**Guide to Siphonic Storm Drainage**

**Course Description:** Traditional gravity storm drainage requires sloped pipe dictating the need for multiple vertical stacks within the design. Siphonic drainage allows the pipe to run dead level flat, utilizes ½ the diameter pipework, and provides 3-4x faster discharge for less ponding.

**Content Outline:**

-Do Gravity Drains hit a failure point? -Standard/Codes governing Siphonic Roof Drainage?

-What are Siphonic Roof Drains? -Install Difference: Bracing? Siphon Break? Cleanouts?

-Benefits of Siphonic Roof Drainage?

**Learning:** By the end of this presentation, all those in attendance will be able to understand the valve a Siphonic system can bring to their project - not only the monetary value, but also the improved efficiency/safety it brings to the building.

**Instructor:** Brennan Doherty is National Sales Manager for MIFAB HydroMax which has been responsible for over 1,000+ Siphonic projects and is hands down the US market leader in Siphonic Roof Drainage. In his role, Brennan educates owners, engineers, design build contractors, and architects across the country on the technical, design, and cost savings benefits of Siphonic Roof Drainage. As a value engineered alternative, Siphonic Drainage has been used by Walmart, Costco, Amazon, NASA, Marriott, State Farm, and number of high-profile projects.

Brennan is published for helping introduce Siphonic Drainage into the newest ASPE Design Handbook V2, obtained BMEC approval for Ontario, has written multiple articles for PME magazine, given presentations both national/regionally for ASPE, Tilt-Up, MCAA, PHCC, and IAPMO, was selected as one of the Supply House Times Young Executives, and has been invited to educate both Allegany County and State of KY Plumbing Board.

**Testimonials:**

“We were enabled to incorporate smaller size cast iron, PVC and copper pipes within the HydroMax Siphonic system which provided technical benefits as well as cost savings.”

-Kaz Kazeminia, Principal, OCI Associates, Inc. (Orlando, FL)

“No Kidding? I was always under the impression that siphonic typically required more ponding than roof drains would usually incur. That is really good to know!”

-Kyle Jones, Soultions AEC, (St. Louis, MO)

“We have been utilizing the MIFAB siphonic roof drain products and design services for several years. The HydroTechnic’s design team is very helpful and willing to assist us in meeting the expectations of our customers. The siphonic roof drain system is a great value engineering offer that we can offer to our customers and clients. The siphonic design is a proven cost savings over traditional gravity system designs.”

-Dan Zimmerman, Mechanical Manager, The Waldinger Corporation (Omaha, NE)

*Credits: 1 PDH or 0.1 CEUs will be awarded for this 1-hour session*

Articles:

[Siphonic storm drainage delivers cost savings along with technical and design benefits – PME](https://www.pmengineer.com/articles/96178-siphonic-storm-drainage-delivers-cost-savings-along-with-technical-and-design-benefits)

[99 Problems but a Pitch Ain’t One – PHPC Pros](https://www.phcppros.com/articles/15888-99-problems-but-a-pitch-aint-one) [/ Plumbing Engineer](https://digital.plumbingengineer.com/Plumbing-Engineer-August-2022/62/)

[Siphonic drains reduce pipe diameters and help avoid excavation – PME](https://www.pmengineer.com/articles/94245-siphonic-drains-reduce-pipe-diameters-and-help-avoid-excavation)

[Opportunity knocks for drainage products – PME](https://digital.bnpmedia.com/publication/?i=632171&article_id=3524781&view=articleBrowser&ver=html5)