 9, 14, 16, 21, 23, 28, 30 \* NOVEMBER - 4, 6, 11, 13, 18, 20, 25 \* DEC - 2, 4, 9

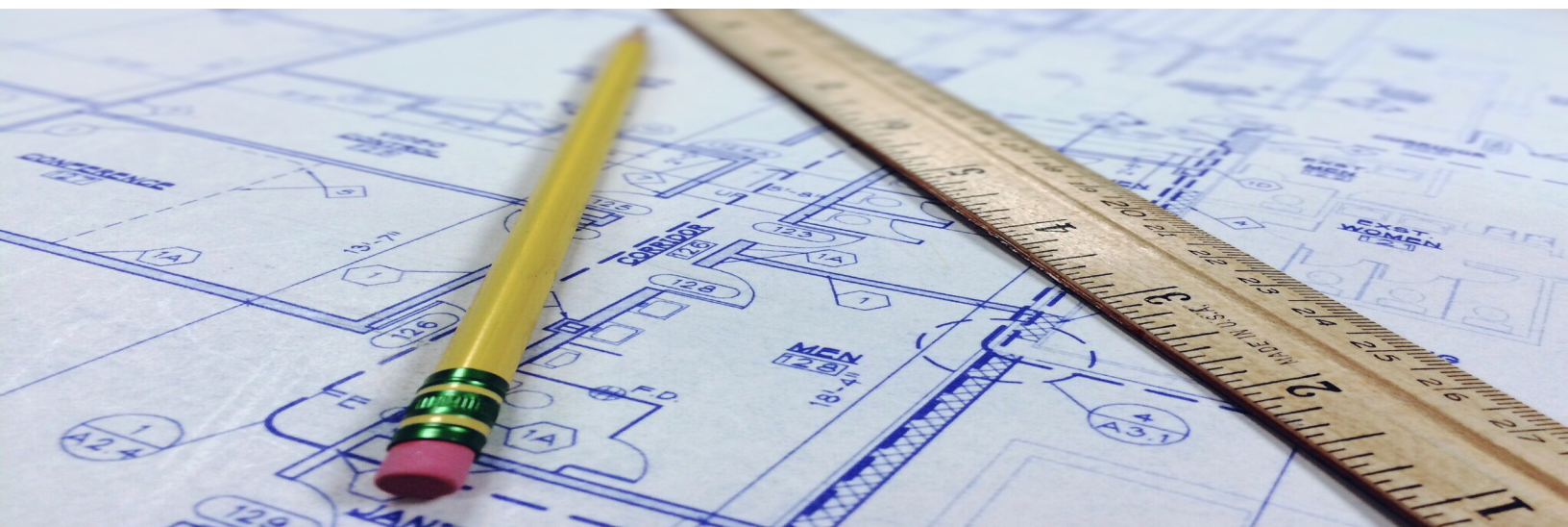
Location: Online  
Class: Revit Enhanced  
Day: Tuesday & Thursday  
Time: 5:30 pm - 9:30 pm  
Meeting Dates: \*SEPTEMBER - 11, 16, 18, 23, 25, 30 \* OCTOBER - 2, 7, 9, 14, 16, 21, 23, 28, 30 \* NOVEMBER - 4, 6, 11, 13, 18, 20, 25 \* DEC - 2, 4, 9

Location: Online  
Class: \*\*\*NEW\*\*\* Civil 3D  
Day: Tuesday & Thursday  
Time: 5:30 pm - 9:30 pm  
Meeting Dates: \* SEPTEMBER - 11, 16, 18, 23, 25, 30 \* OCTOBER - 2, 7, 9, 14, 16, 21, 23, 28, 30 \* NOVEMBER - 4, 6, 11, 13, 18, 20, 25 \* DEC - 2, 4, 9

Location: Online  
Class: BlueBeam  
Day: Tuesday & Thursday  
Time: 5:30 pm - 8:30 pm  
Meeting Dates: \* SEPTEMBER -11, 16, 18, 23, 25, 30 \* OCTOBER - 2, 7, 9, 14, 16, 21, 23, 28, 30 \* NOVEMBER - 4, 6, 11, 13, 18

Location: Online  
Class: AutoCAD  
Day/Time: Friday (5:30-9:30 pm) Saturday (8 am-12 pm)  
Meeting Dates:\* SEPTEMBER - 12, 13, 19, 20, 26, 27 \*OCTOBER - 3, 4, 10, 11, 17, 18, 24, 25 \* NOVEMBER - 1, 7, 8, 14, 15, 21, 22 \* DEC - 5, 6, 12, 13

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#### Performance

- Designed with variable speed fan for whisper quiet operation
- Wide Operating Range as low as 37°F - 109°F
- Designed with a Micro Channel Heat Exchanger Condenser to optimize the heat transfer and enhance energy savings for best in class recovery rate
- 4.5 KW back up elements for extra comfort
- Demand-Response Enabled- Save money by reducing energy usage during peak demand






#### Installation and Serviceability

- Zero Clearance- Gain back net living space with less install footprint for flexible installation
- Installs as easily as an electric water heater
- Easy troubleshooting and serviceability
- Duct ready to install in tight spaces



5 Operating Modes to meet any hot water demand



| Part #    | Included Accessories    |   |
|-----------|-------------------------|---|
| 107000677 | T&P Valve               |  |
| 107000674 | Drainage Pipe           |  |
| 107000678 | Drain Valve             |  |
| Part #    | Optional Accessories    |   |
| 103000120 | EHPWH Ducting Kit       |  |
| 103000119 | EHPWH Leak Sensor Valve |  |

**Rinnai.** Learn more at [rinnai.us](http://rinnai.us)

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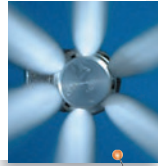
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- Close fire dampers and turn off HVAC to contain fire and maintain proper concentration of fire suppressant
- Safely shutdown equipment during a flood or sprinkler system discharge
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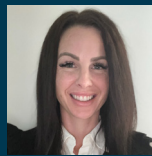
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