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HOUSTON CHAPTER

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# ASPE Newsletter

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Chartered July 10, 1968

November 2023

Houston, Texas

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## Houston ASPE Board of Directors



Jaime Cruz  
Chapter President



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VP Technical



Curtis Dady  
VP Membership



Dave Cropper  
VP Legislative



Chris Tuey  
Administrative Secretary



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H O U S T O N

**PAUL TULLY**  
FIELD TECHNICAL REPRESENTATIVE

**CHARLOTTE**  
PIPE AND FOUNDRY COMPANY



## MEETING TOPIC

CAST IRON COATINGS FOR  
AGRESSIVE DWV APPLICATIONS

**NOVEMBER 1ST**  
**11:30 AM-1:00 PM**

**DUKESSA EVENT**  
**VENUE**  
**2840 CHIMNEY**  
**ROCK RD**  
**HOUSTON, TX**  
**77056**

## BIO

Paul Tully is a Field Technical Representative for Charlotte Pipe and Foundry Company. Paul has been in the plumbing industry for over 30 years, working with many facets of the construction industry. In his current position, his primary focus is educating engineers, designers, contractors, and code officials on products, industry trends and issues, as well as resolving job site issues. Paul graduated from the University of North Texas with a BBA in Strategic Management. Paul is based in the Dallas, TX, area and serves the south central and Rocky Mountain states.

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# President

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November 2023

AAhh! The cool air feels so good! By the time you read this article, Halloween will be right around the corner, and guess what!?! Our November meeting is the next day, two great events back-to-back. I hope everyone has a great evening out with the kiddos for those of you who walk the streets for the treats. Trick or Treat, and be safe.

We had a great turnout at the October meeting, and as always thanks to all who attended. Our chapter's regular general meeting will be resuming at the Dukessa Event Venue on 2840 Chimney Rock Road Starting at 11:30 a.m. on Wednesday, November 1st. Please be sure to RSVP early! Our November Houston ASPE Chapter BOD meeting will be held on Friday, November 10th. Please make plans to join us and see Billy's, your VP Technical article for information regarding the speaker and technical topic. Go to our official ASPE Houston website and register. As always, our AYP and WOA Liaisons Joe Brewer and Shannon Yancy are working hard to get their events scheduled. These are always fun events to attend so please be on the lookout.

We are continuously striving to provide our members with meaningful, education, and even sometimes fun chapter meetings. If you have any ideas for future chapter functions or meeting topics, please contact one of the BOD members. We are always open to suggestions and want to encourage as much member participation as possible.

If anyone is interested in getting involved with any of the events that we have in store for this year, please don't hesitate to reach out to me via email or give me a call. Thank You!

Stay cool and safe my friends!

Thanks,  
Jaime Cruz  
President



# HOUSTON 2023 CHRISTMAS PARTY

Sunday, December 3 | 6:00 - 9:00 pm



The Bell Tower on 34th  
901 West 34th Street, Houston  
Self-parking

## Casino Night! Live Band! Prizes!

*Enjoy fantastic food, FUN, and drinks with ASPE's Houston Chapter*

- ★ Tickets are \$20 each, which includes two beers or cocktails and buffet. Additional cocktails are cash only (sorry, no credit cards).
- ★ Dress is business casual (Santa suit optional).
- ★ Member and one guest only (no children please).
- ★ Not a member? Join ASPE and ASPE Houston will provide one free entrance ticket.
- ★ Don't gamble? No problem! You will still receive casino bucks to purchase raffle tickets for your chance at winning prizes.

**Deadline to RSVP and pay: November 17, 2023**

RSVP to Chris Ennis at [c.ennis@firedsi.com](mailto:c.ennis@firedsi.com) with the member name and number of tickets. Make sure your email is confirmed. You will then be invoiced accordingly.



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# VP Technical

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Dear ASPE members,

As we approach the Halloween season, we want to remind everyone to prioritize safety during your festivities. Whether you're out trick-or-treating, attending parties, or decorating your homes, please be mindful of your surroundings. Use reflective clothing or carry a flashlight when walking at night, and ensure your costumes allow for clear visibility and mobility. Check all treats before consuming them, and if you're driving, be extra cautious with the increased pedestrian traffic. Let's make this Halloween a fun and safe experience for all.

We'd like to inform you that there will be no official meeting scheduled for December. Instead, we have a special treat in store for all of you! We will be hosting our annual holiday gathering where we can come together to celebrate the festive season and enjoy each other's company. Stay tuned for more details, and we look forward to seeing you there.

Our next ASPE Houston general meeting will be on November 1st at Dukessa. The presentation will be Charlotte Pipe's new cast iron coating offers numerous advantages for aggressive applications. This innovative coating enhances the durability and longevity of cast iron pipes, making them highly resistant to corrosion and wear in challenging environments. Its exceptional resistance to aggressive chemicals and harsh conditions ensures that these pipes maintain their structural integrity, even when exposed to extreme conditions. This durability minimizes maintenance and replacement costs, making Charlotte Pipe's cast iron coating a cost-effective and reliable choice for industries and applications where strength and longevity are paramount.

If you are interested in presenting or have a technical topic in mind, please contact me at [Btucios@PBSEngineers.com](mailto:Btucios@PBSEngineers.com), or at 832-229-7819.

VP, Technical

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**Welcome new members:** Gary Hunter (Broussard Water Management Products), Roemar Cerano, EIT

## Region 5 membership standings:

Chapter	Total	PE	CPD	CPD + PE
<b>Region 5 Total:</b>	<b>1728</b>	<b>384</b>	<b>283</b>	<b>76</b>
Chicago	285	52	64	20
Dallas/Ft. Worth	270	70	50	17
Houston	232	32	29	13
Wisconsin	160	35	13	3
Minnesota	155	43	29	6
Central Texas	137	30	23	2
St. Louis	129	34	28	7
Kansas City	124	40	16	7
Omaha	75	12	14	0
Oklahoma	73	18	6	0
Arkansas	48	6	4	0
Central Illinois	31	7	7	1
Lubbock High Plains	9	5	0	0

**The Houston Chapter Board of Directors appreciates help from each of you for recruiting colleagues and contacts to the ASPE Houston Chapter!**

Curtis Dady  
VP Membership

## Member Benefit Tips

### **BOOST YOUR INDUSTRY VISIBILITY**

Demonstrate your abilities to lead and boost your industry visibility by volunteering to join your Chapter Board of Directors or apply to join the Society Board of Directors. Employers, clients, and coworkers respect and look up to ASPE Chapter and Society Officers. Without our leaders, we would not have a Society; it's worth the work.

### **SPECIAL-INTEREST GROUPS**

ASPE Young Professionals (AYP) is designed for young industry professionals looking to meet with peers to share experiences, exchange ideas about the plumbing design industry, and network with other Chapter members. The focus of AYP is to help young plumbing engineers, design professionals, and practitioners establish contacts and further the mission of the Society. ASPE members 35 years old and younger are all included in this special-interest group.

The core mission of the Women of ASPE (WOA) is to engage, retain, and advance women in the plumbing design industry, through education, leadership development, and networking opportunities. WOA is committed to bringing together women and assisting them to achieve their professional and personal goals.

### **MEET POTENTIAL CLIENTS/MEMBERS**

If you are an Affiliate member, in sales, who steps up and takes on a membership role, you are in a unique position to promote ASPE and your company. Your leadership role is a valuable way to place yourself in front of prospective clients and members. Talk to your Chapter Board of Directors and see what you can do to promote yourself and ASPE.



## Message from Brianne Hall, PE, CPD | ASPE VP Legislative | ASSE International Region 8 Director

NFPA 99-2024 is available and includes the language below referencing ASSE 6060 - Medical Gas Systems Designer. Thank you to those who supported the development of the professional qualification standard, supported the training, the exam development process and supported the inclusion within NFPA 99.

### "5.1.3.3.2 Design and Construction

5.1.3.3.2.1 Medical gas and vacuum systems shall be designed by one of the following:

- (1) A party technically competent and experienced in the field of medical gas and vacuum system design and meeting the requirements of ASSE/IAPMO/ANSI 6060, Professional Qualifications Standard for Medical Gas System Designers
- (2) A party deemed technically competent through other qualification(s) deemed sufficient by the health care facility's governing body"



### Did You Know ASSE 6060 Will Be Required in NFPA 99?

In August, the NFPA Standards Council approved the 2024 edition of NFPA 99: Health Care Facilities Code, which includes a new stipulation for medical gas system designers to meet the requirements of ASSE 6060. To help you stay ahead of the curve, ASPE now offers an online medical gas training course in partnership with MedGasCards.com. The self-paced, 32-hour course fulfills the training requirement for ASSE 6060 and also offers 1.2 ASPE CEUs. You can start your training at MedGasCards.com.

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# Special Interest Groups

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Women  
of ASPE®



**Shannon Yancey**

We are pleased to announce that Shannon Yancey with Caleffi North America has agreed to take on WOA Chair for our Houston Chapter. We are excited to have her part of the team and she will have some exciting events lined up soon for our Women of Aspe!

ASPE  
YOUNG  
PROFESSIONALS



**Joe Brewers**

The ASPE Young Professionals (AYP) special interest group is designed for young industry professionals looking to meet with peers to share experiences, exchange ideas about the plumbing design industry, and network with other chapter members. The focus of AYP is to help young plumbing engineers, design professionals, and practitioners establish contacts and further the mission of the Society. ASPE Members 35 years old and younger are all included in this special interest group.

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# Women of ASPE®



*invites you to:*

*Wine Tasting at*

**SABLE GATE**

WINERY

2600 Travis St., Suite 105 | Houston, TX



Join the Women of ASPE for a laid back evening of fun at Sable Gate Winery. Participants will have the opportunity to sample a flight of wine made up of six varietals while enjoying some delicious appetizers. Questions or comments?

Contact Shannon at  
[shannon.yancey@caleffi.com](mailto:shannon.yancey@caleffi.com)

**NOVEMBER 8TH**  
**6PM-8PM**

**SAVE  
THE DATE**

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at



# SILVER



# BRONZE



# Houston Adopts Uniform Plumbing Code and Uniform Mechanical Code



Posted 26 Oct 2023

Tagged on IBU

**Houston** — The Houston City Council, representing the nation's fourth most populous city, has voted to adopt the 2021 editions of the *Uniform Plumbing Code (UPC®)* and *Uniform Mechanical Code (UMC®)*. This vote follows an extensive review conducted as part of the city's Construction Code Modernization Project, which involved more than 200 community stakeholders representing more than 50 construction and industry associations.

This adoption is an update from the 2015 editions of these codes and will go into effect Jan. 2, 2024. The city of Houston has utilized the Uniform Codes since 1985.

"Our commitment to ensuring the health, safety, and welfare of our residents is unwavering," said Houston Mayor Sylvester Turner. "Advancing from the 2015 to the 2021 base codes reaffirms that commitment and furthers our Resilient Houston plan."

The adoption of the 2021 editions reaffirms Houston's dedication to setting high standards for construction and building maintenance, providing a safer and more sustainable living environment for all.

"We are pleased that the Houston City Council voted in favor of endorsing the continued use of the Uniform Codes, which are the preferred codes of the industry," said Wayne Lord, business manager of Plumbers Local Union 68.

"This decision ensures safety, elevates construction standards, and aligns with the industry's best practices," said Josh Hollub, Plumbing-Heating-Cooling Contractors Association of Texas (PHCC) board member.

There are many significant resilient provisions that communities can enjoy in the *UPC*, such as specifications to address the impact of water temperature on the potential for scalding and *Legionella* growth. The *UPC* also includes holistic provisions for storm piping materials and sizing methodologies, along with domestic water right-sizing through the addition of the Water Demand Calculator™ (WDC) (<https://www.iapmo.org/water-demand-calculator/>).

Other noteworthy updates in the 2021 editions include:

- Alternate Water Sources for Nonpotable Applications
- Nonpotable Rainwater Catchment Systems
- Alternate Plumbing Systems
- Potable Rainwater Catchment Systems
- Sustainable Practices
- Hydronic provisions for radiant heating and cooling
- Geothermal energy systems

“It has been a pleasure to work alongside the local plumbing industry, city staff, and city council as they deliberated this important action,” said John Mata, IAPMO Field Services representative.

Introduced in Los Angeles in 1928 and formally published as the *Uniform Plumbing Code* in 1945, the *UPC* is developed to govern the installation and inspection of plumbing systems as a means of promoting the public’s health, safety and welfare. Later published by IAPMO in 1967, the *UMC* provides the same governance for mechanical (HVAC, combustion, exhaust, refrigeration) systems. Developed and subsequently republished at the conclusion of each three-year code cycle, the *UPC* and *UMC* are designed to provide consumers with plumbing, heating, and mechanical systems that meet all applicable standards while, at the same time, allowing latitude for innovation and new technologies.

[Link to IAPMO Reference](#)

# FLOODPLAIN MANAGEMENT OFFICE / PLAN REVIEW

**UPDATE**

1. Equipment & Utilities in the floodplain, Sec 19-32 General Standards (a)(1 thru 7)

REFERENCE: grease trap & sample wells located on the exterior of the building.

(RE: P1.0 / Notes (2 & 3) & P3.0 / Detail 5 **must have bolted lid**)

REFERENCE: grease trap & sample well.

All equipment & Utilities in the floodplain must be elevated 2 feet above the 500-yr floodplain, measured to the bottom of equipment & connections.

Alternatively, equipment & utilities may be flood-protected as certified by the licensed, State of Texas Engineer of Record.

Grease traps & sample wells must be the following:

\*\*\* adequately anchored to prevent floatation, collapse, or lateral movement in floodwaters.

\*\*\* constructed by methods & practices to minimize flood damage.

\*\*\* constructed of materials resistant to flood damage.

\*\*\* designed to prevent or eliminate infiltration of floodwaters into the system and discharge of sewage into floodwaters.

\*\*\* **have bolted-down lids.**

The information on Flood Protection certificate must match the drawings & clearly indicate method of compliance for flood protection. Please request a Flood Protection certificate from [fmo@houstontx.gov](mailto:fmo@houstontx.gov).

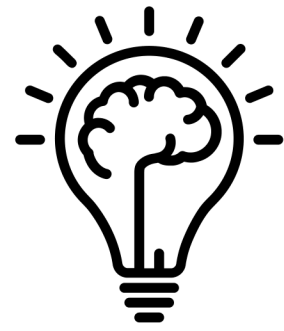
**Response:**

Zed,

As it was explained to me, bolted lids for grease interceptors and sample wells in a flood plain will be required. The requirement is a FEMA mandate. The COH Health Dept will have to change their method of operation regarding pickable lids. The requirement is new to me also. Plumbing plan review has been advised.

Respectfully,

Carlos Flores  
Division Manager, Plumbing Inspections  
1002 Washington Houston TX 77002  
832-394-9284 Office  
Texas State Board of Plumbing Examiners  
Inspector License-2083  
Image  
IAPMO Certified Inspector/Committee Chairman  
Texas Gulf Coast Chapter Chairman/IAPMO Board of Director



#### A STORY OF THE MAN THAT ••NEVER GA VE-UPT

"This man was born in 1809.

In 1816, at age 7, he was forced to work because his family was expelled.

In 1818, he lost his mother.

In 1828, he lost his sister.

In 1831, he opened his first business and went bankrupt.

In 1832, he stood In the legislative elections and lost.

In 1833, he borrowed money to open another business and went bankrupt again.

In 1835, he met a wonderful woman. He falls In love with her, they get engaged, and she dies.

In 1836, he entered a dark period of his life: deep depression.

He remains bedridden for 6 consecutive months. But he gets up.

He gets up and in that same year of 1836 he runs In the legislative elections and loses again.

In 1840 he presented himself as an elector; he loses.

In 1842, he met the woman he would end his life with.

They fall in love, get engaged, get married and she gives him 4 children and they lose 3 (three).

In 1843, he appeared at the congresses and lost.

In 1845, he appeared again at the congresses and lost again.

In 1850, his son died.

In 1854, he ran for the Senate and lost.

In 1856, he ran for Vice President, he didn't even have 100 votes.

In 1858, he ran again for the Senate and lost again.

In 1860 ABRAHAM LINCOLN was elected President of the United States of America.

He was elected for two exceptional terms (he was assassinated in beginning of the second term.) He was one of the most respected and impactful Presidents in the history of the United States.

It's important to tell this story of perseverance because we see the hero, but we don't see the backstage of the afflictions. "



*November*

Joe Brewers

Larry Miguel Flauteros

Kevin Henderson

Zed Hernandez

Jim Ivey Daniel Leos

Justin Mahan G.E.

Richard F. Merz Jr.

ed Moore

Jair Vasquez P.E.

Bryan Vavra

Kathryn Watson

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**Bradford White Microban® specifications can be accessed in the following locations:**

- BSD Speclink to get Microban® integrated into the platform.
- MasterSpec to get Microban® integrated into the platform.
- Specification section on the Bradford White website (scan the code to access).

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CHRISTOPHER B. ENNIS, CET  
ce@firedsi.com

P. MARK THOMASSON, CET  
mt@firedsi.com

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# MEP SPOTLIGHT



## ABOUT CEG

Collaborative Engineering Group (CEG) was established in 2010 by a group of experienced engineers who wanted to create an MEP engineering firm with a strong focus on collaboration with team partners.

CEG's partners bring a diverse portfolio of professional engineering services in the design of Mechanical, Electrical, Plumbing, and Fire Protection Systems.

It is the philosophy of CEG that when the MEP engineers function as a collaborative team partner, the client obtains the most innovative, functional, and cost effective project. In addition, CEG is committed to providing the consistent, responsive, personal attention that each client desires.

# THE KIM GASKEY MEMORIAL GOLF TOURNAMENT



# THE KIM GASKEY MEMORIAL GOLF TOURNAMENT



# THE KIM GASKEY MEMORIAL GOLF TOURNAMENT



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# Carrer Opportunities

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Infinity MEP+S is looking for **Plumbing Designers** to join our team in Houston! If you're interested in becoming a part of our team and building a career, we want to talk to you!

At Infinity, we are committed to building a culture of growth and development within our team. Our employees are our greatest asset, and we strive to give them the resources and training to reach their full potential.

Check out our job post for more information!

Or send resumes to [nbadke@infinitymep.com](mailto:nbadke@infinitymep.com)

Spread the word and connect us with anyone that is looking for this new opportunity!



Wylie Engineering is hiring! We are looking for Plumbing Designers with experience in building construction plumbing and fire protection systems design. Come join our dynamic team in our Houston office! Wylie Engineering has a strong history of serving the architectural and construction community in Houston, Austin, and across Texas – currently celebrating our 35th anniversary! Our portfolio includes diverse and interesting projects ranging from healthcare, lab, high-rise residential, commercial office, higher education and many more.

Primary areas of responsibility include providing design concepts for plumbing and fire protection systems, coordinating design with project management and other disciplines, and production of system designs using AutoCAD & Revit.

Certified Plumbing Designer (CPD) is preferred, but not required.

Please submit resumes to [HR@wylieeng.com](mailto:HR@wylieeng.com).



# TELIOS

## **Mid-Level Plumbing Engineer in Houston, TX**

Position available for a mechanical engineer/plumbing designer with a primary focus on plumbing, hydronics, and fire protection system design. Market focus will be commercial, corporate office, healthcare, and industrial facilities. Specific areas of responsibility include the following:

Designing plumbing and fire protection systems for a fully operational facility.

REVIT based design production.

Assisting in the coordination of project designs with other disciplines.

Attending construction site observation and construction administration meetings.

Maintaining positive client relationships.

Production of project-specific plumbing, hydronics, and fire protection specifications.

### Minimum Criteria

3 to 7 years experience in plumbing systems design

Bachelor's degree in Architectural or Mechanical Engineering is preferred, but not required.

E.I.T. is preferred, but not required.

Strong quality control of documents.

Please submit resume to [career@teliospc.com](mailto:career@teliospc.com).

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# Committee Members

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## **Dave Cropper**

Chapter Affiliate Liaison, Construction Industry Council

## **Francisco DeHoyos**

Society legislation committee co-chair, Society education committee member, Society long-range committee member Region 5 legislation representative, Houston Chapter Education Chair

## **Donald Taylor, CPD**

Board of Governors Chairman, Society Education Committee

## **Zed Hernandez**

Webmaster, Newsletter Editor/ Social Media Director

## **Greg Salter / Jaime Cruz**

Product Show Chair/ Co-chair

## **Greg Swafford**

Region 5 Affiliate Liaison

## **Chris Ennis, CET**

Chapter Social Director

## **Cyril Unger**

Society Chair, Legislative Committee

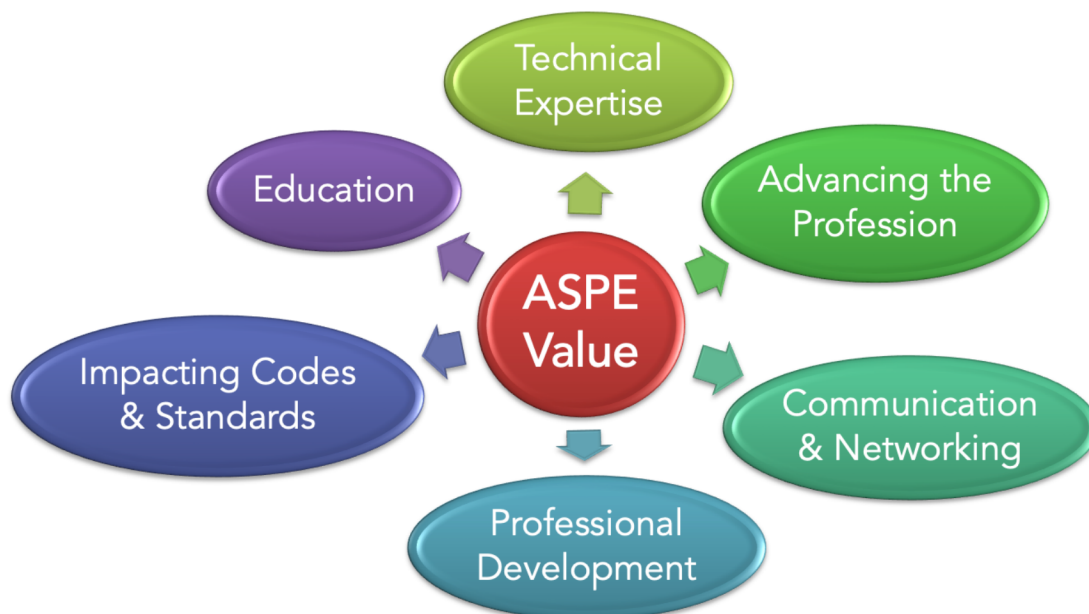


Connect with us  
on Social Media!



## ASPE Purpose

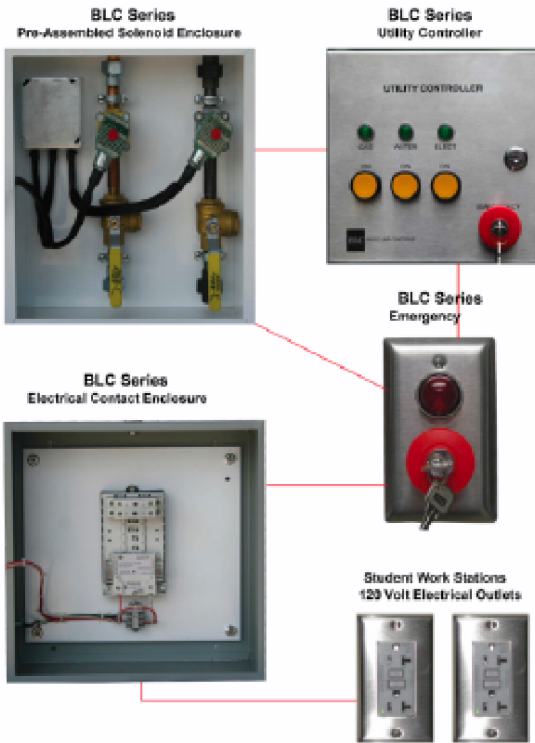
The core purpose of the American Society of Plumbing Engineers is to continually enhance and promote the profession of plumbing engineering design while assisting in improving the health, welfare, and safety of the public on a global scale.



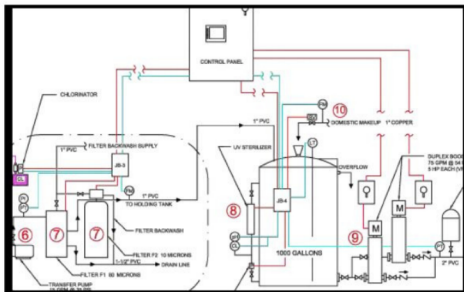
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- Storage Systems



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The following are the current construction codes enforced by the City of Houston.

Code	Publisher	Effective Date
2015 International Residential Code (with Houston Amendments)	ICC	April 1, 2022
2015 International Building Code (with Houston Amendments)	ICC	April 1, 2022
2015 International Fire Code (with Houston Amendments)	ICC	April 1, 2022
2015 International Existing Building Code (with Houston Amendments)	ICC	April 1, 2022
2015 Uniform Mechanical Code (with Houston Amendments)	IAPMO	April 1, 2022
2015 Uniform Plumbing Code (with Houston Amendments)	IAPMO	April 1, 2022
2018 Swimming Pool and Spa Code (with Houston Amendments)	ICC	April 1, 2022
2020 National Electrical Code (State Mandated) • Administrative Code Provisions (Effective April 1, 2022)	NFPA	November 1, 2020
Sign Code (Chapter 46 of the Houston Building Code)	COH	July 29, 2020
2015 International Energy Conservation Code (with Houston Amendments) - <i>For One and Two-Family Dwellings and Multi-Family 3 stories or less.</i>	ICC	October 24, 2016*
2015 International Energy Conservation Code (with Houston Amendments) - <i>For Commercial Structures, including Residential Structures more than 3 stories</i>	ICC	December 9, 2016*
ASHRAE 90.1-2013 (with Houston Amendments) - <i>For Commercial Structures, including Residential Structures more than 3 stories</i>	ASHRAE	December 9, 2016*
2012 Code Words - various sections interpreted and administrative policies	COH	N/A

\* The enforcement of Chapter 11 of the 2015 International Residential Code became mandatory by state law effective September 1, 2016. The enforcement of the 2015 IECC-Commercial Provisions became mandatory by state law effective November 1, 2016.

**ICC** International Code Council  
500 New Jersey Avenue, NW  
6th Floor, Washington, DC 20001  
(888) 422-7233  
<http://www.iccsafe.org>

**IAPMO** International Association of  
Plumbing and Mechanical Officials  
4755 E. Philadelphia St  
Ontario, CA 91761  
(909) 472-4100  
<http://www.iapmo.org>

**NFPA** National Fire Protection Association  
1 Batterymarch Park  
Quincy, MA 02269  
1 (800) 344-3555  
<http://www.nfpa.org/>

#### ACCESSIBILITY

For regulations pertaining to Accessibility, please contact:

Texas Department of Licensing & Regulation  
920 Colorado P.O. Box 12157  
Austin, Texas 78711

Toll-Free (in Texas) 800-803-9202  
Tel: (512) 539-5669  
Fax: (512) 539-5690  
TDD: (800) 735-2989  
<https://www.tdlr.texas.gov/ab/abtas.htm>

The Houston Amendments to the Codes, the Sign Code, and 2012 Code Word can be downloaded at:  
<https://www.houstonpermittingcenter.org/help/codes>



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