ASPE RICHMOND CHAPTER NEWSLETTER





April 15

LOCAL INDUSTRY NEWS

NEW HENRICO LIBRARY AT LIBBIE MILL- CONSTRUCTION CAM

Watch live here: http://oxblue.com/open/Henrico/LibbieMill

PROJECT HIGHLIGHTS

Have a project you would like featured in the newsletter? Submit your project info or photos to <u>j.lansing@ha-inc.com</u> and receive a free lunch at the next meeting!

ASPE RICHMOND CHAPTER NEWSLETTER

ASPE RICHMOND PRESIDENT'S LETTER

Dear Fellow ASPE Members,

I would like to thank everyone who attended our March meeting. Special thanks to our speaker Brian Helfrich – Hilti, our friends from SFPE and all of our tabletop sponsors.

This month's meeting topic will be minimizing microbial growth, types of waterborne pathogens, formation of bio-films, Legionnaire's disease, and new concepts to prevent water stagnation, presented by Bob Radford - Viega.

I hope everybody is enjoying this nice weather. It's a welcome change from an unusually long, cold winter here in Richmond. I can't believe next month is our final meeting for this session before the summer break. This year I would like us to meet at least once during the summer and have some quality time grabbing some drinks together and doing some bowling – more details to follow shortly.

If anybody took the CPD exam this past week, I hope they were successful and will receive the Certificate in Plumbing Design in the next couple of weeks.

I can't believe that has been almost a year since I took over the President position for this chapter. I did not realize how much work it would involve until recently and now I can fully appreciate the past Presidents' hard work to build and keep this chapter strong. It was a very fast learning curve for me and I have more to learn. Please never hesitate to contact me through email or in person at the meetings and let me know how I, with the help of the Board of Directors, can improve what we have been doing; constructive criticism is always welcome.

Next month we will be voting for our new board. If you are interested in holding a position on the Board, please contact me or any of the current Board members by the end of April. On May 1st I will send out an email with the list of candidates that will be on the ballot for the May election. Board of Directors positions are: President, VP - Technical, VP - Legislative, VP - Membership, VP - Education, Treasurer, Administrative Secretary, Corresponding Secretary, Affiliate Liaison, Newsletter Editor.

I am looking forward to seeing you all at the meeting on Wednesday April 15th at 11.30am.

Istvan Godri Martis, CPD, GPD President ASPE Richmond Chapter



NewAge Epoxy Soil Pipe

Durable. Dependable. Affordable.



High quality coatings for years of service!

This product information sheet will thoroughly explain the coating process, use and applications for NewAge epoxy coated cast iron soil pipe. The cured epoxy is stable, tough, and resistant to corrosive chemicals. Epoxies are excellent surface coatings, inert to chemicals and high temperatures, adhere well to cast iron

resulting in a very long life for our NewAge Epoxy system.

There is a difference between paint and epoxy coatings. Paint is a liquid that dries to form a thin colored layer when it is spread on a surface. Epoxies are a class of thermosetting polymers. Two part epoxies are combined with a curing agent that when mixed reacts to form a complex group of linking monomers.



While epoxy coated cast iron is relatively new to the United States, it has been used extensively throughout the world for many years. Epoxy coated pipe endures effluent chemical combinations found in waste systems today. NewAge epoxy pipe complies with ASTM standards

and EN-877.

Along with standard storm drainage and DWV applications epoxy coated cast iron is intended to be used in excessive corrosive conditions between 2-12pH. The epoxy coating builds upon the excellent service and long life that cast

iron already provides. Epoxy coatings outperform oxidized asphalt pipe coatings and emulsified asphalt fitting coatings.

There has been misinformation stated in our industry that epoxy coatings are volatile and hazardous in the United States, when in fact many epoxy coatings are manufactured in the United States and their emissions, VOC (Volatile Organic Compounds) and HAP

(Hazardous Air Pollutants) are regulated and are well within safe limits set forth by the EPA. This information is included on manufacturers' MSDS files which ASTM and CISPI standards mandate be made available. Epoxy coatings are low in VOC.





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 https://attendee.gototraining.com/r/367330

 2682421055746
- Scan here to log in and register using a smart phone or tablet →







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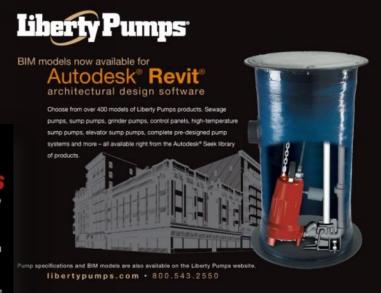
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Order a Liberty EPS and you'll get
the assurance of the complete system
arriving to the job-site with factory
matched components – pump, panel,
basin, internal piping, guide rails, floats

Duplex - all from one source.



Watch this thing grind!!



For questions, contact Laurie Pfaff @ 585-494-1817

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COMFORT DESIGNS SOLID SURFACE features

*average surface thickness: 55 mil

designer finish color options custom mold flexibility configurable accessory locations high gloss, solid surface seamless

nonporous

inhibits bacteria growth resists stains and odors

easy to clean

Class A fire retardant

renewable solid LEED credits surface

STRONG, LONG LASTING, SEAMLESS, NON-POROUS. TEN YEAR WARRANTY





















Designs Solid Surface is offered in two finishes- solids and simulated granite blends. Depth of color radiates upward from deep within. The eye sees deep into the color. The translucence is astoundingly rich.

Rich. Lustrous

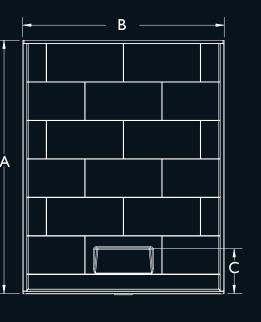
Why settle for ordinary when you can have extraordinary? Solid surface is unmatched in its strength and durability which is achieved through a material thickness that exceeds ABS plastic, gelcoat and cast acrylic by four fold. Because of the exceptional strength and durability of Comfort Designs Solid Surface, it is offered

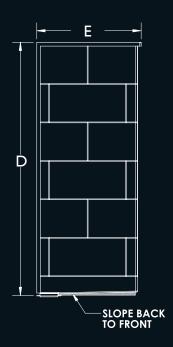
with a Ten Year limited warranty.

Durability, Strength, Renewability Solid surface is known for its durability, strength and renewability. The nonporous surface resists stains, odors and is easy to clean. Bring all the features and benefits of solid surface sought in high-end kitchens and healthcare to your project - Choose Comfort Designs Solid Surface.

Finish

Comfort





36" x 36" ID CODE COMPLIANT

3838 TR .75

A: 78" B: 38.5" C: 14" D: 78" E: 37.375" F: 38.5" G: 38.5" H: 36" <u>l:</u> 36"

48" \times 36" ID CODE COMPLIANT

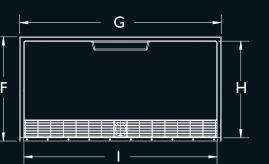
5038 TR .75

A: 79" B: 50.625" C: 14" D: 79" E: 38.5" F: 38.5" G: 50.625" H: 36" I: 48"

48" x 48" ID CODE COMPLIANT

5050 TR .75

A: 78" B: 50.25" C: "
D: 78" E: 50.25" F: 50.25"
G: 50.375" H: 48" I: 48"





60" x 30" ID CODE COMPLIANT 6232 TR .75

 A: 78"
 B: 62.625"
 C: 14"

 D: 78"
 E: 32.5"
 F: 32.5"

 G: 62.625"
 H: 30"
 I: 60"

60" x 36" ID CODE COMPLIANT<u>6238 TR .75</u>

A: 78" B: 62.625" C: 14" D: 78" E: 38.5" F: 38.5" G: 62.625" H: 30" l: 60"

COMMERCIAL specification managers

WILL RICE

VP of Sales and Marketing Southern Region

cell 731.438.0162 wrice@praxiscompanies.com

JACKSON LIGHT

North East Region cell 731.438.0535

cell 731.438.0535 jlight@praxiscompanies.com

JIM BARNEY

Regional Specification Manager Mid America Region

cell 731.607.8597 jbarney@praxiscompanies.com

TIM MCKEY

Regional Specification Manager West Region

cell 731.727.7460 tmckey@praxiscompanies.com



INTEGRAL TRENCH shower systems

OMFORTDESIGNSBATHWARE.COM a division of the praxis companies, llc customer service: 800.443.7269 | fax: 731.925.429

Integral trench shower systems

Eliminate the old center drain and the second exterior bath floor drain with an effective, patent pending solution for water retainment- the trench drain shower. The Comfort Designs trench drain shower is easy to install, offers an offset drain and reversible trench attachment allowing alternative fit in center beam clearance situations. The Comfort Designs trench drain grate is removable allowing for easier cleaning.

STANDARD features and options

TRENCH zero threshold design

corrosion resistant aluminum body

compression style drain connection

GRATE ate

stainless steel resistance weld construction

1/8" compliant space between slats
contemporary design - 21 water barrier slats
tamper proof option available

BASE pre-leveled floor reinforcement

slip resistant textured floor

sloped from back to front

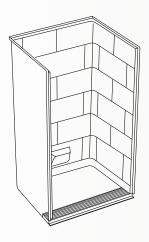
water tight tiling flange

I/16" radius at floor / wall transition

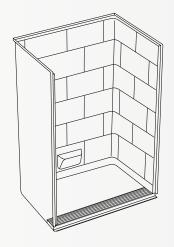
fully integrated trench shower system

COMFORT DESIGNS one source solutions

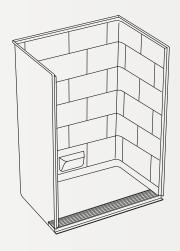
ONE PIECE TRENCH SHOWER SYSTEMS



36" CODE COMPLIANT SST3838TR.75(1P)

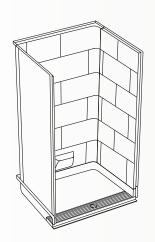


48" CODE COMPLIANT SST5038TR.75(1P) SST5050TR.75(1P)

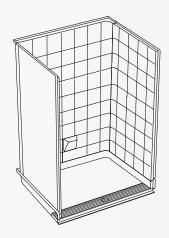


60" CODE COMPLIANT SST6232TR.75(1P) SST6238TR.75(1P)

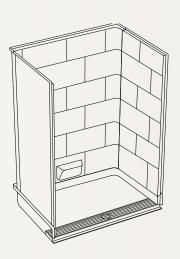
MULTI- PIECE & BASE TRENCH SHOWER SYSTEMS



36" CODE COMPLIANT XST3838TR.75(4P) SSB3838TR.75(Base)



48" CODE COMPLIANT XST5050TR.75(5P) SSB5050TR.75(Base)



60" CODE COMPLIANT XST6232TR.75(5P) SSB6232TR.75(Base) XST6238TR.75(5P) SSB6238TR.75(Base)





INTEGRAL TRENCH shower systems

COMFORTDESIGNSBATHWARE.COM a division of the praxis companies, Ilc customer service: 800.443.7269 | fax: 731.925.4290

With the industry's broadest trench offering, Comfort Designs offers nine models in two different finishes as well as two trench only options for pure tile designs. Our models will meet design needs for new construction, remodeling and wet room applications.

ONE PIECE TRENCH SHOWER SYSTEMS

The Comfort Designs one piece seamless shower system offers water tight time saving installation. General Contractors and more importantly your projects are not delayed by labor intense job built showers. The synthetic subway tile imprint has shallow faux grout lines preventing mold and mildew and the return flange option provides a professional sheetrock finish.

MULTI-PIECE TRENCH SHOWER SYSTEMS

Renovation has taken priority in many construction projects due to dense development and constrained healthcare budgets. Comfort Designs has developed a patented aluminum pin and slot assembly system for our multi-piece shower systems. With the low profile ³/₄" threshold height, our trench shower system is designed to install on slab with no depression requirement. CD has three multi-piece models to choose from. The wall system is superior in design with 1/16" radius wall to wall joints. These are the tightest in the industry and are designed to disappear in the grout lines.

BASE TRENCH SHOWER SYSTEMS

Comfort Designs recognizes the design criteria of some will remain job built. For these needs, we offer the trench plus base only option in three sizes. The water tight tile flange accepts any ceramic tile up to ½" thick. The EasyBase™ pre-leveled floor reinforcement eliminates the need to job build properly drafted grout beds. The slope to the trench drain is built into the base. All bases are sloped from the back wall to the front trench drain area.

SmartSilver Antimicrobial Protection Built-in constant protection against bacteria, molds and fungi

Reap the unique benifits of SmartSilver™ Antimicrobial Protection. SmartSilver™ Antimicrobial Protection combines the natural antimicrobial properties of silver with ground-breaking proprietary technology to produce molecule-sized silver particles permanently embedded in your Comfort Designs bathware. The result is continuous, effective, built-in protection against mold, fungus and bacteria.

SmartSilver™ Antimicrobial Protection uses pure silver particles and is manufactured in the USA. The unique antimicrobial protection is permanent. While the silver is effective against 600+ species of bacteria and fungus, there are no human health effects. SmartSilver™ Antimicrobial Protection is a Green Technology product and uses reclaimed raw materials. Available on solid surface or gelcoat products.



SmartSilver™ Antimicrobial Protection exhibits a 99.4% reduction on odor-causing bacteria within 24 hours. Silver is effective against 600+ species of bacteria and fungus.

Clean

SmartSilver™ Antimicrobial Protection is optional on all Comfort Designs gelcoat bathware. SmartSilver™ incorporates an antimicrobial Silver additive right into the shower surface to provide protection from mold, mildew, algae and fungus that could cause deterioration or staining.

Effective

SmartSilver $^{\infty}$ Technology inhibits the growth of bacteria in the shower at very low concentrations of silver.

Long Lasting

SmartSilver $^{\mathbb{N}}$ product protection is engineered to protect Praxis gelcoat bathware for the life of the product.

Environmentally Friendly Comfort Designs bathware with the option SmartSilver™ Antimicrobial Protection eliminates the need for adding environmentally harmful organic biocides.

Safe

SmartSilver™ Antimicrobial Protection is EPAapproved under FIFRA for broad applications and Oeko-Tex approved as free of harmful levels of dangerous substances.

Made in the USA

SmartSilver™ Antimicrobial Protection and Praxis Products are 100% developed and produced in the U.S.A.



ASPE RICHMOND CHAPTER NEWSLETTER



Newsletter Advertising:

- Rates based on ad size and will include the following:
 - As a paid advertiser you will have your business card in the newsletter that will have a link to your Web page if you have a Web page
 - As a paid advertiser you will have a hyperlink provided that will link to your Web page
 - Ads for the year will begin in the September issue and run through the May issue
 - Advertisers wishing to join after September's issue will be billed on a prorated basis
- All payments will be collected prior to the October issue –failure to make payments will result in the ad being pulled from further issues.

2 Page ASPE Member \$475

Full page ASPE Member \$375

½ page ASPE Member \$275

4 page ASPE Member \$175

Monthly Sponsorship Opportunities

The Richmond Chapter of ASPE continues to have successful meetings and is looking to continue improving throughout the year. The strong foundation that began in September is the springboard for an even better year than last year.

Last year the Chapter initiated the following spon-sorship opportunities that were well received:

Tabletop Presentations - Opportunity to provide a tabletop presentation of equipment or material relative to the plumbing profession for a monthly meeting. The tabletop will be set up from beginning to end of the monthly meeting.

If you are interested in any of the sponsorship opportunities listed above OR any other opportunities to sponsor please contact John Lansing

j.lansing@ha-inc.com

POSITION DESCRIPTION

Design Engineer II

Title: Plumbing Design Engineer II Posted: January 11, 2015

Reports to: Engineering Department Manager Type: Non-exempt

Department: Mechanical Engineering

Nationally and internationally recognized MEP-FP consulting firm HCYU Building Engineered Solutions (http://www.hcyu.com/) seeks skilled Plumbing Design Engineer II for immediate full time employment in our Richmond office.

General Description

The Design Engineer II is an essential team member who participates in producing the firm's work. No longer considered to be in-training, these people are assigned specific tasks on project teams and are expected to use their education, intelligence and common sense to resolve the engineering problems and tasks they are assigned.

Relationships

- Reports to Engineering Department Manager
- Project workload determined and assigned by Senior Design/Engineers
- Within team, has contact with drafters and senior design staff.
- Will work with equipment suppliers to obtain equipment information

Qualifications

- Knowledge, skills and abilities
 - Expertise in the use and application of computer aided design software such as AutoCAD and Revit.
 - o Expertise in the use of discipline specific software as well as general business applications.
 - o Ability to read and understand architectural, structural and civil plans.
 - Understanding of applicable design codes.
- Education
 - Technical or Associate Degree in plumbing or mechanical design from an accredited technical institution or college or equivalent combination of education and experience.
- Experience
 - o Three years of technical design experience in a design firm.
 - o Demonstrates the ability to perform successfully as a Design Engineer I.

Authority & Accountability

- Has authority to perform moderately complex design duties, which are checked for accuracy by others.
- Keeps Senior Design/Engineer and/or Department Manager aware of work load and requests work when needed.
- Expected to continue learning process by attending in-house seminars and continuing education
 opportunities outside the office.
- Completes projects within budget.
- Ability to understand scope and successfully complete projects within specified requirements.

Time Allocation

- Projects: 90%
- Administration: 10%
- Or as otherwise determined by the Board.

The following duties are typical of the position but are not all encompassing. Each person is expected to help out in whatever duties are required to deliver a quality product on schedule.

Essential Functions

- Makes calculations using engineering formulas and skills for plumbing design.
- Creates specialized drawings such as flow schematics, plumbing isometrics and riser diagrams.
- Select equipment based on recommendations of Senior Design/Engineer and fill out equipment schedules.
- Provide drawings for own designs and produce sketches to incorporate in drawings by drafters.
- Research design options and document findings for Project Design/Engineer.
- Provide information to Project Design/Engineer for incorporation into specifications.
- Review shop drawings.
- Research code issues and ask general questions of code officials.
- Organize and maintain project files.
- Assure that drawings and designs are in accordance with company production and design standards.
- Keep Lead Engineer informed of work load and any changes in project scope or additional services.



Additional Functions

- Reviews work performed by CAD Technicians and Designer I
- Assist in site surveys performed by more senior designers and/or engineers

Working Conditions

- Working conditions are normal for an office environment.
- Work requires willingness to work a flexible schedule.
- May require evening and weekend work.
- Located in a Class A space in downtown Richmond, our company offers excellent work environment.
- Equal Opportunity Employer (EOE).

Promotion

- May be promoted to Engineer II after meeting the qualifications for the position.
- May be promoted to Project Design Engineer, Project Engineer, or Construction Administrator after meeting the qualifications for the respective positions and consistently demonstrating expertise as Design Engineer II.

Application

- Reply with Résumé
- Applicants only: Recruiters, please do not contact this job poster.

Compensation

- · Negotiable, depending on experience and ability.
- Excellent Employee Benefits: 15 Paid Time Off days, Employer Group Health Insurance Plan, Life Insurance, and Disability.





AMERICAN SOCIETY OF PLUMBING ENGINEERS

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The undersigned certifies that all statements made herein are correct and, if elected to the Society, agrees to adhere to the Society's Bylaws and accept the Classification conferred by the Society. Upon becoming a member, the applicant will endeavor to advance the objectives of the Society and the plumbing								Pro	gram Fund* PE Research	\$ 25	\$	
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Immediate Member Benefits

The Plumbing Engineering Design Handbook: The most definitive collection of general plumbing practices in the field of plumbing engineering. The ASPE Handbook consists of forty-seven chapters divided into four volumes. New members receive one of four volumes immediately upon joining and the revised volume thereafter.

Plumbing Engineer Magazine: Members immediately begin receiving Plumbing Engineer magazine. This monthly magazine covers a wide spectrum of topics important to the profession and to daily practices in the field.

The ASPE Report: The Society's bimonthly newsletter, incorporated within the Plumbing Systems & Design magazine, keeps members abreast of Society activities and issues impacting the profession.

Publication and Education Program Discounts: All publications, education programs, and other services and products of the Society are offered at special discounted rates to ASPE members.

Collegial Interaction and Networking

Every ASPE member not only belongs to ASPE worldwide, but has the opportunity to belong to one of 62 Chapters organized throughout the United States and Canada. Chapters sponsor seminars, conduct monthly technical meetings, publish newsletters and offer special peer-to-peer and professional-to-professional interaction and networking opportunities.

Professional Growth and Development

The ASPE Biennial Convention and Engineered Plumbing Exposition (EPE) is the premier educational and professional development event for plumbing engineers and designers. The Convention features a comprehensive program of educational, technical and professional development presentations and seminars designed to enhance professional knowledge and foster awareness of new techniques. The concurrent EPE is the largest Exposition dedicated entirely to the field of plumbing engineering.

The ASPE Technical Symposium is offered in non-Convention years and provides a unique forum for the most comprehensive and intensive half-day and full-day plumbing engineering design seminars and workshops avail-able anywhere. The "hands-on" workshops provide the plumbing engineer with information about new developments in the industry and new techniques for practical implementation in the field.

Technical Seminars and Workshops sponsored by ASPE offer one- or two-day programs conducted by leading industry professionals. Each educational program focuses on a specific area of plumbing engineering.

Continuing Education Units (CEUs): ASPE offers the opportunity to earn Continuing Education Units at selected technical program sessions at the biennial Convention, the Technical Symposium and at standalone Seminars and Workshops. CEUs are nationally recognized units of achievement that may be used as evidence of increased performance capabilities and for job advancement.

The Society shall be open to anyone involved in, or having a special interest in, the design, specification or drawing of plumbing systems.

Dues: Please choose the appropriate membership classification and remit dues with this application. In the event the membership classification is changed, a corrected dues statement (or dues overpayment refund) will be sent with your notice of election.

Membership Classifications

Membership classification (Grade) will be conferred based on Article II of the ASPE Bylaws as follows:

Full Member: Eight (8) years of experience in plumbing engineering or related engineering field, a minimum of four (4) years of which must have been in a position of responsibility for the design of plumbing systems or in a position of responsibility for the design of systems and components related to, or incorporated within, plumbing engineered and designed systems. A maximum of four (4) years of experience may be waived by the Society Membership Committee for: (a) Education: one-half (1/2) year for each completed year in a curriculum related to plumbing engineering; (b) Engineering Registration: four (4) years for Professional Engineer registration in a field that includes plumbing engineering; (c) CPD certification: two (2) years. Dues: \$190.

Associate Member: Professionals engaged in plumbing design as consultants or engineers with fewer than eight years of industry experience. Dues: \$170.

Affiliate Member: Any individual involved in the production or marketing of plumbing products. Dues: \$190.

Retired Member: Any retired member with ten (10) years of continuous membership in the Society who has reached the age of sixty (60) years and is no longer active in the profession. Members in this category will not receive Plumbing Engineering Design Handbook materials and shall pay substantially reduced annual dues. Dues: \$40.

Special Member: Professionals in related fields, such as contractors, or those with a special interest in plumbing design whose professional background do not match the requirements for any of the other categories may apply for Special membership. Dues: \$190.

Governmental Member: Anyone employed by municipal, state, or federal governments for one of the following reasons:

- A. Checking and/or inspection of plumbing plans and installations;
- B. The formulation of codes, rules, requirements and regulations pertaining to the planning, designing and installation of plumbing systems, or any portion of a plumbing system;
- C. Research and development of plumbing systems design criteria. Exception: Persons employed by a government agency for the purpose of designing and/or specifying plumbing systems, who shall be eligible to be Full or Associate members, provided they have fulfilled the experience required as outlined for each respective classification. Dues: \$190.

Student Member: Any individual attending a recognized university, college, community college, vocational, or technical trade school full time or part time in a curriculum related to plumbing design. Student Members are considered to be an introductory level to the Society. Student membership shall be limited to five (5) years after which time the membership shall be upgraded to an applicable membership classification as deemed appropriate by the Society. Other member classifications shall not be permitted to downgrade to a Student Member classification. Dues: \$30.