



ARLINGTON COUNTY, VIRGINIA  
OFFICE OF THE PURCHASING AGENT  
2100 CLARENDON BOULEVARD, SUITE 500  
ARLINGTON, VA 22201  
(703) 228-3410

INVITATION TO BID (ITB) NO. 23-DPR-ITBLW-431

FOR THE PROVISION OF POOL OPERATIONS AND MAINTENANCE

ELECTRONIC SEALED BIDS WILL BE RECEIVED BY ARLINGTON COUNTY VIA [VENDOR REGISTRY](#) UNTIL 1:30 P.M. ON THE 13<sup>TH</sup> DAY OF JANUARY 2023. REGISTRATION IS NOT REQUIRED TO DOWNLOAD THE ITB. IN ORDER TO SUBMIT A RESPONSE TO THIS ITB, REGISTRATION IS REQUIRED. NO RESPONSES WILL BE ACCEPTED AFTER THE BID DUE DATE AND TIME.

**PUBLIC BID OPENING ON JANUARY 13, 2023, at 1:30 P.M.:**

Join on your computer, mobile app or room device

[Click here to join the meeting](#)

Meeting ID: 246 908 394 422

Passcode: ngixo7

[Download Teams](#) | [Join on the web](#)

**Or call in (audio only)**

[+1 347-973-6905, 289775607#](#) United States, New York City

Phone Conference ID: 289 775 607#

NOTICE: ANY BIDDER ORGANIZED AS A STOCK OR NONSTOCK CORPORATION, LIMITED LIABILITY COMPANY, BUSINESS TRUST OR LIMITED PARTNERSHIP, OR REGISTERED AS A LIMITED LIABILITY PARTNERSHIP, MUST BE AUTHORIZED TO TRANSACT BUSINESS IN THE COMMONWEALTH OF VIRGINIA BEFORE CONTRACT AWARD (REFER TO AUTHORITY TO TRANSACT BUSINESS SECTION OF THE SOLICITATION FOR FURTHER INFORMATION).

Arlington County reserves the right to reject any and all bids, cancel this solicitation, and waive any informalities as defined in the Arlington County Purchasing Resolution.

Arlington County, Virginia  
Office of the Purchasing Agent

Tomeka D. Price, VCO, VCA  
Procurement Officer  
[tprice@arlingtonva.us](mailto:tprice@arlingtonva.us)

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## **I. INFORMATION FOR BIDDERS**

### **1. QUESTIONS AND ADDENDA**

BIDDERS MUST BE REGISTERED IN VENDOR REGISTRY TO SUBMIT A QUESTION FOR THIS INVITATION TO BID (ITB).

All communications relating to this solicitation must be submitted online using Vendor Registry. For a question to be considered, the question must be entered in the Question Section of **ITB No. 23-DPR-ITBLW-431**. Prior to the award of a contract resulting from this solicitation, Bidders are prohibited from contacting any County staff other than those assigned to the Office of the Purchasing Agent.

**QUESTIONS REGARDING THE ORIGINAL SOLICITATION MUST BE SUBMITTED BY DECEMBER 30, 2022, AT 5:00 PM EASTERN TIME TO BE CONSIDERED FOR AN ADDENDUM. ALL QUESTIONS RECEIVED BY THE QUESTION DEADLINE WILL BE RESPONDED TO WITHIN VENDOR REGISTRY AND POSTED FOR ALL BIDDERS. THE SYSTEM WILL NOT ACCEPT ANY QUESTIONS AFTER THIS DATE AND TIME.**

If any questions or responses require revisions to this solicitation, such revisions will be by formal Addendum only. Bidders are cautioned not to rely on any written, electronic, or oral representations made by any County representative or other person, including the County's technical contact, that appear to change any portion of the solicitation unless the change is ratified by a written Addendum to this solicitation issued by the Office of the Purchasing Agent.

### **2. INTEREST IN MORE THAN ONE BID AND COLLUSION**

Reasonable grounds for believing that a Bidder is interested in more than one bid for a solicitation, including both as a Bidder and as a subcontractor for another Bidder, or that collusion exists between two or more Bidders, will result in rejection of all affected bids. However, an individual or entity acting only as a subcontractor may be included as a subcontractor on bids of two or more different Bidders. Bidders rejected under the above provision will also be disqualified if they respond to a re-solicitation for the same work.

### **3. TRADE SECRETS OR PROPRIETARY INFORMATION**

Trade secrets or proprietary information that a bidder or contractor submits in connection with a procurement transaction may be exempted from public disclosure under the Virginia Freedom of Information Act ("VFOIA"). However, the bidder or contractor must invoke VFOIA protection clearly and in writing on the Bid Form for County review. The Bid Form must include at least the following: (1) the data or other materials sought to be protected and (2) specific reasons why the material is confidential or proprietary. It is the bidder's sole responsibility to defend such exemptions if challenged in a court of competent jurisdiction.

### **4. DEBARMENT STATUS**

The Bidder must indicate on the Bid Form whether it or any of its principals is currently debarred, enjoined, or suspended from submitting bids to the County or to any other state or political subdivision and whether the Bidder is an agent of any person or entity that is currently debarred, enjoined or suspended from submitting bids to the County or to any other state or political subdivision. An affirmative response may be considered grounds for rejection of the bid.

### **5. AUTHORITY TO TRANSACT BUSINESS**

Any Bidder organized as a stock or nonstock corporation, limited liability company, business trust, or limited partnership or registered as a registered limited liability partnership must be authorized to transact business

in the Commonwealth of Virginia as a domestic or foreign business entity if so required by Title 13.1 or Title 50 of the Code of Virginia, or as otherwise required by law. The proper and full legal name of the entity and the identification number issued to the Bidder by the Virginia State Corporation Commission must be included on the Bid Form. Any Bidder that is not required to be authorized to transact business in the Commonwealth must include in its bid a statement describing why the Bidder is not required to be so authorized. The County may require a Bidder to provide documentation that 1) clearly identifies the complete name and legal form of the entity and 2) establishes that the entity is authorized by the State Corporation Commission to transact business in the Commonwealth of Virginia. Failure of a Bidder to provide such documentation will be a ground for rejection of the bid or cancellation of any award. For further information refer to the Commonwealth of Virginia State Corporation Commission website at: [www.scc.virginia.gov](http://www.scc.virginia.gov).

The County reserves the right to waive this requirement at any time, for any reason.

**6. ARLINGTON COUNTY BUSINESS LICENSES**

The successful Bidder must comply with the provisions of Chapter 11 (“Licenses”) of the Arlington County Code, if applicable. For information on the provisions of that Chapter and its applicability to this solicitation, contact the Arlington County Business License Division, Office of the Commissioner of the Revenue, at 2100 Clarendon Blvd., Suite 200, Arlington, Virginia, 22201, tel. (703) 228-3060, or e-mail [business@arlingtonva.us](mailto:business@arlingtonva.us).

**7. COVID-19 VACCINATION POLICY FOR CONTRACTORS**

Due to the ongoing COVID-19 pandemic, the County has taken various steps to protect the welfare, health, safety, and comfort of the workforce and public at large. As part of these steps, the County has implemented various requirements with respect to health and safety including policies with respect to social distancing, the use of face-coverings and vaccine mandates. To protect the County’s workforce and the public at large, all employees and subcontractors of the Contractor who are assigned to this Contract, should be fully vaccinated against COVID-19. Any contractor employee or subcontractor who is not fully vaccinated should follow a weekly testing protocol as established by the Contractor, unless exempt pursuant to a valid reasonable accommodation under state or federal law.

**8. VIRGINIA CONTRACTOR LICENSE**

For all work that is classified as being performed by "Contractors" as defined by the Virginia State Board for Contractors, a Class A, B, or C License is required.

If a contract for performing or managing construction, removal, repair or improvements is for \$120,000 or more, or if the total value of all such construction, removal, repair, or improvements undertaken by the bidder within any twelve-month period is \$750,000 or more, the bidder is required under Title 54.1, Chapter 11, Code of Virginia, as amended, to be licensed as a "CLASS A CONTRACTOR."

If a contract for performing or managing construction, removal, repair or improvements is for \$10,000 or more, but less than \$120,000, or if the total value of all such construction, removal, repair, or improvements undertaken by the bidder within any twelve month period is \$150,000 or more, but less than \$750,000, the bidder is required under Title 54.1, Chapter 11, Code of Virginia, as amended, to be licensed as a "CLASS B CONTRACTOR."

If a contract for performing construction, removal, repair or improvements is for \$1,000 or more, but no more than \$10,000 or if the total value of all such construction, removal, repair, or improvements undertaken by the bidder within any twelve-month period is less than \$150,000, the bidder is required under

Title 54.1, Chapter 11, Code of Virginia, as amended, to be licensed as a "CLASS C CONTRACTOR." Class C contractors shall not include electrical, plumbing, and heating, ventilation and air conditioning contractors.

For further information, contact the State Board for Contractors, 2 South Ninth Street, Richmond, VA 23219, (804) 367-8511.

**9. ESTIMATED QUANTITIES/NON-EXCLUSIVITY OF CONTRACTOR**

The contract that will result from this solicitation will not obligate the County to purchase a specific quantity of items during the Contract Term. Any quantities that are included in the contract documents are the present expectations the County has for the period of the contract, and the County is under no obligation to the estimated quantity, or any, amount as a result of having provided this estimate or of having had any normal or otherwise measurable requirement in the past. The County may require more goods than the estimated annual amount, and any such additional quantities will not give rise to any claim for compensation over the unit prices and/or rates specified in the contract.

The items covered by this contract may be or become available under other County contract(s), and the County may determine that it is in its best interest to procure the items through such other contract(s). The County does not guarantee that the selected contractor will be the exclusive provider of the goods covered by the resulting contract.

**10. BID FORM SUBMISSION**

The submitted Bid Form must be signed and fully executed. The Bid Form must be submitted electronically via Vendor Registry no later than the date and time specified in this solicitation. The Vendor Registry system will not accept bids after the close date and time. The County will not accept emailed or faxed bid.

**Bid Submittals shall include:**

- **Pages 32 - 40, The Bid Form, to include Pricing (Unit Price shall include all labor, material, and equipment)**
- **Bidder's Contract Experience List covering:**
  - **Company's qualification and contract criteria**
- **Copy of Lochinvar Pool Heater Maintenance and Service Provider Certification**
- **Copy of Pool Operator and Aquatic Facility Operator Certifications**
- **Copy of Neptune Benson Regenerative Media Filters Manufacturers Certification**

**Failure to do so shall result in the Bid being determined as non-responsive.**

The Bidder name on the electronic bid submittal shall be the same as the Contractor/Vendor name as the registration in Vendor Registry for the upload to be considered a valid bid. **ONLY ELECTRONIC SUBMISSION IS ALLOWED, NO BID SUBMITTED OTHER THAN A VENDOR REGISTRY ELECTRONIC UPLOAD WILL BE ACCEPTED. Arlington County is not responsible for late submissions, missed Addendums, or questions not submitted before the end date and time.**

Timely submission is solely the responsibility of the Bidder. The Vendor Registry System will not accept applications after the publicly posted date and time. A bid may be rejected if the Bid Form is not signed in the designated space by a person authorized to legally bind the Bidder.

Modification of or additions to the Bid Form may be cause for rejection of the bid; however, Arlington County reserves the right to decide, in its sole discretion, whether to reject such a bid as nonresponsive. As a precondition to bid acceptance, Arlington County may request the bidder to withdraw or modify any such modifications or additions, if it does not affect quality, quantity, price, or delivery.

Bids and all documents uploaded/submitted to Arlington County by a Bidder become the property of the County upon receipt.

**11. BIDDER CERTIFICATION**

Submission of a signed Bid Form is certification by the respective bidder that it is registered with the Virginia State Corporation Commission, if applicable, it is the legal entity authorized to enter into an agreement with the County, and that it will accept any award made to it as a result of the submission.

**12. ERRORS IN EXTENSION**

If the unit price and the extension price differ, the unit price will prevail.

**13. USE OF BRAND NAMES/OR EQUIVALENT BIDS**

Unless identified as a "No Equivalent" item in the solicitation, the name of a certain brand, make or manufacturer does not restrict Bidders to that specific brand, make or manufacturer. The use of the brand, make or manufacturer's identification is intended to convey the general type, style, character, and quality of the article described. When a brand name is specified and followed by the phrase "or approved equal," the brand name product may be substituted if a suitable equivalent considering quality, workmanship, economy of operation, and suitability for the intended use, is accepted by the County Purchasing Agent.

**14. EXCEPTIONS AND NONCONFORMING TERMS AND CONDITIONS**

If a bid contains exceptions to the solicitation or alternate terms and conditions that do not conform to the terms and conditions in this solicitation, the bid will be subject to rejection for nonresponsiveness. The County reserves the right to permit a Bidder to withdraw such exceptions or nonconforming terms and conditions from its bid prior to the County's determination of nonresponsiveness.

**15. DISCOUNTS**

Discounts for the County's on-time payment of invoices are allowed, but the County will not consider the discount when evaluating bid prices or awarding the contract.

**16. NEW MATERIAL**

Unless the solicitation specifically allows it, all offered goods, materials, supplies and components must be new, not used or reconditioned, and must be current production models. If the Bidder believes that used or reconditioned goods, materials, supplies or components will be in the County's best interest, the Bidder must notify the County in writing of the reason(s) at least ten business days before the bid deadline. If the Purchasing Agent authorizes the bidding of used or reconditioned goods, materials, supplies or components, such approval will be communicated to the Bidders in an Addendum to the solicitation.

**17. BIDDERS' RESPONSIBILITY TO INVESTIGATE**

Before submitting a bid, each bidder must make all investigations necessary to ascertain all conditions and requirements affecting the full performance of the contract and to verify any representations made by the County upon which the bidder will rely. No pleas of ignorance of such conditions and requirements will relieve the successful bidder from its obligation to comply in every detail with all provisions and

requirements of the contract or will be accepted as a basis for any claim for any monetary consideration on the part of the successful bidder.

**18. BIDDER’S RESPONSIBILITY FOR ERRORS OR OMISSIONS IN DOCUMENTS**

Each Bidder is responsible for having determined the accuracy and/or completeness of the solicitation documents, including electronic documents, upon which it relied in making its bid, and has an affirmative obligation to notify the Arlington County Purchasing Agent immediately upon discovery of an apparent or suspected inaccuracy or error in the solicitation documents.

**19. QUALIFICATION OF BIDDERS**

Bidders shall have five (5) years of experience in providing pool operation, testing, installation, maintenance, and repair services. Bidders shall be certified as a Pool Operator and Aquatic Facility Operator to manage chemicals except for CO2. The experience shall be work of similar size and scope.

Company Experience: Bidders shall provide a list of contracts for Pool Maintenance and Repair Services, of similar size and scope, that have been executed during the past five (5) years. Company experience shall meet all of these requirements and bidders can submit separate projects for each requirement.

- Have five (5) years’ experience installing Neptune Benson regenerative Media Filters for an indoor aquatic athletic and leisure environment.
- Have one (1) year experience maintaining Axiall and Accutab Acid Rite Feeders for an indoor aquatic and leisure environment.
- Have one (1) year experience servicing and maintaining ETS UV water treatment

Bidders’ list for Pool Maintenance and Repair Services shall include the following information to show compliance with the experience criteria:

- Contract Name
- Contract description and scope of work
- Final contract value

Staffing Qualification: All key personnel proposed for this Contract must have experience as designated key personnel in similar size and type of projects. Staffing qualification shall meet all of these requirements and bidders can submit separate personnel for each requirement. The following are considered key personnel:

- at least one (1) certified Installer with three (3) years of experience installing and maintaining Axiall and Accutab Acid Rite Feeders for an indoor aquatic and leisure environment.
- at least one (1) certified Installer with three (3) years of experience installing Neptune Benson regenerative Media Filters for an indoor aquatic and leisure environment.
- at least one (1) certified Lochinvar pool heater maintenance and service technician.
- at least one (1) technician/personnel with three (3) years’ experience servicing and maintaining UV Sanitizing equipment.

In addition, for all qualification areas, the Purchasing Agent may require a Bidder to demonstrate that it has the necessary facilities, ability and financial resources to furnish the materials or goods specified herein. A Bidder may also be required to provide past history and references.

**20. BID WITHDRAWAL PRIOR TO BID OPENING**

The Bidder may withdraw a bid from Vendor Registry before the opening date and time. It is the sole responsibility of the Bidder to remove and/or resubmit a bid before the bid deadline.

**21. WITHDRAWAL OF BID FROM CONSIDERATION AFTER BID OPENING**

After the opening of a bid, a bidder may withdraw its bid from consideration if the price of the bid is substantially lower than other bids due solely to a mistake therein, provided the bid is submitted in good faith, the mistake is a clerical mistake as opposed to a judgment mistake, and is actually due to an unintentional arithmetic error or an unintentional omission of a quantity of work, labor or material made directly in the compilation of the bid, which unintentional error or unintentional omission can be clearly shown by objective evidence drawn from inspection of original work papers, documents and materials used in the preparation of the bid sought to be withdrawn. No partial withdrawals of bids will be permitted after the time and date set for the bid opening. The bidder must give an electronic written notice to the Arlington County Purchasing Agent of a claim of right to withdraw a bid and provide all work papers, documents and other materials used in the preparation of the bid sought to be withdrawn, within two (2) business days after the date of bid opening. A bid may also be withdrawn if the County fails to award or issue a notice of intent to award the bid within ninety (90) days after the date fixed for opening bids.

**22. METHOD OF AWARD**

The County will award the contract to the lowest responsive and responsible Bidder determined by the Grand Total of Section 1. Quarterly Preventative Maintenance and Inspection and Section 2. Hourly Rate for Regular and Emergency Repair on the Bid Form.

**23. INFORMALITIES**

The County reserves the right to waive minor defects or variations from the exact requirements of the solicitation in a bid insofar as those defects or variations do not affect the price, quality, quantity, or delivery schedule of the goods being procured. If insufficient information is submitted for Arlington County to properly evaluate a bid or a bidder; the County may request such additional information after bid opening, provided that the information requested does not change the price, quality, quantity, or delivery schedule for the goods being procured.

**24. INSURANCE REQUIREMENTS**

Each bidder must be able to demonstrate proof of the specific coverage requirements and limits applicable to this solicitation. If the bidder is not able to do so, it may propose alternate insurance coverage for consideration by the County. Written requests for consideration of alternate coverage must be received by the County Purchasing Agent at least 10 working days prior to bid due date. If the County permits alternate coverage, an amendment to the Insurance Checklist will be issued prior to the time and date set for receipt of bids.

**25. LIVING WAGE CONTRACT**

If this solicitation and the resulting contract are subject to the Service Contract Wage (also called “Living Wage”) provisions covered under Article 4-103 of the Arlington County Purchasing Resolution, all employees of any contractor or subcontractor working on County-owned, County controlled property, facilities owned, or leased, and operated by a Contractor if services provided at that location are exclusive to Arlington County, or contracts for home-based client services must be paid an hourly wage no less than the Living Wage published on the County’s website. By submitting a bid, the Bidder certifies that it will comply with this provision and will ensure that its subcontractors, if any, do so as well. (Refer to draft Contract Terms and Conditions for further Living Wage details specific to this solicitation/contract.)



**26. NOTICE OF DECISION TO AWARD**

When the County has made a decision to award a contract(s), the County will post a Notice of Award or Intent to Award to [Vendor Registry](#).

**27. EXPENSES INCURRED IN PREPARING BID**

The Bidder is responsible for all expenses related to its bid.

**28. RIDER CLAUSE**

The Bidder will have the option to extend any contract resulting from this solicitation as follows:

**A. Extension to Other Jurisdictions**

The County extends the resultant contract(s), including pricing, terms and conditions, to all public entities under the jurisdiction of the United States of America and its territories.

**B. Inclusion of Governmental & Nonprofit Participants**

Eligible entities include but are not limited to private schools, parochial schools, non-public schools such as charter schools, special districts, intermediate units, non-profit agencies providing services on behalf of government, and/or state, community and/or private colleges/universities.

**C. Contract Agreement**

The contractor may be required by a using jurisdiction to enter into a separate contract containing general terms and conditions unique to that jurisdiction.

**29. NEGOTIATIONS WITH LOWEST RESPONSIVE AND RESPONSIBLE BIDDER**

If the bid by the lowest responsive and responsible bidder exceeds available funds, the County reserves the right to negotiate with the apparent low bidder to obtain an acceptable price. Negotiations with the apparent low bidder may involve discussions of reduction of quantity, quality, or other cost saving mechanisms. The final negotiated contract shall be subject to final approval of the County, in its sole discretion.

**30. ELECTRONIC SIGNATURE**

If awarded, the Bidder may be required to accept an agreement and sign electronically through the County's e-signature solution, DocuSign.

## II. SCOPE OF SERVICES

The Contractor shall furnish all labor, supervision, equipment, pool chemicals, tools, parts, materials, and transportation necessary to perform preventative maintenance and repair services on the County's indoor swimming pools, spa, and pool equipment. Ongoing preventative maintenance service shall include, but not be limited to, mechanical upkeep, quarterly inspections, operation, circulation, disinfection, water clarity, filters, pool heating systems, pumps, chemical treatment, testing, and ordering.

In addition, the Contractor shall distribute piping, pumps, heaters, pool lighting, pool drains, controls, filters, and backwash devices and provide any deficiencies to the County Project Officer. The Contractor shall also provide on-call emergency and non-emergency repair services.

The Contractor shall maintain all pool equipment to meet the [Arlington County Water Recreation Facilities Ordinance](#) and to Manufacturers Specifications for the equipment listed in Exhibit C.

The Contractor shall provide all necessary pool chemicals, including the Safety Data Sheets (SDS), for all chemicals used for this contract. In addition, prior to performing any pool treatment to balance pool chemistry, the Contractor shall provide dosing limits of each chemical used. The Contractor shall check in with the Facility Maintenance staff or Managers upon each visit to the facility.

### A. **Quarterly Preventative Pool Maintenance and Inspection**

The Contractor shall:

1. Complete quarterly maintenance and inspection visits for each pool in one business day.
2. Perform the maintenance between the hours of 8 a.m. and 5 p.m., Monday through Friday.
3. Attend quarterly meetings scheduled by the Project Officer to discuss the status of the pools.
4. Complete and provide a written report to the Project Officer and/or the Long Bridge Pool Maintenance Technician via email after each inspection that includes:
  - a. Chemical levels
  - b. Services performed
  - c. Description of parts installed and reason for replacement
  - d. The total hours per visit
  - e. Quarterly report of equipment condition with recommendations for work/equipment needs
5. Complete and provide a Swimming Pool Chemical Testing Log per Arlington County Water Facilities Ordinance via email to the Long Bridge Pool Maintenance Technician ([rfitch@arlingtonva.us](mailto:rfitch@arlingtonva.us) and [nmarriaza@arlingtonva.us](mailto:nmarriaza@arlingtonva.us)).
6. Perform tests for chlorine, pH balance, cyanuric acid, alkalinity, calcium hardness, and total dissolved solids per the manufacturer standards.
7. Calibrate the chemical controller as needed per the manufacturer's specifications.
8. Check Axiall Water Treatment products (AccuTab and Acidrite) feeder for proper operation per manufacturer's specifications.
9. Check filter media in Neptune Benson solid filter.
10. Check the Sparger system and ensure proper operation.
11. Check evacuation system airflow and ensure proper operation.
12. Evaluate all play equipment/fountains and water slides for condition, safety, and usability. When done, the Contractor shall inform the Pool Maintenance Technician or a Facility Manager on-site if the equipment needs repair, replacement, or is in good working condition. The Contractor shall also follow-up in an email to the County with a quarterly report tracking all equipment.

**B. Non-emergency Repairs, Maintenance, and Inspection**

Within twenty-four (24) hours after receipt of the County’s request, the Contractor shall assess and diagnose the problem which may include visiting the facility. Within forty-eight (48) hours, the Contractor shall submit a written cost proposal with a “not-to-exceed” amount based on the hourly rates to include time and materials necessary to complete the repair work. The Cost Proposal shall include all travel, labor, disposal fees, profit and overhead, and all other expenses as may be necessary to complete the necessary work. Travel time to Arlington pool sites is not considered part of the workday. Work shall not commence on the repair until the Contractor receives written authorization from the County.

The Contractor will be expected to do annual pool maintenance to address possible deficiencies with pool equipment, provide a broader inspection, and facilitate cleaning or service that necessitates pool closure. DPR will close the pool during this time for approximately ten (10) business days, most likely scheduled in August or September.

The Contractor shall respond to all non-emergency corrective maintenance repairs within twenty-four hours of receiving notification from the County. Response to a non-emergency repair service call shall mean the time of arrival at the work site with the proper tools, equipment, and materials to perform the work. The Contractor shall advise the Long Bridge Maintenance Manager at (571-274-6979 ([rfich@arlingtonva.us](mailto:rfich@arlingtonva.us))) when repairs are scheduled and confirm the completion of the repairs. Non-emergency repair services are between the 8:00 am and 5:00 pm eastern standard time, Monday through Friday. Non-regular work hours will be after regular work hours, weekends, and County holidays.

Within twenty-four (24) hours upon repair completion, the County will inspect the repair work. The Contractor shall remedy all deficiencies discovered after the County’s initial inspection one (1) business days following the discovery of the deficiencies, at no additional cost to the County. The Contractor’s failure to correct the deficiency after one (1) business days following the inspection by the County, may cause delay in payment to the Contractor.

**C. Emergency Repairs, Maintenance, and Inspection**

Upon a phone call request from the County, the Contractor shall respond to all emergency repairs within two (2) hours of receiving notification from the County. Response to an emergency repair service call shall mean the time of arrival at the work site with the proper tools, equipment, qualified personnel, and materials to perform the work. The emergency repair service request will fall into three categories:

- Regular Work Hours Emergency: This occurs between 8:00 am to 5:00 pm, Monday through Friday. All emergency services performed within this period shall be billed at the regular labor rates.
- Weekday After Hours Emergency Work: This occurs between 5:01 pm and 7:59 am, Monday through Friday.
- Weekend and Holiday Emergency Work: This occurs between 5:01 pm Friday to 7:59 a.m. Monday, or on County approved holidays.

Failure to meet the response time requirement may result in contract termination.

Upon assessing the equipment needing emergency repair, the Contractor shall provide an estimated cost and obtain prior written authorization from the County to proceed with the repair.

**D. Contractor's Personnel**

The Contractor shall provide:

1. At least one (1) certified Lochinvar pool heater maintenance and service provider technician.
2. At least one (1) certified Installer with three (3) years of experience installing a Neptune Benson regenerative Media Filters for an indoor aquatic and leisure environment.
3. At least one (1) certified Installer with three (3) years of experience installing and maintaining Axiall and Accutab Acid Rite Feeders for an indoor aquatic and leisure environment.
4. At least one (1) technician/personnel with three (3) years' experience servicing and maintaining UV Sanitizing equipment.

**E. Equipment, Material and Workmanship:**

1. **No substitutions for all Defender by Neptune Benson filters (No equivalent), PPG ACIDRITE and ACCUTAB Chemical feeders (No equivalent), and ETS UV sanitize (No equivalent) equipment and parts used.**
2. All parts furnished under this contract shall be new and genuine manufacturer's recommended or authorized replacement parts. Use of manufacturer rebuilt or used parts may be authorized by the County on a case-by case basis, provided each part is warranted for the same period and under the same conditions as the new part.
3. Contractor shall have available in stock or be able to source repair parts within two (2) weeks to prevent unnecessary downtime of the equipment. A list of equipment is provided in Exhibit C.
4. All parts and materials provided under this contract shall be provided at the Contractor's actual list price minus discount as proposed by Contractor in the pricing section of the cost proposal.

FOLLOWING THIS PAGE IS THE AGREEMENT THAT WILL BE ENTERED INTO BETWEEN THE COUNTY AND THE CONTRACTOR. THE AGREEMENT IS PART OF THIS SOLICITATION. THIS AGREEMENT IS SUBJECT TO REVIEW BY THE COUNTY ATTORNEY PRIOR TO BEING SUBMITTED FOR CONTRACTOR'S SIGNATURE.

### III. AGREEMENT AND CONTRACT TERMS AND CONDITIONS



ARLINGTON COUNTY, VIRGINIA  
OFFICE OF THE PURCHASING AGENT  
SUITE 500, 2100 CLARENDON BOULEVARD  
ARLINGTON, VA 22201

#### AGREEMENT NO. 23-DPR-ITBLW-431

THIS AGREEMENT is made, on \_\_\_\_\_, between Contractor's name,  
Contractor's address ("Contractor") a name of state type of entity  
authorized to do business in the Commonwealth of Virginia, and the County Board of Arlington County,  
Virginia ("County"). The County and the Contractor, for the consideration hereinafter specified, agree as  
follows:

#### **1. CONTRACT DOCUMENTS**

The "Contract Documents" consist of:

- Agreement No. 23-DPR-ITBLW-431, and all modifications properly incorporated into the Agreement
- Exhibit A – Scope of Work
- Exhibit B – Contractor's Bid Pricing
- Exhibit C – Equipment List
- Exhibit D – Living Wage Forms
- Exhibit E – Living Wage Quarterly Compliance Report
- Exhibit F – Contractor Performance Evaluation Form
- Arlington County's Invitation to Bid No. 23-DPR-ITBLW-431, is hereby incorporated by reference

The Contract Documents set forth the entire agreement between the County and the Contractor. The County and the Contractor agree that no representative or agent of either party has made any representation or promise with respect to the parties' agreement that is not contained in the Contract Documents. The Contract Documents may be referred to below as the "Contract" or the "Agreement".

#### **2. SCOPE OF WORK**

The Contractor agrees to perform the services described in the Contract Documents (the "Work"), more particularly described in the Scope of Services included with the Invitation to Bid. The primary purpose of the Work is to provide ongoing pool maintenance, inspection, and repair services. The Contract Documents set forth the minimum work estimated by the County and the Contractor to be necessary to complete the Work. It will be the Contractor's responsibility, at its sole cost, to provide the services set forth in the Contract Documents and sufficient services to fulfill the purposes of the Work. Nothing in the Contract Documents limits the Contractor's responsibility to manage the details and execution of the Work.

**3. PROJECT OFFICER**

The performance of the Contractor is subject to the review and approval of the County Project Officer, who will be appointed by the Director of the Arlington County department or agency requesting the Work under this Contract.

**4. CONTRACT TERM**

Time is of the essence. The Work will commence on \_\_\_\_\_ and must be completed no later than \_\_\_\_\_ 20 \_\_\_\_ ("Initial Contract Term"), subject to any modifications provided in the Contract Documents. Upon satisfactory performance by the Contractor the County may, through issuance of a bilateral Notice of Renewal, authorize continuation of the Agreement under the same contract prices for not more than four (4) additional 12-month periods, from \_\_\_\_\_, 20\_\_\_\_ to \_\_\_\_\_, 20\_\_\_\_ (each a "Subsequent Contract Term"). The Initial Contract Term and any Subsequent Contract Term(s) are together the "Contract Term".

**5. CONTRACT PRICING**

Unless otherwise provided in the Contract Documents, the Contractor shall provide the goods and services covered in the County's Invitation to Bid No. 23-DPR-ITBLW-431 at the prices provided in the bid of the Contractor.

**6. CONTRACT PRICING WITH OPTIONAL PRICE ADJUSTMENTS**

The Contract Amount/unit price(s) will remain firm until \_\_\_\_\_ ("Price Adjustment Date"). To request a price adjustment, the Contractor or the County must submit a written request to the other party not less than 90 days before the Price Adjustment Date. Adjustments to the Contract Amount/unit price(s) will not exceed the percentage of change in the U.S. Department of Labor Consumer Price Index, All Items, Unadjusted, Urban Areas ("CPI-U") for the 12 months of statistics available at the time of the Contract's renewal.

Any Contract Amount/unit price(s) that result from this provision will become effective the day after the Price Adjustment Date and will be binding for 12 months. The new Price Adjustment Date will be 12 months after the price adjustment.

If the Contractor and the County have not agreed on a requested adjustment by 30 days before the Price Adjustment Date, the County may not renew the Contract, whether or not the County has previously elected to renew the Contract's term.

**7. PAYMENT TERMS**

The Contractor must submit invoices to the County's Project Officer, who will either approve the invoice or require corrections. The County will pay the Contractor within 45 days after receipt of an invoice for completed work that is reasonable and allocable to the Contract and that has been performed to the satisfaction of the Project Officer. All payments will be made from the County to the Contractor via ACH. The number of the County Purchase Order pursuant to which goods or services have been delivered or performed must appear on all invoices.

**8. PAYMENT OF SUBCONTRACTORS**

The Contractor is obligated to take one of the two following actions within seven days after receipt of payment by the County for work performed by any subcontractor under this Contract:

- a. Pay the subcontractor for the proportionate share of the total payment received from the County attributable to the work performed by the subcontractor under this Contract; or
- b. Notify the County and the subcontractor, in writing, of the Contractor's intention to withhold all or a part of the subcontractor's payment, with the reason for nonpayment.

The Contractor is obligated to pay interest to the subcontractor on all amounts owed by the Contractor to the subcontractor that remain unpaid after seven days following receipt by the Contractor of payment from the County for work performed by the subcontractor under this Contract, except for amounts withheld as allowed in subsection b., above. Unless otherwise provided under the terms of this Contract, interest will accrue at the rate of 1% per month.

The Contractor must include in each of its subcontracts, if any are permitted, a provision requiring each subcontractor to include or otherwise be subject to the same payment and interest requirements with respect to each lower-tier subcontractor.

The Contractor's obligation to pay an interest charge to a subcontractor pursuant to this section may not be construed to be an obligation of the County. A Contract modification may not be made for the purpose of providing reimbursement for such interest charge. A cost reimbursement claim may not include any amount for reimbursement for such interest charge.

**9. NO WAIVER OF RIGHTS**

The County's approval or acceptance of or payment for any goods or services under this Contract will not waive any rights or causes of action arising out of the Contract.

**10. NON-APPROPRIATION**

All payments by the County to the Contractor pursuant to this Contract are subject to the availability of an annual appropriation for this purpose by the County Board of Arlington County, Virginia ("Board"). In the event that the Board does not appropriate funds for the goods or services provided under this Contract, the County will terminate the Contract, without termination charge or other liability to the County, on the last day of the fiscal year or when the previous appropriation has been spent, whichever event occurs first.

**11. ESTIMATED QUANTITIES/NON-EXCLUSIVITY OF CONTRACTOR**

This Contract does not obligate the County to purchase a specific quantity of items or services during the Contract Term. Any quantities that are included in the Contract Documents are the present expectations of the County for the period of the Contract; and the County is under no obligation to buy that or any amount as a result of having provided this estimate or of having had any normal or otherwise measurable requirement in the past. The County may require more goods and/or services than the estimated annual quantities, and any such additional quantities will not give rise to any claim for compensation other than at the unit prices and/or rates in the Contract.

The County does not guarantee that the Contractor will be the exclusive provider of the goods or services covered by this Contract. The items or services covered by this Contract may be or become available under other County contract(s), and the County may determine that it is in its best interest to procure the items or services through those contract(s).

**12. COUNTY PURCHASE ORDER REQUIREMENT**

County purchases are authorized only if the County issues a Purchase Order in advance of the transaction, indicating that the ordering County agency has sufficient funds available to pay for the purchase. If the Contractor provides goods or services without a signed County Purchase Order, it does so at its own risk and expense. The County will not be liable for payment for any purchases made by its employees that are not authorized by the County Purchasing Agent.

**13. DELIVERY**

All goods are purchased F.O.B. destination in Arlington County as described in the specifications. Transportation, handling, and all related charges are included in the unit prices or discounts that the Contractor submitted with its bid. The Contractor should have products shipped directly to the facility located at 333 Long Bridge Drive, Arlington VA 22202.

**14. WARRANTY**

The Contractor guarantees against and will correct at its expense factory defects that occur during the manufacturer's standard warranty period. The Contractor will provide all manufacturers' warranties at the time of delivery.

All work is guaranteed by the Contractor against defects resulting from the use of inferior or faulty materials or workmanship for one (1) year from the date of final acceptance of the work by the County. No date other than the date of final acceptance shall govern the effective date of the Guaranty, unless that date is agreed upon by the County and the Contractor in advance and in a signed writing.

**15. INSPECTION, ACCEPTANCE, TITLE, AND RISK OF LOSS**

The County will inspect all materials at the delivery location within ten days of delivery and may test the goods at its sees fit before accepting them.

The Contractor warrants that it has good title to and will require all subcontractors to warrant that they have good title to, all delivered goods.

The Contractor bears title and risk of loss or damage to all delivered goods until the County accepts them.

Neither the Contractor nor any subcontractor may retain any interest in the goods after the County accepts them.

**16. DAMAGE TO PROPERTY**

Any damage, as determined by the Project Officer, to the real or personal property, whether owned by the County or others, resulting from the Work performed under this Contract shall be timely repaired or replaced to the County's satisfaction at the Contractor's expense. The County will perform the repairs unless the County agrees that such repairs will be made by the Contractor. Any such Contractor repairs will be made within ten (10) days of the date of damage to the satisfaction of the County. All costs of the repair performed by the County shall be deducted from the Contractor's final payment.

**17. CLEANING UP**

The Contractor shall remove, as frequently as necessary, all refuse, rubbish, scrap materials and debris from any and all work sites to the extent that the trash is the result of the Contractor's operations, to the end that any and all work sites shall present a neat, orderly, and workmanlike appearance at all times. At completion of the Work, but before final acceptance, the Contractor shall remove all surplus material,



falsework, temporary structures including foundations thereof, and debris of every nature resulting from the Contractor's operations or resulting from any activity on the site related to the Contractor's operations and put the site in a neat, orderly condition; if the Contractor fails to do so, the County shall have the right to remove the surplus material, falsework, temporary structures including foundations thereof, and debris, put the site in a neat, orderly condition, and charge the cost to the Contractor. The County shall be entitled to offset such cost against any sums owed by the County to the Contractor under this Contract.

**18. DISPOSAL OF PACKING MATERIALS, TRASH AND DEBRIS**

The Contractor must, at its expense and without using any County waste containers, immediately remove and legally dispose of off-site all packing materials, trash and debris ("Waste"). Otherwise, the County will contract a third party to dispose of the Waste and will deduct the expense from the final payment to the Contractor.

The County will deduct from the final payment the expense to repair any damage to County-owned or controlled property that the Contractor or its agents cause, unless the County agrees that the Contractor can make the repairs, in which case the Contractor must make the repairs at its expense within ten days of the damage and to the satisfaction of the County.

**19. OSHA REQUIREMENTS**

The Contractor certifies that all material supplied or used under this Contract meets all federal and state Occupational Safety and Health Administration ("OSHA") requirements. If the material does not meet the OSHA requirements, the Contractor will bear all costs necessary to bring the material into compliance.

**20. HAZARDOUS MATERIALS**

The Contractor must comply with all federal, state, and local laws governing the storage, transportation, and use of toxic and hazardous materials. The County is subject to the Hazard Communication Standard, 29 CFR § 1910.1200 ("Standard"). The Contractor will provide, no later than delivery or first use of the materials, Material Safety Data Sheets ("MSDS") for all hazardous materials supplied to the County or used in the performance of the Work. The Contractor will also ensure that all shipping and internal containers bear labels that meets the requirements of the Standard. The County may refuse shipments of hazardous materials that are not appropriately labeled or for which the Contractor has not timely provided MSDS. The Contractor must pay any expenses that it or the County incurs as a result of the County's refusal of goods under this section or rejection of MSDS.

**21. HAZARDOUS WASTE GENERATOR/HAZARDOUS WASTE DISPOSAL**

The County and the Contractor shall be listed as co-generators. The Contractor assumes all duties pertaining to the waste generator, including signing the Waste Shipment Record ("WSR") and manifest. The Contractor shall supply the County Project Officer with the executed original Owner's Copy of the WSR, as required by applicable regulatory agencies within thirty-five (35) days from the time the waste was accepted by the initial waste transporter, and prior to request for final payment. A separate WSR shall be submitted for each shipment to the disposal site.

Delayed Waste Shipment Records: The Contractor shall report in writing to the EPA Region III office within forty-five (45) days if an executed copy of the WSR is not received from the operator of the disposal site. The report to the EPA regional office shall include a copy of the original WSR and a cover letter signed by the Contractor stating the efforts taken to locate the hazardous waste shipment and the results of those efforts.

Temporary Hazardous Waste Storage Prohibited: The Contractor shall not temporarily store hazardous waste unless pre-approved by the County. If so approved, hazardous waste stored off-site in a temporary facility shall be monitored and records shall be kept on the number of containers, size, and weight. The Contractor shall inform the County when the hazardous waste is to be transported to the final disposal site. The County has the right to inspect the temporary site at any time. The Contractor shall submit copies of all relevant manifests, WSRs, and landfill receipts to the County Project Officer prior to the request for final payment. All paperwork shall be signed by the Contractor and disposal site operator as required.

## **22. SAFETY**

The Contractor shall comply with, and ensure that the Contractor's employees and subcontractors comply with, all current applicable local, state and federal policies, regulations and standards relating to safety and health, including, by way of illustration and not limitation, the standards of the Virginia Occupational Safety and Health program of the Department of Labor and Industry for General Industry and for the Construction Industry, the Federal Environmental Protection Agency standards and the applicable standards of the Virginia Department of Environmental Quality.

The Contractor shall provide, or cause to be provided, all technical expertise, qualified personnel, equipment, tools and material to safely accomplish the work specified to be performed by the Contractor and subcontractor(s).

The Contractor shall identify to the County Project Officer at least one on-site person who is the Contractor's competent, qualified, and authorized person on the worksite and who is, by training or experience, familiar with and trained in policies, regulations and standards applicable to the work being performed. The competent, qualified and authorized person must be capable of identifying existing and predictable hazards in the surroundings or working conditions which are unsanitary, hazardous or dangerous to employees, shall be capable of ensuring that applicable safety regulations are complied with, and shall have the authority and responsibility to take prompt corrective measures, which may include removal of the Contractor's personnel from the work site.

The Contractor shall provide to the County, at the County's request, a copy of the Contractor's written safety policies and safety procedures applicable to the scope of work. Failure to provide this information within seven (7) days of the County's request may result in cancellation of the contract.

## **23. COVID-19 VACCINATION POLICY FOR CONTRACTORS**

Due to the ongoing COVID-19 pandemic, the County has taken various steps to protect the welfare, health, safety, and comfort of the workforce and public at large. As part of these steps, the County has implemented various requirements with respect to health and safety including policies with respect to social distancing, the use of face-coverings and vaccine mandates. To protect the County's workforce and the public at large, all employees and subcontractors of the Contractor who are assigned to this Contract, should be fully vaccinated against COVID-19. Any contractor employee or subcontractor who is not fully vaccinated should be following a weekly testing protocol as established by the Contractor, unless exempt pursuant to a valid reasonable accommodation under state or federal law.

## **24. FAILURE TO DELIVER**

If the Contractor fails to deliver goods or services in accordance with the Contract terms and conditions, the County, after notice to the Contractor, may procure the goods or services from other sources and hold the Contractor responsible for any resulting additional purchase and administrative costs. The County shall be entitled to offset such costs against any sums owed by the County to the Contractor. However, if

public necessity requires the use of nonconforming materials or supplies, they may be accepted at a reduction in price to be determined solely by the County.

**25. UNSATISFACTORY WORK**

The Contractor must within 15 days of written notice from the County remove and replace, at its expense, any goods that the County rejects as unsatisfactory. Otherwise, the County may choose to remove or replace the rejected goods at the Contractor's expense. The County may offset the costs against any amounts that it owes the Contractor. The County may also decide not to remove or replace the unsatisfactory goods and instead to adjust the Contract Amount to account for the unsatisfactory performance. This paragraph applies throughout the Contract Term and any warranty or guarantee period.

**26. PROJECT STAFF**

The County has the right to reasonably reject staff or subcontractors whom the Contractor assigns to the Project. The Contractor must then provide replacement staff or subcontractors satisfactory to the County in a timely manner and at no additional cost to the County. The day-to-day supervision and control of the Contractor's employees and its subcontractors is the sole responsibility of the Contractor.

**27. SUPERVISION BY CONTRACTOR**

The Contractor shall at all times enforce strict discipline and good order among the employees and subcontractors performing under this Contract and shall not employ on the Work any person not reasonably proficient in the work assigned.

**28. BACKGROUND CHECK**

The Contractor shall be responsible for completing a criminal background check for all employees and/or subcontractors whom the Contractor assigns to work on this Contract. Upon request from the County, the Contractor should provide the background check to the Project Officer. Any findings may result in the immediate removal of the individual from the contract.

**29. EMPLOYMENT DISCRIMINATION BY CONTRACTOR PROHIBITED**

During the performance of its work pursuant to this Contract:

- A. The Contractor will not discriminate against any employee or applicant for employment because of race, religion, color, sex, sexual orientation, gender identity, national origin, age, disability or on any other basis prohibited by state law. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the provisions of this nondiscrimination clause.
- B. Notices, advertisements and solicitations placed in accordance with federal law, rule or regulation will be deemed sufficient for meeting the requirements of this section.
- C. The Contractor will state in all solicitations or advertisements for employees that it places or causes to be placed that such Contractor is an Equal Opportunity Employer.
- D. The Contractor will comply with the provisions of the Americans with Disabilities Act of 1990 ("ADA"), which prohibits discrimination against individuals with disabilities in employment and mandates that disabled individuals be provided access to publicly and privately provided services and activities.

- E. The Contractor must include the provisions of the foregoing paragraphs in every subcontract or purchase order of more than \$10,000.00 relating to this Contract so that the provisions will be binding upon each subcontractor or vendor.

**30. EMPLOYMENT OF UNAUTHORIZED ALIENS PROHIBITED**

In accordance with §2.2-4311.1 of the Code of Virginia, as amended, the Contractor must not during the performance of this Contract knowingly employ an unauthorized alien, as that term is defined in the federal Immigration Reform and Control Act of 1986.

**31. DRUG-FREE WORKPLACE TO BE MAINTAINED BY CONTRACTOR**

During the performance of this Contract, the Contractor must: (i) provide a drug-free workplace for its employees; (ii) post in conspicuous places, available to employees and applicants for employment, a statement notifying employees that the unlawful manufacture, sale, distribution, dispensation, possession, or use of a controlled substance or marijuana is prohibited in the Contractor's workplace and specifying the actions that will be taken against employees for violating such prohibition; (iii) state in all solicitations or advertisements for employees placed by or on behalf of the Contractor that the Contractor maintains a drug-free workplace; and (iv) include the provisions of the foregoing clauses in every subcontract or purchase order of more than \$10,000.00 relating to this Contract so that the provisions will be binding upon each subcontractor or vendor.

For the purposes of this section, "workplace" means the site(s) for the performance of the work required by this Contract.

**32. \*SEXUAL HARASSMENT POLICY**

If the Contractor employs more than five employees, the Contractor shall (i) provide annual training on the Contractor's sexual harassment policy to all supervisors and employees providing services in the Commonwealth, except such supervisors or employees that are required to complete sexual harassment training provided by the Department of Human Resource Management, and (ii) post the Contractor's sexual harassment policy in (a) a conspicuous public place in each building located in the Commonwealth that the Contractor owns or leases for business purposes and (b) the Contractor's employee handbook.

**33. TERMINATION**

The County may terminate this Contract at any time as follows: (1) for cause, if, as determined by the County, the Contractor is in breach or default or has failed to perform the Work satisfactorily; or (2) for the convenience of the County.

Upon receipt of a notice of termination, the Contractor must not place any further orders or subcontracts for materials, services or facilities; must terminate all vendors and subcontracts, except as are necessary for the completion of any portion of the Work that the County did not terminate; and must immediately deliver all documents related to the terminated Work to the County.

Any purchases that the Contractor makes after the notice of termination will be the sole responsibility of the Contractor, unless the County has approved the purchases in writing as necessary for completion of any portion of the Work that the County did not terminate.

If any court of competent jurisdiction finds a termination for cause by the County to be improper, then the termination will be deemed a termination for convenience.

A. TERMINATION FOR CAUSE, INCLUDING BREACH AND DEFAULT; CURE

1. Termination for Unsatisfactory Performance. If the County determines that the Contractor has failed to perform satisfactorily, then the County will give the Contractor written notice of such failure(s) and the opportunity to cure them within 15 days or any other period specified by the County (“Cure Period”). If the Contractor fails to cure within the Cure Period, the County may terminate the Contract for failure to provide satisfactory performance by providing written notice with a termination date. The Contractor must submit any request for termination costs, with all supporting documentation, to the County Project Officer within 30 days after the expiration of the Cure Period. The County may accept or reject the request for termination costs, in whole or in part, and may notify the Contractor of its decision within a reasonable time.

In the event of termination by the County for failure to perform satisfactorily, the Contractor must continue to provide its services as previously scheduled through the termination date, and the County must continue to pay all fees and charges incurred through the termination date.

2. Termination for Breach or Default. If the County terminates the Contract for default or breach of any Contract provision or condition, then the termination will be immediate after notice of termination to the Contractor (unless the County provides for an opportunity to cure), and the Contractor will not be permitted to seek termination costs.

Upon any termination pursuant to this section, the Contractor will be liable to the County for costs that the County must expend to complete the Work, including costs resulting from any related delays and from unsatisfactory or non-compliant work performed by the Contractor or its subcontractors. The County will deduct such costs from any amount due to the Contractor; or if the County does not owe the Contractor, the Contractor must promptly pay the costs within 15 days of a demand by the County. This section does not limit the County’s recovery of any other damages to which it is entitled by law.

Except as otherwise directed by the County, the Contractor must stop work on the date of receipt the notice of the termination.

B. TERMINATION FOR THE CONVENIENCE OF THE COUNTY

The County may terminate this Contract in whole or in part whenever the Purchasing Agent determines that termination is in the County's best interest. The County will give the Contractor at least 15 days’ notice in writing. The notice must specify the extent to which the Contract is terminated and the effective termination date. The Contractor will be entitled to termination costs plus any other reasonable amounts that the parties might negotiate; but no amount will be allowed for anticipatory profits.

Except as otherwise directed by the County, the Contractor must stop work on the date of receipt of the notice of the termination.

**34. INDEMNIFICATION**

The Contractor covenants for itself, its employees and its subcontractors to save, defend, hold harmless and indemnify the County and all of its elected and appointed officials, officers, current and former employees, agents, departments, agencies, boards and commissions (collectively the “County Indemnitees”) from and against any and all claims made by third parties for any and all losses, damages,

injuries, fines, penalties, costs (including court costs and attorneys' fees), charges, liability, demands or exposure resulting from, arising out of or in any way connected with the Contractor's acts or omissions, including the acts or omissions of its employees and/or subcontractors, in performance or nonperformance of the Contract. This duty to save, defend, hold harmless and indemnify will survive the termination of this Contract. If the Contractor fails or refuses to fulfill its obligations contained in this section, the Contractor must reimburse the County for any and all resulting payments and expenses, including reasonable attorneys' fees. The Contractor must pay such expenses upon demand by the County, and failure to do so may result in the County withholding such amounts from any payments to the Contractor under this Contract.

**35. INTELLECTUAL PROPERTY INDEMNIFICATION**

The Contractor warrants and guarantees that in providing services under this Contract neither the Contractor nor any subcontractor is infringing on the intellectual property rights (including, but not limited to, copyright, patent, mask and trademark) of third parties.

If the Contractor or any of its employees or subcontractors uses any design, device, work or material that is covered by patent or copyright, it is understood that the Contract Amount includes all royalties, licensing fees, and any other costs arising from such use in connection with the Work under this Contract.

The Contractor covenants for itself, its employees and its subcontractors to save, defend, hold harmless, and indemnify the County Indemnitees, as defined above, from and against any and all claims, losses, damages, injuries, fines, penalties, costs (including court costs and attorneys' fees), charges, liability or exposure for infringement of or on account of any trademark, copyright, patented or unpatented invention, process or article manufactured or used in the performance of this Contract. This duty to save, defend, hold harmless and indemnify will survive the termination of this Contract. If the Contractor fails or refuses to fulfill its obligations contained in this section, the Contractor must reimburse the County for any and all resulting payments and expenses, including reasonable attorneys' fees. The Contractor must pay such expenses upon demand by the County, and failure to do so may result in the County withholding such amounts from any payments to the Contractor under this Contract.

**36. OWNERSHIP AND RETURN OF RECORDS**

This Contract does not confer on the Contractor any ownership rights or rights to use or disclose the County's data or inputs.

All drawings, specifications, blueprints, data, information, findings, memoranda, correspondence, documents or records of any type, whether written, oral or electronic, and all documents generated by the Contractor or its subcontractors as a result of this Contract (collectively "Records") are the exclusive property of the County and must be provided or returned to the County upon completion, termination, or cancellation of this Contract. The Contractor will not use or willingly cause or allow such materials to be used for any purpose other than performance of this Contract without the written consent of the County.

The Records are confidential, and the Contractor will neither release the Records nor share their contents. The Contractor will refer all inquiries regarding the status of any Record to the Project Officer or to his or her designee. At the County's request, the Contractor will deliver all Records, including hard copies of electronic records, to the Project Officer and will destroy all electronic Records.

The Contractor agrees to include the provisions of this section as part of any contract or agreement related to this Contract into which it enters with subcontractors or other third parties. The provisions of this section will survive any termination or cancellation of this Contract.

**37. CONFIDENTIAL INFORMATION**

The Contractor and its employees, agents and subcontractors will hold as confidential all County information obtained under this Contract. Confidential information includes, but is not limited to, nonpublic personal information; personal health information (PHI); social security numbers; addresses; dates of birth; other contact information or medical information about a person; and information pertaining to products, operations, systems, customers, prospective customers, techniques, intentions, processes, plans and expertise. The Contractor must take reasonable measures to ensure that all of its employees, agents and subcontractors are informed of and abide by this requirement.

**38. ETHICS IN PUBLIC CONTRACTING**

This Contract incorporates by reference Article 9 of the Arlington County Purchasing Resolution, as well as all state and federal laws related to ethics, conflicts of interest or bribery, including the State and Local Government Conflict of Interests Act (Code of Virginia § 2.2-3100 et seq.), the Virginia Governmental Frauds Act (Code of Virginia § 18.2-498.1 et seq.) and Articles 2 and 3 of Chapter 10 of Title 18.2 of the Code of Virginia, as amended (§ 18.2-438 et seq.). The Contractor certifies that its bid was made without collusion or fraud; that it has not offered or received any kickbacks or inducements from any other offeror, supplier, manufacturer or subcontractor; and that it has not conferred on any public employee having official responsibility for this procurement any payment, loan, subscription, advance, deposit of money, services or anything of more than nominal value, present or promised, unless consideration of substantially equal or greater value was exchanged.

**39. COUNTY EMPLOYEES**

No Arlington County employee may share in any part of this Contract or receive any benefit from the Contract that is not available to the general public.

**40. FORCE MAJEURE**

Neither party will be held responsible for failure to perform the duties and responsibilities imposed by this Contract if such failure is due to a fire, riot, rebellion, natural disaster, war, act of terrorism or act of God that is beyond the control of the party and that makes performance impossible or illegal, unless otherwise specified in the Contract, provided that the affected party gives notice to the other party as soon as practicable after the force majeure event, including reasonable detail and the expected duration of the event's effect on the party.

**41. AUTHORITY TO TRANSACT BUSINESS**

The Contractor must, pursuant to Code of Virginia § 2.2-4311.2, be and remain authorized to transact business in the Commonwealth of Virginia during the entire term of this Contract. Otherwise, the Contract is voidable at the sole option of and with no expense to the County.

**42. RELATION TO COUNTY**

The Contractor is an independent contractor, and neither the Contractor nor its employees or subcontractors will be considered employees, servants or agents of the County. The County will not be responsible for any negligence or other wrongdoing by the Contractor or its employees, servants or agents. The County will not withhold payments to the Contractor for any federal or state unemployment

taxes, federal or state income taxes or Social Security tax or for any other benefits. The County will not provide to the Contractor any insurance coverage or other benefits, including workers' compensation.

**43. ANTITRUST**

The Contractor conveys, sells, assigns and transfers to the County all rights, title and interest in and to all causes of action under state or federal antitrust laws that the Contractor may have relating to this Contract.

**44. REPORT STANDARDS**

The Contractor must submit all written reports required by this Contract for advance review in a format approved by the Project Officer. Reports must be accurate and grammatically correct and should not contain spelling errors. The Contractor will bear the cost of correcting grammatical or spelling errors and inaccurate report data and of other revisions that are required to bring the report(s) into compliance with this section.

**45. AUDIT**

The Contractor must retain all books, records and other documents related to this Contract for at least five years, or such period of time required by the County's funding partner(s), if any, whichever is greater, after the final payment and must allow the County or its authorized agents to examine the documents during this period and during the Contract Term. The Contractor must provide any requested documents to the County for examination within 15 days of the request, at the Contractor's expense. Should the County's examination reveal any overcharging by the Contractor, the Contractor must, within 30 days of County's request, reimburse the County for the overcharges and for the reasonable costs of the County's examination, including, but not limited to, the services of external audit firm and attorney's fees; or the County may deduct the overcharges and examination costs from any amount that the County owes to the Contractor. If the Contractor wishes to destroy or dispose of any records related to this Contract (including confidential records to which the County does not have ready access) within five years after the final payment, or such period of time required by the County's funding partner(s), if any, whichever is greater, the Contractor must give the County at least 30 days' notice and must not dispose of the documents if the County objects.

The Purchasing Agent may require the Contractor to demonstrate that it has the necessary facilities, ability, and financial resources to comply with the Contract and furnish the service, material or goods specified herein in a satisfactory manner at any time during the term of this Contract.

**46. ASSIGNMENT**

The Contractor may not assign, transfer, convey or otherwise dispose of any award or any of its rights, obligations or interests under this Contract without the prior written consent of the County.

**47. AMENDMENTS**

This Contract may not be modified except by written amendment executed by persons duly authorized to bind the Contractor and the County.

**48. ARLINGTON COUNTY PURCHASING RESOLUTION AND COUNTY POLICIES**

Nothing in this Contract waives any provision of the Arlington County Purchasing Resolution, which is incorporated herein by reference, or any applicable County policy.



**49. DISPUTE RESOLUTION**

All disputes arising under this Agreement or concerning its interpretation, whether involving law or fact and including but not limited to claims for additional work, compensation or time, and all claims for alleged breach of contract must be submitted in writing to the Project Officer as soon as the basis for the claim arises. In accordance with the Arlington County Purchasing Resolution, claims denied by the Project Officer may be submitted to the County Manager in writing no later than 60 days after the final payment. The time limit for a final written decision by the County Manager is 30 days. Procedures concerning contractual claims, disputes, administrative appeals and protests are contained in the Arlington County Purchasing Resolution. The Contractor must continue to work as scheduled pending a decision of the Project Officer, County Manager, County Board or a court of law

**50. APPLICABLE LAW, FORUM, VENUE AND JURISDICTION**

This Contract is governed in all respects by the laws of the Commonwealth of Virginia; and the jurisdiction, forum and venue for any litigation concerning the Contract or the Work is in the Circuit Court for Arlington County, Virginia, and in no other court.

**51. ARBITRATION**

No claim arising under or related to this Contract may be subject to arbitration.

**52. NONEXCLUSIVITY OF REMEDIES**

All remedies available to the County under this Contract are cumulative, and no remedy will be exclusive of any other at law or in equity.

**53. NO WAIVER**

The failure to exercise a right provided for in this Contract will not be a subsequent waiver of the same right or of any other right.

**54. SEVERABILITY**

The sections, paragraphs, clauses, sentences, and phrases of this Contract are severable; and if any section, paragraph, clause, sentence or phrase of this Contract is declared invalid by a court of competent jurisdiction, the rest of the Contract will remain in effect.

**55. NO WAIVER OF SOVEREIGN IMMUNITY**

Notwithstanding any other provision of this Contract, nothing in this Contract or any action taken by the County pursuant to this Contract shall constitute or be construed as a waiver of either the sovereign or governmental immunity of the County. The parties intend for this provision to be read as broadly as possible.

**56. ATTORNEY'S FEES**

In the event that the County prevails in any legal action or proceeding brought by the County to enforce any provision of this Contract, the Contractor will pay the County's reasonable attorney's fees and expenses.

**57. SURVIVAL OF TERMS**

In addition to any statement that a specific term or paragraph survives the expiration or termination of this Contract, the following sections also survive: INDEMNIFICATION; INTELLECTUAL PROPERTY INDEMNIFICATION; RELATION TO COUNTY; OWNERSHIP AND RETURN OF RECORDS; AUDIT; COPYRIGHT;

WARRANTY; DISPUTE RESOLUTION; APPLICABLE LAW AND JURISDICTION; ATTORNEY’S FEES, AND CONFIDENTIAL INFORMATION.

**58. HEADINGS**

The section headings in this Contract are inserted only for convenience and do not affect the substance of the Contract or limit the sections’ scope.

**59. AMBIGUITIES**

The parties and their counsel have participated fully in the drafting of this Agreement; and any rule that ambiguities are to be resolved against the drafting party does not apply. The language in this Agreement is to be interpreted as to its plain meaning and not strictly for or against any party.

**60. NOTICES**

Unless otherwise provided in writing, all legal notices and other communications required by this Contract are deemed to have been given when either (a) delivered in person; (b) delivered by an agent, such as a delivery service; or (c) deposited in the United States mail, postage prepaid, certified or registered and addressed as follows:

**TO THE CONTRACTOR:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Phone: ()  
Email:

**TO THE COUNTY:**

\_\_\_\_\_, Project Officer  
\_\_\_\_\_  
\_\_\_\_\_

Phone: ()  
Email:

**AND**

Dr. Sharon T. Lewis, LL.M, MPS, VCO, CPPB  
Purchasing Agent  
Arlington County, Virginia  
2100 Clarendon Boulevard, Suite 500  
Arlington, Virginia 22201  
Phone: (703) 228-3294  
Email: [slewis1@arlingtonva.us](mailto:slewis1@arlingtonva.us)

**TO COUNTY MANAGER’S OFFICE (FOR PROJECT CLAIMS):**

Mark Schwartz, County Manager  
Arlington County, Virginia  
2100 Clarendon Boulevard, Suite 318

Arlington, Virginia 22201

**61. ARLINGTON COUNTY BUSINESS LICENSES**

The Contractor must comply with the provisions of Chapter 11 (“Licenses”) of the Arlington County Code, if applicable. For information on the provisions of that Chapter and its applicability to this Contract, the Contractor must contact the Arlington County Business License Division, Office of the Commissioner of the Revenue, 2100 Clarendon Blvd., Suite 200, Arlington, Virginia, 22201, telephone number (703) 228-3060, or e-mail [business@arlingtonva.us](mailto:business@arlingtonva.us).

**62. NON-DISCRIMINATION NOTICE**

Arlington County does not discriminate against faith-based organizations.

**63. SERVICE CONTRACT WAGE REQUIREMENTS**

a. LIVING WAGE

The County has determined that the provisions of Section 4-103 of the Arlington County Purchasing Resolution (regarding “Service Contract Wage” or “Living Wage”) apply to this Contract. All employees of the Contractor and any subcontractors working on County-owned, County controlled property, facilities owned, or leased, and operated by a Contractor if services provided at that location are exclusive to Arlington County, or contracts for home-based client services must be paid no less than the hourly Living Wage rate that is published on the County’s web site.

The Contractor shall submit a quarterly compliance report and certified copies of quarterly payroll reports for each employee, including subcontractor employees, through the [eComply website](#). If the Contractor or any subcontractor does not have an eComply profile, a one-time registration process immediately following the Notice of Award or Notice of Intent to Award and training on system functionality are required for each non-registered entity.

b. COMPLAINTS BY AGGRIEVED EMPLOYEES

If the Contractor fails to pay the Living Wage rate, an aggrieved employee or subcontractor may file a complaint with the County Purchasing Agent within six months of the underpayment. If the Purchasing Agent determines that the Contractor has failed to comply with the Living Wage rate provisions of the Purchasing Resolution, the Contractor will be liable to the employee for the unpaid wages, plus interest at the judgment rate from the date originally due, and less any deductions required or permitted by Virginia law. The Contractor must not discharge, reduce the compensation of or otherwise retaliate against any employee who files a complaint with the County Purchasing Agent or takes any other action to enforce the requirements of this section.

c. ADDITIONAL COMPLIANCE REQUIREMENTS

At all times during the term of the Contract, the Contractor must:

1. Post the current Living Wage rate, in English and Spanish, in a prominent place at its offices and at each location where its employees perform services under this Contract Go (see sample notice in Exhibit D);
2. Within five days of an employee’s request, provide a written statement of the applicable Living Wage rate, using the same form provided in Exhibit D;
3. Include the provisions of this section in all subcontracts for work performed under the Contract; and

4. Submit to the Purchasing Agent, within five working days of the end of each quarter, certified copies of quarterly payroll reports for each employee, including subcontractor employees, working under the Contract during the quarter and a completed Arlington County Contractor Living Wage Quarterly Compliance Report (Exhibit E).

d. CONTRACTOR RECORD KEEPING

The Contractor must preserve for five years after the expiration or termination of this Contract records of wages and benefits provided to each employee who worked under the Contract and must allow the County or its authorized agents to examine the documents during this period and during the Contract Term. The Contractor must provide any requested documents to the County for examination within 15 days of the request at the Contractor's expense.

e. VIOLATIONS

Violation of this section, as determined by the Purchasing Agent, will be a ground for termination of this Contract and suspension or debarment of the Contractor from consideration for future County contracts.

f. QUESTIONS

For questions regarding Living Wage, please email [livingwage@arlingtonva.us](mailto:livingwage@arlingtonva.us).

**64. INSURANCE REQUIREMENTS**

Before beginning work under the Contract or any extension, the Contractor must provide to the County Purchasing Agent a Certificate of Insurance indicating that the Contractor has in force at a minimum the coverage below. The Contractor must maintain this coverage until the completion of the Contract or as otherwise stated in the Contract Documents. All required insurance coverage must be acquired from insurers that are authorized to do business in the Commonwealth of Virginia, with a rating of "A-" or better and a financial size of "Class VII" or better in the latest edition of the A.M. Best Co. Guides.

- a. Workers Compensation - Virginia statutory workers compensation (W/C) coverage, including Virginia benefits and employer's liability with limits of \$500,000/500,000/500,000. The County will not accept W/C coverage issued by the Injured Worker's Insurance Fund, Towson, MD.
- b. Commercial General Liability - \$1,000,000 per occurrence, with \$1,000,000 annual aggregate covering all premises and operations and including personal injury, completed operations, contractual liability, independent contractors, and products liability. The general aggregate limit must apply to this Contract. Evidence of contractual liability coverage must be typed on the certificate.
- c. Business Automobile Liability - \$1,000,000 combined single-limit (owned, non-owned and hired).
- d. Umbrella/Excess Liability - \$1,000,000 bodily injury, property damage and personal injury.
- e. Miscellaneous E&O - \$1,000,000 per occurrence/claim.
- f. Sexual Molestation - \$1,000,000 per occurrence/claim.

- g. Additional Insured – The County and its officers, elected and appointed officials, employees and agents must be listed as additional insureds on all policies except workers compensation and automotive and professional liability; and the additional insured endorsement must be typed on the certificate.
- h. Cancellation - If there is a material change or reduction in or cancellation of any of the above coverages during the Contract Term, the Contractor must notify the Purchasing Agent immediately and must, with no lapse in coverage, obtain replacement coverage that is consistent with the terms of this Contract. Not having the required insurance throughout the Contract Term is grounds for termination of the Contract.
- i. Claims-Made Coverage - Any “claims made” policy must remain in force, or the Contractor must obtain an extended reporting endorsement, until the applicable statute of limitations for any claims has expired.
- j. Contract Identification - All insurance certificates must state this Contract's number and title.

The Contractor must disclose to the County the amount of any deductible or self-insurance component of any of the required policies. With the County’s approval, the Contractor may satisfy its obligations under this section by self-insurance for all or any part of the insurance required, provided that the Contractor can demonstrate sufficient financial capacity. In order to do so, the Contractor must provide the County with its most recent actuarial report and a copy of its self-insurance resolution.

The County may request additional information to determine if the Contractor has the financial capacity to meet its obligations under a deductible and may require a lower deductible; that funds equal to the deductible be placed in escrow; a certificate of self-insurance; collateral; or another mechanism to guarantee the amount of the deductible and ensure protection for the County.

The County’s acceptance or approval of any insurance will not relieve the Contractor from any liability or obligation imposed by the Contract Documents.

The Contractor is responsible for the Work and for all materials, tools, equipment, appliances, and property used in connection with the Work. The Contractor assumes all risks for direct and indirect damage or injury to the property used or persons employed in connection with the Work and for of all damage or injury to any person or property, wherever located, resulting from any action, omission, commission, or operation under the Contract or in connection in any way whatsoever with the Work. The Contractor’s insurance shall be the primary non-contributory insurance for any work performed under this Contract.

The Contractor is as fully responsible to the County for the acts and omissions of its subcontractors and of persons employed by them as it is for acts and omissions of persons whom the Contractor employs directly.

#### **65. MATERIAL CHANGES**

The Contractor shall notify Purchasing Agent within seven days of any material changes in its operation that relate to any matter attested regarding certifications on its bid form.

**66. CONTRACTOR PERFORMANCE EVALUATION**

Arlington County will perform written evaluations of the Contractor’s performance at various intervals throughout the term of this Contract. The evaluations will address, at a minimum, the Contractor’s work/performance, quality, cost controls, schedule, timeliness, and sub-contractor management. The Project Officer shall be responsible for completing the evaluations and providing a copy to the Contractor and County Procurement Officer.

WITNESS these signatures:

THE COUNTY BOARD OF ARLINGTON  
COUNTY, VIRGINIA

CONTRACTOR

AUTHORIZED  
SIGNATURE: \_\_\_\_\_

AUTHORIZED  
SIGNATURE: \_\_\_\_\_

NAME: \_\_\_\_\_

NAME: \_\_\_\_\_

TITLE: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

DATE: \_\_\_\_\_

**IV. ATTACHMENTS AND FORMS**

ARLINGTON COUNTY, VIRGINIA

INVITATION TO BID NO. 23-DPR-ITBLW-431

B I D F O R M

SUBMIT ONE FULLY COMPLETED AND SIGNED BID FORM ELECTRONICALLY VIA VENDOR REGISTRY

BIDS WILL BE OPENED AT 1:30 P.M., ON JANUARY 13, 2022

FOR PROVIDING POOL MAINTENANCE AND REPAIR SERVICES PER THE TERMS, CONDITIONS AND SPECIFICATIONS OF THIS SOLICITATION

THE FULL LEGAL NAME OF THE ENTITY SUBMITTING THIS BID MUST BE WRITTEN IN THE SPACE BELOW. THIS BID FORM AND ALL OTHER DOCUMENTS THAT REQUIRE A SIGNATURE MUST BE FULLY AND ACCURATELY COMPLETED AND SIGNED BY A PERSON WHO IS AUTHORIZED TO BIND THE BIDDER, OR THE BID MAY BE REJECTED.

SUBMITTED BY:

*(Legal name of entity)*

\_\_\_\_\_

AUTHORIZED SIGNATURE:

\_\_\_\_\_

PRINT NAME AND TITLE:

\_\_\_\_\_

ADDRESS:

\_\_\_\_\_

CITY/STATE/ZIP:

\_\_\_\_\_

TELEPHONE NO.:

E-MAIL

ADDRESS:

\_\_\_\_\_

\_\_\_\_\_

THIS ENTITY IS INCORPORATED IN:

\_\_\_\_\_

THIS ENTITY IS A:

*(check the applicable option)*

CORPORATION

LIMITED PARTNERSHIP

GENERAL PARTNERSHIP

UNINCORPORATED ASSOCIATION

LIMITED LIABILITY COMPANY

SOLE PROPRIETORSHIP

IS BIDDER AUTHORIZED TO TRANSACT BUSINESS IN THE COMMONWEALTH OF VIRGINIA?

YES

NO

IDENTIFICATION NO. ISSUED TO THE ENTITY BY THE SCC:

\_\_\_\_\_

*Any Offeror exempt from Virginia State Corporation Commission (SCC) authorization requirement must include a statement with its proposal explaining why it is not required to be so authorized.*



ENTITY'S DUN & BRADSTREET D-U-N-S NUMBER: *(if available)*: \_\_\_\_\_

HAS YOUR FIRM OR ANY OF ITS PRINCIPALS BEEN DEBARRED, ENJOINED, OR SUSPENDED FROM SUBMITTING BIDS TO ARLINGTON COUNTY, VIRGINIA, OR ANY OTHER STATE OR POLITICAL SUBDIVISION WITHIN THE PAST THREE YEARS? YES  NO

HAS YOUR FIRM DEFAULTED ON ANY PROJECT IN THE LAST THREE YEARS? YES  NO

HAS YOUR FIRM HAD ANY TYPE OF BUSINESS, CONTRACTING OR TRADE LICENSE, REGISTRATION OR CERTIFICATION REVOKED OR SUSPENDED IN THE PAST THREE YEARS? YES  NO

HAS YOUR FIRM AND ITS PRINCIPALS/OWNERS BEEN CONVICTED OF ANY CRIME RELATING TO ITS CONTRACTING BUSINESS IN THE PAST TEN YEARS? YES  NO

HAS YOUR FIRM BEEN FOUND IN VIOLATION OF ANY LAW APPLICABLE TO ITS CONTRACTING BUSINESS (LICENSING LAWS, TAX LAWS, WAGE AND HOUR LAWS, PREVAILING WAGE LAWS, ENVIRONMENTAL) WHERE THE RESULT OF SUCH VIOLATION WAS THE PAYMENT OF A FINE, BACK PAY DAMAGES, OR ANY OTHER PENALTY IN THE AMOUNT OF \$5000 OR MORE? YES  NO

IS YOUR FIRM PREQUALIFIED BY THE VIRGINIA DEPT. OF TRANSPORTATION? YES  NO

BIDDER STATUS: MINORITY OWNED:  WOMAN OWNED:  NEITHER:

THE UNDERSIGNED UNDERSTANDS AND ACKNOWLEDGES THE FOLLOWING:

THE OFFICIAL COPY OF THE SOLICITATION DOCUMENTS, WHICH INCLUDES ANY ADDENDA, IS THE ELECTRONIC COPY THAT IS AVAILABLE FROM THE [VENDOR REGISTRY WEBSITE](#).

VENDORS ARE REQUIRED TO REGISTER ON [VENDOR REGISTRY](#) IN ORDER TO SUBMIT A RESPONSE TO THIS INVITATION TO BID. **NO RESPONSES WILL BE ACCEPTED AFTER THE BID DUE DATE AND TIME.**

POTENTIAL BIDDERS ARE RESPONSIBLE FOR DETERMINING THE ACCURACY AND COMPLETENESS OF ALL SOLICITATION DOCUMENTS THEY RECEIVE FROM ANY SOURCE, INCLUDING THE COUNTY.

**MINIMUM BIDDER QUALIFICATIONS:**

In a separate attachment, Bidders shall provide the following documentation:

**Company Qualifications:**

- Submit a list of contracts for Pool Maintenance and Repair Services, of similar size and scope, that have been executed during the past five (5) years.

**Staffing Qualifications:**

- Submit resumes of all key personnel proposed for this project that have experience as designated key personnel in similar size and type of projects.

The undersigned acknowledges receipt of the following Addenda:

ADDENDUM NO. 1	DATE: _____	INITIAL: _____
ADDENDUM NO. 2	DATE: _____	INITIAL: _____
ADDENDUM NO. 3	DATE: _____	INITIAL: _____

**TRADE SECRETS OR PROPRIETARY INFORMATION:**

Trade secrets or proprietary information submitted by an Offeror in connection with a procurement transaction will not be subject to public disclosure under the Virginia Freedom of Information Act. Pursuant to Section 4-112 of the Arlington County Purchasing Resolution, however, an Offeror seeking to protect submitted data or materials from disclosure must, before or upon submission of the data or materials, identify the specific data or materials to be protected and state the reasons why protection is necessary. Please note that designation of an entire bid, proposal, or prequalification application or of line-item prices or the total bid amount is prohibited.

Please mark one:

- No, the bid that I have submitted does not contain any trade secrets and/or proprietary information.
- Yes, the bid that I have submitted does contain trade secrets and/or proprietary information.

If Yes, you must clearly identify below the exact data or materials to be protected and list all applicable page numbers of the bid that contain such data or materials:

---

---

---

---

State the specific reason(s) why protection is necessary:

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If you fail above to identify the data or materials to be protected or to state the reason(s) why protection is necessary, you will not have invoked the protection of Section 4-111 of the Purchasing Resolution. Accordingly, upon the award of a contract, the bid will be open for public inspection consistent with applicable law.

CERTIFICATION OF NON-COLLUSION: The undersigned certifies that this bid is not the result of or affected by (1) any act of collusion with another person engaged in the same line of business or commerce (as defined in Virginia Code §§ 59.1-68.6 *et seq.*) or (2) any act of fraud punishable under the Virginia Governmental Frauds Act (Virginia Code §§ 18.2-498.1 *et seq.*).

CONTACT PERSON AND MAILING ADDRESS FOR DELIVERY OF NOTICES

Provide the name and address of the person who is designated to receive notices and other communications regarding this solicitation. Refer to the "Notices" section in the draft Contract Terms and Conditions for information regarding delivery of notices.

NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

\_\_\_\_\_

E-MAIL: \_\_\_\_\_

BIDDER NAME: \_\_\_\_\_

REFERENCES

Bidders should provide three (3) references for similar services that have been provided by the Bidder within the past five (5) years. The County reserves the right to evaluate the quality of Contractor's work through site visits with Contractor's references.

REFERENCE 1: Contact Name: \_\_\_\_\_  
Organization: \_\_\_\_\_  
Phone Number: \_\_\_\_\_  
E-mail Address: \_\_\_\_\_  
Contract/Project Name: \_\_\_\_\_  
Contract/Project Dates (from-to): \_\_\_\_\_  
Contract/Project Description: \_\_\_\_\_

REFERENCE 2: Contact Name: \_\_\_\_\_  
Organization: \_\_\_\_\_  
Phone Number: \_\_\_\_\_  
E-mail Address: \_\_\_\_\_  
Contract/Project Name: \_\_\_\_\_  
Contract/Project Dates (from-to): \_\_\_\_\_  
Contract/Project Description: \_\_\_\_\_

REFERENCE 3: Contact Name: \_\_\_\_\_  
Organization: \_\_\_\_\_  
Phone Number: \_\_\_\_\_  
E-mail Address: \_\_\_\_\_  
Contract/Project Name: \_\_\_\_\_  
Contract/Project Dates (from-to): \_\_\_\_\_  
Contract/Project Description: \_\_\_\_\_

BIDDER NAME: \_\_\_\_\_

Pool Maintenance and Repair Bidders Qualification Matrix					
#	Question	Confirmation (Yes/No)	Project Names	Project Description	Final Contract Value
1	Has 5 years of experience in providing Pool Maintenance and Repair Services of similar size and scope.				
2	Have five (5) years' experience installing Neptune Benson regenerative Media Filters for an indoor aquatic athletic and leisure environment.				
3	Have one (1) year experience maintaining Axiall and Accutab Acid Rite Feeders for an indoor aquatic and leisure environment.				
4	Have one (1) year experience servicing and maintaining ETS UV water treatment.				
5	Will provide at least one (1) certified Installer with three (3) years of experience installing and maintaining Axiall and Accutab Acid Rite Feeders for an indoor aquatic and leisure environment				
6	Will provide at least one (1) certified Installer with three (3) years of experience installing Neptune Benson regenerative Media Filters for an indoor aquatic and leisure environment				
7	Will provide at least one (1) certified Lochinvar pool heater maintenance and service technician.				
8	Will provide at least one (1) technician/personnel with three (3) years' experience servicing and maintaining UV Sanitizing equipment.				

**INSURANCE CHECKLIST**

**CERTIFICATE OF INSURANCE MUST SHOW ALL COVERAGE AND ENDORSEMENTS MARKED "X".**

**COVERAGES REQUIRED**

**LIMITS (FIGURES DENOTE MINIMUMS)**

- \_X\_1. Workers' Compensation.....Statutory limits of Virginia
- \_X\_2. Employer's Liability.....\$500,000/accident, \$500,000/disease, \$500,000/disease policy limit
- \_X\_3. Commercial General Liability.....\$1,000,000 CSL BI/PD each occurrence, \$2 Million annual aggregate
  - \_X\_4. Premises/Operations.....\$1 Million CSL BI/PD each occurrence, \$ 2 Million annual aggregate
  - \_X\_7. Independent Contractors.....\$1 million CSL BI/PD each occurrence, \$2 Million annual aggregate
  - \_X\_8. Products Liability..... \$1 million CSL BI/PD each occurrence, \$2 Million annual aggregate
  - \_X\_9. Completed Operations..... \$1 million CSL BI/PD each occurrence, \$2 Million annual aggregate
  - \_X\_10. Contractual Liability (Must be shown on Certificate.... \$1 million CSL BI/PD each occurrence, \$2 Million annual aggregate
  - \_11. Personal and Advertising Injury Liability.....\$1 million each offense, \$2 Million annual aggregate
  - \_21. Moving and Rigging Floater.....Endorsement to CGL
  - \_24. XCU Coverage.....Endorsement to CGL
- \_X\_5. Automobile Liability.....\$1million CSL BI/PD each accident, Uninsured Motorist
  - \_X\_6. Owned/Hired/Non-Owned Vehicle.....\$1 million BI/PD each accident, Uninsured Motorist
  - \_16. Motor Carrier Act (MCS-90) and CA9948 (or equivalent) Endorsements ....\$2 million BI/PD each accident, Uninsured Motorist
- \_12. Umbrella/Excess Liability.....\$1 million Bodily Injury, Property Damage and Personal Injury
- \_13. Per Project Aggregate for \_\_ General Liability or \_\_ Umbrella/Excess Liability (check coverage)
- \_X\_14. Professional Liability/ Errors and Omission (E&O)
  - \_a. Architects and Engineers.....\$1 million per occurrence/claim
  - \_b. Asbestos Removal Liability .....\$3 million per occurrence/claim
  - \_c. Medical Malpractice.....\$2.55 million per occurrence/claim or the statutory VA annual claim cap whichever is greater
- \_X\_15. Miscellaneous E&O.....\$1 million per occurrence/claim
- \_17. Motor Cargo Insurance.....\$ \_\_\_\_\_ (to the total value of the goods being transported)
- \_18. Garage Liability.....\$1 million Bodily Injury, Property Damage per occurrence
- \_19. Garage Keepers Liability.....\$1Million Comprehensive, \$1 Million Collision
- \_20. Inland Marine-Bailee's Insurance..... \$ \_\_\_\_\_ (maximum value of goods under Contractor's care)
- \_22. Crime Liability/ Employee Dishonesty insurance or Dishonesty Bond.....\$ \_\_\_\_\_  
(Maximum value of revenue or goods that can be taken at one time)
- \_23. Builder's Risk.....\$ \_\_\_\_\_ (Provide Coverage in the full amount of contract)
- \_25. USL&H.....Federal Statutory Limits
- \_X\_26. Carrier Rating shall be Best's Rating of A-VII or better or its equivalent
- \_X\_27. Notice of Cancellation, nonrenewal or material change in coverage shall be provided to County at least thirty (30) days prior to action.
- \_X\_28. The County shall be named Additional Insured on all policies except Workers Compensation, Errors, and Omissions/Professional Liability and auto.
- \_X\_29. Certificate of Insurance shall show Bid Number and Bid Title.
- \_30. Environmental Impairment Liability, including coverage of on-site clean up.....BI/PD \$3 Million per occurrence or \$6 Million Aggregate
  - \_a. If work requires clean up, remediation, and/or removal of bio -solids, bio-hazards waste, and any hazardous or toxic material via transportation request Business Auto Liability add #16 from this checklist.
- \_31. Cyber insurance with Technology E&O..... \$2 Million per occurrence
- \_X\_32. OTHER INSURANCE REQUIRED: Sexual Abuse and Molestation ..... \$1 Million per occurrence

**BIDDER'S STATEMENT:** If awarded the contract, I will comply with contract insurance requirements.

BIDDER NAME: \_\_\_\_\_

AUTH. SIGNATURE: \_\_\_\_\_

**PRICING**

- 1. Quarterly Preventative Maintenance and Inspection:** Pricing per quarter shall include labor, supervision, equipment, pool chemicals, tools, parts, materials, and transportation necessary to perform preventative maintenance and inspection.

Description	Estimated Quantity	Price per Quarter	Annual Amount
Quarterly Maintenance and Inspection	4 quarters	\$ _____	\$ _____
<b>Total for Quarterly Maintenance and Inspection</b>			\$ _____

- 2. Hourly Rate for Regular and Emergency Repair Services** shall include labor, supervision, equipment, tools, parts, materials, and transportation necessary to perform repair services.

Description	Estimated Hours	Hourly Rate	Extended Rate
Regular and Emergency Repair: 8:00 am to 5:00 pm Monday through Friday	60 hours	\$ _____	\$ _____
Regular and Emergency Maintenance and Inspection: 8:00 am to 5:00 pm Monday through Friday	60 hours	\$ _____	\$ _____
After Hours Emergency Repair: 5:01 pm and 7:59 am Monday through Friday	20 hours	\$ _____	\$ _____
After Hours Emergency Maintenance and Inspection: 5:01 pm and 7:59 am Monday through Friday	20 hours	\$ _____	\$ _____
Weekend & Holiday Emergency Repair: 5:01 pm Friday to 7:59 am Monday, or on County approved holidays	20 hours	\$ _____	\$ _____
Weekend & Holiday Emergency Maintenance and Inspection: 5:01 pm Friday to 7:59 am Monday, or on County approved holidays	20 hours	\$ _____	\$ _____
<b>Total for Hourly Rate for Regular and Emergency Repair Services</b>			\$ _____

<b>Grand Total for Sections 1 and 2.</b>	\$ _____
--	----------

**3. Percentage discount off Manufacturer’s list Price: For information purposes not to determine an award.**

Categories of Percentage Discount	% Discount off List Price	Identification of published price list to include link
Neptune-Benson Defender Filter		
ETS UV Sanitizers		
PPG ACIDRITE Chemical feeders		
PPG ACCUTAB Chemical feeders		
Bec Controllers		
Pentair Motor Drives		
TechTop Pump Motors		
Lochinvar Copper-fin <sup>2</sup> Pool Heaters		



**GENERAL NOTES:**  
 1. LOCATE LIFE GUARD CHAIRS AS REQUIRED PER STATE AND LOCAL CODES AND PER OWNER'S SAFETY CONSULTANT.  
 2. SCHEDULE QUANTITIES ARE SHOWN FOR VALUE ENGINEERING PURPOSES. IT IS THE INSTALLING CONTRACTOR'S RESPONSIBILITY TO VERIFY QUANTITIES REQUIRED.  
 3. CONTRACTOR SHALL CONTACT ENGINEER FOR ELECTRONIC DRAWING FILES PRIOR TO COMMENCING POOL STAKING WORK.  
 4. ENGINEER WILL PROVIDE ELECTRONIC PLAN VIEW OF ALL POOLS IN AUTOCAD DRAWING FORMAT FOR CONTRACTOR'S USE TO LOCATE STRUCTURES AND RELATED POOL DECK EQUIPMENT.

**CODES, STANDARDS AND REGULATIONS:**  
 CONTRACTOR SHALL BE FAMILIAR WITH ALL CODES AND STANDARDS LISTED BELOW AND ALERT THE ARCHITECT/ENGINEER TO CONFLICTS IN THE DRAWINGS

**CODE JURISDICTION:**  
 USA, VIRGINIA, ARLINGTON COUNTY

**HEALTH & SAFETY CODE:**  
 ARLINGTON COUNTY CODE, CHAPTER 24.1, 09/2011  
 WATER RECREATION FACILITIES ORDINANCE, ADOPTED APRIL 16, 2005

INTERNATIONAL SWIMMING POOL AND SPA CODE 2015

**ACCESSIBILITY STANDARDS AND REGULATIONS:**  
 UNITED STATES:  
 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN

**COMPETITIVE SWIMMING GOVERNING BODIES:**  
**SWIMMING:**  
 FINA - FEDERATION INTERNATIONALE DE NATATION (INTERNATIONAL SWIMMING FEDERATION) (2015-2017)  
 NFHS - NATIONAL FEDERATION OF STATE HIGH SCHOOL ASSOCIATIONS  
 USA SWIMMING

**DIVING:**  
 FINA - FEDERATION INTERNATIONALE DE NATATION (INTERNATIONAL SWIMMING FEDERATION)(2015-2017)  
 NFHS - NATIONAL FEDERATION OF STATE HIGH SCHOOL ASSOCIATIONS  
 US DIVING

**WATER POLO:**  
 FINA - FEDERATION INTERNATIONALE DE NATATION (INTERNATIONAL SWIMMING FEDERATION)(2015-2017)  
 NFHS - NATIONAL FEDERATION OF STATE HIGH SCHOOL ASSOCIATIONS  
 US WATER POLO

**SYNCHRONIZED SWIMMING:**  
 FINA - FEDERATION INTERNATIONALE DE NATATION (INTERNATIONAL SWIMMING FEDERATION) (2015-2017)

**COAKLEY WILLIAMS CONSTRUCTION**

**Page/**

Page Southerland Page, Inc.  
 1615 M St. NW, Suite 700  
 Washington, DC 20036  
 pagesthink.com

TEL: 202 909 4900  
 FAX: 202 909 4900

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 +1 920 887 7276  
 www.wtiinc.com

ARLINGTON COUNTY  
 LONG BRIDGE PARK AND  
 AQUATICS & FITNESS FACILITY  
 333 LONG BRIDGE PARK DRIVE  
 ARLINGTON, VA 22202

**SCHEDULE - SHEET LIST**

SHEET NO.	SHEET NAME
PL100	OVERALL AQUATIC PLAN
PL101	GENERAL DETAILS AND SCHEDULES
PL110	POOL A - 50M COMPETITION POOL PLAN
PL111	POOL A - 50M COMPETITION POOL DIMENSION PLAN
PL112	POOL A - 50M COMPETITION POOL COURSE LAYOUT - 25 YARD X 25 METER
PL113	POOL A - 50M COMPETITION POOL COURSE LAYOUT - 25 YARD PLUS DIVING
PL114	POOL A - 50M COMPETITION POOL COURSE LAYOUT - (2) 25 METER COURSES
PL115	POOL A - 50M COMPETITION POOL COURSE LAYOUT - 25METER WITH DIVING
PL116	POOL A - 50M COMPETITION POOL COURSE LAYOUT - 50METER
PL117	POOL A - 50M COMPETITION POOL COURSE LAYOUT - 25 YARD COURSE
PL118	POOL A - 50M COMPETITION POOL COURSE LAYOUT - 25 YARD CROSS COURSE X 25 YARD COURSE
PL119	POOL A - 50M COMPETITION POOL COURSE LAYOUT - 25 YARD CROSS COURSE X 25 YARD
PL120	POOL A - 50M COMPETITION POOL COURSE LAYOUT
PL121	POOL A - 50M COMPETITION POOL COURSE LAYOUT
PL122	POOL A - 50M COMPETITION POOL COURSE LAYOUT
PL123	POOL A - 50M COMPETITION POOL SECTIONS
PL124	POOL A - 50M COMPETITION POOL DETAILS
PL125	POOL A - 50M COMPETITION POOL DETAILS
PL126	POOL A - 50M POOL DETAILS
PL127	POOL A - 50M POOL DETAILS
PL130	POOL B - LIFESTYLE POOL PLAN
PL131	POOL B - LIFESTYLE POOL DIMENSION PLAN
PL132	POOL B - LIFESTYLE POOL SLIDE PLAN AND DETAILS
PL133	POOL B - LIFESTYLE POOL SECTION
PL134	POOL B - LIFESTYLE POOL DETAILS
PL135	POOL B - LIFESTYLE POOL DETAILS
PL136	POOL B - LIFESTYLE POOL DETAILS
PL137	POOL B - LIFESTYLE POOL DETAILS
PL138	POOL B - LIFESTYLE POOL DETAILS
PL140	POOL C - WHIRLPOOL PLAN AND DETAILS
PL141	POOL C - WHIRLPOOL DIMENSION PLAN AND SECTIONS
PL142	POOL C - WHIRLPOOL DETAILS
PL200	STRUCTURAL
PL201	STRUCTURAL
PL202	STRUCTURAL
PL203	STRUCTURAL
PL204	STRUCTURAL
PL205	STRUCTURAL
PL300	OVERALL PIPING PLAN
PL301	POOL A PIPING PLAN
PL302	POOL B OVERALL PIPING PLAN
PL321	POOL B SUCTION, GUTTER, FILL AND SENSOR PIPING
PL322	POOL B FILTRATION, SLIDE AND PROPULSION PIPING PLAN
PL323	POOL B ACTIVITY AND JET PIPING PLAN
PL330	POOL C PIPING PLAN
PL400	NORTH MECHANICAL ROOM EQUIPMENT LAYOUT
PL401	SOUTH MECHANICAL ROOM EQUIPMENT LAYOUT
PL402	MECHANICAL DETAILS
PL403	MECHANICAL DETAILS
PL404	MECHANICAL DETAILS
PL450	DEFENDER FILTRATION SCHEMATIC
PL510	POOL A MECHANICAL P&ID
PL511	POOL A ELECTRICAL SCHEMATIC SYSTEM 1
PL512	POOL A ELECTRICAL SCHEMATIC SYSTEM 2
PL520	POOL B MECHANICAL P&ID
PL521	POOL B ELECTRICAL SCHEMATIC
PL530	POOL C MECHANICAL P&ID
PL531	POOL C ELECTRICAL SCHEMATIC

**SUBMITTAL HISTORY**

I	IFC	DESCRIPTION	DATE
			13 JUNE 2019

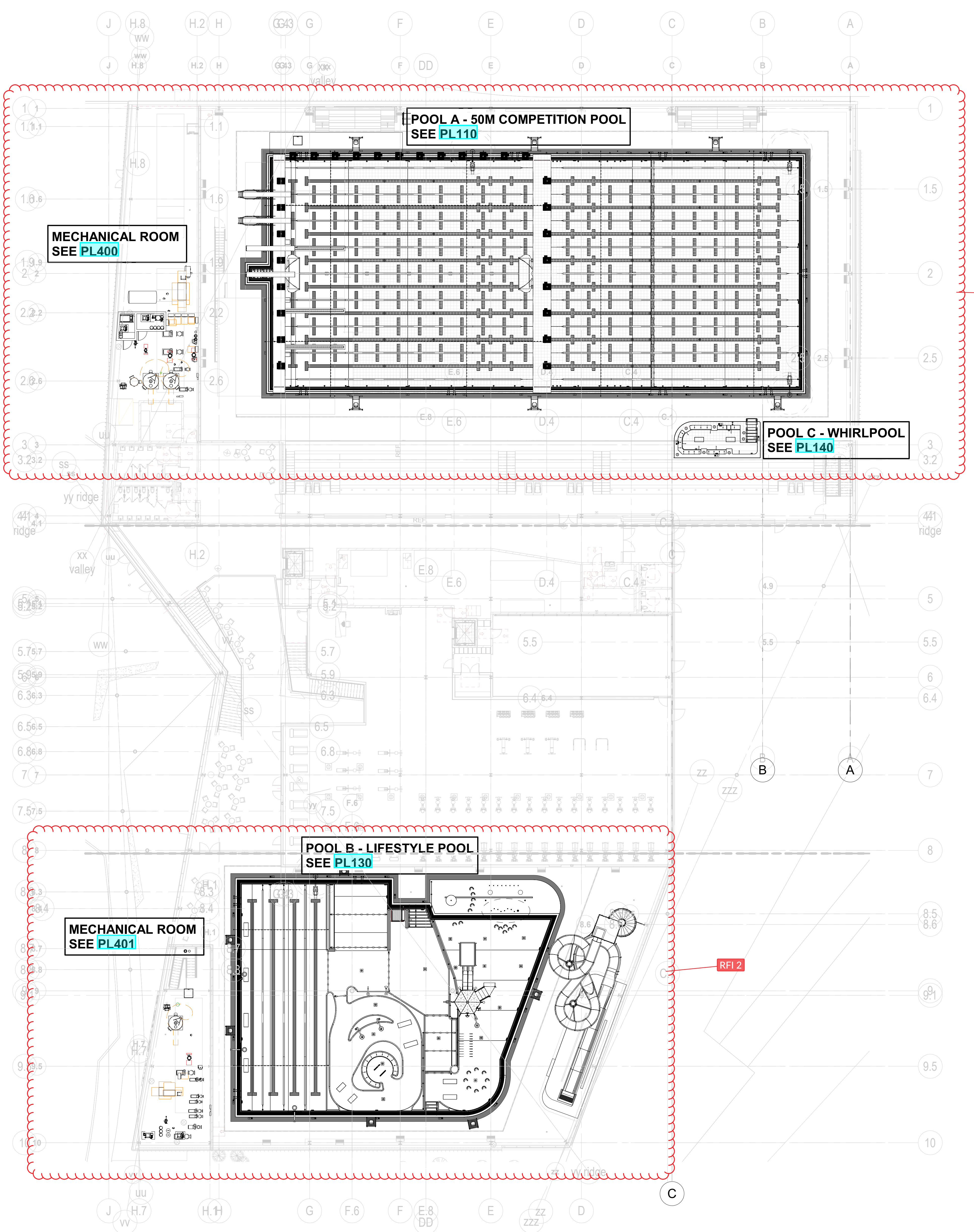
PROFESSIONAL SEALS

COAST GUARD OF VIRGINIA  
 Brian W. Fraber  
 No. 0402 032975

**OVERALL AQUATIC PLAN**

DRAWN BY	CHECKED BY
JVH	SL
PROJECT NUMBER	PROJECT ABBREVIATION
717030	LBP
ORIGINAL ISSUE	DATE
IFC	13 JUNE 2019

**PL100**  
 SHEET NUMBER



1 OVERALL AQUATICS PLAN  
 1/16" = 1'-0"

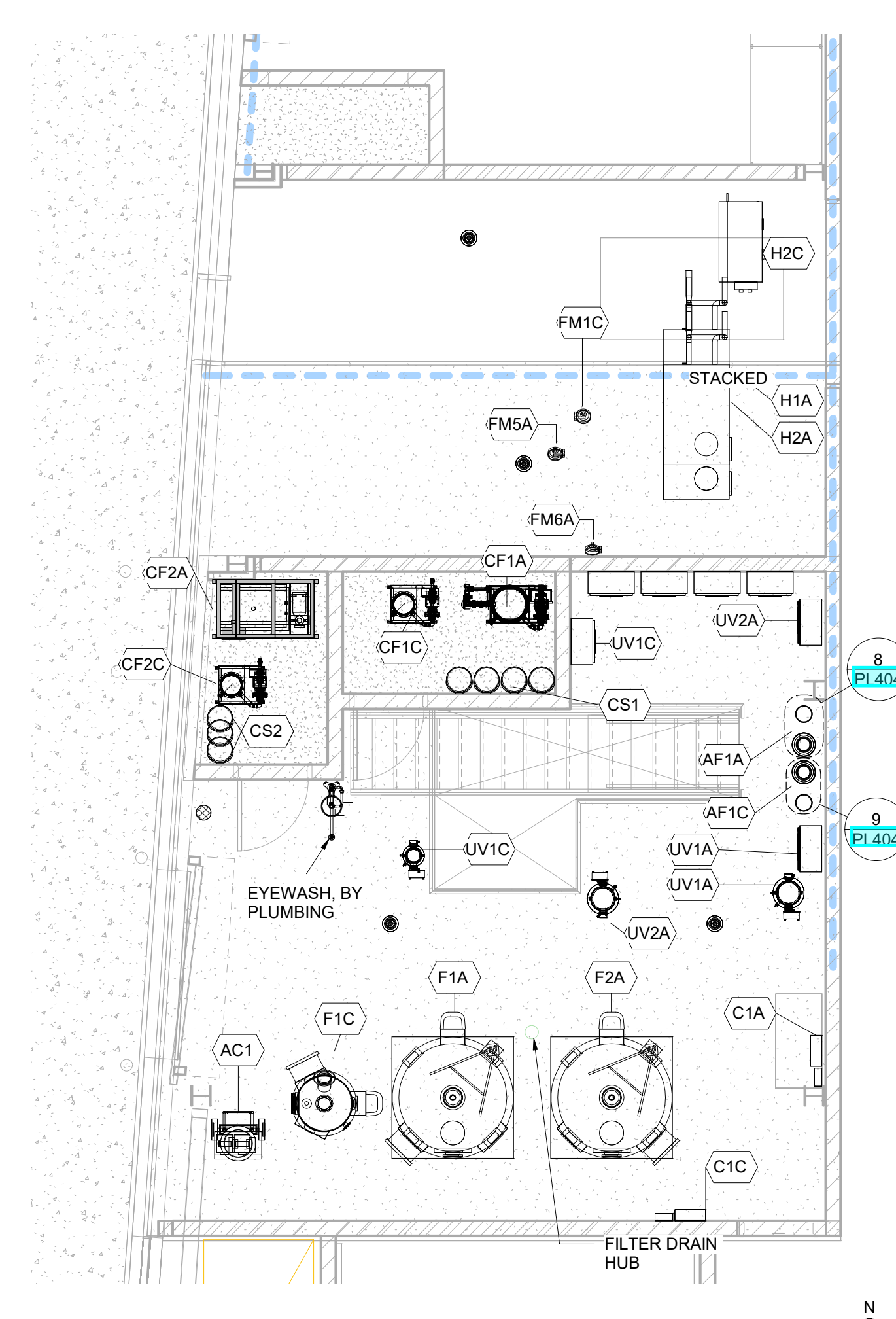
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POOL A-COMPETITION DATA			
DESCRIPTION	QTY	UNITS	
POOL PERIMETER	513	FEET	
WATER SURFACE AREA	13,054	SQUARE FEET	
POOL VOLUME	711,064	GALLONS	
SURGE TANK - POOL SURGE VOLUME	13,285	GALLONS	
SURGE FACTOR	1.0	GAL/SFT	
CIRCULATION RATE	2,155	GPM	
TURNOVER/VOLUME/FLOW	330 MIN.	711,064 GAL.	2,155 GPM
FILTRATION RATE	0.89	GPM/FT²	
FILTER DRAIN RATE	300	GPM	
PATRON LOAD	485	PERSONS	

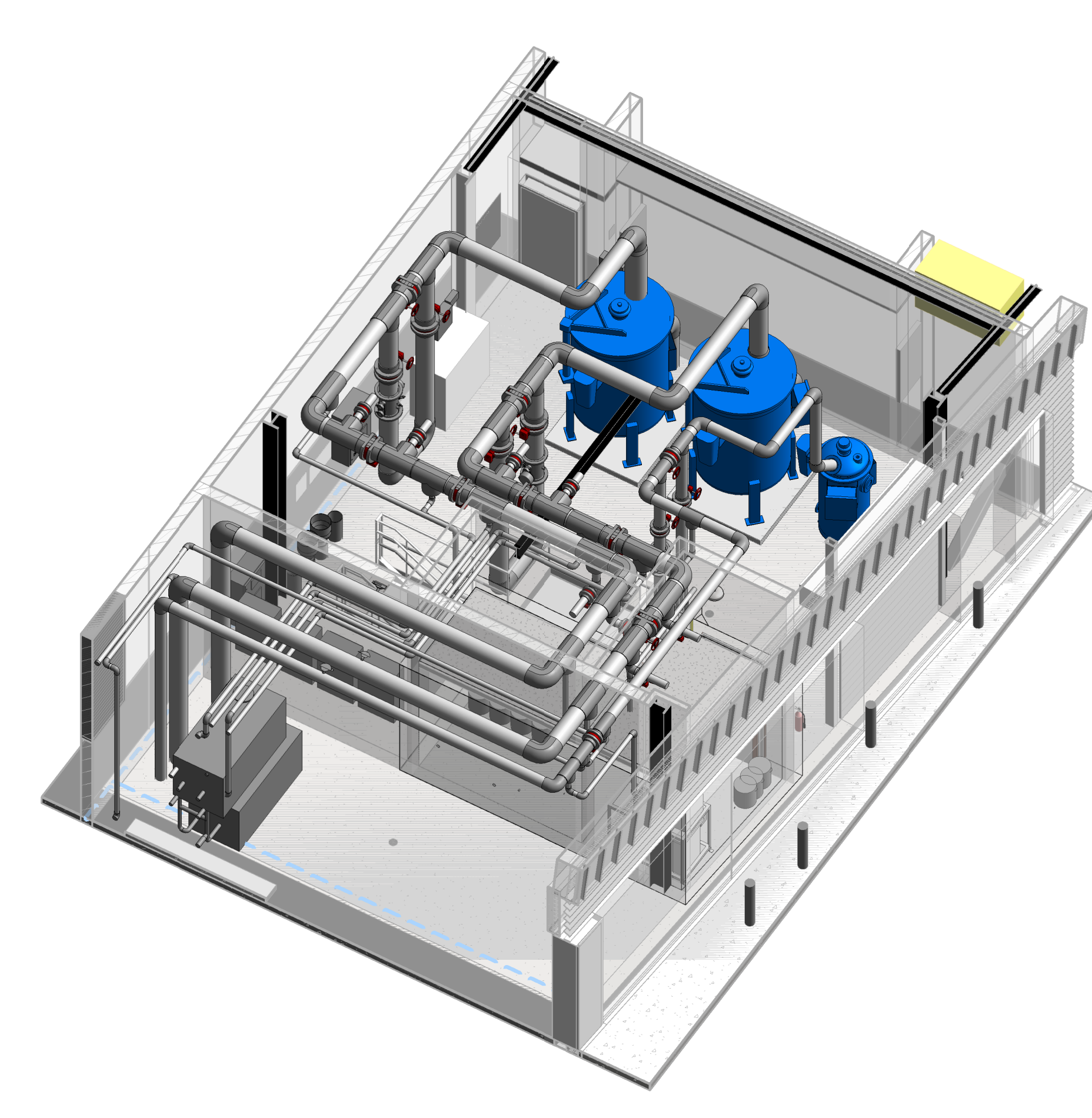
POOL C-WHIRLPOOL DATA			
DESCRIPTION	QTY	UNITS	
POOL PERIMETER	69	FEET	
WATER SURFACE AREA	225	SQUARE FEET	
POOL VOLUME	4,376	GALLONS	
CIRCULATION RATE	292	GPM	
TURNOVER/VOLUME/FLOW	15 MIN.		
FILTRATION RATE	1.11	GPM/FT²	
FILTER DRAIN RATE	300	GPM	
PATRON LOAD	22	PERSONS	

POOL A - COMPETITION POOL MECHANICAL EQUIPMENT SCHEDULE				
ID	ITEM	QTY.	MANUFACTURER	BASIS OF DESIGN
P1A	FILTRATION PUMP 1	1	AURORA PUMP	341A, 6x6x11, 40 HP, 230/460 VOLT, 3 PHASE, 1750 RPM, (PUMP SIZED TO 67% TOTAL FLOW 1443 GPM @ 70' TDH) OPERATING AT 1077 GPM, TEFC MOTOR, END SUCTION, CLOSE COUPLED, BRONZE FITTED, EPOXY COATED VOLUTE, TO INCLUDE PENTAIR ACU-DRIVE VFD WITH MANUAL BYPASS. SEE VFD SPECIFICATIONS IN PROJECT MANUAL.
P2A	FILTRATION PUMP 2	1	AURORA PUMP	341A, 6x6x11, 40 HP, 230/460 VOLT, 3 PHASE, 1750 RPM, (PUMP SIZED TO 67% TOTAL FLOW 1443 GPM @ 70' TDH) OPERATING AT 1077 GPM, TEFC MOTOR, END SUCTION, CLOSE COUPLED, BRONZE FITTED, EPOXY COATED VOLUTE, TO INCLUDE PENTAIR ACU-DRIVE VFD WITH MANUAL BYPASS. SEE VFD SPECIFICATIONS IN PROJECT MANUAL.
S1A	STRAINER (FILTRATION PUMP 1)	1	NEPTUNE BENSON, INC	12" STRAIGHT BASKET STRAINER (SIZED FOR 67% PUMP FLOW/1443 GPM), STAINLESS STEEL BODY, TRANSPARENT ACRYLIC LID, STAINLESS STEEL BASKET. PROVIDE WITH EXTRA STAINLESS STEEL BASKET AND ECCENTRIC REDUCING PRECOAT TEE.
S2A	STRAINER (FILTRATION PUMP 2)	1	NEPTUNE BENSON, INC	12" STRAIGHT BASKET STRAINER (SIZED FOR 67% PUMP FLOW/1443 GPM), STAINLESS STEEL BODY, TRANSPARENT ACRYLIC LID, STAINLESS STEEL BASKET. PROVIDE WITH EXTRA STAINLESS STEEL BASKET AND ECCENTRIC REDUCING PRECOAT TEE.
F1A	FILTER 1	1	NEPTUNE BENSON, INC	REGENERATIVE MEDIA FILTER, MODEL SP49-48-1548, 1211 SQUARE FEET OF FILTER AREA, 0.89 GPM/S.F. OF FILTER AREA, PROVIDE WITH PERLITE MEDIA OR APPROVED EQUAL.
F2A	FILTER 2	1	NEPTUNE BENSON, INC	REGENERATIVE MEDIA FILTER, MODEL SP49-48-1548, 1211 SQUARE FEET OF FILTER AREA, 0.89 GPM/S.F. OF FILTER AREA, PROVIDE WITH PERLITE MEDIA OR APPROVED EQUAL.
AC1	AIR COMPRESSOR	1	NEPTUNE BENSON, INC	DEFENDER COMPRESSOR AND WATER SEPARATOR, 2HP, 1 PHASE, 120V, 135 PSI MAXIMUM PRESSURE, 30 GALLON TANK, CAST IRON TWIN CYLINDER COMPRESSOR PUMP, PART #12213, WATER SEPARATOR MODEL AMG350, 1/2" PORT SIZE.
UV1A	U.V. CHAMBER 1	1	ETS	MODEL ECF230-12V, 12" CONNECTIONS, 480V, 60 Hz, 3 PHASE, 6 kW, PROVIDE WITH ETS "EZ" STRAINER VALVE THAT MATCHES THE PIPE SIZE OF THE FILTRATION MAIN.
UV2A	U.V. CHAMBER 2	1	ETS	MODEL ECF230-12V, 12" CONNECTIONS, 480V, 60 Hz, 3 PHASE, 6 kW, PROVIDE WITH ETS "EZ" STRAINER VALVE THAT MATCHES THE PIPE SIZE OF THE FILTRATION MAIN.
H1A	HEATER	1	LOCHINVAR	COPPERFIN 2, MODEL CPN1441, 1.44 MBTU/HOUR INPUT, 2" GAS CONNECTION, 2.5" WATER CONNECTION, 12" DIAMETER FLUE, PROVIDE WITH HDK 3038 VENT KIT MODEL RCP 1282-1442, CUPRO NICKEL HEAT EXCHANGER, MANUAL RESET HIGH LIMIT AND MULTI-STACK STAND. FURTHER PROVIDE WITH A.S.M.E. LABEL, RELIEF VALVE, FLOW SWITCH, OPTIONAL PUMP ON/OFF RELAY, AND ALL SAFETY DEVICE PACKAGES PER STATE AND LOCAL CODES. PROVIDE WITH 2.5" FLOWVIS FLOWMETER ON HEATER INFLUENT PIPING AS SHOWN IN DETAIL.
H2A	HEATER	1	LOCHINVAR	COPPERFIN 2, MODEL CPN1441, 1.44 MBTU/HOUR INPUT, 2" GAS CONNECTION, 2.5" WATER CONNECTION, 12" DIAMETER FLUE, PROVIDE WITH HDK 3038 VENT KIT MODEL RCP 1282-1442, CUPRO NICKEL HEAT EXCHANGER, MANUAL RESET HIGH LIMIT AND MULTI-STACK STAND. FURTHER PROVIDE WITH A.S.M.E. LABEL, RELIEF VALVE, FLOW SWITCH, OPTIONAL PUMP ON/OFF RELAY, AND ALL SAFETY DEVICE PACKAGES PER STATE AND LOCAL CODES. PROVIDE WITH 2.5" FLOWVIS FLOWMETER ON HEATER INFLUENT PIPING AS SHOWN IN DETAIL.
C1A	CHEMICAL CONTROLLER	1	BECS TECHNOLOGY	BECSy7 CONTROLLER: CONTINUOUS MONITORING AND CONTROL. SEE CHEMICAL CONTROLLER SPECIFICATIONS FOR SPECIFICS.
CF1A	CHEMICAL FEED (CHLORINE)	1	AXIAL	ACCUTAB (PPG INDUSTRIES, INC.) MODEL: POWERBASE 3070AT CHLORINATOR, FEEDS UP TO 10.2 LBS/HR CHLORINE. PROVIDE WITH INJECTION PUMP, POLYETHYLENE BALANCE TANK, FLOWMETER, SOLENOID, ALUMINUM FRAME, PRE-PLUMBED AND PRE-WIRED.
CS1	CHEMICAL STORAGE (CHLORINE)	-	CHEMICAL SUPPLIER	BUCKETS OF CALCIUM HYPOCHLORITE PROVIDED BY OWNER'S CHEMICAL SUPPLIER.
CF2A	CHEMICAL FEED (SODIUM BISULFATE)	1	AXIALL	ACID-RITE, MODEL 2500 pH ADJUSTMENT SYSTEM, FEEDS UP TO 37.5 LBS/HR SODIUM BISULFATE, PROVIDE WITH INJECTION PUMP, BALANCE TANK, FLOWMETER, SOLENOID, ALUMINUM FRAME, PRE-PLUMBED AND PRE-WIRED.
CS2	CHEMICAL STORAGE (SODIUM BISULFATE)	-	CHEMICAL SUPPLIER	BUCKETS OF ACID-RITE SODIUM BISULFATE PROVIDED BY OWNER'S CHEMICAL SUPPLIER, SHARED WITH OTHER POOLS.
AF1A	WATER LEVEL CONTROL	1	BECS TECHNOLOGY	BECSy8 SLS SURGE LEVEL SENSOR WITH SUBMERSIBLE CABLE, MODEL #BECSy8SL-S-4-S-A, PROVIDE WITH ASCO 8221 SERIES 1.5" SLOW CLOSING SOLENOID VALVE, BRASS BODY, BUNA "N" DISC, 110 V, NORMALLY CLOSED, WATERTIGHT ENCLOSURE. NOTE: ONE LOOP POWER SUPPLY IS REQUIRED IN THE BECSy7 CONTROLLER FOR THIS 4-20 mA INPUT.
FM1A	FLOW METER (FILTRATION P1A)	1	SIGNET	2551 MAG METER, INSERTION STYLE MAGNETIC FLOW SENSOR, MODEL #3-2551-P2-12, PROVIDE WITH 10" DIAMETER PVC SADDLE INSERTION FITTING, FLOW TO BE DISPLAYED ON VFD.
FM2A	FLOW METER (FILTRATION P2A)	1	SIGNET	2551 MAG METER, INSERTION STYLE MAGNETIC FLOW SENSOR, MODEL #3-2551-P2-12, PROVIDE WITH 10" DIAMETER PVC SADDLE INSERTION FITTING, FLOW TO BE DISPLAYED ON VFD.
FM3A	FLOW METER (INLET SUPPLY P1A)	1	SIGNET	2551 MAG METER, INSERTION STYLE MAGNETIC FLOW SENSOR, MODEL #3-2551-P2-12, PROVIDE WITH 10" DIAMETER PVC SADDLE INSERTION FITTING, FLOW TO BE DISPLAYED ON VFD.
FM4A	FLOW METER (INLET SUPPLY P2A)	1	SIGNET	2551 MAG METER, INSERTION STYLE MAGNETIC FLOW SENSOR, MODEL #3-2551-P2-12, PROVIDE WITH 10" DIAMETER PVC SADDLE INSERTION FITTING, FLOW TO BE DISPLAYED ON VFD.
FM5A	FLOW METER (GUTTER SUPPLY P1A)	1	SIGNET	2551 MAG METER, INSERTION STYLE MAGNETIC FLOW SENSOR, MODEL #3-2551-P2-12, PROVIDE WITH 10" DIAMETER PVC SADDLE INSERTION FITTING, FLOW TO BE DISPLAYED ON VFD.
FM6A	FLOW METER (GUTTER SUPPLY P2A)	1	SIGNET	2551 MAG METER, INSERTION STYLE MAGNETIC FLOW SENSOR, MODEL #3-2551-P2-12, PROVIDE WITH 10" DIAMETER PVC SADDLE INSERTION FITTING, FLOW TO BE DISPLAYED ON VFD.
EV1A	ELECTRONIC MAIN DRAIN VALVE	1	ASAHI	MODEL #HC-100 AND SERIES 92 ELECTRICAL ACTUATOR WITH BATTERY BACK UP AND MANUAL OVERRIDE
EV2A	ELECTRONIC MAIN DRAIN VALVE	1	ASAHI	MODEL #HC-100 AND SERIES 92 ELECTRICAL ACTUATOR WITH BATTERY BACK UP AND MANUAL OVERRIDE
DA1A	DIVE SPARGER SYSTEM	1	WHITTEN	COMPLETE SPARGER SYSTEM INCLUDING 20 HP COMPRESSOR, 600 GALLON RECEIVER TANK, CONTROL PANEL WITH REMOTE CONTROL, VALVE MANIFOLD, PRESSURE SWITCHES AND DISTRIBUTION MANIFOLD. REFER TO ARCHITECTURAL DRAWING SHEET A101A - KEY NOTE 268 FOR RECESSED SPARGER CONTROL PANEL LOCATION.

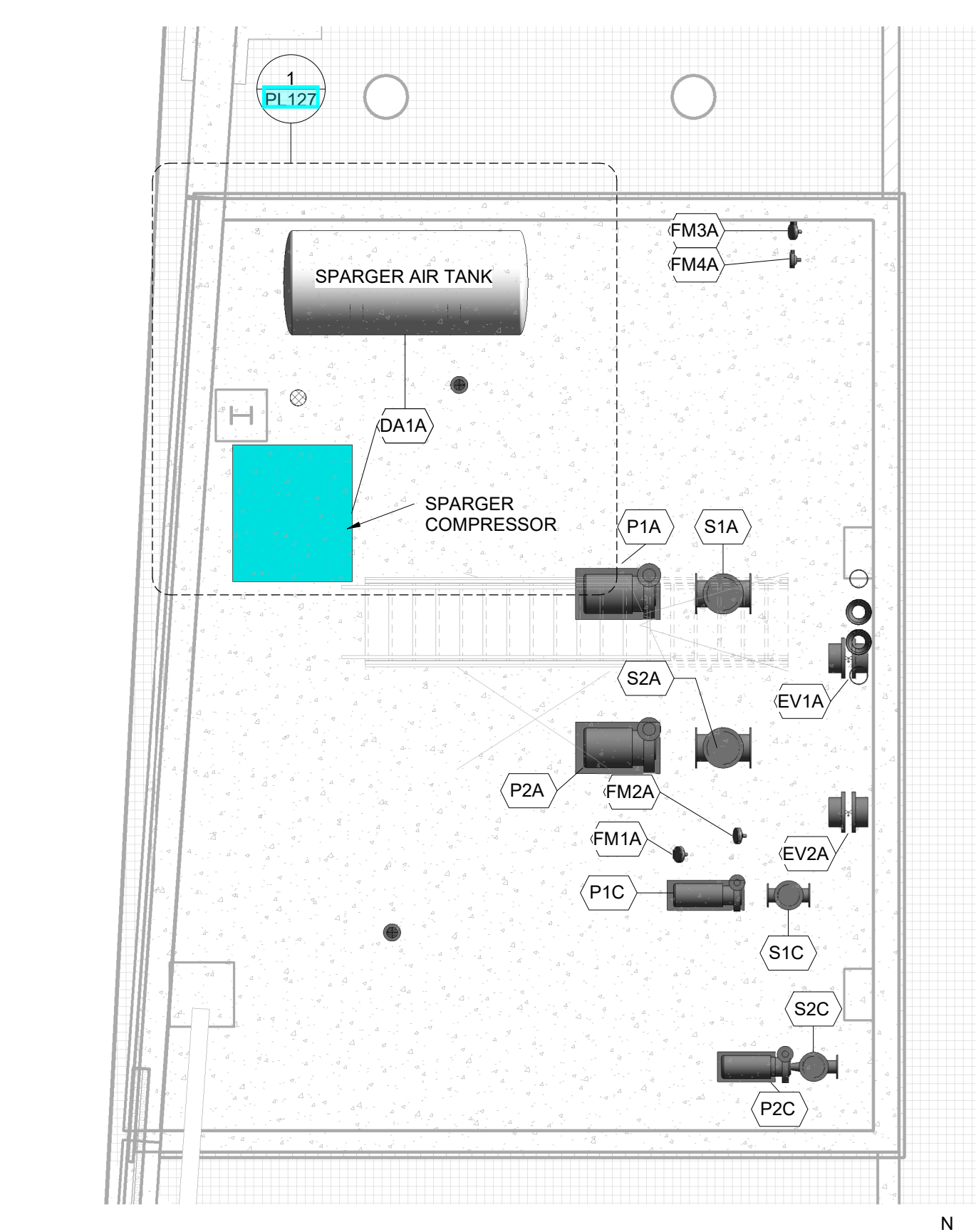
POOL C - WHIRLPOOL MECHANICAL EQUIPMENT SCHEDULE				
ID	ITEM	QTY.	MANUFACTURER	BASIS OF DESIGN
P1C	FILTRATION PUMP	1	AURORA PUMP	341A, 2.5x3x9, 15 HP, 230/460 VOLT, 3 PHASE, 1750 RPM, 292 GPM @ 70' TDH, TEFC MOTOR, END SUCTION, CLOSE COUPLED, BRONZE FITTED, EPOXY COATED VOLUTE, TO INCLUDE PENTAIR ACU-DRIVE VFD WITH MANUAL BYPASS. SEE VFD SPECIFICATIONS IN PROJECT MANUAL.
P2C	JET PUMP	1	AURORA PUMP	341A, 4x5x9a, 10 HP, 230/460 VOLT, 3 PHASE, 1750 RPM, 360 GPM @ 70' TDH, TEFC MOTOR, END SUCTION, CLOSE COUPLED, BRONZE FITTED, EPOXY COATED VOLUTE, TO INCLUDE PENTAIR ACU-DRIVE VFD WITH MANUAL BYPASS. SEE VFD SPECIFICATIONS IN PROJECT MANUAL.
S1C	STRAINER	1	NEPTUNE BENSON, INC	6" STRAIGHT BASKET STRAINER STAINLESS STEEL BODY, TRANSPARENT ACRYLIC LID, STAINLESS STEEL BASKET. PROVIDE WITH EXTRA STAINLESS STEEL BASKET AND ECCENTRIC REDUCING PRECOAT TEE.
S2C	STRAINER	1	NEPTUNE BENSON, INC	6"x6" ECCENTRIC REDUCING BASKET STRAINER, STAINLESS STEEL BODY, TRANSPARENT ACRYLIC LID, STAINLESS STEEL BASKET. PROVIDE WITH EXTRA STAINLESS STEEL BASKET.
F1C	FILTER	1	NEPTUNE BENSON, INC	REGENERATIVE MEDIA FILTER, MODEL SP-29-36-450, 263 SQUARE FEET OF FILTER AREA, 1.10 GPM/S.F. OF FILTER AREA, PROVIDE WITH PERLITE MEDIA OR APPROVED EQUAL.
AC1	AIR COMPRESSOR	1	NEPTUNE BENSON, INC	SHARED WITH POOL A
UV1C	U.V. CHAMBER	1	ETS	MODEL ECF215-6V, 6" CONNECTIONS, 480 V, 60 Hz, 3 PHASE, 3 kW, PROVIDE WITH ETS "EZ" STRAINER VALVE THAT MATCHES THE PIPE SIZE OF THE FILTRATION MAIN.
H2C	HEATER	1	LOCHINVAR	ENERGYRITE ERN402-A, 399,999 BTU/HOUR INPUT, 3/4" GAS CONNECTION, 2" WATER CONNECTION, 6" DIAMETER FLUE, PROVIDE WITH SVK 3067 VENT KIT MODEL RCP 302-402, CUPRO NICKEL HEAT EXCHANGER, MANUAL RESET HIGH LIMIT AND MULTI-STACK STAND. FURTHER PROVIDE WITH A.S.M.E. CONSTRUCTION, PRESSURE RELIEF VALVE, FLOW SWITCH, OPTIONAL PUMP ON/OFF RELAY, AND ALL SAFETY DEVICE PACKAGES PER STATE AND LOCAL CODES. PROVIDE WITH 2" FLOWVIS FLOWMETER ON HEATER INFLUENT PIPING AS SHOWN IN DETAIL.
C1C	CHEMICAL CONTROLLER	1	BECS TECHNOLOGY	BECSy7 CONTROLLER: CONTINUOUS MONITORING AND CONTROL. SEE CHEMICAL CONTROLLER SPECIFICATIONS FOR SPECIFICS.
CF1C	CHEMICAL FEED (CHLORINE)	1	AXIAL	ACCUTAB (PPG INDUSTRIES, INC.) MODEL: POWERBASE 1030 CHLORINATOR, FEEDS UP TO 2.8 LBS/HR CHLORINE. PROVIDE WITH INJECTION PUMP, POLYETHYLENE BALANCE TANK, FLOWMETER, SOLENOID, ALUMINUM FRAME, PRE-PLUMBED AND PRE-WIRED.
CS1	CHEMICAL STORAGE (CHLORINE)	-	CHEMICAL SUPPLIER	BUCKETS OF CALCIUM HYPOCHLORITE PROVIDED BY OWNER'S CHEMICAL SUPPLIER.
CF2C	CHEMICAL FEED (SODIUM BISULFATE)	1	AXIALL	ACID-RITE, MODEL 450 pH ADJUSTMENT SYSTEM, FEEDS UP TO 12LBS/HR SODIUM BISULFATE, PROVIDE WITH INJECTION PUMP, BALANCE TANK, FLOWMETER, SOLENOID, ALUMINUM FRAME, PRE-PLUMBED AND PRE-WIRED.
CS2	CHEMICAL STORAGE (SODIUM BISULFATE)	-	CHEMICAL SUPPLIER	BUCKETS OF ACID-RITE SODIUM BISULFATE PROVIDED BY OWNER'S CHEMICAL SUPPLIER, SHARED WITH OTHER POOLS.
AF1C	WATER LEVEL CONTROL	1	B.W. CONTROLS	#6200-LF-M4 RELAY, #6012-KF3-RC ELECTRODE HOLDER, #6013-SS-X-C ELECTRODES, (1) ASCO 8221 SERIES 1.5" SLOW CLOSING BRASS BODY, BUNA "N" SEALS AND DISCS, NORMALLY CLOSED, WATERTIGHT ENCLOSURE.
FM1C	FLOW METER	1	SIGNET	2551 MAG METER, INSERTION STYLE MAGNETIC FLOW SENSOR, MODEL #3-2551-P1-12, PROVIDE WITH 4" DIAMETER PVC SADDLE INSERTION FITTING, FLOW TO BE DISPLAYED ON VFD.



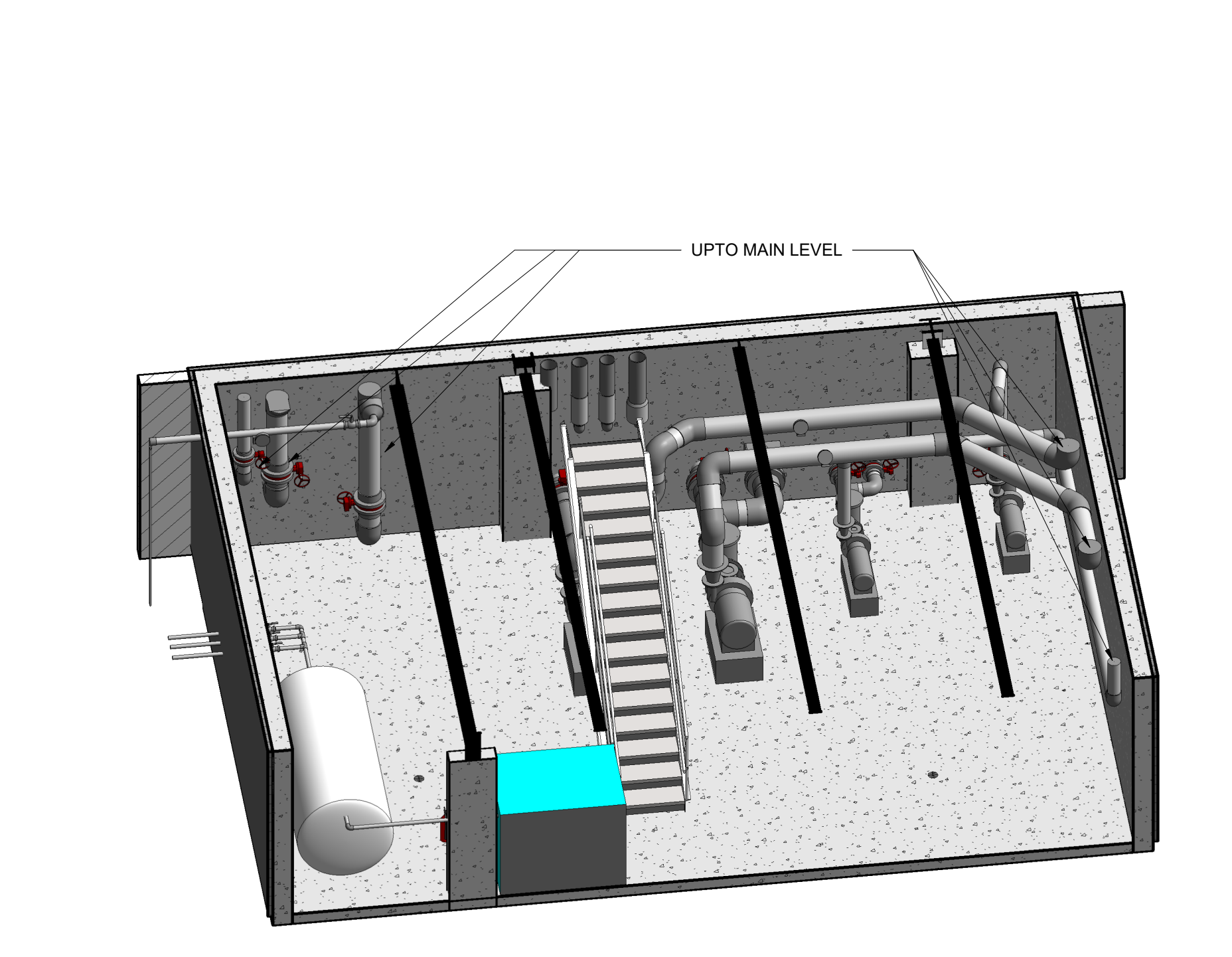
2 COMPETITION/WHIRLPOOL UPPER LEVEL  
3/16" = 1'-0"



1 COMPETITION/WHIRLPOOL UPPER PERSPECTIVE VIEW



4 COMPETITION/WHIRLPOOL LOWER LEVEL  
3/16" = 1'-0"



3 COMPETITION/WHIRLPOOL LOWER PERSPECTIVE VIEW

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SUBMITTAL HISTORY	
DATE	DESCRIPTION
13 JUNE 2019	IFC

PROFESSIONAL SEALS  
BRIAN W. FRISER  
No. 0402 032975

**NORTH MECHANICAL ROOM EQUIPMENT LAYOUT**

DRAWN BY	CHECKED BY
Author	Checker
PROJECT NUMBER 717030	PROJECT ABBREVIATION LBP
ORIGINAL ISSUE	DATE
IFC	13 JUNE 2019

**PL400**  
SHEET NUMBER



POOL B-LEISURE DATA		
DESCRIPTION	QTY	UNITS
POOL PERIMETER	217	FEET
WATER SURFACE AREA	5,882	SQUARE FEET
POOL VOLUME	148,346	GALLONS
SURGE TANK - POOL SURGE VOLUME	6,284	GALLONS
SURGE FACTOR	1.1	GAL/SFT
CIRCULATION RATE	1,106	GPM
TURNOVERVOLUME/FLOW	60 MIN.	25,359 GAL. 423 GPM
TURNOVERVOLUME/FLOW	180 MIN.	122,987 GAL. 683 GPM
FILTRATION RATE	0.91	GPM/FT <sup>2</sup>
FILTER DRAIN RATE	300	GPM
PATRON LOAD	218	PERSONS

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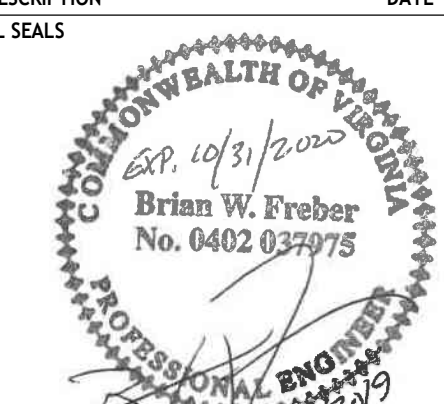
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SUBMITTAL HISTORY

NO.	DATE	DESCRIPTION
1	13 JUNE 2019	IFC

PROFESSIONAL SEALS  
  
 Brian W. Freber  
 No. 0402 032975

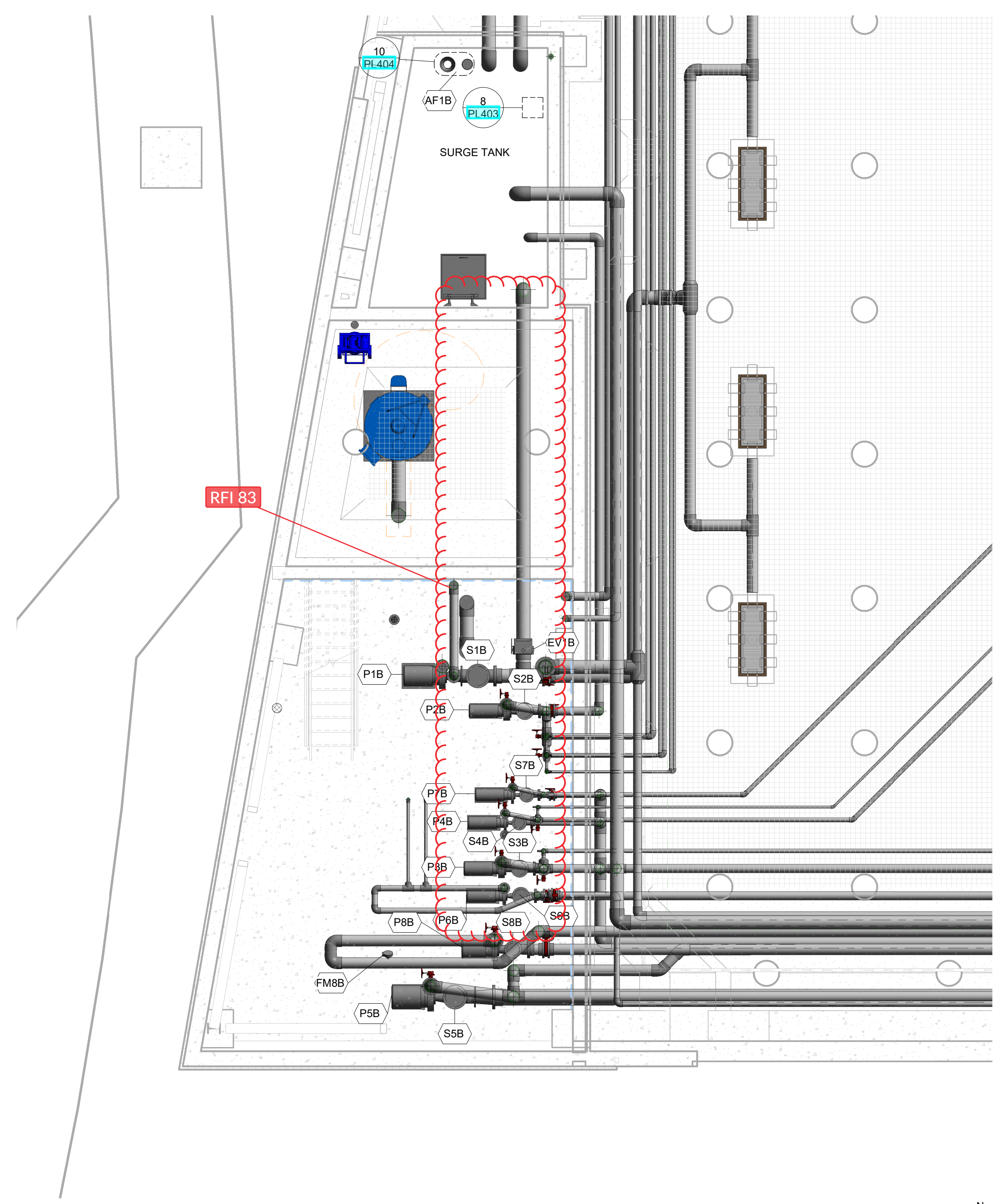
**SOUTH MECHANICAL ROOM  
EQUIPMENT LAYOUT**

DRAWN BY: Author  
 PROJECT NUMBER: 717030  
 ORIGINAL ISSUE: IFC  
 CHECKED BY: Checker  
 PROJECT ABBREVIATION: LBP  
 DATE: 13 JUNE 2019

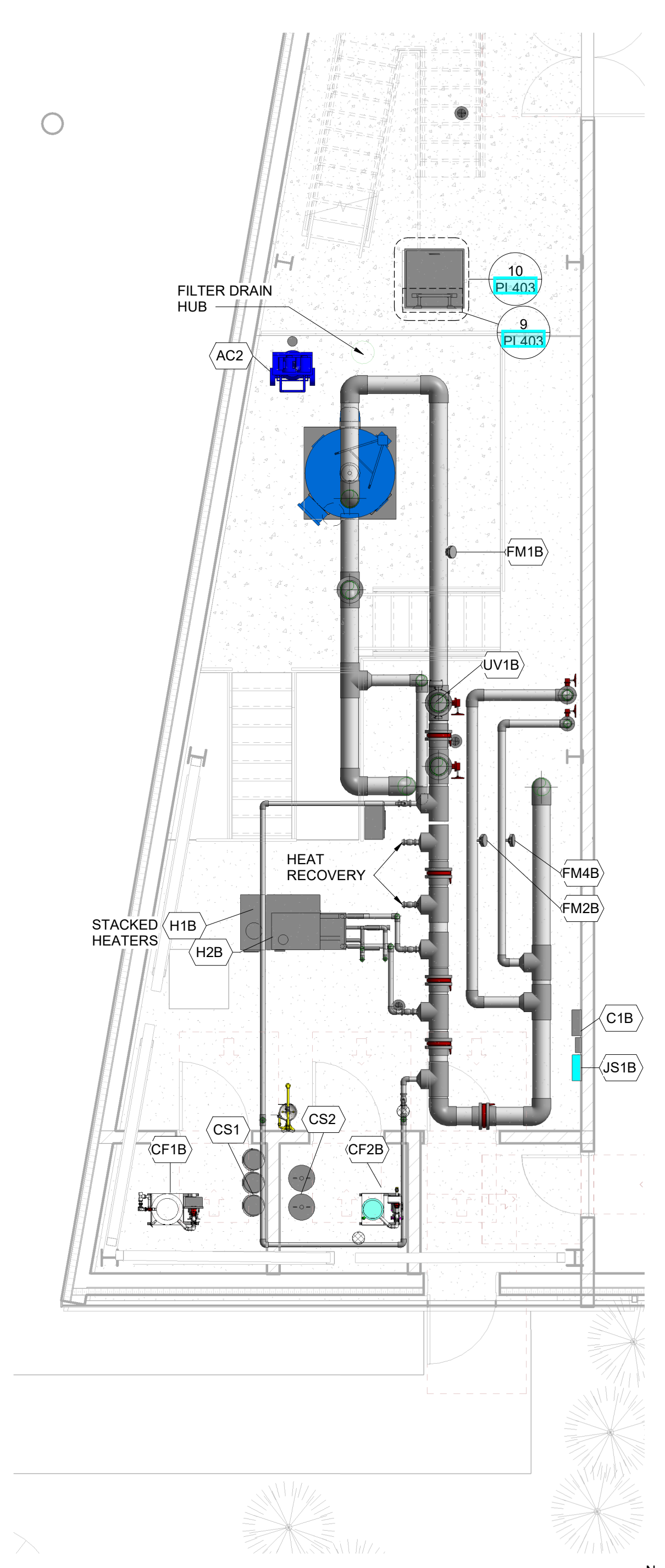
**PL401**  
SHEET NUMBER

**POOL B - LIFESTYLE POOL MECHANICAL EQUIPMENT SCHEDULE**

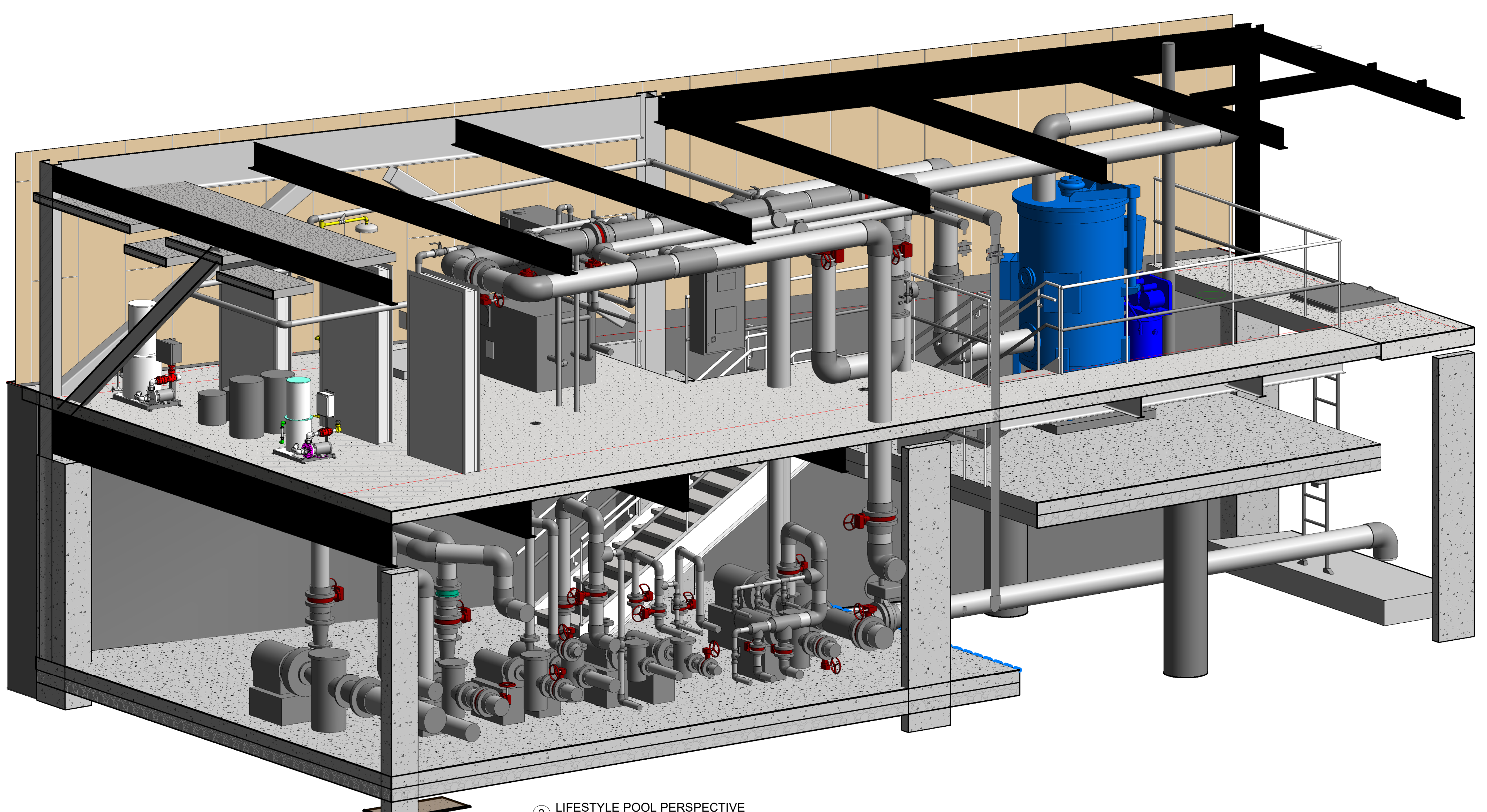
ID	ITEM	QTY.	MANUFACTURER	BASIS OF DESIGN
P1B	FILTRATION PUMP	1	AURORA PUMP	341A, 56x11, 30 HP, 230/460 VOLT, 3 PHASE, 1750 RPM, 1114 GPM, @ 70' TDH, TEFC MOTOR, END SUCTION, CLOSE COUPLED, BRONZE FITTED, EPOXY COATED VOLUTE, TO INCLUDE PENTAIR ACU-DRIVE VFD WITH MANUAL BYPASS. SEE VFD SPECIFICATIONS IN PROJECT MANUAL.
P2B	ZERO DEPTH ACTIVITY PUMP	1	AURORA PUMP	341A, 4x56x9a, 10 HP, 230/460 VOLT, 3 PHASE, 1750 RPM, 409 GPM, @ 55' TDH, TEFC MOTOR, END SUCTION, CLOSE COUPLED, BRONZE FITTED, EPOXY COATED VOLUTE, TO INCLUDE PENTAIR ACU-DRIVE VFD. SEE VFD SPECIFICATIONS IN PROJECT MANUAL.
P3B	PLAY STRUCTURE ACTIVITY PUMP	1	AURORA PUMP	341A, 4x56x9a, 10 HP, 230/460 VOLT, 3 PHASE, 1750 RPM, 473 GPM, @ 60' TDH, TEFC MOTOR, END SUCTION, CLOSE COUPLED, BRONZE FITTED, EPOXY COATED VOLUTE, TO INCLUDE PENTAIR ACU-DRIVE VFD. SEE VFD SPECIFICATIONS IN PROJECT MANUAL.
P4B	RIVER ACTIVITY PUMP	1	AURORA PUMP	341A, 2x2.5x9, 7.5 HP, 230/460 VOLT, 3 PHASE, 1750 RPM, 170 GPM, @ 70' TDH, TEFC MOTOR, END SUCTION, CLOSE COUPLED, BRONZE FITTED, EPOXY COATED VOLUTE, TO INCLUDE PENTAIR ACU-DRIVE VFD. SEE VFD SPECIFICATIONS IN PROJECT MANUAL.
P5B	RIVER PROPULSION PUMP	1	AURORA PUMP	341A, 6x6x11, 40 HP, 230/460 VOLT, 3 PHASE, 1750 RPM, 1500 GPM, @ 70' TDH, TEFC MOTOR, END SUCTION, CLOSE COUPLED, BRONZE FITTED, EPOXY COATED VOLUTE, TO INCLUDE PENTAIR ACU-DRIVE VFD. SEE VFD SPECIFICATIONS IN PROJECT MANUAL.
P6B	HEATED JET PUMP	1	AURORA PUMP	341A, 2x2.5x9, 15 HP, 230/460 VOLT, 3 PHASE, 1750 RPM, 260 GPM, @ 70' TDH, TEFC MOTOR, END SUCTION, CLOSE COUPLED, BRONZE FITTED, EPOXY COATED VOLUTE, TO INCLUDE PENTAIR ACU-DRIVE VFD. SEE VFD SPECIFICATIONS IN PROJECT MANUAL.
P7B	THERAPY PUMP	1	AURORA PUMP	341A, 2x2.5x9, 5 HP, 230/460 VOLT, 3 PHASE, 1750 RPM, 120 GPM, @ 55' TDH, TEFC MOTOR, END SUCTION, CLOSE COUPLED, BRONZE FITTED, EPOXY COATED VOLUTE, TO INCLUDE PENTAIR ACU-DRIVE VFD. SEE VFD SPECIFICATIONS IN PROJECT MANUAL.
P8B	SLIDE PUMP	1	AURORA PUMP	341A, 6x6x9, 15 HP, 230/460 VOLT, 3 PHASE, 1750 RPM, 800 GPM, @ 50' TDH, TEFC MOTOR, END SUCTION, CLOSE COUPLED, BRONZE FITTED, EPOXY COATED VOLUTE, TO INCLUDE PENTAIR ACU-DRIVE VFD. SEE VFD SPECIFICATIONS IN PROJECT MANUAL.
S1B	STRAINER	1	NEPTUNE BENSON, INC	10" STRAIGHT BASKET STRAINER, FIBERGLASS BODY, TRANSPARENT ACRYLIC LID, STAINLESS STEEL BASKET. PROVIDE WITH EXTRA STAINLESS STEEL BASKET AND ECCENTRIC REDUCING PRE-COAT TEE.
S2B	STRAINER	1	NEPTUNE BENSON, INC	6"x6" ECCENTRIC REDUCING BASKET STRAINER, FIBERGLASS BODY, TRANSPARENT ACRYLIC LID, STAINLESS STEEL BASKET. PROVIDE WITH EXTRA STAINLESS STEEL BASKET.
S3B	STRAINER	1	NEPTUNE BENSON, INC	6"x6" ECCENTRIC REDUCING BASKET STRAINER, FIBERGLASS BODY, TRANSPARENT ACRYLIC LID, STAINLESS STEEL BASKET. PROVIDE WITH EXTRA STAINLESS STEEL BASKET.
S4B	STRAINER	1	NEPTUNE BENSON, INC	4"x2.5" ECCENTRIC REDUCING BASKET STRAINER, FIBERGLASS BODY, TRANSPARENT ACRYLIC LID, STAINLESS STEEL BASKET. PROVIDE WITH EXTRA STAINLESS STEEL BASKET.
S5B	STRAINER	1	NEPTUNE BENSON, INC	10"x6" ECCENTRIC REDUCING BASKET STRAINER, FIBERGLASS BODY, TRANSPARENT ACRYLIC LID, STAINLESS STEEL BASKET. PROVIDE WITH EXTRA STAINLESS STEEL BASKET.
S6B	STRAINER	1	NEPTUNE BENSON, INC	6"x3" ECCENTRIC REDUCING BASKET STRAINER, FIBERGLASS BODY, TRANSPARENT ACRYLIC LID, STAINLESS STEEL BASKET. PROVIDE WITH EXTRA STAINLESS STEEL BASKET.
S7B	STRAINER	1	NEPTUNE BENSON, INC	4"x2.5" ECCENTRIC REDUCING BASKET STRAINER, FIBERGLASS BODY, TRANSPARENT ACRYLIC LID, STAINLESS STEEL BASKET. PROVIDE WITH EXTRA STAINLESS STEEL BASKET.
S8B	STRAINER	1	NEPTUNE BENSON, INC	8"x6" ECCENTRIC REDUCING BASKET STRAINER, FIBERGLASS BODY, TRANSPARENT ACRYLIC LID, STAINLESS STEEL BASKET. PROVIDE WITH EXTRA STAINLESS STEEL BASKET.
F1B	FILTER	1	NEPTUNE BENSON, INC	REGENERATIVE MEDIA FILTER, MODEL SP49-48-1548, 1211 SQUARE FEET OF FILTER AREA, 0.92 GPM/S.F. OF FILTER AREA, PROVIDE WITH PERLITE MEDIA OR APPROVED EQUAL.
AC2	AIR COMPRESSOR	1	NEPTUNE BENSON, INC	DEFENDER COMPRESSOR AND WATER SEPARATOR, 2HP, 1 PHASE, 120V, 135 PSI MAXIMUM PRESSURE, 30 GALLON TANK, CAST IRON TWIN CYLINDER COMPRESSOR PUMP, PART #1213, WATER SEPARATOR MODEL AMG50, 1/2" PORT SIZE.
UV1B	U.V. CHAMBER	1	ETS	MODEL ECP230-12V, 12" CONNECTIONS, 480V, 60 Hz, 3 PHASE, 6 kW PROVIDE WITH ETS "EZ" STRAINER VALVE THAT MATCHES THE PIPE SIZE OF THE FILTRATION MAIN.
H1B	HEATER	1	LOCHINVAR	COPPERFIN 2, MODEL CPN0991, 0.99 MBTU/HOUR INPUT, 2" GAS CONNECTION, 2.5" WATER CONNECTION, 10" DIAMETER FLUE, PROVIDE WITH HOK 3037 VENT KIT MODEL#CP982, CUPRO NICKEL HEAT EXCHANGER, MANUAL RESET HIGH LIMIT AND MULTI-STACK STAND. FURTHER PROVIDE WITH A S.M.E. LABEL, RELIEF VALVE, FLOW SWITCH, OPTIONAL PUMP ON/OFF RELAY, AND ALL SAFETY DEVICE PACKAGES PER STATE AND LOCAL CODES. PROVIDE WITH 2.5" FLOWVIS FLOWMETER ON HEATER INFLUENT PIPING AS SHOWN IN DETAIL.
H2B	HYDRO-JET HEATER	1	LOCHINVAR	ENERGYRITE ERN403-A, 399,999 BTU/HOUR INPUT, 3/4" GAS CONNECTION, 2" WATER CONNECTION, 6" DIAMETER FLUE, PROVIDE WITH SVK 3067 VENT KIT MODEL#ER302-402, CUPRO NICKEL HEAT EXCHANGER, MANUAL RESET HIGH LIMIT AND MULTI-STACK STAND. FURTHER PROVIDE WITH A S.M.E. CONSTRUCTION, PRESSURE RELIEF VALVE, FLOW SWITCH, OPTIONAL PUMP ON/OFF RELAY, AND ALL SAFETY DEVICE PACKAGES PER STATE AND LOCAL CODES. PROVIDE WITH 2" FLOWVIS FLOWMETER ON HEATER INFLUENT PIPING AS SHOWN IN DETAIL.
C1B	CHEMICAL CONTROLLER	1	BECS TECHNOLOGY	BECSys7 CONTROLLER: CONTINUOUS MONITORING AND CONTROL. SEE CHEMICAL CONTROLLER SPECIFICATIONS.
CF1B	CHEMICAL FEED (CHLORINE)	1	AXIAL	ACDUTAB (PPO INDUSTRIES, INC.) MODEL POWERBASE 3070AT CHLORINATOR, FEEDS UP TO 10.2 LBS/HR CHLORINE, PROVIDE WITH INJECTION PUMP, BALANCE TANK, FLOWMETER, SOLENOID, ALUMINUM FRAME, PRE-PLUMBED AND PRE-WIRED.
CS1	CHEMICAL STORAGE (CHLORINE)	-	CHEMICAL SUPPLIER	BUCKETS OF CALCIUM HYPOCHLORITE PROVIDED BY OWNER'S CHEMICAL SUPPLIER.
CF2B	CHEMICAL FEED (SODIUM BISULFATE)	1	AXIAL	ACID-RITE, MODEL 2500 pH ADJUSTMENT SYSTEM, FEEDS UP TO 37.5 LBS/HR SODIUM BISULFATE, PROVIDE WITH INJECTION PUMP, BALANCE TANK, FLOWMETER, SOLENOID, ALUMINUM FRAME, PRE-PLUMBED AND PRE-WIRED.
CS2	CHEMICAL STORAGE (SODIUM BISULFATE)	-	CHEMICAL SUPPLIER	BUCKETS OF ACID-RITE SODIUM BISULFATE PROVIDED BY OWNER'S CHEMICAL SUPPLIER, SHARED WITH OTHER POOLS.
AF1B	WATER LEVEL CONTROL	1	BECS TECHNOLOGY	BECSys SLS SURGE LEVEL SENSOR WITH SUBMERSIBLE CABLE: MODEL BECSysSLS-4-S-A. PROVIDE WITH ASCO 822T 1.5" SLOW CLOSING SOLENOID VALVE, BRASS BODY, Buna N" DISC, 110 V, NORMALLY CLOSED, WATER TIGHT ENCLOSURE. NOTE: ONE LOOP POWER SUPPLY IS REQUIRED IN THE BECSys7 CONTROLLER FOR THIS 4-20 mA INPUT.
FM1B	FLOW METER (FILTRATION)	1	SIGNET	2551 MAG METER, INSERTION STYLE MAGNETIC FLOW SENSOR, MODEL 3-2551-P1-12 PROVIDE WITH 8" DIAMETER PVC SADDLE INSERTION FITTING. FLOW TO BE DISPLAYED ON VFD.
FM2B	FLOW METER (FILTRATION)	1	SIGNET	2551 MAG METER, INSERTION STYLE MAGNETIC FLOW SENSOR, MODEL 3-2551-P1-12 PROVIDE WITH 8" DIAMETER PVC SADDLE INSERTION FITTING. FLOW TO BE DISPLAYED ON VFD.
FM3B	FLOW METER (FILTRATION)	1	SIGNET	2551 MAG METER, INSERTION STYLE MAGNETIC FLOW SENSOR, MODEL 3-2551-P1-12 PROVIDE WITH 8" DIAMETER PVC SADDLE INSERTION FITTING. FLOW TO BE DISPLAYED ON VFD.
FM4B	FLOW METER (FILTRATION)	1	SIGNET	2551 MAG METER, INSERTION STYLE MAGNETIC FLOW SENSOR, MODEL 3-2551-P1-12 PROVIDE WITH 8" DIAMETER PVC SADDLE INSERTION FITTING. FLOW TO BE DISPLAYED ON VFD.
FM5B	FLOW METER (SLIDE)	1	SIGNET	2551 MAG METER, INSERTION STYLE MAGNETIC FLOW SENSOR, MODEL 3-2551-P1-12 PROVIDE WITH 8" DIAMETER PVC SADDLE INSERTION FITTING. FLOW TO BE DISPLAYED ON VFD.
EV1B	ELECTRONIC MAIN DRAIN VALVE	1	ASAHI	MODEL DHC-100 AND SERIES 92 ELECTRICAL ACTUATOR WITH BATTERY BACK UP AND MANUAL OVERRIDE
JS1B	JET CONTROL SWITCH AND PROGRAMMER	1	VORTEX	VOR 104 000R3, 120/240, 4 OUTPUT CONTROLLER TO JET PUMP VFD. CONTROLLER TO BE PRE-PROGRAMMED FROM FACTORY FOR "ON-OFF" WITH A MAX 15 MINUTE INTERVALS FROM INITIATION OF ACTIVATION, REMOTE SWITCH MODEL #VOR 0606



1 LIFESTYLE POOL LOWER LEVEL  
3/16" = 1'-0"



2 LIFESTYLE POOL UPPER LEVEL  
3/16" = 1'-0"

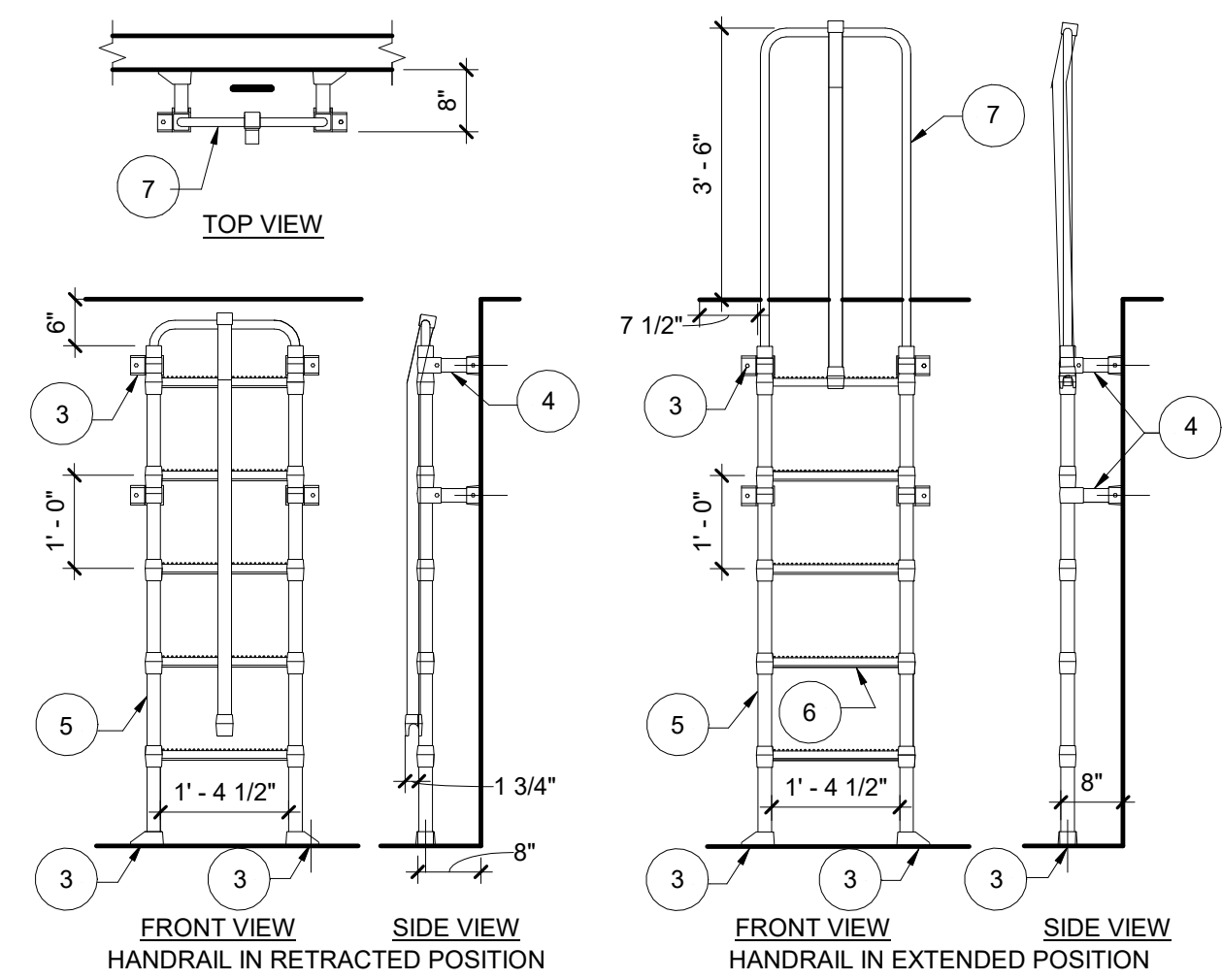


3 LIFESTYLE POOL PERSPECTIVE

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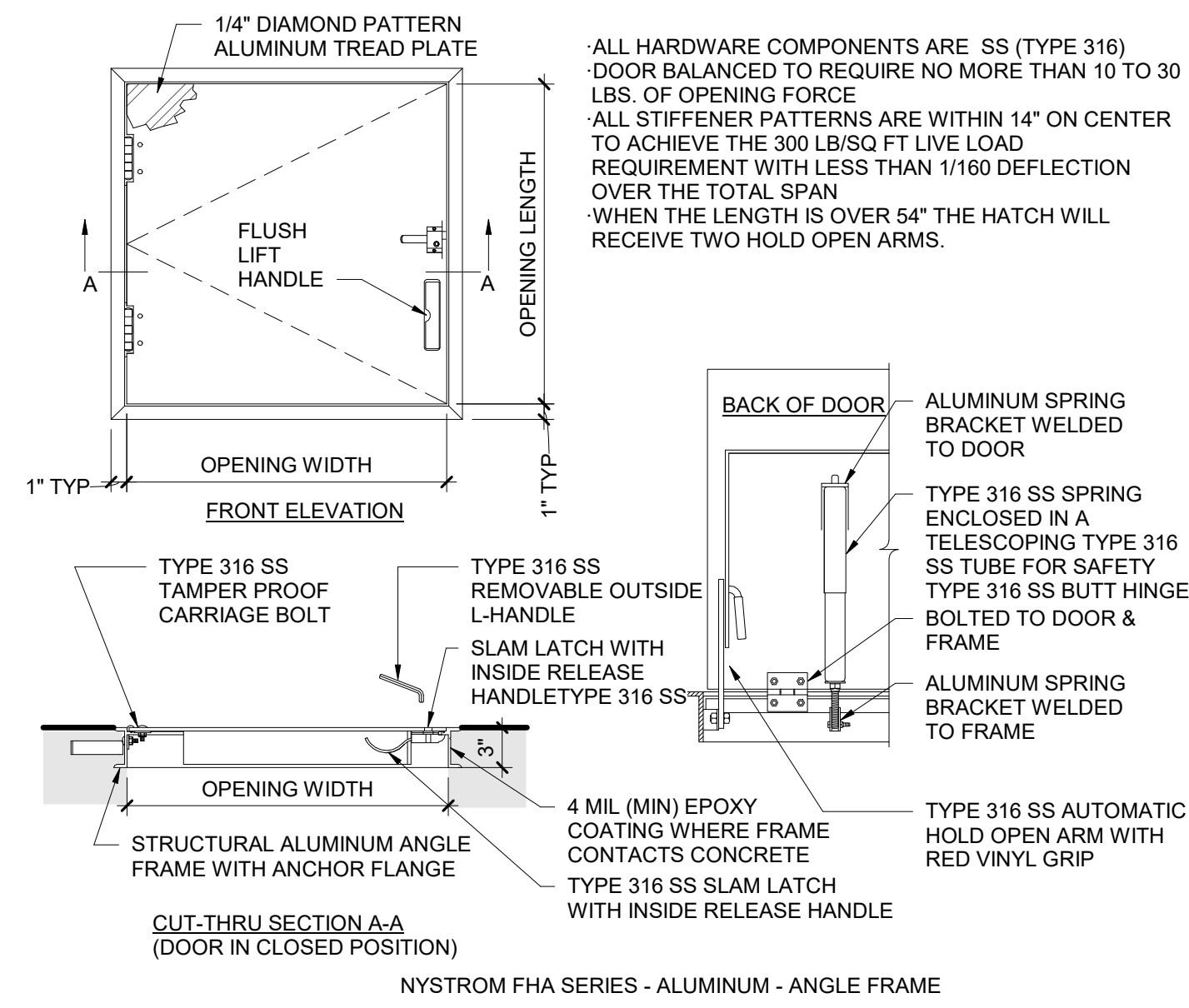
TRUE NORTH



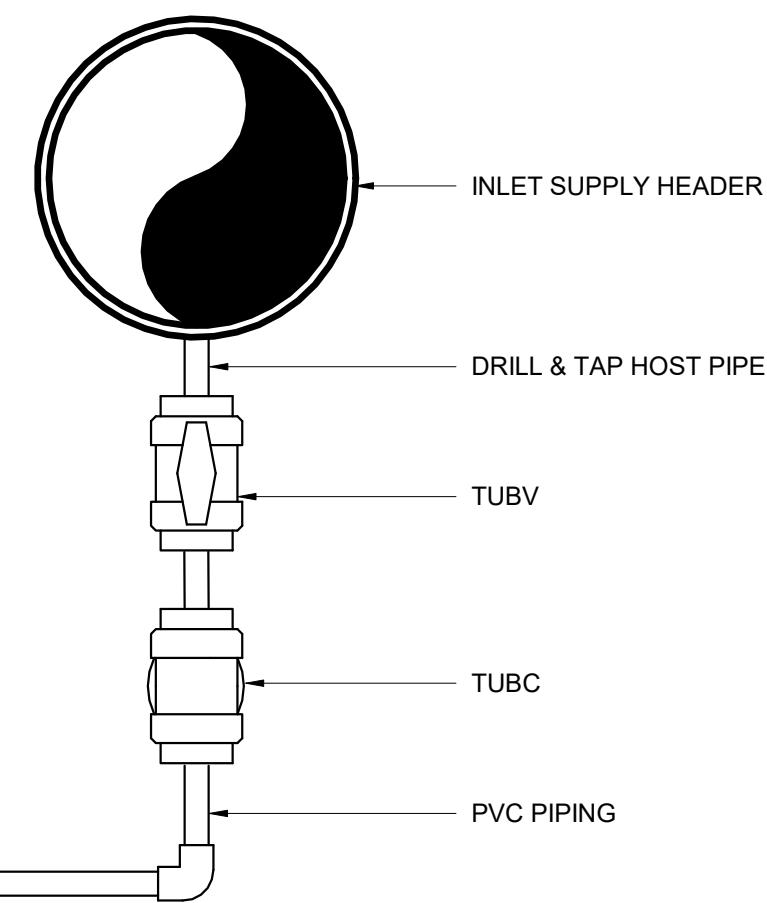


- KEYED NOTES:**
- LADDERS WITH PULL-UP HANDRAIL, AVAILABLE IN 5 RUNG THROUGH 25 RUNG.
  - POLYPROPYLENE CONFORMS TO ASTM D-4101. LADDERS MEET ALL ASTM C-497 LOAD REQUIREMENTS & OSHA 1910.26 & 1910.27 SPECIFICATIONS.
  - FASTEN LADDER TO FLOOR & WALL WITH 3/16" X 5/8" ANCHORS. ANCHORS TO BE INSTALLED PER MANUFACTURERS INSTRUCTIONS.
  - STANDARD ADJUSTABLE MOUNTING BRACKET - 8" OD.
  - ALUMINUM REINFORCED COPOLYMER POLYPROPYLENE RAIL, 1-3/4" x 1-3/4" DIA.
  - STEEL REINFORCED COPOLYMER POLYPROPYLENE RUNG 1-5/8" x 1-1/4" DIA WITH MOLDED FINGER GRIPS, 12" OC.
  - ALUMINUM & STEEL REINFORCED COPOLYMER POLYPROPYLENE PULL-UP HANDRAIL, LADDER MANUFACTURED BY LANE INTERNATIONAL CORPORATION, P.O. BOX 925, TUALATIN, OREGON 800-666-0076

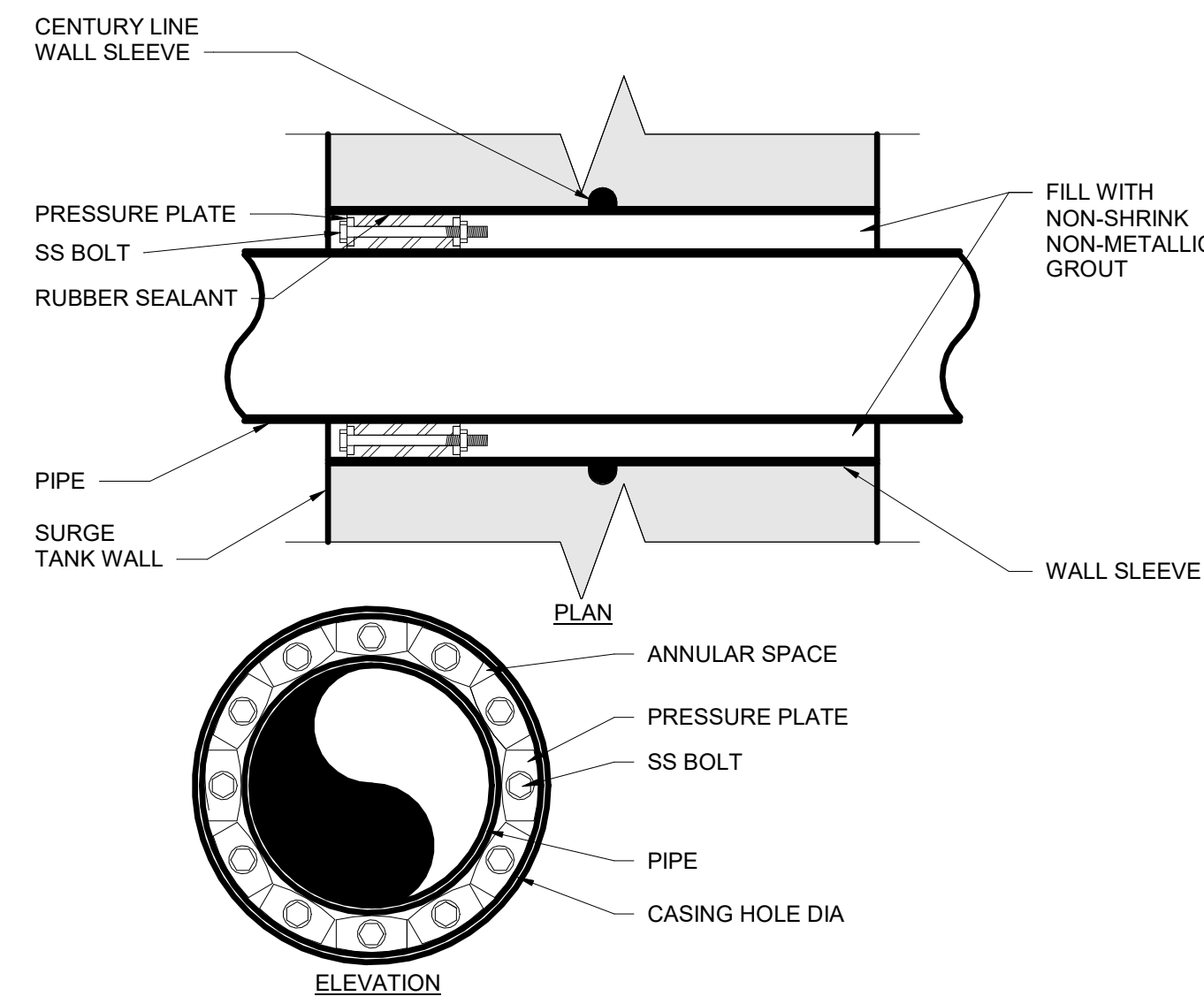
9 ACCESS LADDER NOT TO SCALE



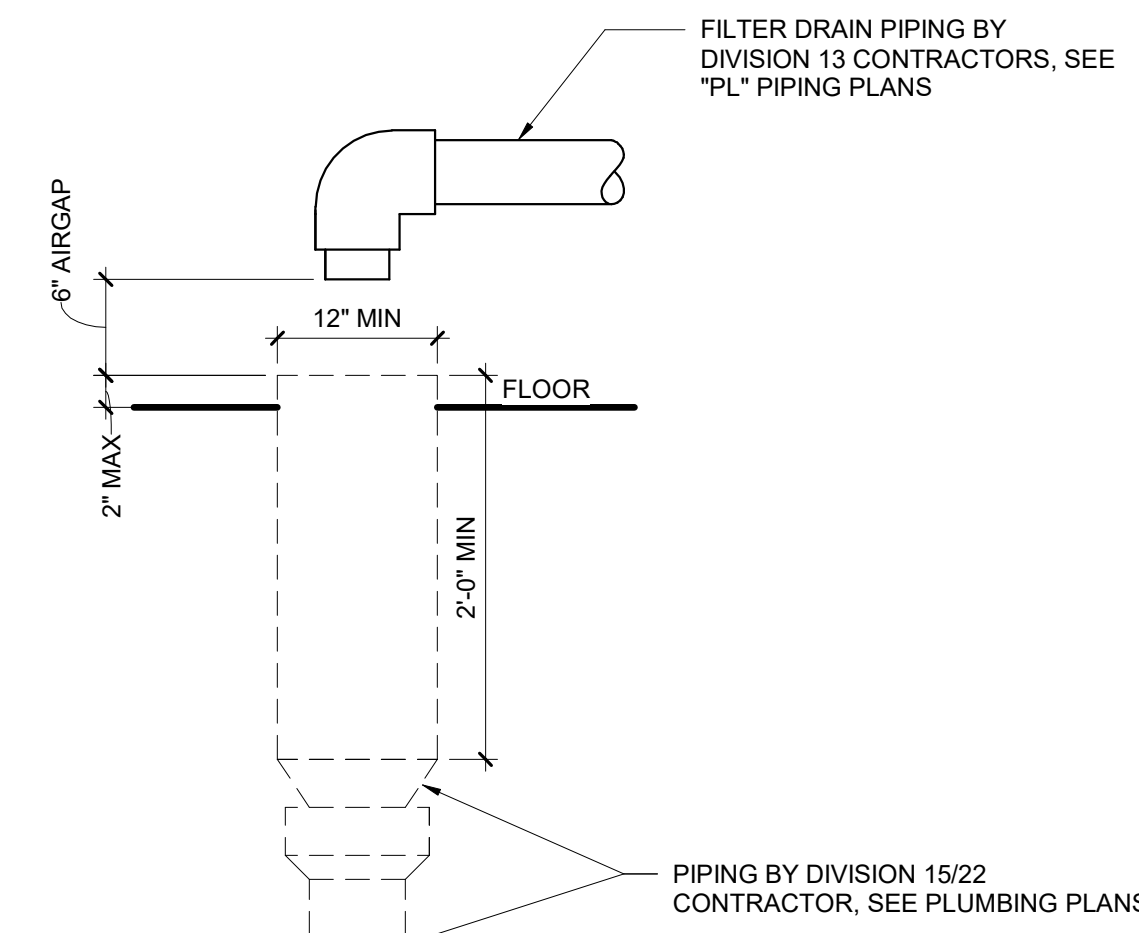
10 ACCESS HATCH (36" x 36") NOT TO SCALE



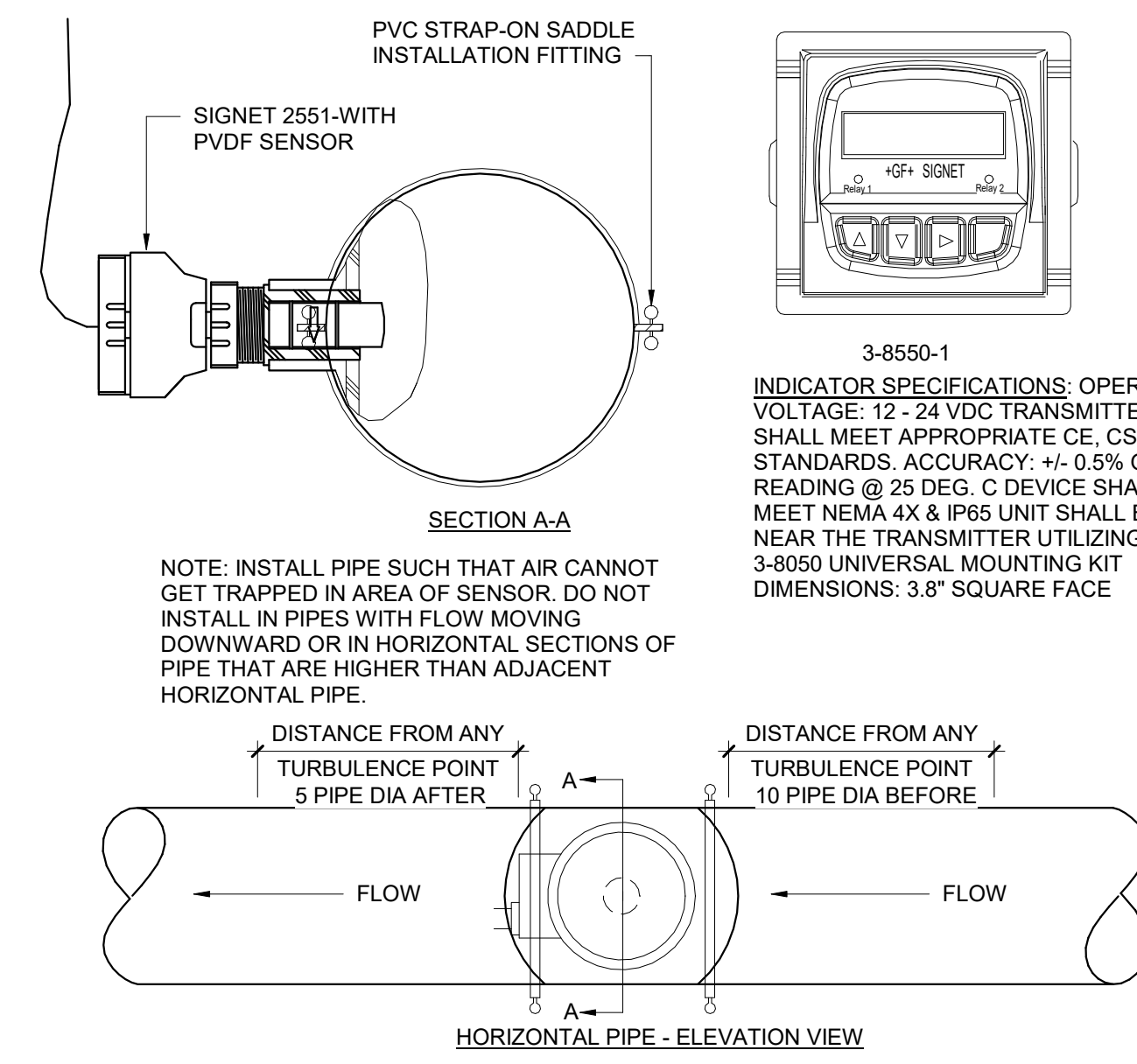
11 CHEMICAL SAMPLING NOT TO SCALE



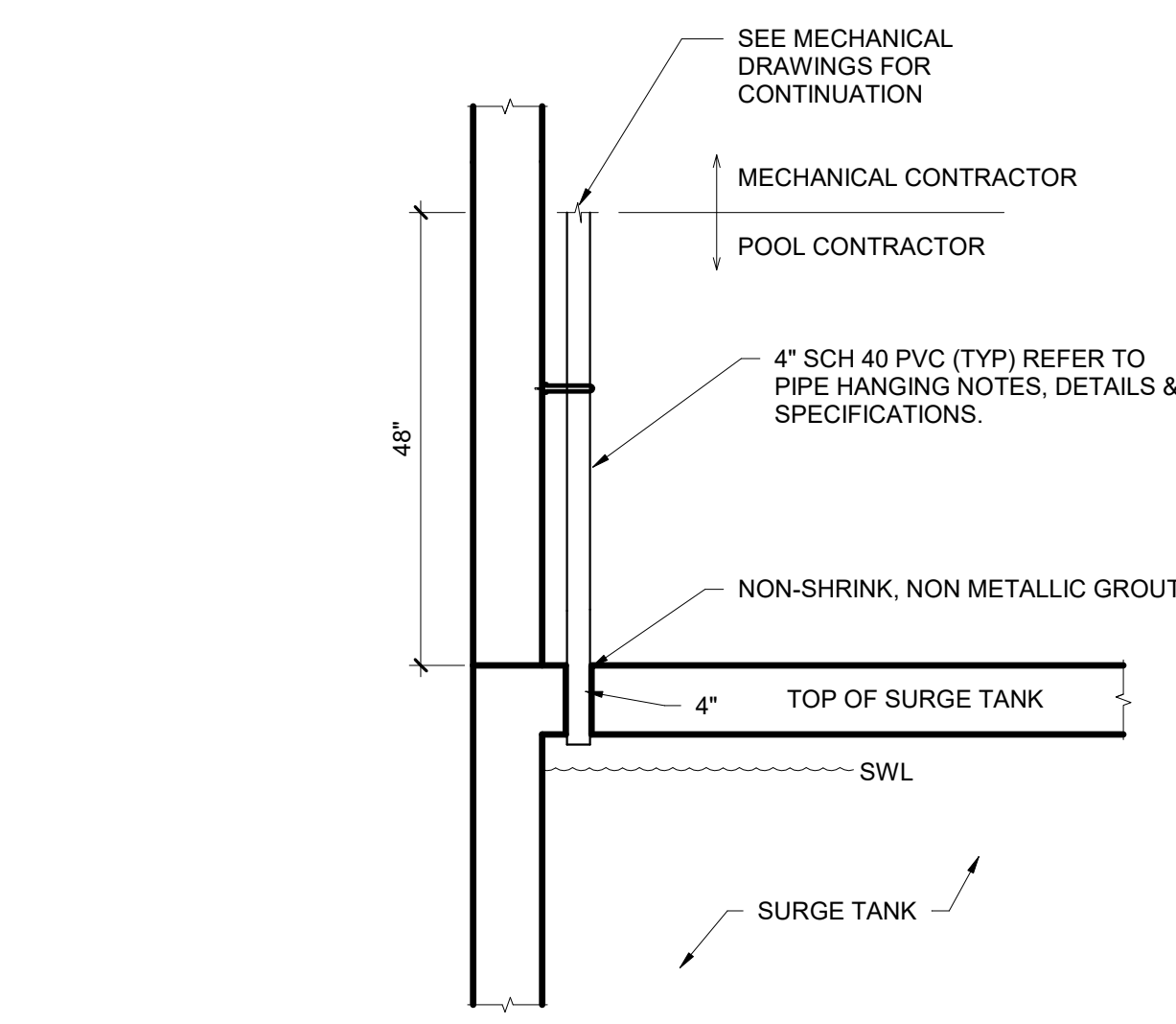
5 WALL SLEEVE / LINK SEAL NOT TO SCALE



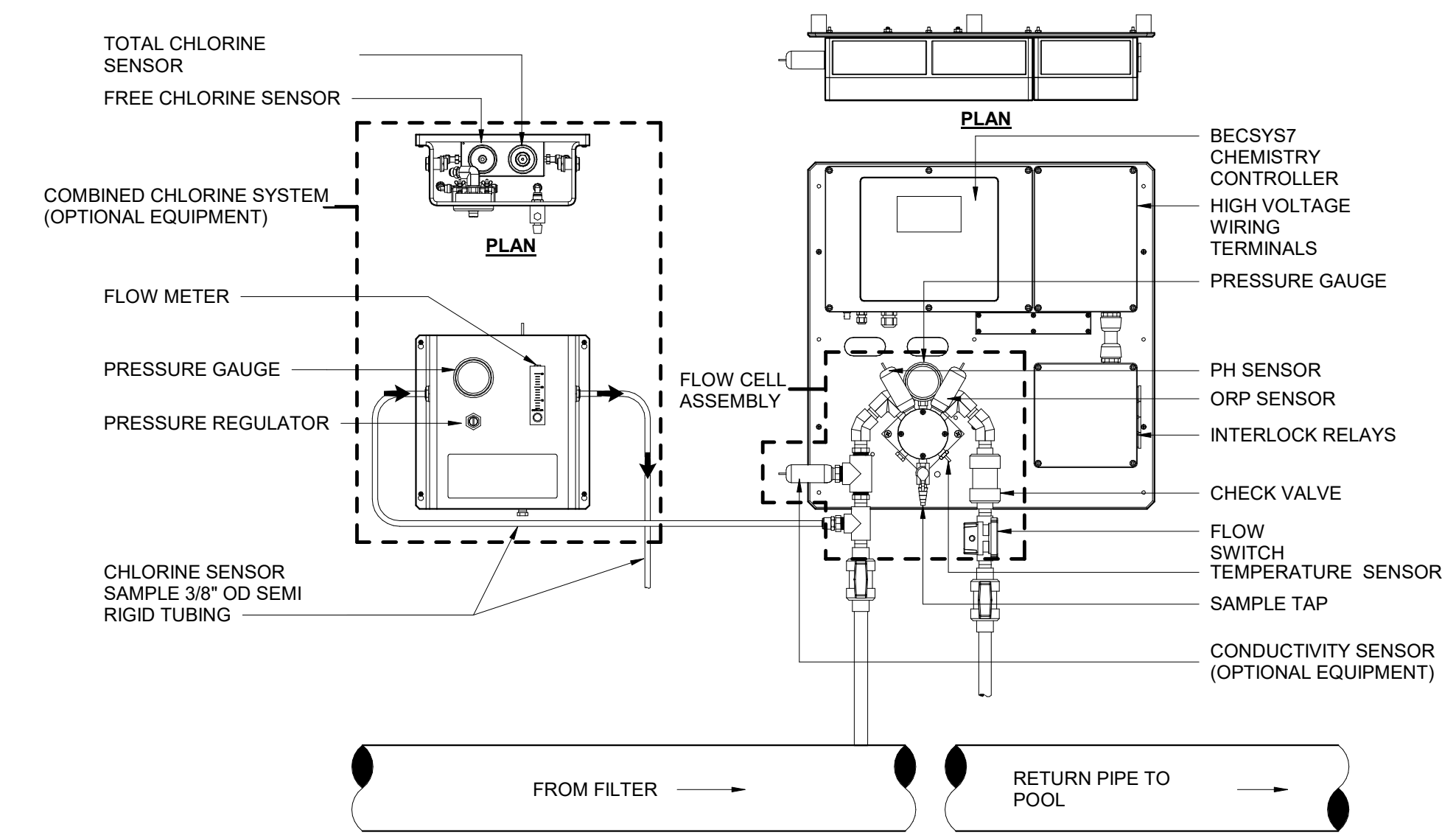
6 DEFENDER FILTER DRAIN HUB 1" = 1'-0"



7 FLOW METER NOT TO SCALE

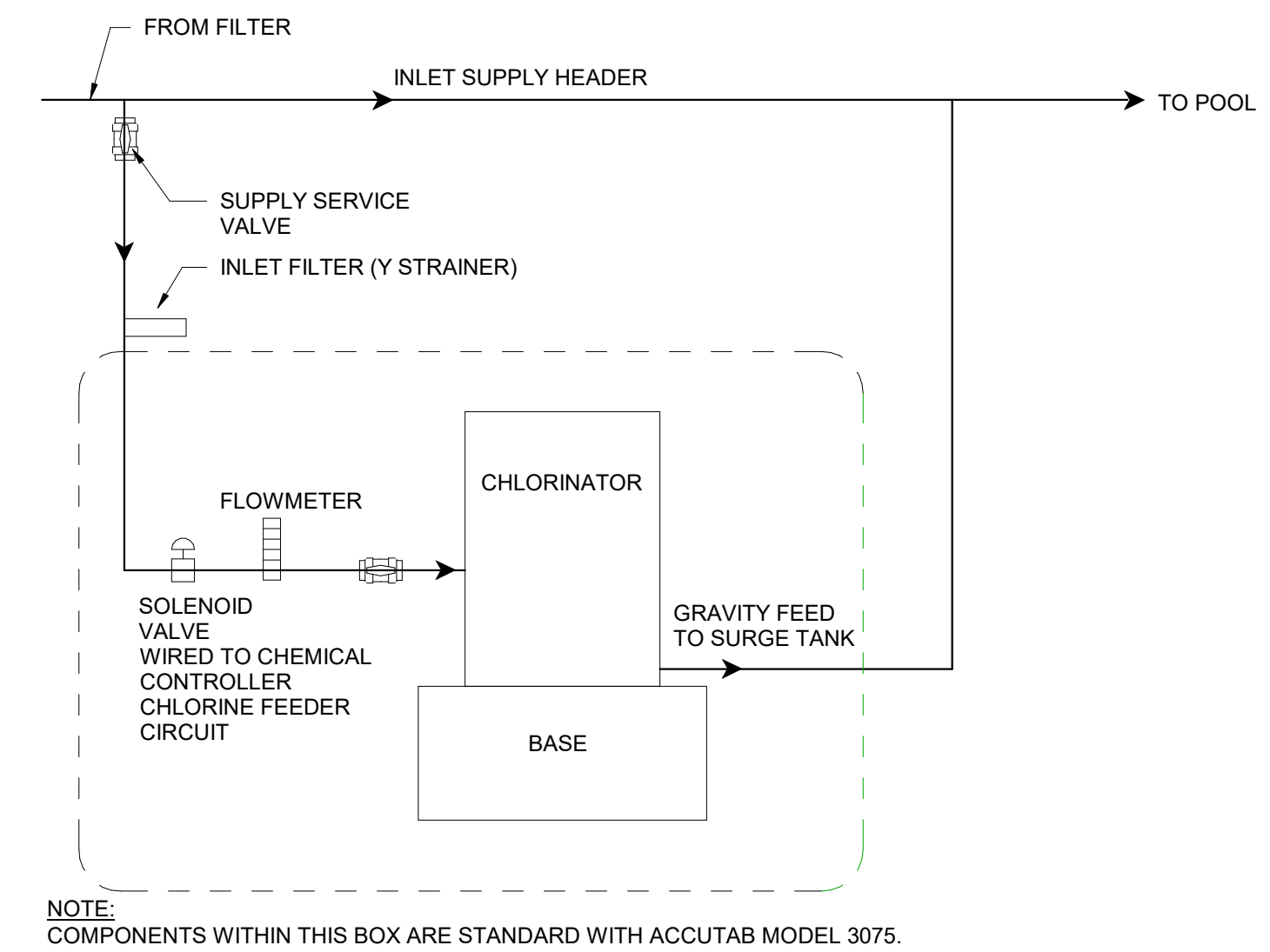


8 SURGE TANK VENT POOL B 3/8" = 1'-0"

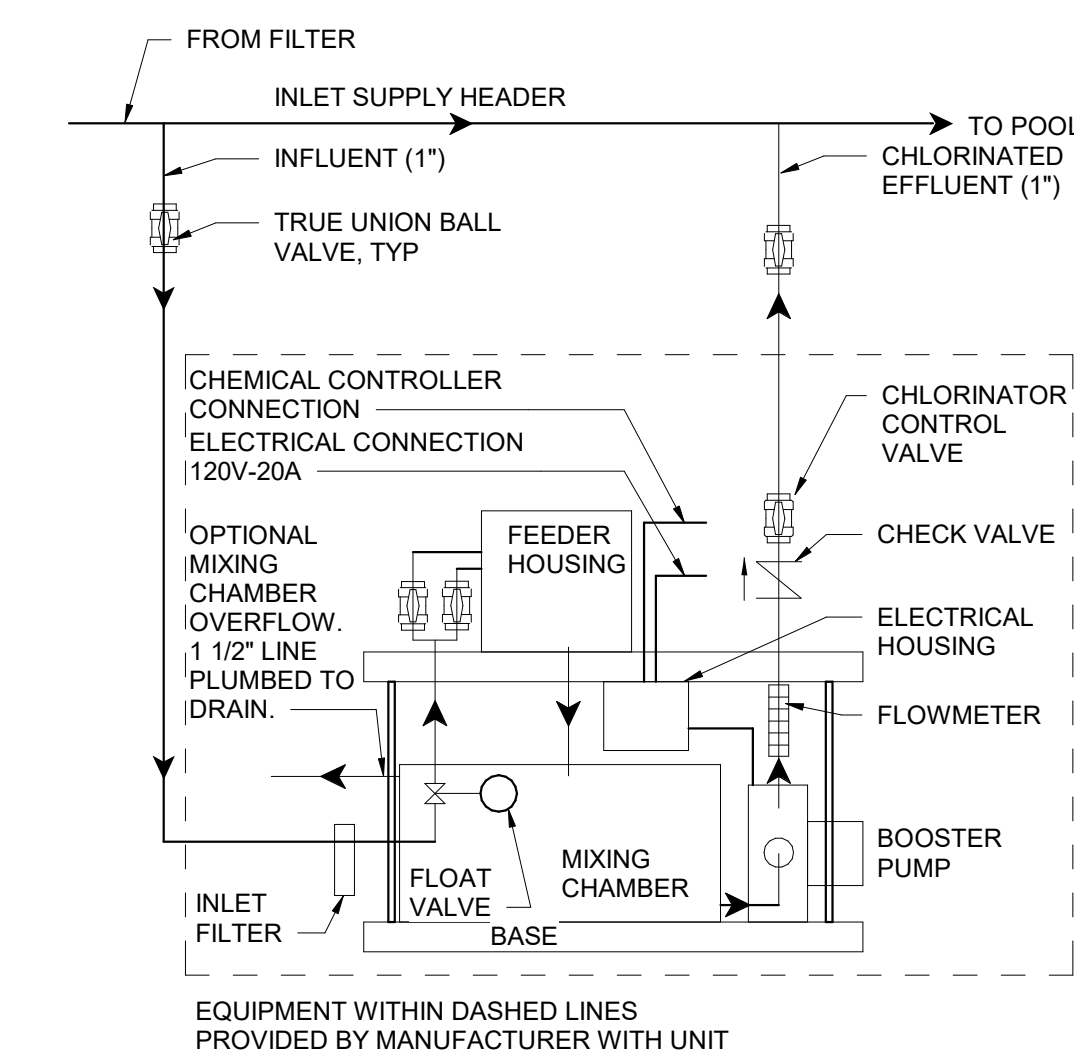


- NOTES:**
- PROVIDE STAINLESS STEEL MOUNTING HARDWARE AS REQUIRED FOR WALL TYPE.
  - INTERLOCK CHEMICAL CONTROL RELAYS WITH FILTRATION PUMP.
  - SEE CHEMICAL CONTROLLER SPECIFICATIONS FOR REQUIRED OPTIONAL EQUIPMENT.
  - RIGIDLY SECURE BACK PANEL TO BUILDING WALL, APPROXIMATELY 5'-8" ABOVE FINISHED FLOOR, IN LOCATION INDICATED IN PLAN.
  - CHEMICAL SAMPLING STREAMS SHALL TERMINATE AT THE AUTOFILL WITH 6" AIR GAP.

1 CHEMICAL CONTROLLER NOT TO SCALE



2 PPG ACCUTAB 12" = 1'-0"



3 pH CONTROL - ACID RITE NONE

**COAKLEY WILLIAMS CONSTRUCTION**

**Page/**

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1615 M St. NW, Suite 700  
Washington, DC 20036  
page@pspi.com

Tel: 202 909 4900  
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**ARLINGTON COUNTY  
LONG BRIDGE PARK AND  
AQUATICS & FITNESS FACILITY  
333 LONG BRIDGE PARK DRIVE  
ARLINGTON, VA 22202**

SUBMITTAL HISTORY

1 IFC 13 JUNE 2019  
SUBMITTAL DESCRIPTION DATE

PROFESSIONAL SEALS

COASTAL STATE OF VIRGINIA  
BRIAN W. FROBER  
No. 0402 032975

MECHANICAL DETAILS

DRAWN BY: Author  
PROJECT NUMBER: 717030  
ORIGINAL ISSUE: IFC  
CHECKED BY: Checker  
PROJECT ABBREVIATION: LBP  
DATE: 13 JUNE 2019

**PL403**  
SHEET NUMBER



**ARLINGTON COUNTY  
LONG BRIDGE PARK AND  
AQUATICS & FITNESS FACILITY  
333 LONG BRIDGE PARK DRIVE  
ARLINGTON, VA 22202**

SUBMITTAL HISTORY

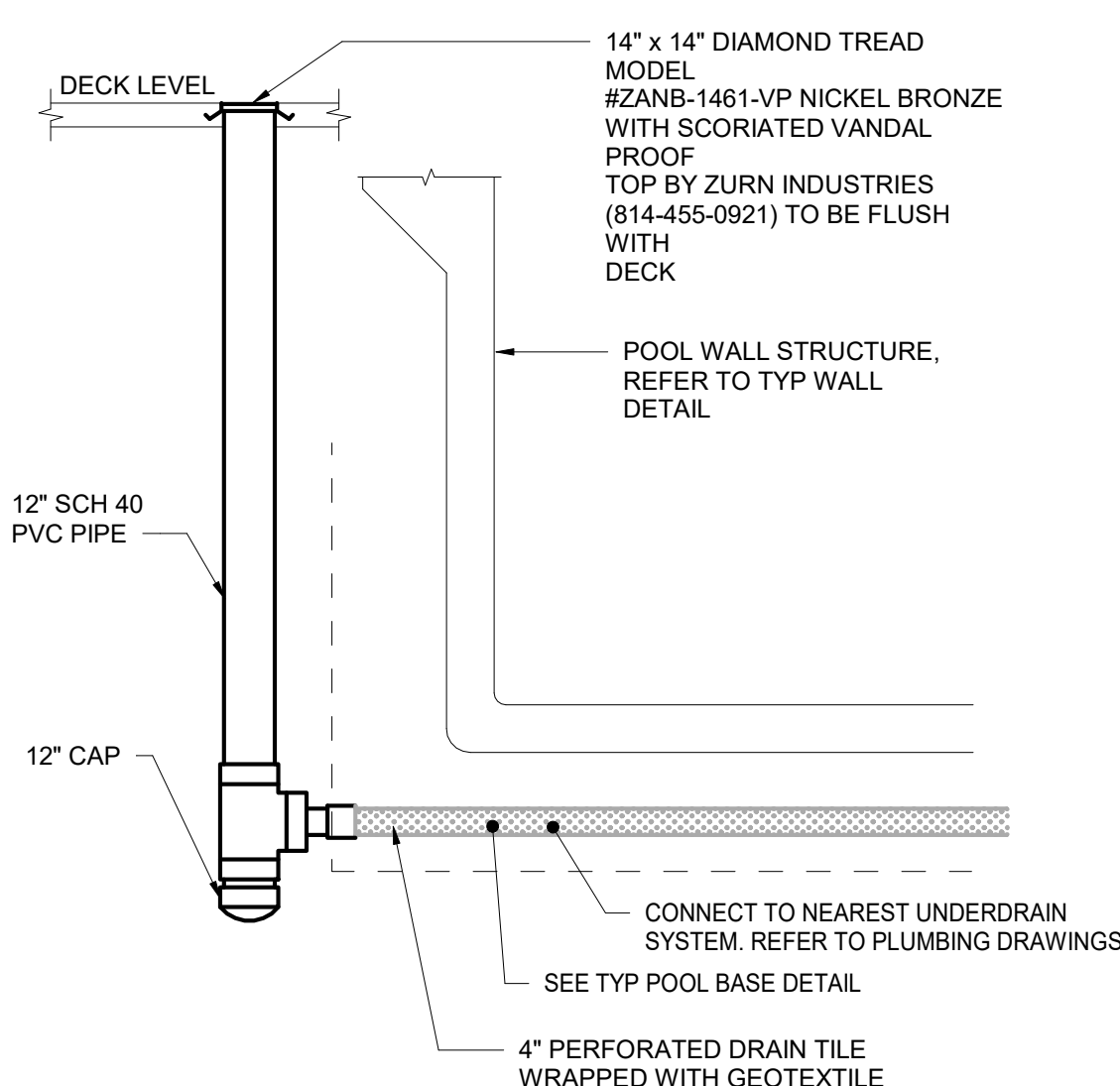
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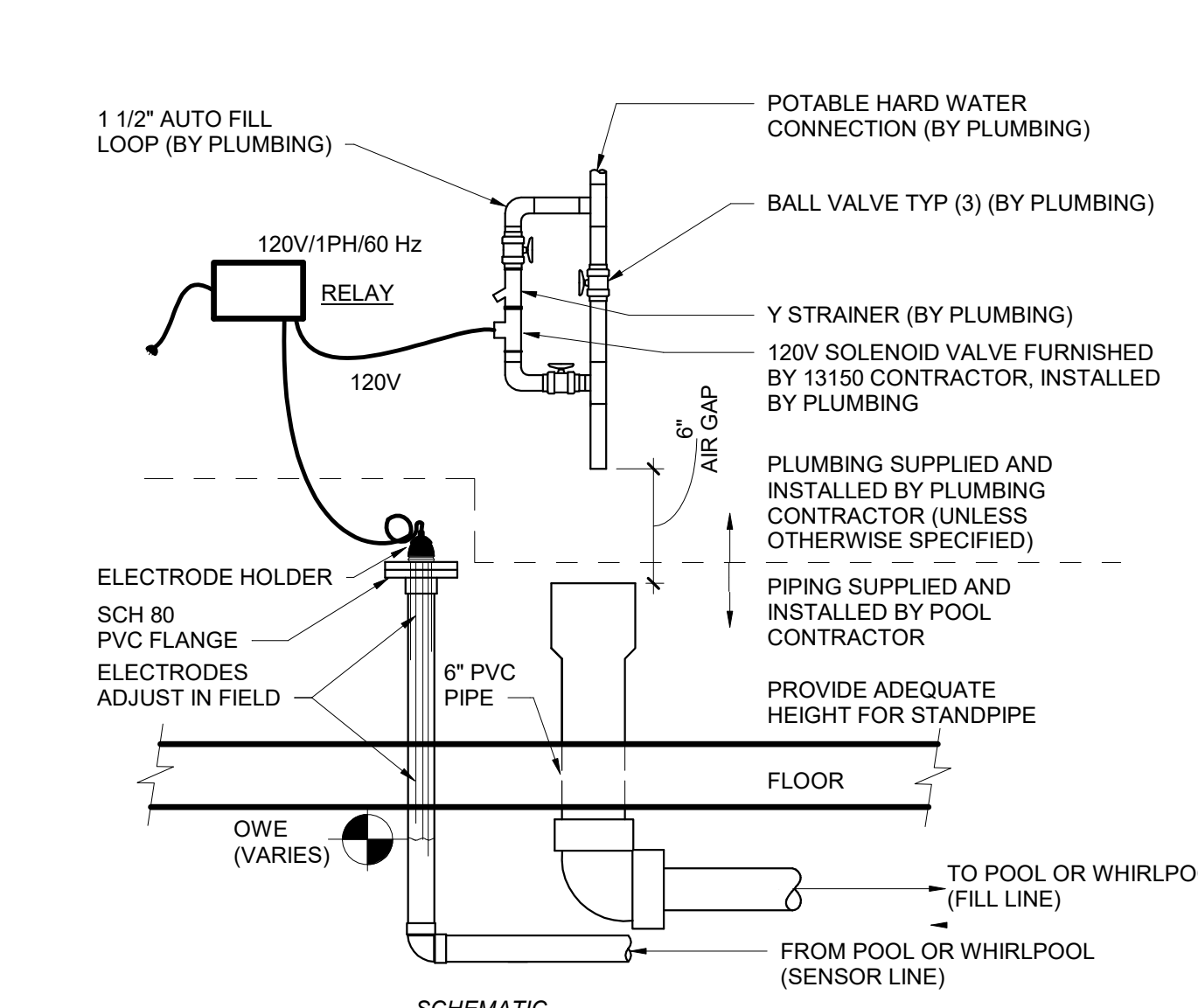
**Brian W. Freber**  
No. 0402 032975

MECHANICAL DETAILS

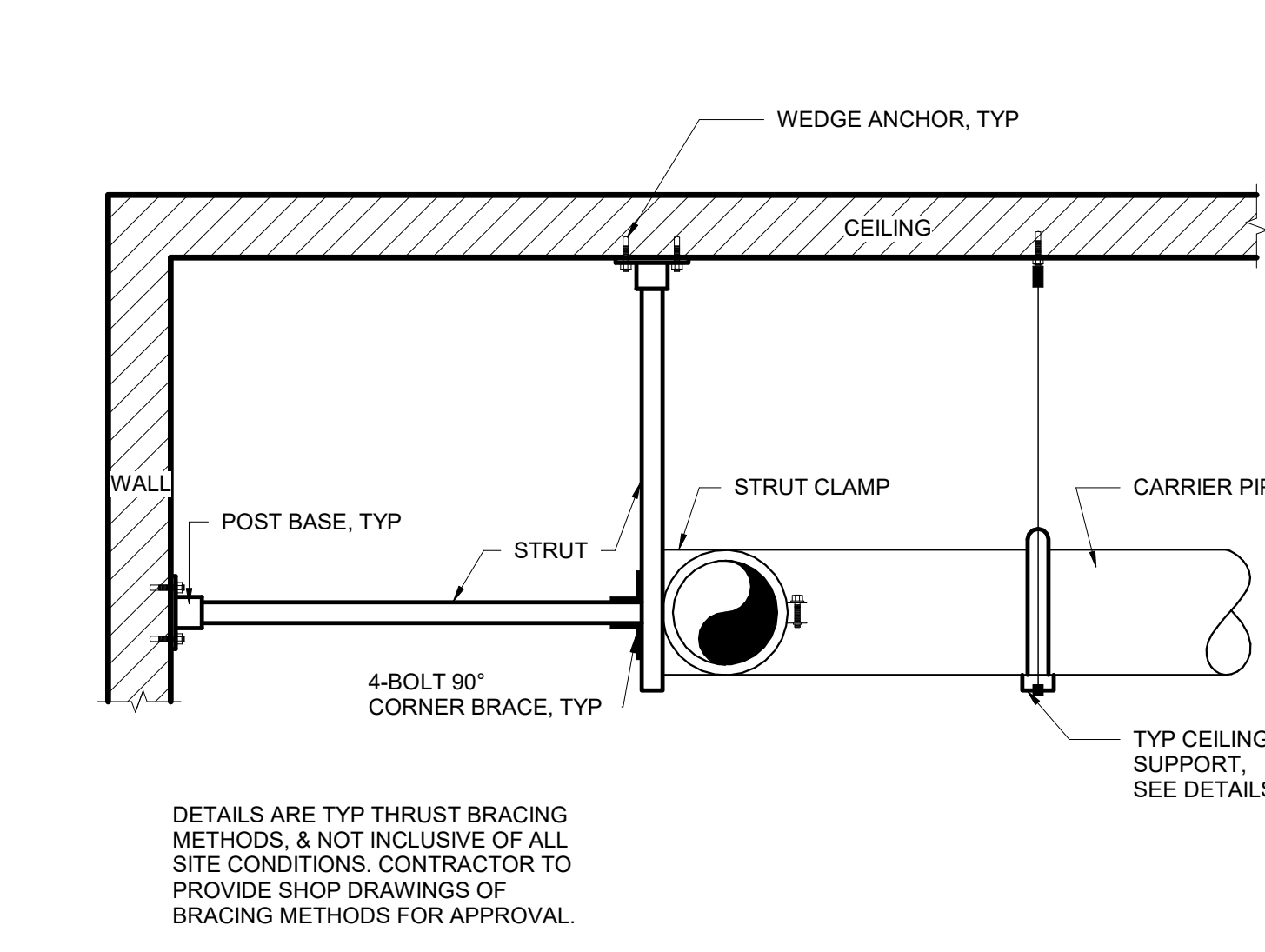
Author	Checked by
Brian W. Freber	Checker
PROJECT NUMBER 717030	PROJECT ABBREVIATION LBP
ORIGINAL ISSUE	DATE
IFC	13 JUNE 2019



12 OBSERVATION WELL  
NONE



9 AUTO FILL - POOL C  
NOT TO SCALE

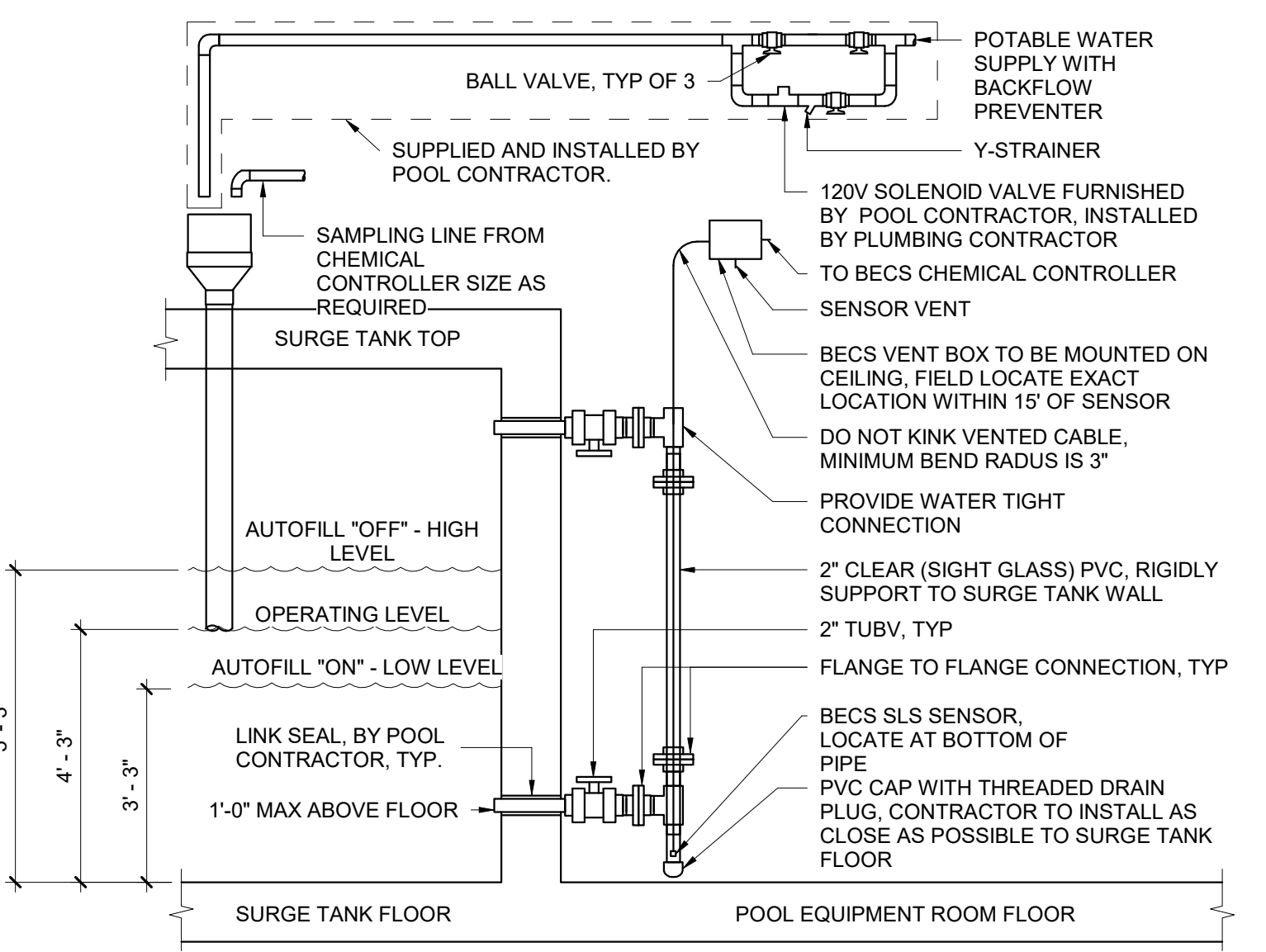


5 PIPE THRUST BRACING  
NOT TO SCALE

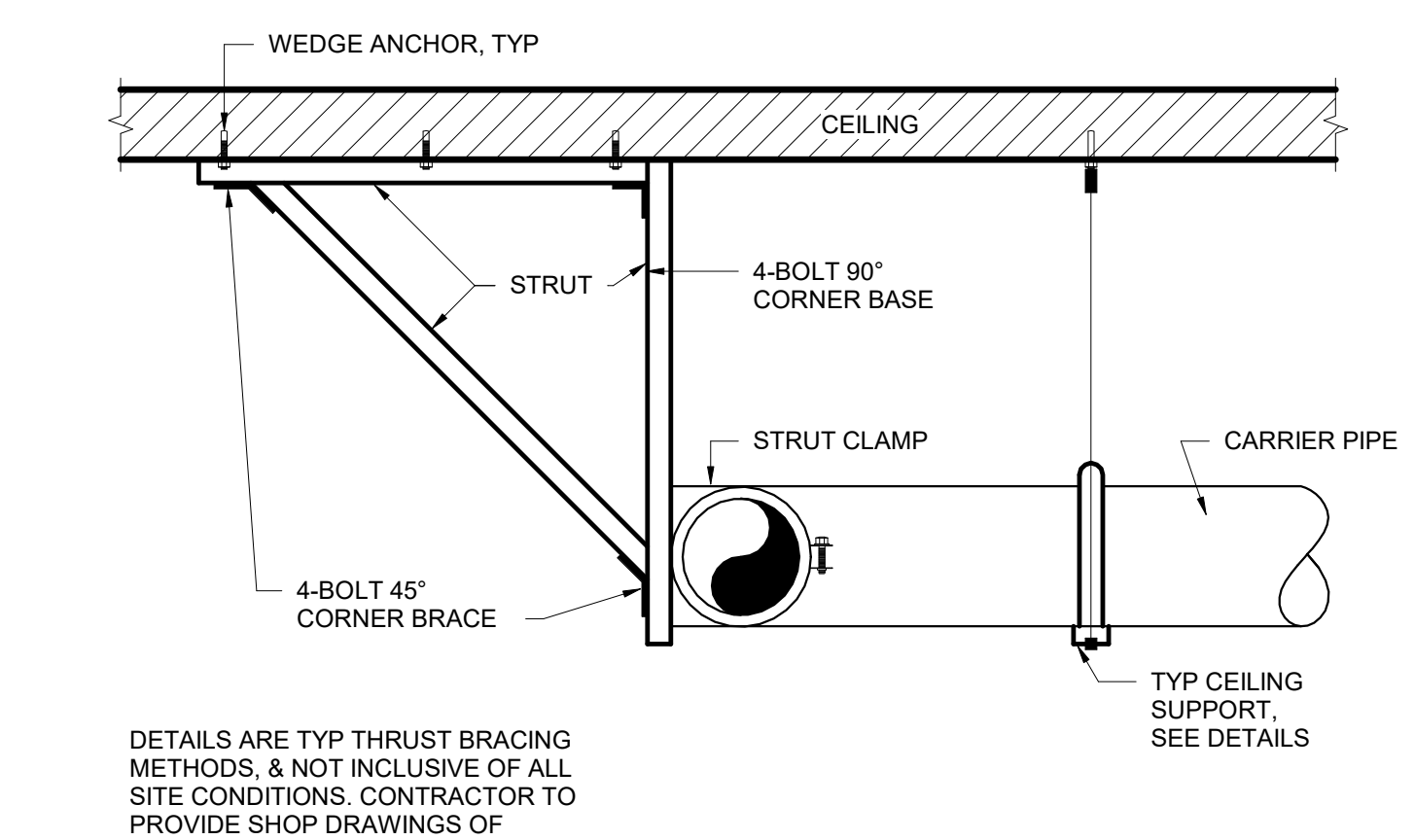
MAX ALLOWABLE SUPPORT SPACING FOR PVC PIPE (IN FT)

NOMINAL PIPE SIZE	SCHEDULE 40					SCHEDULE 80				
	TEMPERATURE (°F)					TEMPERATURE (°F)				
1/2"	60°	80°	100°	120°	140°	60°	80°	100°	120°	140°
3/4"	4.5	4.5	4	2.5	2.5	5	4.5	4.5	3	2.5
1"	5.5	5	4.5	3	2.5	6	5.5	5	3.5	3
1 1/4"	5.5	5.5	5	3	3	6	6	5.5	3.5	3
1 1/2"	6	5.5	5	3.5	3	6.5	6	5.5	3.5	3.5
2"	6	5.5	5	3.5	3	7	6.5	6	4	3.5
2 1/2"	7	6.5	6	4	3.5	7.5	7.5	6.5	4.5	4
3"	7	7	6	4	3.5	8	7.5	7	4.5	4
4"	7.5	7	6.5	4.5	4	9	8	7.5	5	4.5
6"	8.5	8	7.5	5	4.5	10	9.5	9	6	5
8"	9	8.5	8	5	4.5	11	10.5	9.5	6.5	5.5
10"	10	9	8.5	5.5	5	12	11	10	7	6
12"	11.5	10.5	9.5	6.5	5.5	12	11	10	7	6

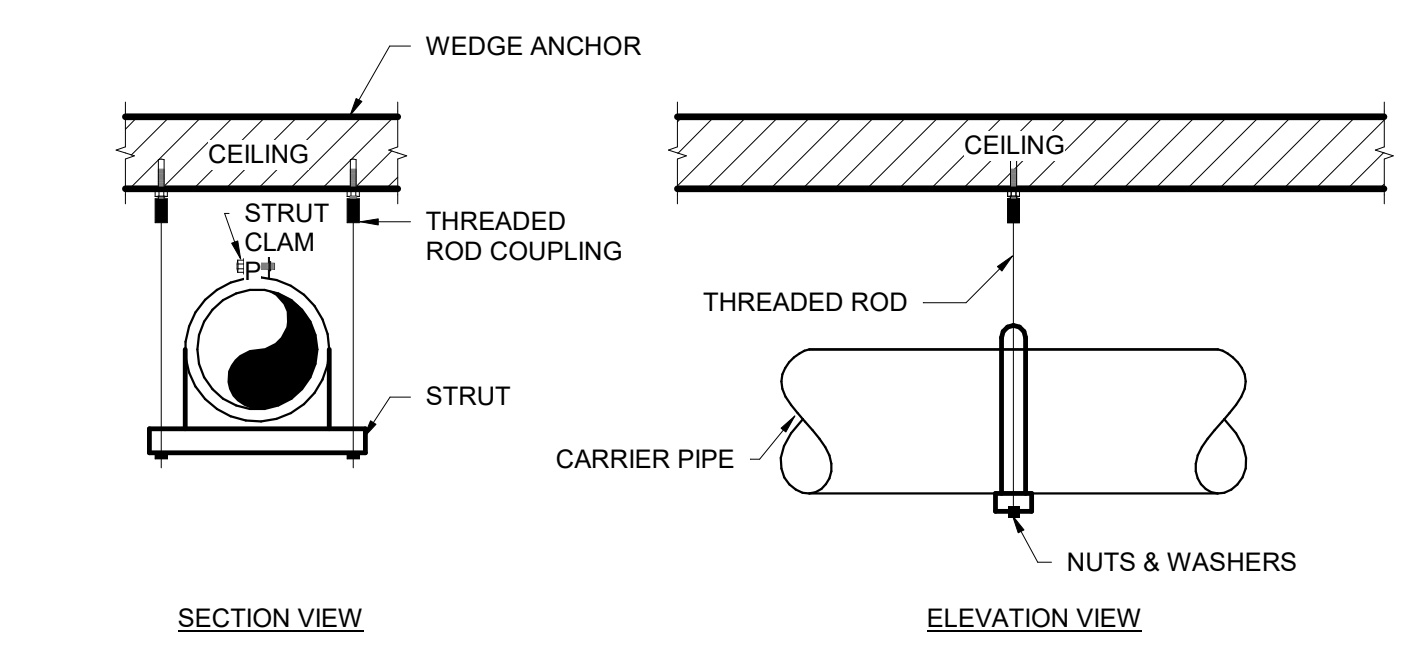
1 PIPE SUPPORT SCHEDULE  
NOT TO SCALE



10 AUTOFILL WATER LEVEL CONTROL - POOL B  
NOT TO SCALE

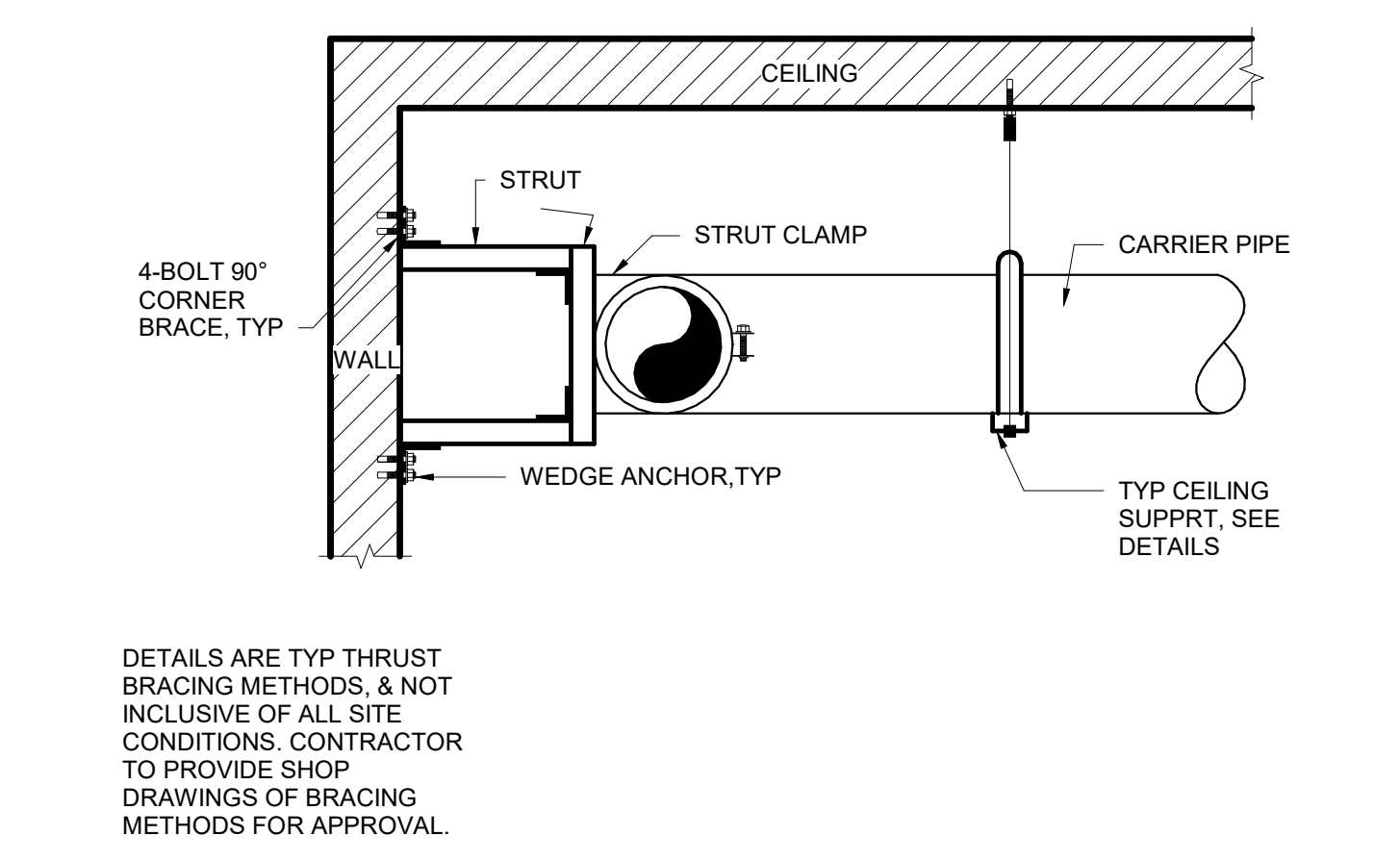


6 PIPE THRUST BRACING  
NOT TO SCALE

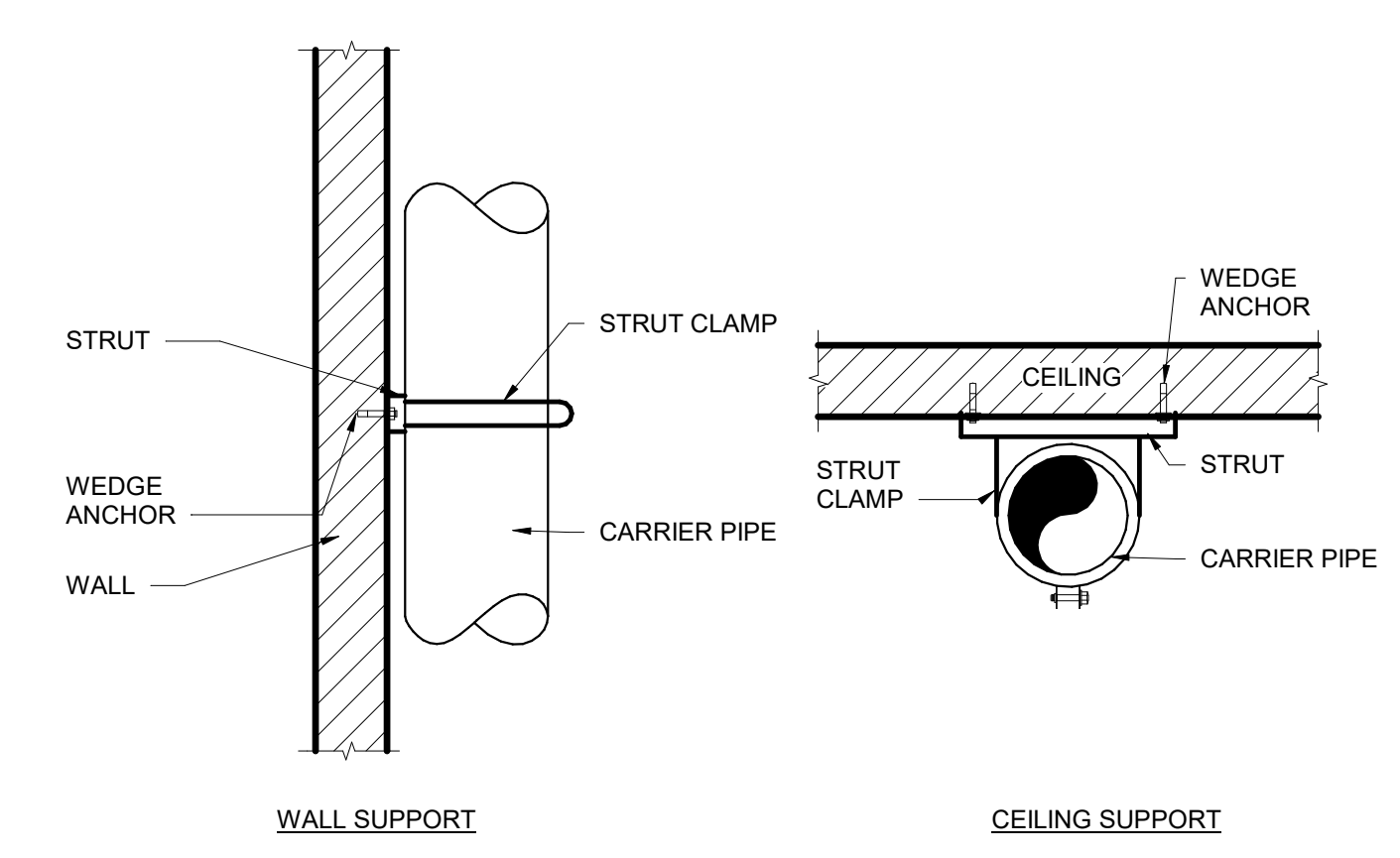


NOTES:  
1. DETAILS ARE TYP SUPPORT METHODS AND NOT INCLUSIVE OF ALL SITE CONDITIONS.  
2. ALL PIPING SHALL BE RIGIDLY SUPPORTED Laterally AND VERTICALLY. SUPPORT SYSTEM SHALL PROVIDE ZERO MOVEMENT IN PIPING DURING ALL OPERATING CONDITIONS.  
3. PROVIDE THRUST RESTRAINT AT ALL HORIZONTAL/HORIZONTAL, HORIZONTAL/VERTICAL AND VERTICAL/HORIZONTAL CHANGES IN DIRECTIONS.  
4. SEE SECTION 13150 SPECIFICATIONS FOR ADDITIONAL SUPPORT REQUIREMENTS AND MATERIALS.  
5. SEE PIPE SUPPORT TABLE ON DRAWINGS.

2 PIPE SUPPORT  
NOT TO SCALE

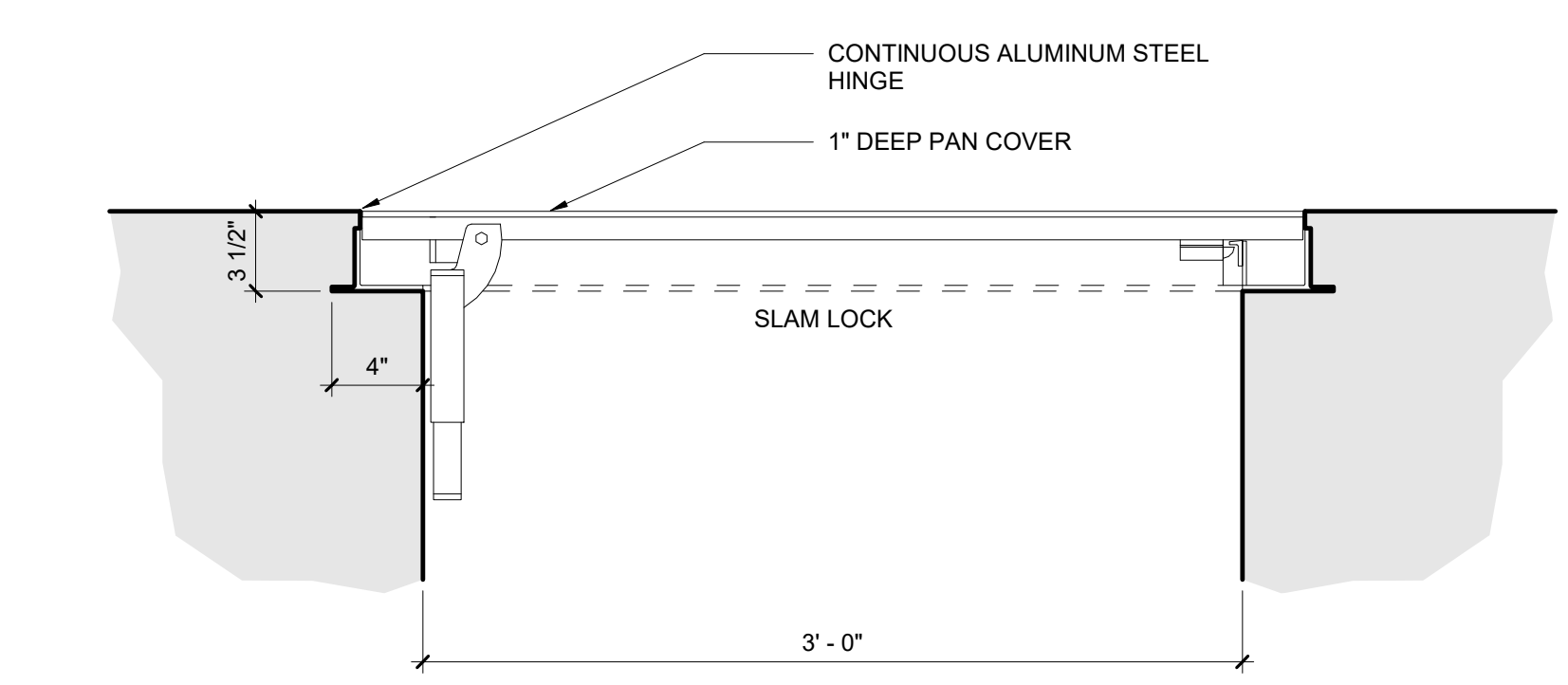


7 PIPE THRUST BRACING  
NOT TO SCALE

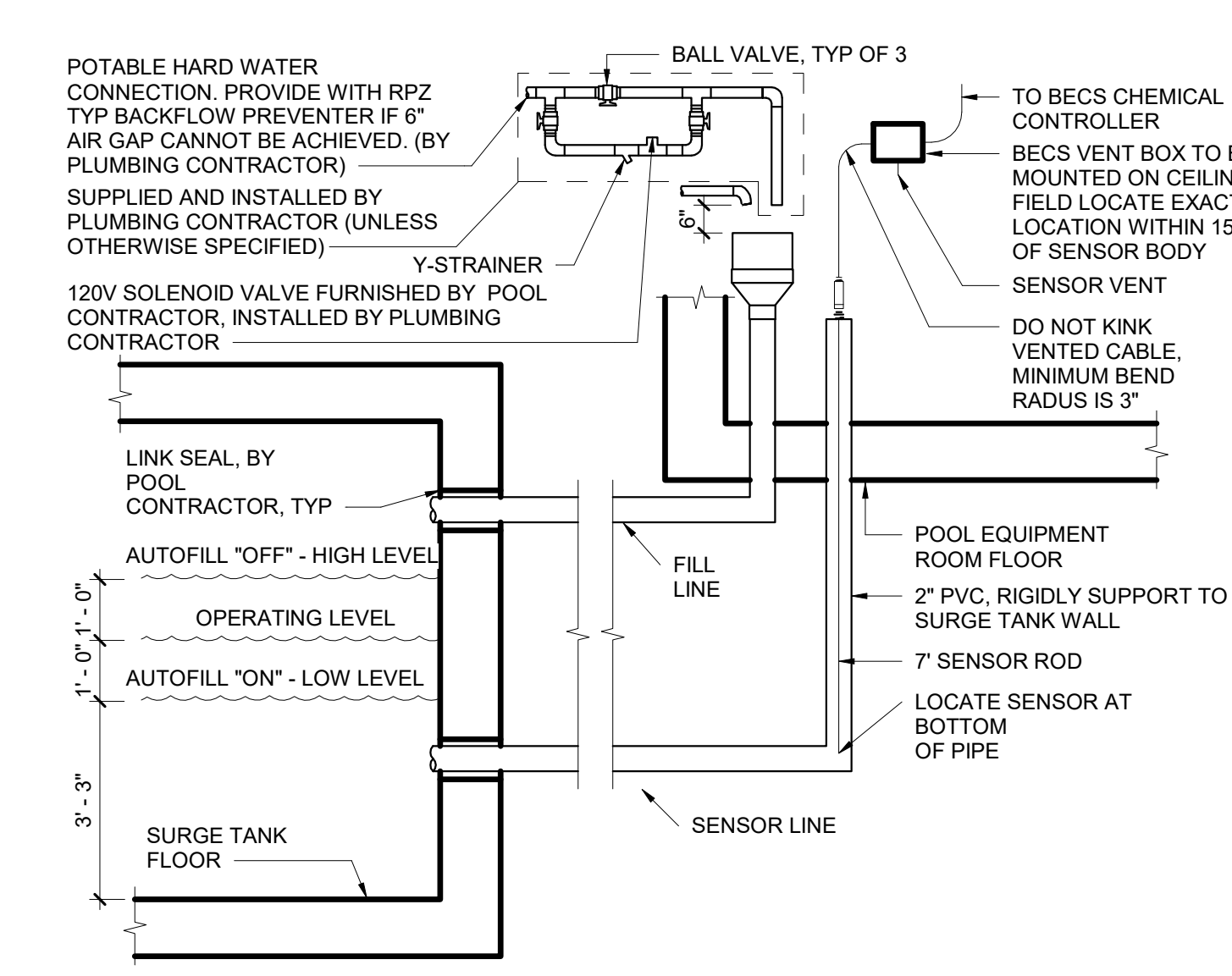


NOTES:  
1. DETAILS ARE TYP SUPPORT METHODS AND NOT INCLUSIVE OF ALL SITE CONDITIONS.  
2. ALL PIPING SHALL BE RIGIDLY SUPPORTED Laterally AND VERTICALLY. SUPPORT SYSTEM SHALL PROVIDE ZERO MOVEMENT IN PIPING DURING ALL OPERATING CONDITIONS.  
3. PROVIDE THRUST RESTRAINT AT ALL HORIZONTAL/HORIZONTAL, HORIZONTAL/VERTICAL AND VERTICAL/HORIZONTAL CHANGES IN DIRECTIONS.  
4. SEE SECTION 13150 SPECIFICATIONS FOR ADDITIONAL SUPPORT REQUIREMENTS AND MATERIALS.  
5. SEE PIPE SUPPORT TABLE ON DRAWINGS.

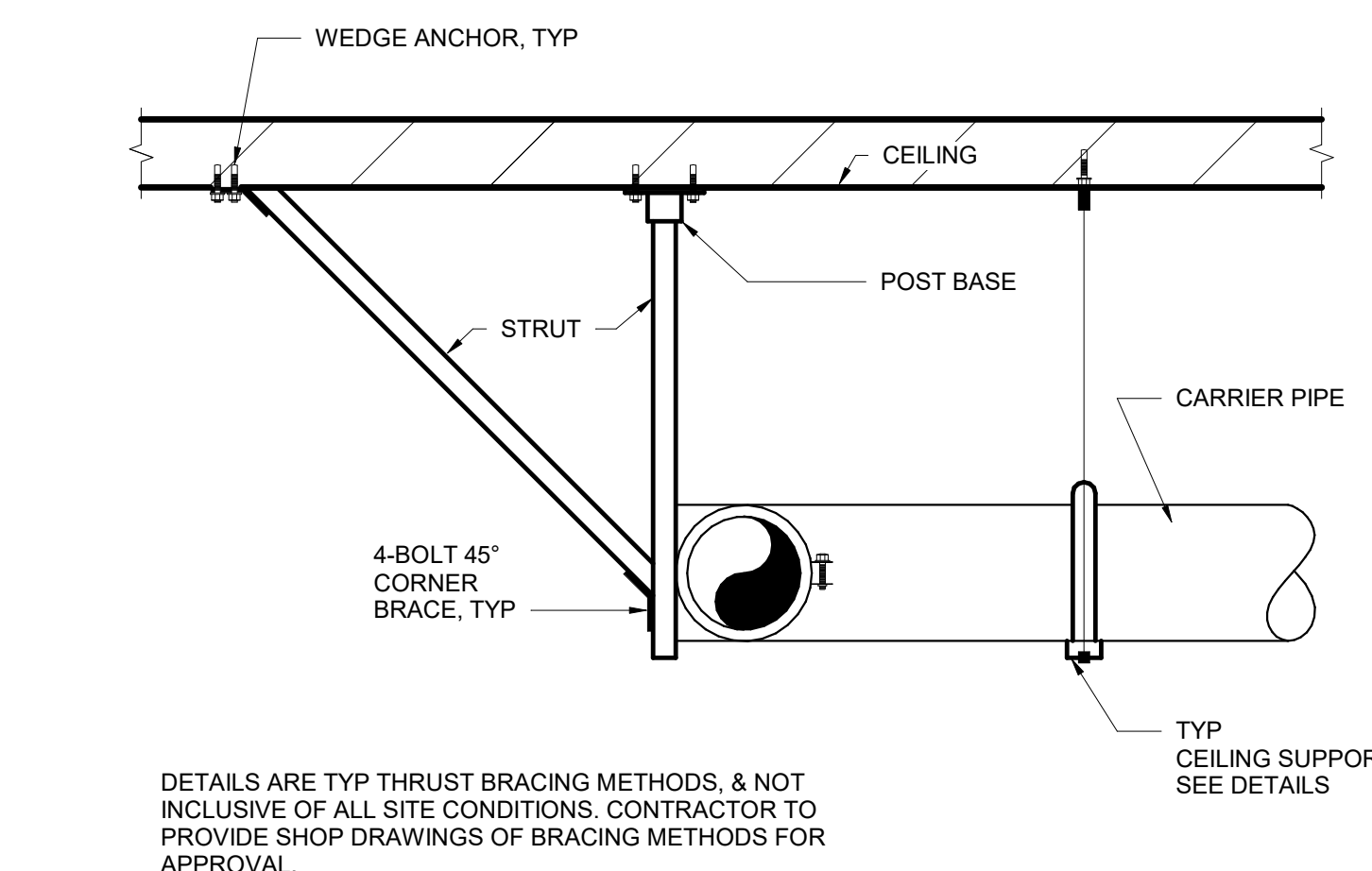
3 PIPE SUPPORT  
NOT TO SCALE



11 HATCH DETAIL - BILCO TYPE TER  
NONE



8 AUTOFILL WATER LEVEL CONTROL - POOL A  
NOT TO SCALE



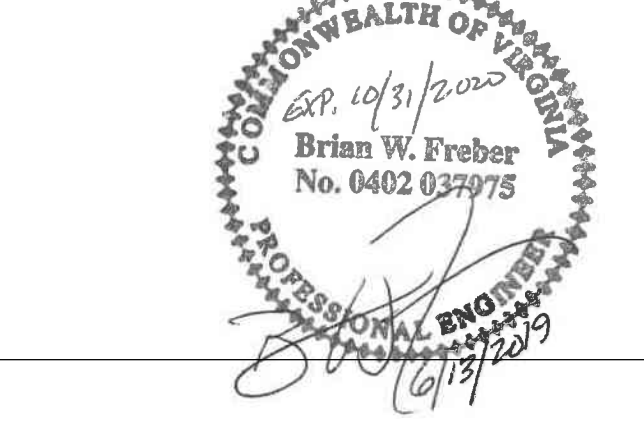
4 PIPE THRUST BRACING  
NOT TO SCALE

**ARLINGTON COUNTY  
LONG BRIDGE PARK AND  
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333 LONG BRIDGE PARK DRIVE  
ARLINGTON, VA 22202**

SUBMITTAL HISTORY

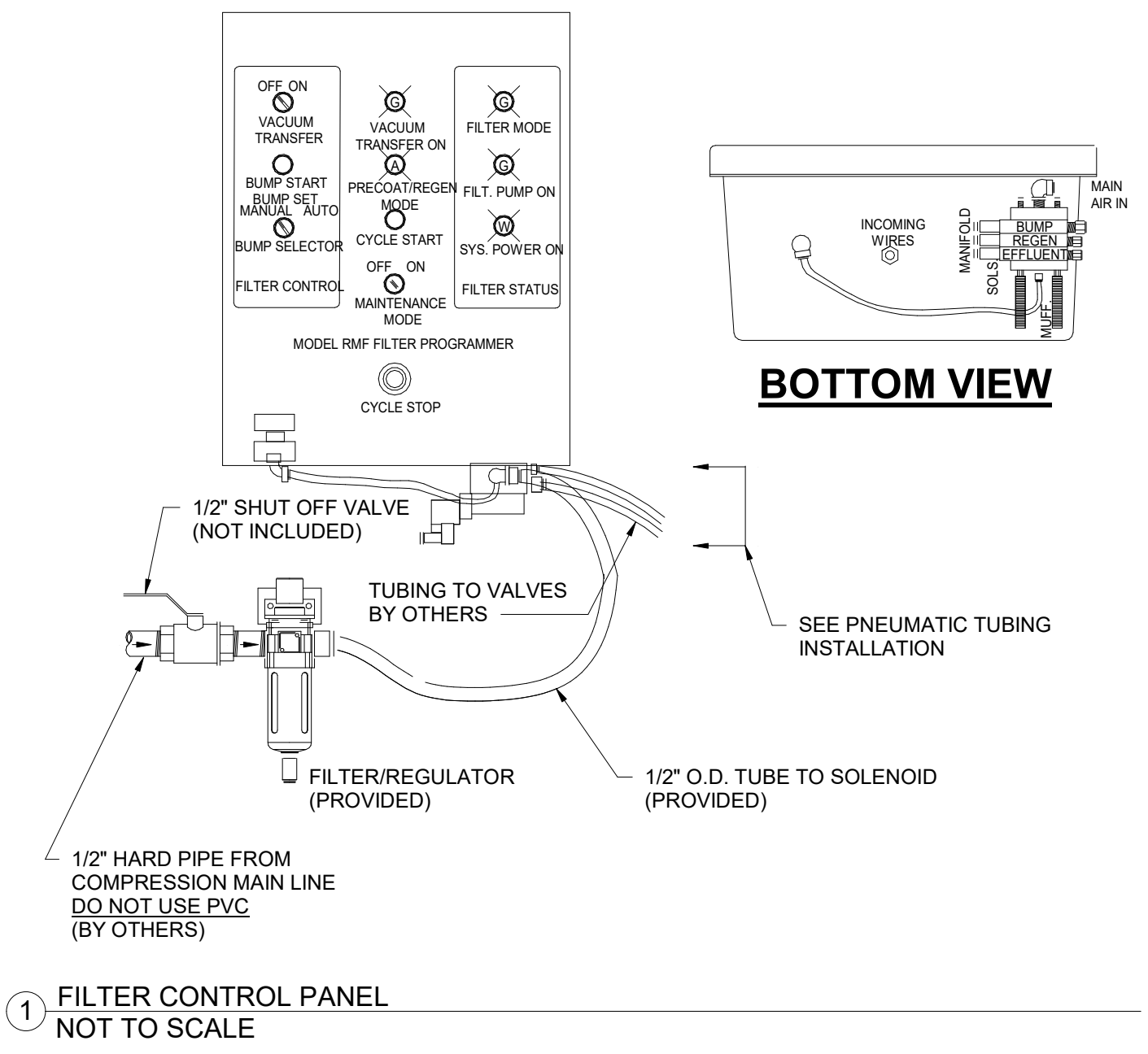
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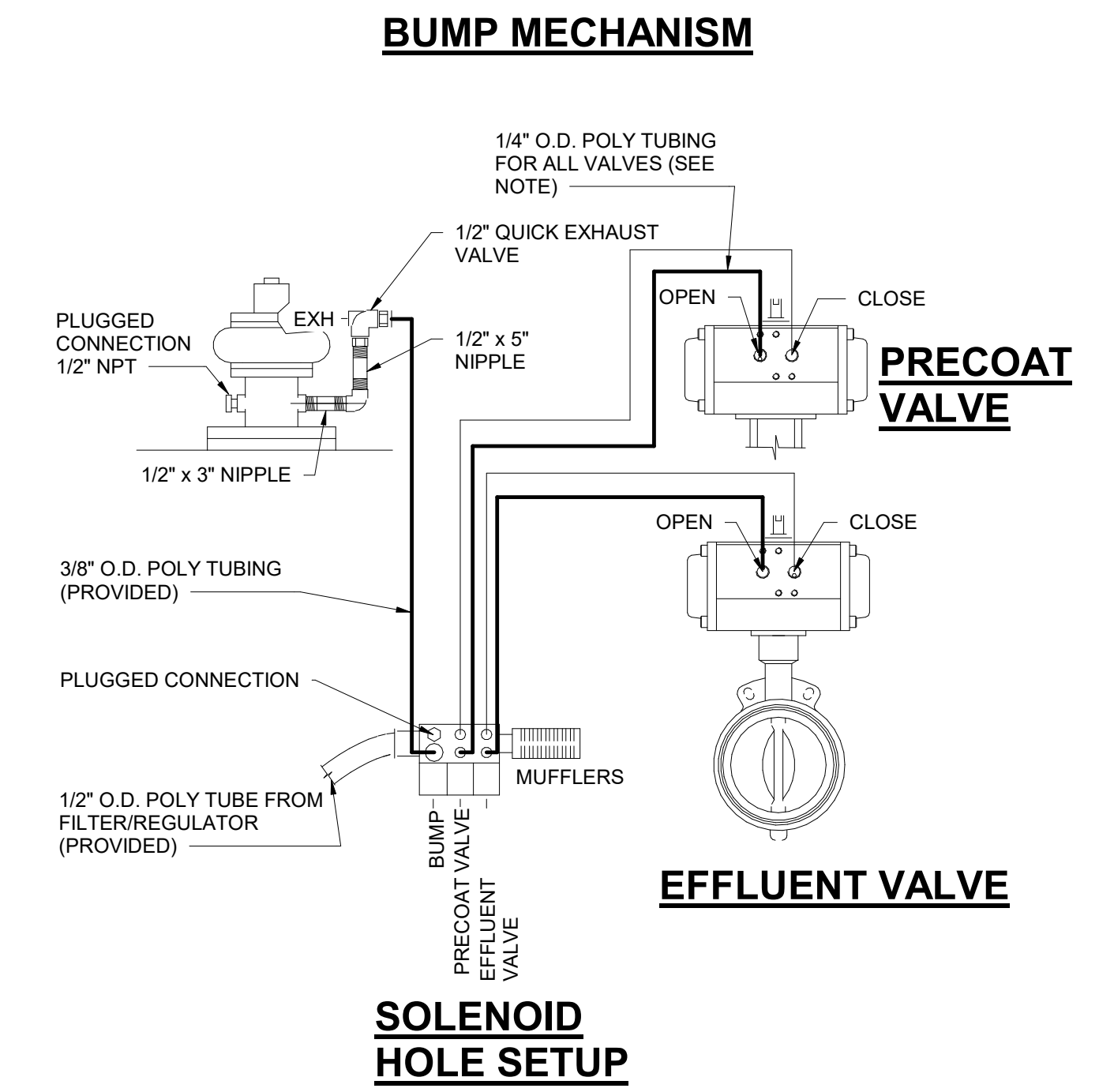


DEFENDER FILTRATION SCHEMATIC

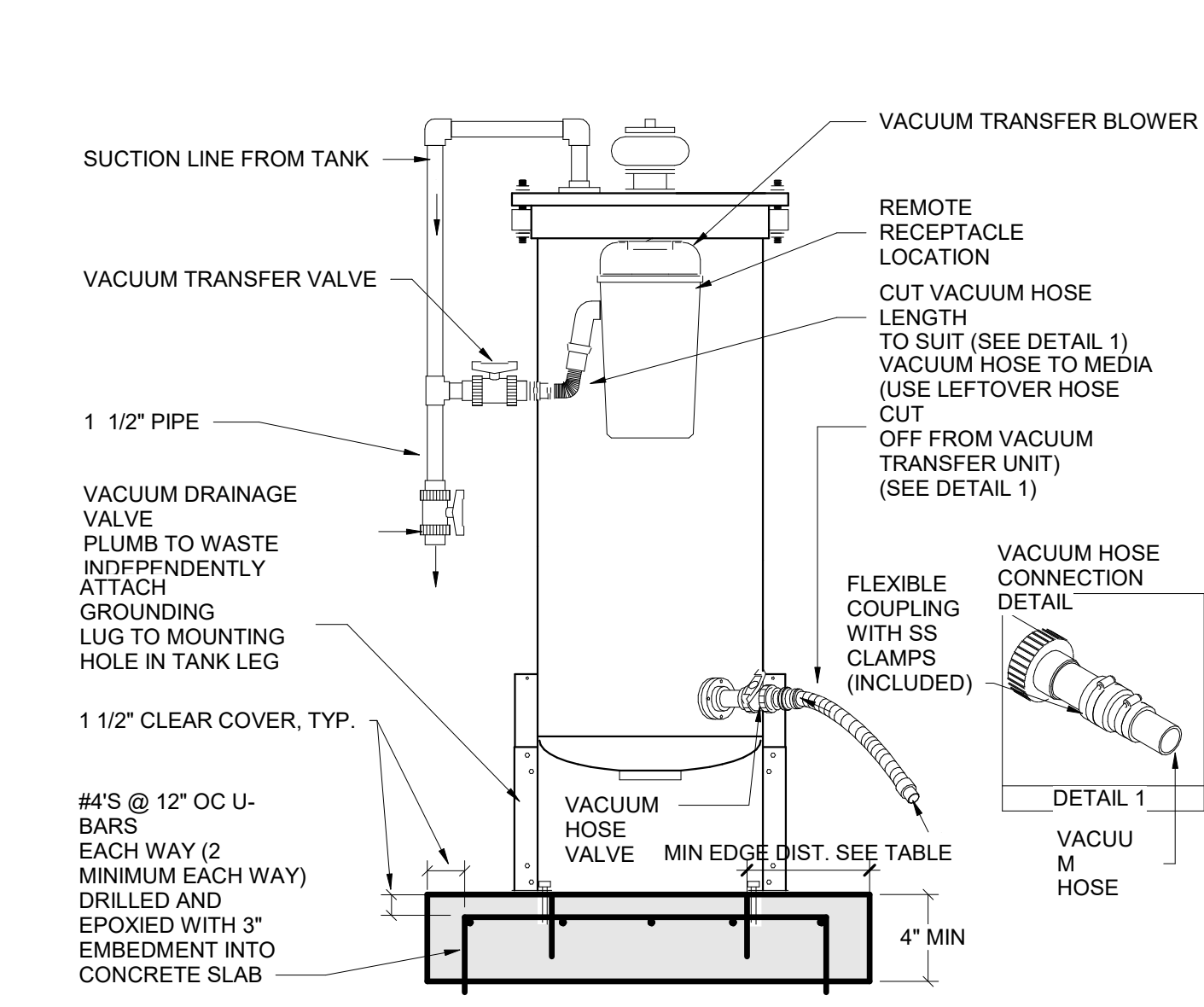
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PROJECT NUMBER 717030	PROJECT ABBREVIATION LBP
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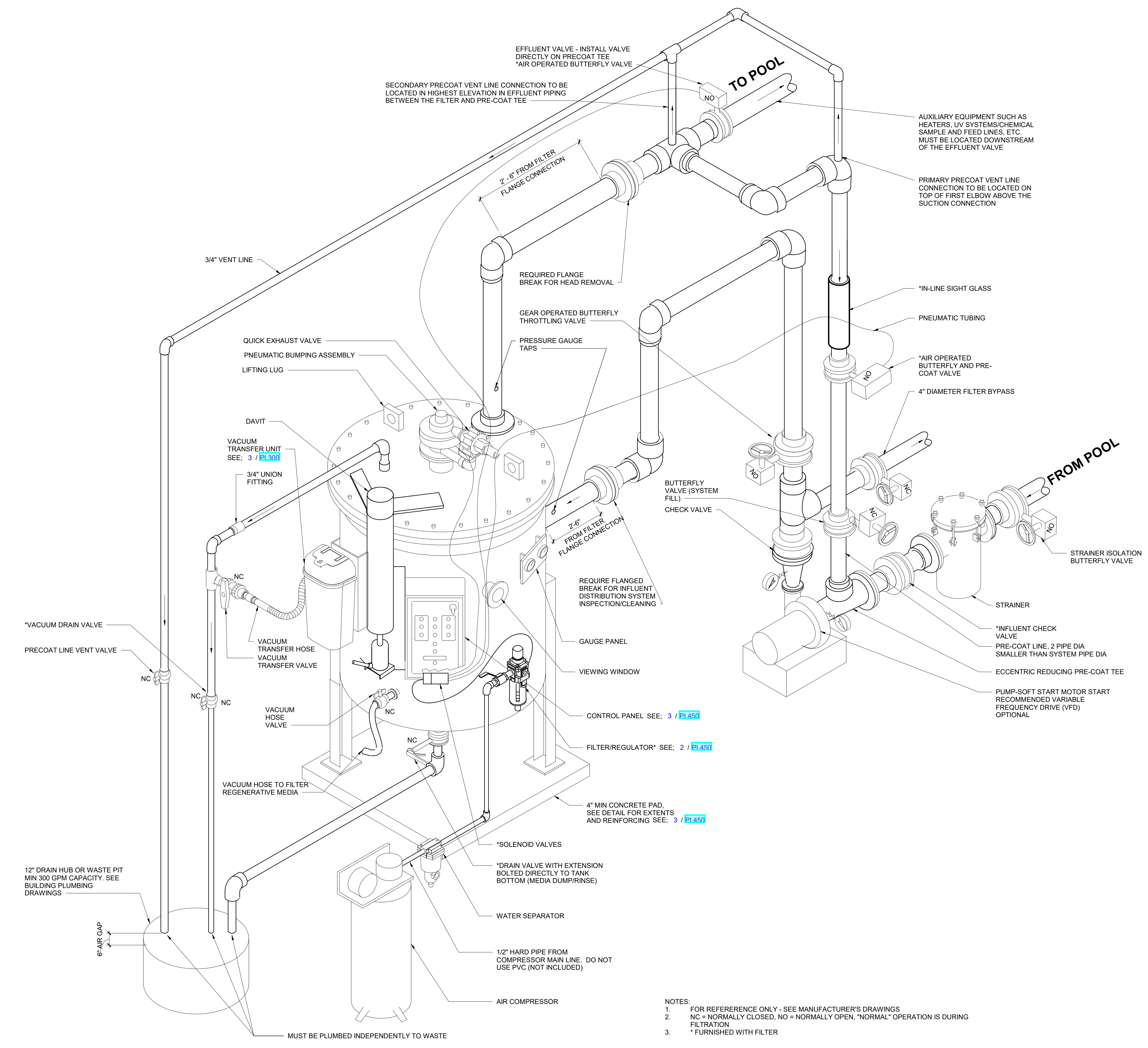
1 FILTER CONTROL PANEL NOT TO SCALE



2 PNEUMATIC VALVE DIAGRAM NOT TO SCALE



3 VACUUM TRANSFER SYSTEM NOT TO SCALE



4 FILTER - DEFENDER - SCHEMATIC NOT TO SCALE

- NOTES:  
1. FOR REFERENCE ONLY - SEE MANUFACTURER'S DRAWINGS  
2. NC = NORMALLY CLOSED, NO = NORMALLY OPEN, \*NORMAL\* OPERATION IS DURING FILTRATION  
3. \* FURNISHED WITH FILTER

FASTENER DIAMETER	3/8"	1/2"	5/8"
MIN. EDGE DISTANCE	4"	6"	10"

NOTES: EDGE DISTANCE LISTED IN TABLE IS FOR HILTI-KWIK BOLT TZ ANCHORS ONLY

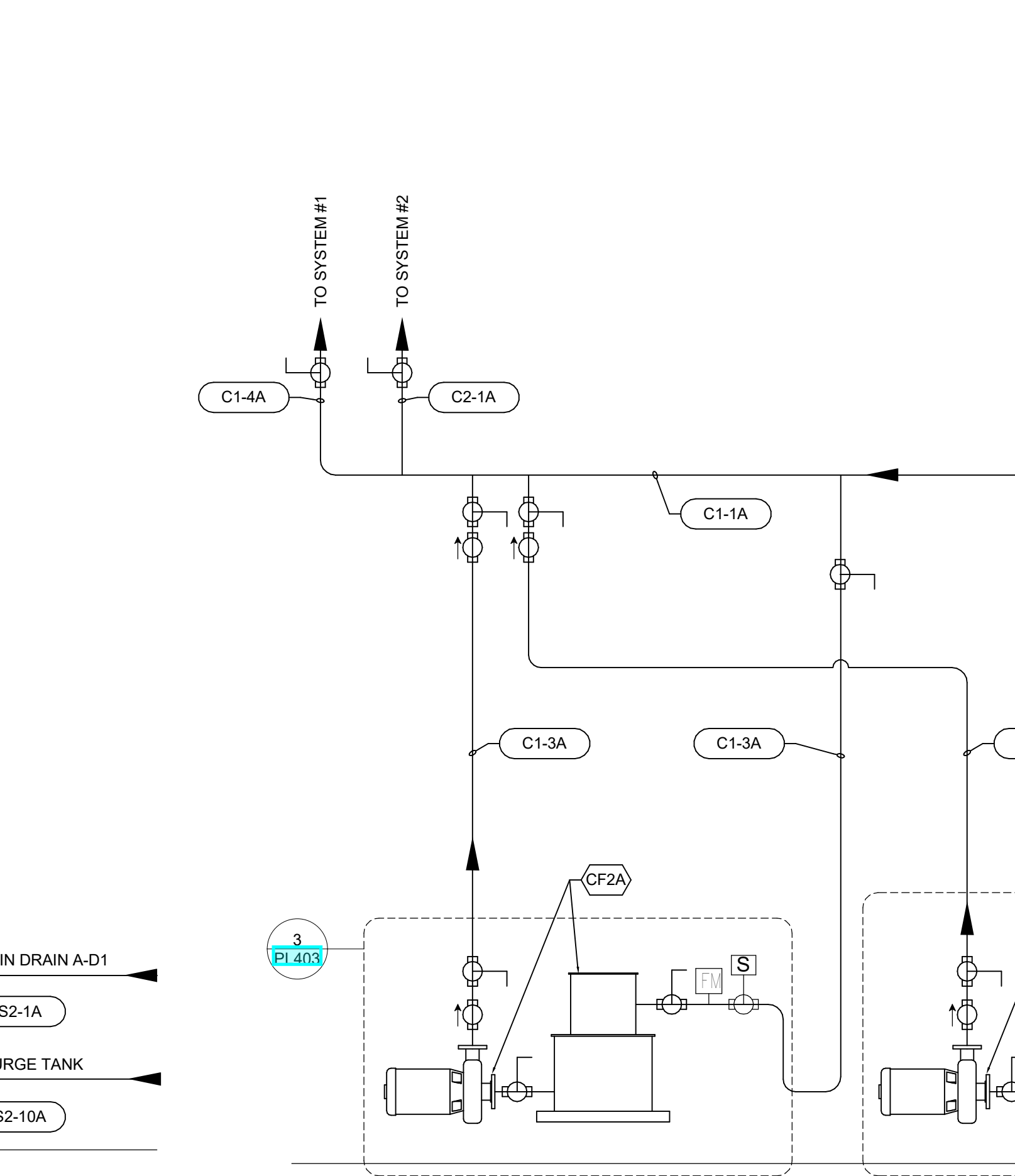
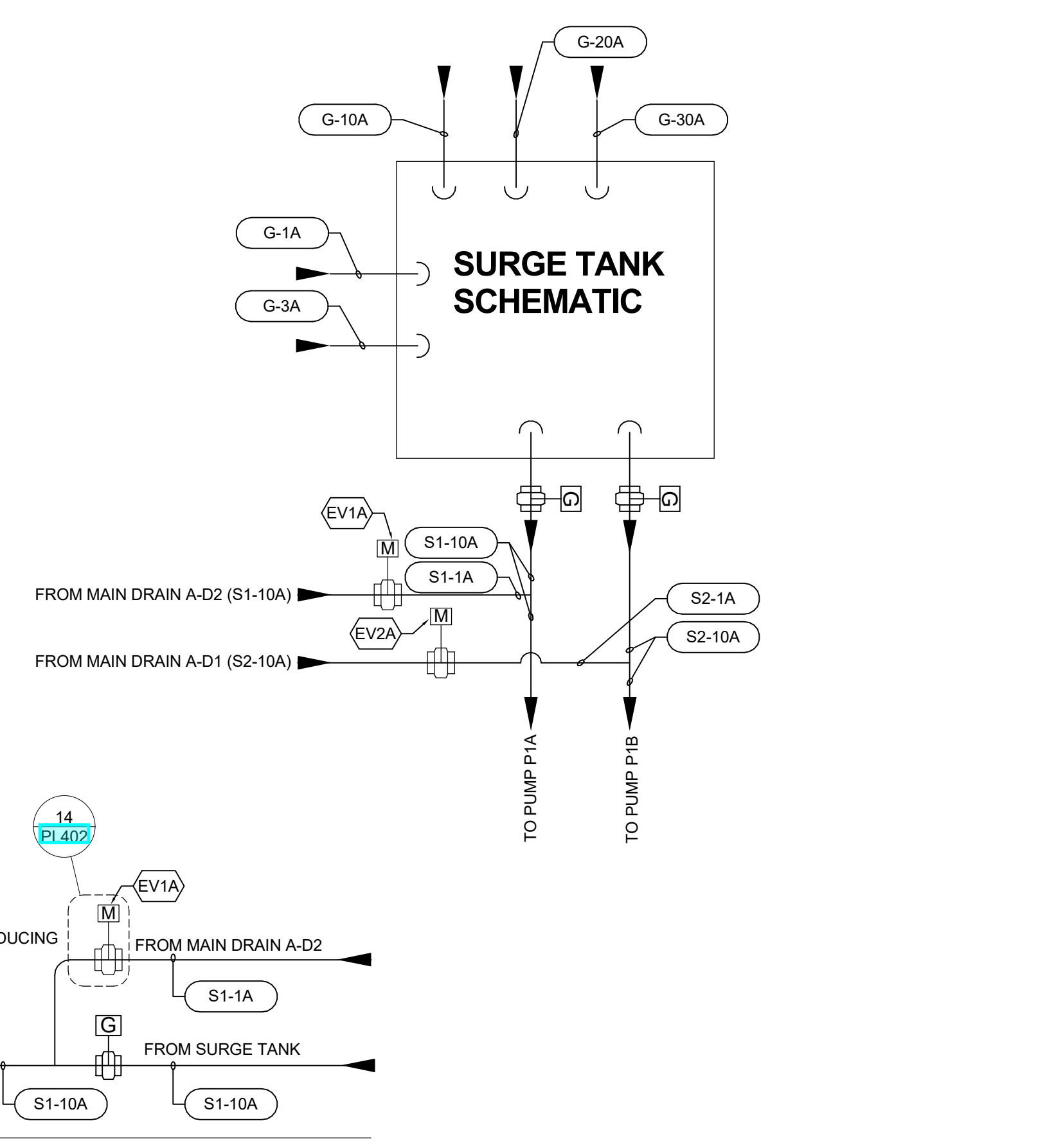
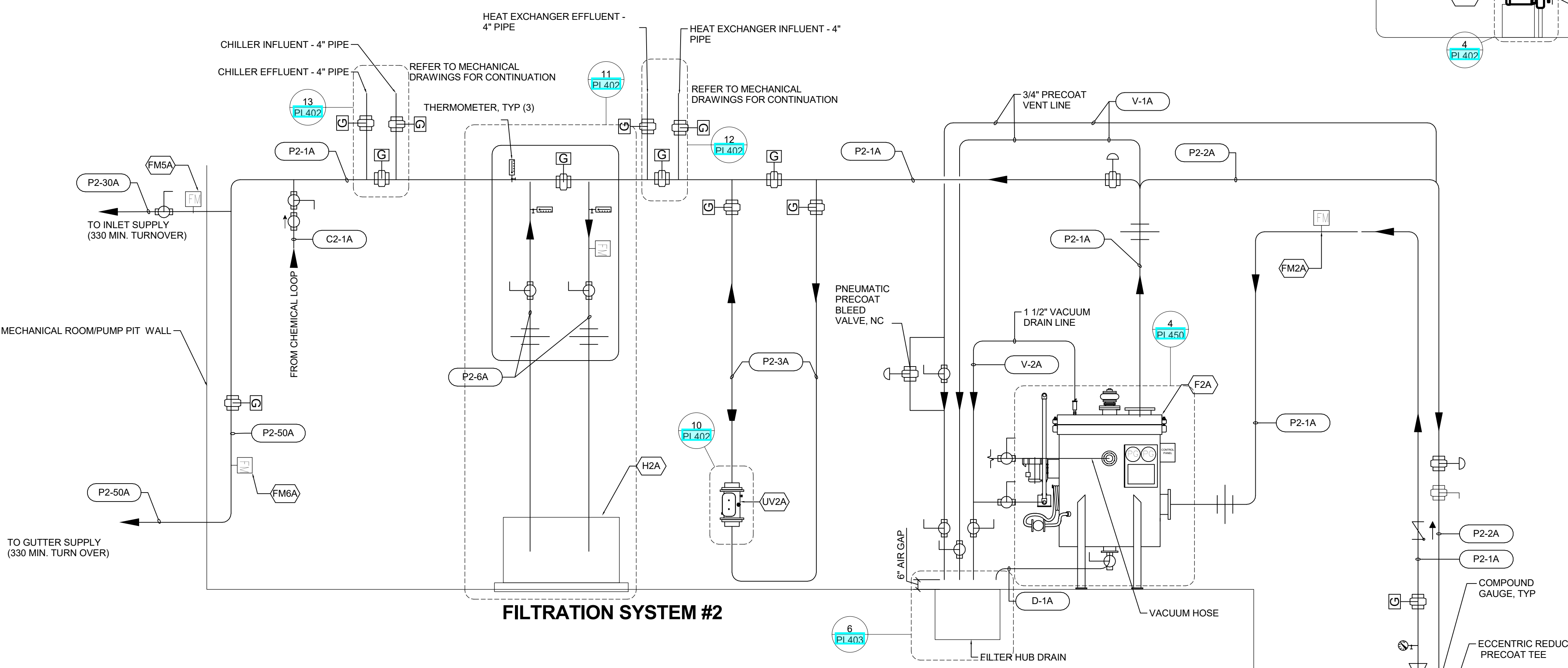
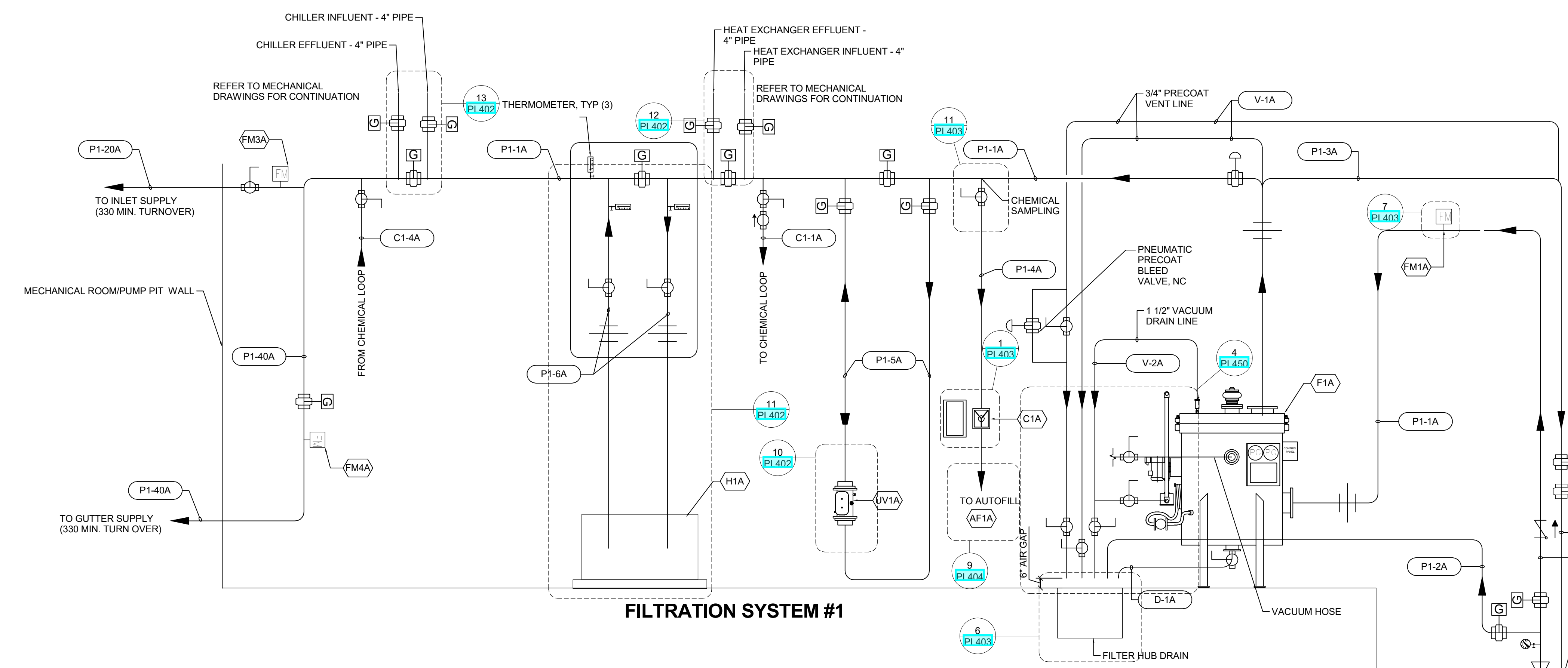


**POOL A - COMPETITION PIPE SCHEDULE**

PIPE ID	TYPE	NPS	FLOW (gpm)	VELOCITY (fps)	DESCRIPTION
S1-1A	PVC SCH 80	12	1,444	4.6	FILTRATION PUMP SUCTION - MAIN DRAIN
S1-10A	PVC SCH 80	12	1,444	4.6	FILTRATION PUMP SUCTION - SURGE TANK
S2-1A	PVC SCH 80	12	1,444	4.6	FILTRATION PUMP SUCTION - MAIN DRAIN
S2-10A	PVC SCH 80	12	1,444	4.6	FILTRATION PUMP SUCTION - SURGE TANK
P1-1A	PVC SCH 80	10	1,444	6.5	FILTRATION SUPPLY
P1-2A	PVC SCH 80	4	300	8.5	POOL DRAIN LINE
P1-3A	PVC SCH 80	6	0	0.0	FILTER PRECOAT
P1-4A	PVC SCH 80	0.75	10	7.5	CHEMICAL SAMPLING
P1-5A	PVC SCH 80	10	1,444	6.5	UV LOOP
P1-6A	PVC SCH 80	2.5	0	0.0	HEATER LOOP
C1-1A	PVC SCH 80	2.5	80	-	CHEMICAL LOOP
C1-2A	PVC SCH 80	1.5	0	-	CHLORINE INJECTION
C1-3A	PVC SCH 80	1.5	0	-	ACID INJECTION
C1-4A	PVC SCH 80	2.5	40	-	SYSTEM 1 CHEMICAL
C2-1A	PVC SCH 80	2.5	40	-	SYSTEM 2 CHEMICAL
P2-1A	PVC SCH 80	10	1,444	6.5	FILTRATION SUPPLY
P2-2A	PVC SCH 80	6	0	0.0	FILTER PRECOAT
P2-3A	PVC SCH 80	10	1,444	6.5	UV LOOP
P2-6A	PVC SCH 80	2.5	0	0.0	HEATER LOOP
C2-1A	PVC SCH 80	2.5	40	-	SYSTEM 2 CHEMICAL
V-1A	PVC SCH 80	0.75	0	-	PRECOAT VENT
V-2A	PVC SCH 80	0.75	0	-	FILTER VACUUM DRAIN
D-1A	PVC SCH 80	4	0	-	FILTER DRAIN
G-10A	PVC SCH 80	14	1,077	2.9	GUTTER
G-20A	PVC SCH 80	10	538	2.4	GUTTER
G-30A	PVC SCH 80	10	538	2.4	PADDOCK GUTTER CONNECTION
P1-20A	PVC SCH 80	3	150	7.5	INLET SUPPLY
P1-40A	PVC SCH 80	8	1,077	7.7	PADDOCK INLET SUPPLY
P2-30A	PVC SCH 80	3	150	7.5	INLET SUPPLY
P2-50A	PVC SCH 80	8	1,077	7.7	PADDOCK INLET SUPPLY
G-1A	PVC SCH 80	2	0	0.0	SENSOR
G-3A	PVC SCH 80	4	88	2.5	FILL LINE

**MECHANICAL SYMBOL LEGEND**

PUMP	
PUMP WITH INTEGRAL STRAINER	
STRAINER	
REGENERATIVE MEDIA FILTER	
HIGH RATE SAND FILTER (HORIZONTAL)	
HIGH RATE SAND FILTER (VERTICAL)	
POOL HEATER	
HEAT EXCHANGER	
UV UNIT	
CHEMICAL CONTROLLER	
CHEMICAL FEED PUMP	
PULSAR CHLORINE FEEDER	
PPG CHLORINE FEEDER	
CO2 FEEDER	
CHEMICAL STORAGE TANK	
CO2 STORAGE TANK	
AUTO FILL	
SURGE TANK VENTILATION FAN	
GEAR OPERATED BUTTERFLY VALVE	
LEVER OPERATED BUTTERFLY VALVE	
PNEUMATIC BUTTERFLY VALVE	
TRUE UNION BALL VALVE	
TRUE UNION CHECK VALVE	
ELECTRONIC MODULATING VALVE	
MODULATING FLOAT VALVE	
VENTURI	
SOLENOID VALVE	
CHECK VALVE	
WYE STRAINER	
CONCENTRIC REDUCER	
ECCENTRIC REDUCER	
FLANGED BREAK	
COMPOUND GAUGE	
THERMOMETER	
PRESSURE RELIEF VALVE	
EXPANSION JOINT	
FLOW SWITCH	
FLOW METER (SENSOR)	



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**SUBMITTAL HISTORY**

NO.	DATE	DESCRIPTION
1	13 JUNE 2019	IFC

PROFESSIONAL SEALS

**POOL A MECANICAL P&ID**

DRAWN BY: Author  
PROJECT NUMBER: 717030  
ORIGINAL ISSUE: IFC

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DATE: 13 JUNE 2019

**PL510**  
SHEET NUMBER

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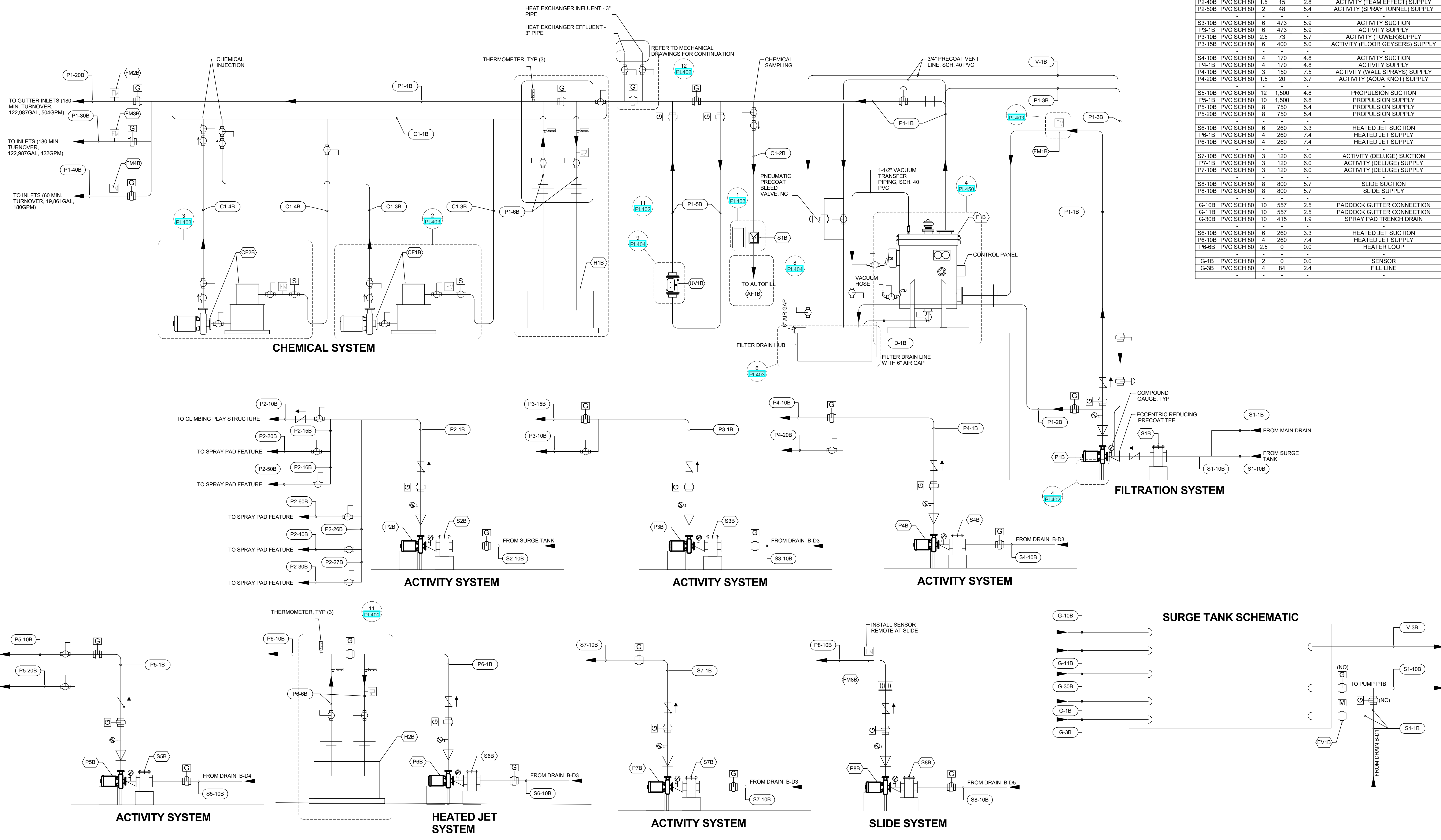
1 POOL A P&ID  
NOT TO SCALE







POOL B - LEISURE PIPE SCHEDULE					
PIPE ID	TYPE	NPS	FLOW VELOCITY		DESCRIPTION
			(in)	(gpm)	
S1-10B	PVC SCH 80	10	1,106	5.0	FILTRATION PUMP SUCTION - MAIN DRAIN
S1-10B	PVC SCH 80	10	1,106	5.0	FILTRATION PUMP SUCTION - SURGE...
P1-1B	PVC SCH 80	8	1,106	7.9	FILTRATION SUPPLY
P1-2B	PVC SCH 80	4	300	8.5	POOL DRAIN LINE
P1-3B	PVC SCH 80	4	0	0.0	FILTER PRECOAT
P1-5B	PVC SCH 80	8	1,106	7.9	UV LOOP
P1-6B	PVC SCH 80	2.5	0	0.0	HEATER LOOP
C1-1B	PVC SCH 80	2.5	80	-	CHEMICAL LOOP
C1-2B	PVC SCH 80	0.75	10	-	CHEMICAL SAMPLING
C1-3B	PVC SCH 80	1.5	0	-	CAL HYPO LOOP
C1-4B	PVC SCH 80	1	0	-	ACID LOOP
V-1B	PVC SCH 80	0.75	0	-	PRECOAT VENT
V-3B	PVC SCH 80	4	0	-	SURGE TANK EXHAUST
D-1B	PVC SCH 80	4	0	-	FILTER DRAIN
P1-20B	PVC SCH 80	6	504	6.3	GUTTER INLET SUPPLY (180 MIN...
P1-30B	PVC SCH 80	4	180	5.1	INLET SUPPLY (180 MIN TURNOVER)
P1-40B	PVC SCH 80	6	422	5.3	INLET SUPPLY (60 MIN. TURNOVER)
P2-15B	PVC SCH 80	4	173	4.9	ACTIVITY HEADER
P2-16B	PVC SCH 80	2	48	5.4	ACTIVITY HEADER
P2-25B	PVC SCH 80	1.5	42	7.9	ACTIVITY HEADER
P2-26B	PVC SCH 80	1.5	30	5.6	ACTIVITY HEADER
P2-27B	PVC SCH 80	1.5	15	2.8	ACTIVITY HEADER
S2-10B	PVC SCH 80	6	415	5.2	ACTIVITY SUCTION
P2-1B	PVC SCH 80	6	415	5.2	ACTIVITY SUPPLY
P2-20B	PVC SCH 80	3	125	6.2	ACTIVITY (GEYSERS) SUPPLY
P2-30B	PVC SCH 80	1.5	15	2.8	ACTIVITY (BATON) SUPPLY
P2-40B	PVC SCH 80	1.5	15	2.8	ACTIVITY (TEAM EFFECT) SUPPLY
P2-50B	PVC SCH 80	2	48	5.4	ACTIVITY (SPRAY TUNNEL) SUPPLY
S3-10B	PVC SCH 80	6	473	5.9	ACTIVITY SUCTION
P3-1B	PVC SCH 80	6	473	5.9	ACTIVITY SUPPLY
P3-10B	PVC SCH 80	2.5	73	5.7	ACTIVITY (TOWER) SUPPLY
P3-15B	PVC SCH 80	6	400	5.0	ACTIVITY (FLOOR GEYSERS) SUPPLY
S4-10B	PVC SCH 80	4	170	4.8	ACTIVITY SUCTION
P4-1B	PVC SCH 80	4	170	4.8	ACTIVITY SUPPLY
P4-10B	PVC SCH 80	3	150	7.5	ACTIVITY (WALL SPRAYS) SUPPLY
P4-20B	PVC SCH 80	1.5	20	3.7	ACTIVITY (AQUA KNOT) SUPPLY
S5-10B	PVC SCH 80	12	1,500	4.8	PROPULSION SUCTION
P5-1B	PVC SCH 80	10	1,500	6.8	PROPULSION SUPPLY
P5-10B	PVC SCH 80	8	750	5.4	PROPULSION SUPPLY
P5-20B	PVC SCH 80	8	750	5.4	PROPULSION SUPPLY
S6-10B	PVC SCH 80	6	260	3.3	HEATED JET SUCTION
P6-1B	PVC SCH 80	4	260	7.4	HEATED JET SUPPLY
P6-10B	PVC SCH 80	4	260	7.4	HEATED JET SUPPLY
S7-10B	PVC SCH 80	3	120	6.0	ACTIVITY (DELUGE) SUCTION
P7-1B	PVC SCH 80	3	120	6.0	ACTIVITY (DELUGE) SUPPLY
P7-10B	PVC SCH 80	3	120	6.0	ACTIVITY (DELUGE) SUPPLY
S8-10B	PVC SCH 80	8	800	5.7	SLIDE SUCTION
P8-10B	PVC SCH 80	8	800	5.7	SLIDE SUPPLY
G-10B	PVC SCH 80	10	557	2.5	PADDOCK GUTTER CONNECTION
G-11B	PVC SCH 80	10	557	2.5	PADDOCK GUTTER CONNECTION
G-30B	PVC SCH 80	10	415	1.9	SPRAY PAD TRENCH DRAIN
S6-10B	PVC SCH 80	6	260	3.3	HEATED JET SUCTION
P6-10B	PVC SCH 80	4	260	7.4	HEATED JET SUPPLY
P6-6B	PVC SCH 80	2.5	0	0.0	HEATER LOOP
G-1B	PVC SCH 80	2	0	0.0	SENSOR
G-3B	PVC SCH 80	4	84	2.4	FILL LINE



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NO.	DATE	DESCRIPTION
1	13 JUN 2019	IFC

13 JUN 2019 DATE  
SUBMITTAL DESCRIPTION  
PROFESSIONAL SEALS  
Brian W. Freber  
No. 0402 032975

POOL B MECHANICAL P&ID

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Author: [Signature] Checker: [Signature]  
PROJECT NUMBER: 717030 PROJECT ABBREVIATION: LBP  
ORIGINAL ISSUE DATE: 13 JUN 2019

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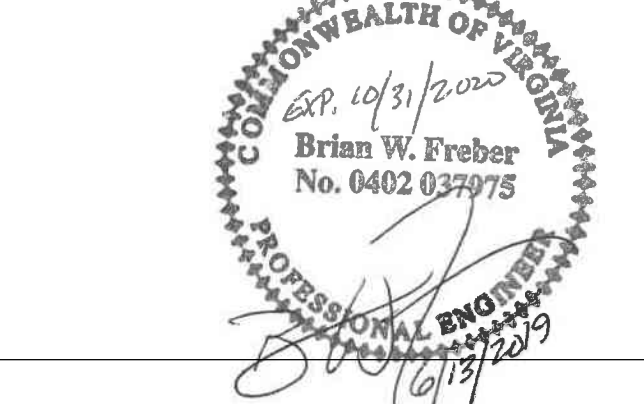


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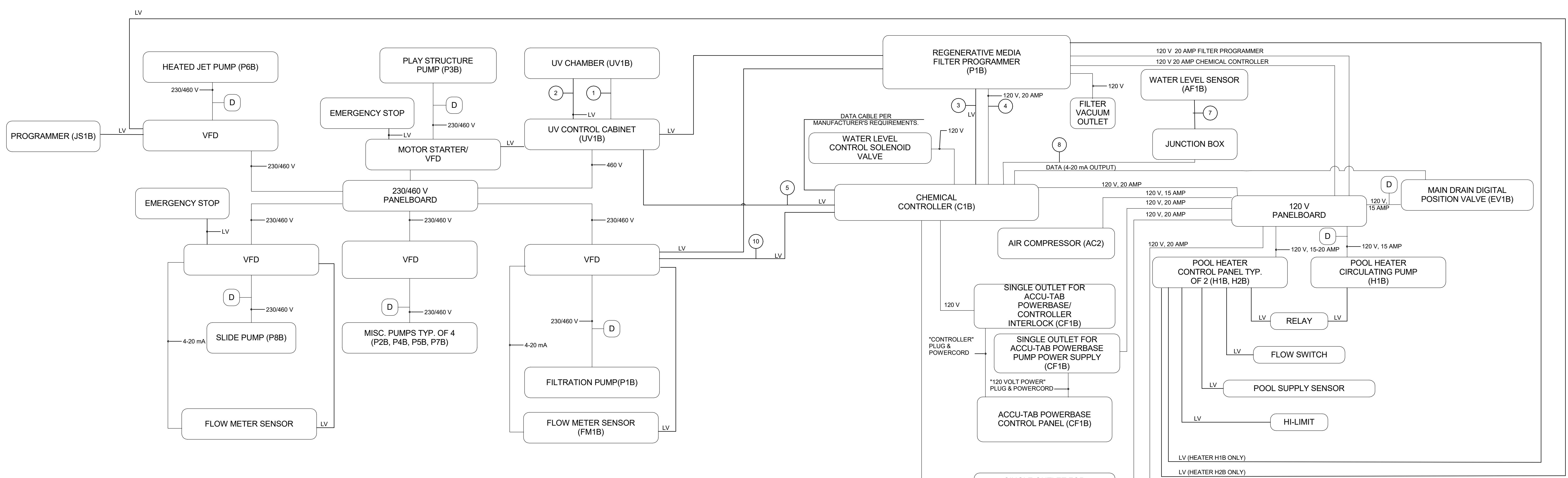
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**POOL B ELECTRICAL SCHEMATIC**

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Author	Checker
PROJECT NUMBER 717030	PROJECT ABBREVIATION LBP
ORIGINAL ISSUE	DATE 13 JUNE 2019



**SEQUENCE OF OPERATIONS - SWIMMING POOL WITH REGENERATIVE MEDIA FILTER SYSTEM**

- FILTRATION PUMP:**
- THE NORMAL OPERATING POSITION OF THE FILTRATION PUMP VFD HOA SWITCH IS THE "AUTO" POSITION. IN THE "AUTO" POSITION THE FILTRATION PUMP SHALL RUN AT DESIGN FLOW (FREQUENCY).
  - THE FILTRATION PUMP SHALL RUN WHEN THE FILTER PROGRAMMER IS IN THE FILTRATION MODE.
  - THE FILTRATION PUMP SHALL RUN AT REDUCED SPEED WHEN THE FILTER PROGRAMMER IS IN THE PRECOAT MODE. COORDINATE SPEED SETTING WITH FILTER COMMISSIONING AGENT.
  - THE FILTRATION PUMP SHALL NOT RUN WHEN THE FILTER PROGRAMMER IS IN THE BUMP OR OFF MODES.
- FILTER PROGRAMMER:**
- THE FILTER PROGRAMMER'S NORMAL OPERATION IS IN FILTRATION MODE.
  - THE FILTER BUMP CYCLE IS ACTIVATED BY THE FILTER PROGRAMMER EITHER AUTOMATICALLY OR BY A PUSH BUTTON.
  - THE FILTER PROGRAMMER SHALL RECEIVE A FEEDBACK SIGNAL FROM THE FILTRATION PUMP VFD THAT THE FILTRATION PUMP IS OPERATING.
  - THE FILTER PROGRAMMER IS SUPPLIED WITH AUXILIARY CONTACTS TO DISABLE OTHER POOL EQUIPMENT WHEN THE FILTRATION PUMP IS NOT RUNNING DUE TO PUMP FAILURE (FEEDBACK SIGNAL FROM VFD) OR THE PROGRAMMER IS IN THE BUMP OR OFF MODES.
- CHEMICAL CONTROLLER & CHEMICAL FEED OUTLETS:**
- THE CHEMICAL CONTROLLER CPU SHALL BE POWERED AT ALL TIMES.
  - THE CHEMICAL CONTROLLER AND CHEMICAL FEED OUTLETS SHALL BE INTERLOCKED SUCH THAT IF THE FILTRATION PUMP FAILS (SIGNAL VIA THE FILTER PROGRAMMER), THE IN-LINE FLOW SWITCH IS NOT MADE, OR THE FILTRATION PROGRAMMER IS IN THE BUMP OR OFF MODE, THE FEED OUTLETS ARE INACTIVE.
  - CHEMICAL CONTROLLER FEED OUTLETS ENERGIZES / DE-ENERGIZES SANITIZER AND pH FEED BASED UPON POOL WATER CHEMISTRY.
  - CHEMICAL CONTROLLER FEED OUTLETS ENERGIZES / DE-ENERGIZES ENZYME FEED BASED UPON TIMED DELIVERY.
- CHEMICAL FEED PUMPS:**
- THE CHEMICAL FEED PUMPS ARE ENERGIZED BY THE CHEMICAL FEED OUTLETS.
- ACCU-TAB POWERBASE CHLORINE FEEDER:**
- THE ACCU-TAB POWERBASE CONTROLLER IS POWERED ON/OFF BY THE CHEMICAL CONTROLLER FEED OUTLET.
  - THE ACCU-TAB POWERBASE CHLORINE BOOSTER PUMP IS POWERED BY THE PANELBOARD.
  - THE ACCU-TAB POWERBASE CHLORINE BOOSTER PUMP IS ALWAYS ON.
  - THE ACCU-TAB POWERBASE CONTROLLER ACTIVATES THE ACCU-TAB POWERBASE CHLORINE BOOSTER PUMP.
- ACIDRITE POWERBASE ACID FEEDER:**
- THE ACIDRITE POWERBASE CONTROLLER IS POWERED ON/OFF BY THE CHEMICAL CONTROLLER FEED OUTLET.
  - THE ACIDRITE POWERBASE CHLORINE BOOSTER PUMP IS POWERED BY THE PANELBOARD.
  - THE ACIDRITE POWERBASE CHLORINE BOOSTER PUMP IS ALWAYS ON.
  - THE ACIDRITE POWERBASE CONTROLLER ACTIVATES THE ACID RITE POWERBASE BOOSTER PUMP.
- POOL HEATER:**
- THE POOL HEATER SHALL BE INTERLOCKED SUCH THAT IF THE FILTRATION PUMP FAILS (SIGNAL VIA THE FILTER PROGRAMMER), OR THE FILTRATION PROGRAMMER IS IN THE BUMP OR OFF MODE, THE HEATER IS INACTIVE.
  - THE POOL HEATER CIRCULATING PUMP IS CONTROLLED BY THE POOL HEATER CONTROLLER.
  - POOL HEATER CYCLES ON AND OFF AS NEEDED BASED UPON POOL WATER TEMPERATURE.

- POOL HEATER IS INTERLOCKED WITH MANUFACTURER SUPPLIED FLOW SWITCH AND HI-LIMIT TEMP SENSORS.
- WHEN FLOW METER POWER SUPPLY IS ENERGIZED, THE FLOW METER SENSOR SHALL PROVIDE THE FLOW READOUT IN GPM.
- THE FLOW METER SHALL PROVIDE FLOW DATA TO THE INDICATED VFD AND CONTROL SPEED OF THE VFD BASED ON FLOW.
- THE UV UNIT IS NORMALLY ON.
- THE UV UNIT SHALL BE INTERLOCKED SUCH THAT IF THE FILTRATION PUMP FAILS (SIGNAL VIA THE FILTER PROGRAMMER), OR THE FILTER PROGRAMMER IS IN THE PRECOAT, BUMP, OR OFF MODES, THE FILTER PROGRAMMER SHALL SEND A SIGNAL TO TURN OFF THE UV.
- THE UV NORMALLY RUNS IN VARIABLE POWER MODE.
- COMBINED CHLORINE UV CONTROL, WITH FREE AND TOTAL CHLORINE SENSORS, THE CONTROLLER SHALL PROVIDE UV BOOST CONTROL OF A UV SYSTEM BASED UPON THE COMBINED CHLORINE SET POINT. WHEN COMBINED CHLORINE IS ABOVE THE SET POINT THE UV SYSTEM SHALL BOOST TO 100% TO INCREASE THE CHLORAMINE DESTRUCTION RATE. THE UV SHALL RETURN TO VARIABLE POWER MODE ONCE COMBINED CHLORINE DROPS BELOW THE SET POINT.

**POOL EQUIPMENT OPERATING MODES**

FILTRATION PROGRAMMER OPERATING MODE	FILTRATION PUMP	CHEMICAL CONTROLLER	CHLORINE FEED	ACID FEED	HEATER	UV
BUMP	0	X	0	0	0	0
PRECOAT	REDUCED SPEED	X	0	0	0	0
OFF	0	X	0	0	0	0
FILTRATION	X	X	X	X	X	X

\*X INDICATES THE EQUIPMENT IS ENERGIZED/RUNNING.  
0 INDICATES THE EQUIPMENT IS NOT ENERGIZED.

1 POOL B ELECTRICAL SCHEMATIC  
NONE

- NOTES:**
- LOW VOLTAGE =24V. ALL LOW VOLTAGE WIRING IS SUPPLIED, INSTALLED AND CONNECTED BY THE POOL CONTRACTOR.
  - IF CONDUIT IS REQUIRED BY CODE FOR LOW VOLTAGE WIRING, THEN THIS MUST BE SPECIFIED BY THE ELECTRICAL CONSULTANT AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
  - IF CODE REQUIRES THAT LOW VOLTAGE WIRING IS INSTALLED BY A LICENSED ELECTRICAL CONTRACTOR THEN THIS MUST BE SPECIFIED BY THE ELECTRICAL CONSULTANT.
  - CONDUIT, WIRE SIZES, AND SHIELDING REQUIREMENTS SHALL BE DETERMINED & SPECIFIED BY THE ELECTRICAL CONSULTANT AS NEEDED PER LOCAL BUILDING AND ELECTRICAL CODE REQUIREMENTS.
  - THIS SCHEMATIC DRAWING IS NOT AN ELECTRICAL INSTALLATION DIAGRAM AND IS FOR REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THE POOL CONTRACTOR TO COORDINATE ALL INTERLOCKS WITH THE ELECTRICAL CONTRACTOR. THE POOL CONTRACTOR IS RESPONSIBLE TO PROVIDE AN OPERATING SYSTEM PER THE SEQUENCE OF OPERATIONS.

- KEYNOTES:**
- WIRING (LAMP POWER CORD) FURNISHED WITH UV UNIT AND INSTALLED BY THE ELECTRICAL CONTRACTOR. FINAL CONNECTIONS TO UV CHAMBER AND CONTROL CABINET BY POOL CONTRACTOR.
  - FURNISHED WITH UV UNIT AND INSTALLED BY POOL CONTRACTOR.
  - TDS CONTROL.
  - POWER FOR THE CHEMICAL FEEDERS. WHEN FILTER PROGRAMMER IS OFF, PRECOAT, BUMP MODE OR THE FILTRATION PUMP NOT RUNNING DUE TO POWER FAILURE (SIGNAL FROM VFD), THIS CONNECTION SHALL INACTIVE CHEMICAL FEED TO THE SYSTEM.
  - UV BOOST SIGNAL BASED ON COMBINED CHLORINE.
  - NOT USED.
  - SENSOR CABLE FROM WATER LEVEL SENSOR. FURNISHED WITH WATER LEVEL SENSOR AND INSTALLED BY POOL CONTRACTOR.
  - CONDUCTOR CABLE CONTAINS POWER AND SIGNAL CABLES. COORDINATE REQUIREMENTS WITH WATER LEVEL SENSOR AND CHEMICAL CONTROLLER MANUFACTURERS.
  - NOT USED.
  - VFD ANALOG OUTPUT REPEAT FLOW METER DATA TO CHEMICAL CONTROLLER.

- LEGEND:**
- LOW VOLTAGE
  - LINE VOLTAGE
  - CONTRACTOR TO COORDINATE WITH EQUIPMENT REQUIREMENTS
  - DISCONNECT - LOCATE AT EQUIPMENT PER CODE REQUIREMENTS



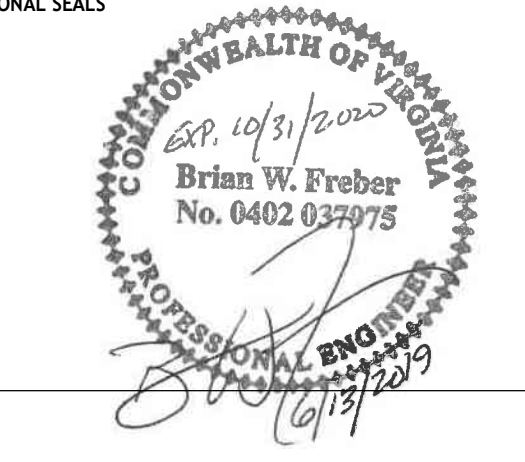


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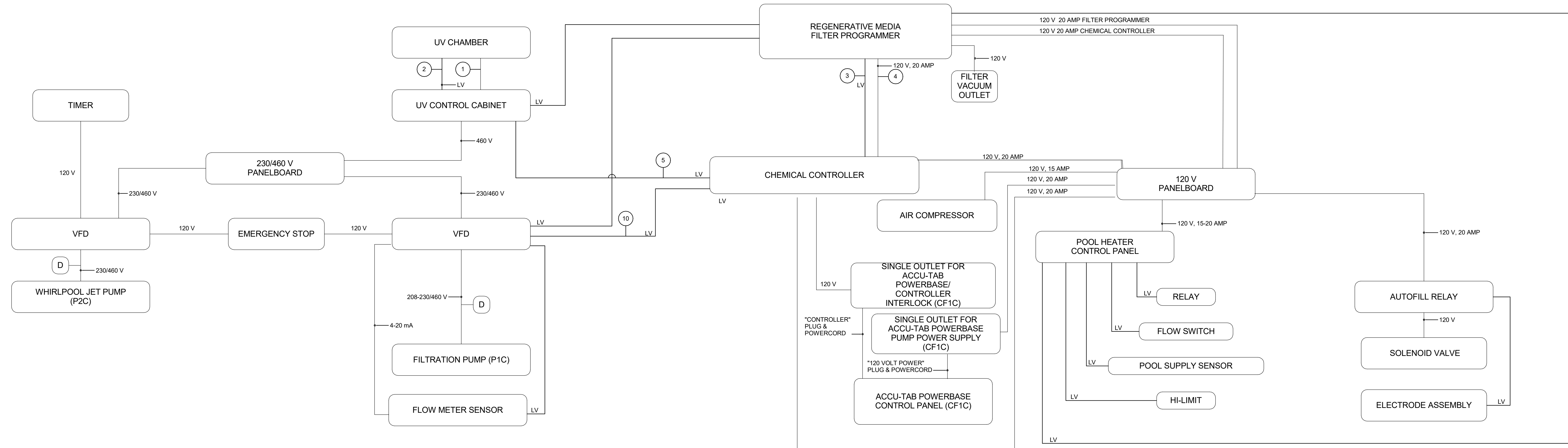
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**POOL C ELECTRICAL SCHEMATIC**

DRAWN BY Author	CHECKED BY Checker
PROJECT NUMBER 717030	PROJECT ABBREVIATION LBP
ORIGINAL ISSUE IFC	DATE 13 JUNE 2019

**PL531**  
SHEET NUMBER



**SEQUENCE OF OPERATIONS - SWIMMING POOL WITH REGENERATIVE MEDIA FILTER SYSTEM**

- FILTRATION PUMP:**
- THE NORMAL OPERATING POSITION OF THE FILTRATION PUMP VFD HOA SWITCH IS THE "AUTO" POSITION. IN THE "AUTO" POSITION THE FILTRATION PUMP SHALL RUN AT DESIGN FLOW (FREQUENCY).
  - THE FILTRATION PUMP SHALL RUN WHEN THE FILTER PROGRAMMER IS IN THE FILTRATION MODE.
  - THE FILTRATION PUMP SHALL RUN AT REDUCED SPEED WHEN THE FILTER PROGRAMMER IS IN THE PRECOAT MODE. COORDINATE SPEED SETTING WITH FILTER COMMISSIONING AGENT.
  - THE FILTRATION PUMP SHALL NOT RUN WHEN THE FILTER PROGRAMMER IS IN THE BUMP OR OFF MODES.

- FILTER PROGRAMMER:**
- THE FILTER PROGRAMMER'S NORMAL OPERATION IS IN FILTRATION MODE.
  - THE FILTER BUMP CYCLE IS ACTIVATED BY THE FILTER PROGRAMMER EITHER AUTOMATICALLY OR BY A PUSH BUTTON.
  - THE FILTER PROGRAMMER SHALL RECEIVE A FEEDBACK SIGNAL FROM THE FILTRATION PUMP VFD THAT THE FILTRATION PUMP IS OPERATING.
  - THE FILTER PROGRAMMER IS SUPPLIED WITH AUXILIARY CONTACTS TO DISABLE OTHER POOL EQUIPMENT WHEN THE FILTRATION PUMP IS NOT RUNNING DUE TO PUMP FAILURE (FEEDBACK SIGNAL FROM VFD) OR THE PROGRAMMER IS IN THE BUMP OR OFF MODES.

- CHEMICAL CONTROLLER & CHEMICAL FEED OUTLETS:**
- THE CHEMICAL CONTROLLER CPU SHALL BE POWERED AT ALL TIMES.
  - THE CHEMICAL CONTROLLER AND CHEMICAL FEED OUTLETS SHALL BE INTERLOCKED SUCH THAT IF THE FILTRATION PUMP FAILS (SIGNAL VIA THE FILTER PROGRAMMER), THE IN-LINE FLOW SWITCH IS NOT MADE. OR THE FILTRATION PROGRAMMER IS IN THE BUMP OR OFF MODE; THE FEED OUTLETS ARE INACTIVE.
  - CHEMICAL CONTROLLER FEED OUTLETS ENERGIZES / DE-ENERGIZES SANITIZER AND pH FEED BASED UPON POOL WATER CHEMISTRY.
  - CHEMICAL CONTROLLER FEED OUTLETS ENERGIZES / DE-ENERGIZES ENZYME FEED BASED UPON TIMED DELIVERY.

- CHEMICAL FEED PUMPS**
- THE CHEMICAL FEED PUMPS ARE ENERGIZED BY THE CHEMICAL FEED OUTLETS.

- ACCU-TAB POWERBASE CHLORINE FEEDER:**
- THE ACCU-TAB POWERBASE CONTROLLER IS POWERED ON/OFF BY THE CHEMICAL CONTROLLER FEED OUTLET.
  - THE ACCU-TAB POWERBASE CHLORINE BOOSTER PUMP IS POWERED BY THE PANELBOARD. THE ACCU-TAB POWERBASE CHLORINE BOOSTER PUMP IS ALWAYS ON.
  - THE ACCU-TAB POWERBASE CONTROLLER ACTIVATES THE ACCU-TAB POWERBASE CHLORINE BOOSTER PUMP.

- ACIDRITE POWERBASE ACID FEEDER:**
- THE ACIDRITE POWERBASE CONTROLLER IS POWERED ON/OFF BY THE CHEMICAL CONTROLLER FEED OUTLET.
  - THE ACIDRITE POWERBASE CHLORINE BOOSTER PUMP IS POWERED BY THE PANELBOARD. THE ACIDRITE POWERBASE CHLORINE BOOSTER PUMP IS ALWAYS ON.
  - THE ACIDRITE POWERBASE CONTROLLER ACTIVATES THE ACID RITE POWERBASE BOOSTER PUMP.

- POOL HEATER:**
- THE POOL HEATER SHALL BE INTERLOCKED SUCH THAT IF THE FILTRATION PUMP FAILS (SIGNAL VIA THE FILTER PROGRAMMER), OR THE FILTRATION PROGRAMMER IS IN THE BUMP OR OFF MODE; THE HEATER IS INACTIVE.
  - THE POOL HEATER CIRCULATING PUMP IS CONTROLLED BY THE POOL HEATER CONTROLLER.
  - POOL HEATER CYCLES ON AND OFF AS NEEDED BASED UPON POOL WATER TEMPERATURE.

- POOL HEATER IS INTERLOCKED WITH MANUFACTURER SUPPLIED FLOW SWITCH AND HI-LIMIT TEMP SENSORS.

- FLOW METER:**
- WHEN FLOW METER POWER SUPPLY IS ENERGIZED, THE FLOW METER SENSOR SHALL PROVIDE THE FLOW READOUT IN GPM.
  - THE FLOW METER SHALL PROVIDE FLOW DATA TO THE INDICATED VFD AND CONTROL SPEED OF THE VFD BASED ON FLOW.

- ULTRAVIOLET (UV) DISINFECTION UNIT:**
- THE UV UNIT IS NORMALLY ON.
  - THE UV UNIT SHALL BE INTERLOCKED SUCH THAT IF THE FILTRATION PUMP FAILS (SIGNAL VIA THE FILTER PROGRAMMER), OR THE FILTER PROGRAMMER IS IN THE PRECOAT, BUMP, OR OFF MODES. THE FILTER PROGRAMMER SHALL SEND A SIGNAL TO TURN OFF THE UV.
  - THE UV NORMALLY RUNS IN VARIABLE POWER MODE.
  - COMBINED CHLORINE UV CONTROL: WITH FREE AND TOTAL CHLORINE SENSORS, THE CONTROLLER SHALL PROVIDE UV BOOST CONTROL OF A UV SYSTEM BASED UPON THE COMBINED CHLORINE SET POINT. WHEN COMBINED CHLORINE IS ABOVE THE SET POINT THE UV SYSTEM SHALL BOOST TO 100% TO INCREASE THE CHLORAMINE DESTRUCTION RATE. THE UV SHALL RETURN TO VARIABLE POWER MODE ONCE COMBINED CHLORINE DROPS BELOW THE SET POINT.

FILTRATION PROGRAMMER OPERATING MODE	FILTRATION PUMP	CHEMICAL CONTROLLER	CHLORINE FEED	ACID FEED	HEATER	UV
BUMP	0	X	0	0	0	0
PRECOAT	REDUCED SPEED	X	0	0	0	0
OFF	0	X	0	0	0	0
FILTRATION	X	X	X	X	X	X

- NOTES:**
- LOW VOLTAGE <=24V. ALL LOW VOLTAGE WIRING IS SUPPLIED, INSTALLED AND CONNECTED BY THE POOL CONTRACTOR.
  - IF CONDUIT IS REQUIRED BY CODE FOR LOW VOLTAGE WIRING, THEN THIS MUST BE SPECIFIED BY THE ELECTRICAL CONSULTANT AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
  - IF CODE REQUIRES THAT LOW VOLTAGE WIRING IS INSTALLED BY A LICENSED ELECTRICAL CONTRACTOR THEN THIS MUST BE SPECIFIED BY THE ELECTRICAL CONSULTANT.
  - CONDUIT, WIRE SIZES, AND SHIELDING REQUIREMENTS SHALL BE DETERMINED & SPECIFIED BY THE ELECTRICAL CONSULTANT AS NEEDED PER LOCAL BUILDING AND ELECTRICAL CODE REQUIREMENTS.
  - THIS SCHEMATIC DRAWING IS NOT AN ELECTRICAL INSTALLATION DIAGRAM AND IS FOR REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THE POOL CONTRACTOR TO COORDINATE ALL INTERLOCKS WITH THE ELECTRICAL CONTRACTOR. THE POOL CONTRACTOR IS RESPONSIBLE TO PROVIDE AN OPERATING SYSTEM PER THE SEQUENCE OF OPERATIONS.

- KEYNOTES: (#)**
- WIRING (LAMP POWER CORD) FURNISHED WITH UV UNIT AND INSTALLED BY THE ELECTRICAL CONTRACTOR. FINAL CONNECTIONS TO UV CHAMBER AND CONTROL CABINET BY POOL CONTRACTOR
  - FURNISHED WITH UV UNIT AND INSTALLED BY POOL CONTRACTOR
  - TDS CONTROL
  - POWER FOR THE CHEMICAL FEEDERS. WHEN FILTER PROGRAMMER IS OFF, PRECOAT, BUMP MODE OR THE FILTRATION PUMP NOT RUNNING DUE TO POWER FAILURE (SIGNAL FROM VFD), THIS CONNECTION SHALL INACTIVE CHEMICAL FEED TO THE SYSTEM.
  - UV BOOST SIGNAL BASED ON COMBINED CHLORINE.
  - NOT USED
  - SENSOR CABLE FROM WATER LEVEL SENSOR. FURNISHED WITH WATER LEVEL SENSOR AND INSTALLED BY POOL CONTRACTOR.
  - CONDUCTOR CABLE CONTAINS POWER AND SIGNAL CABLES. COORDINATE REQUIREMENTS WITH WATER LEVEL SENSOR AND CHEMICAL CONTROLLER MANUFACTURERS.
  - NOT USED.
  - VFD ANALOG OUTPUT REPEAT FLOW METER DATA TO CHEMICAL CONTROLLER.

- LEGEND:**
- LOW VOLTAGE
  - LINE VOLTAGE
  - CONTRACTOR TO COORDINATE WITH EQUIPMENT REQUIREMENTS
  - DISCONNECT - LOCATE AT EQUIPMENT PER CODE REQUIREMENTS

1 POOL C ELECTRICAL SCHEMATIC  
NONE



EXHIBIT D  
LIVING WAGE FORMS

# **WAGE NOTICE**

THE HOURLY RATE FOR EMPLOYEES OF THE CONTRACTOR AND ANY SUBCONTRACTORS WORKING ON COUNTY-OWNED, COUNTY-CONTROLLED PROPERTY, FACILITIES OWNED, OR LEASED, AND OPERATED BY A CONTRACTOR IF SERVICES PROVIDED AT THAT LOCATION ARE EXCLUSIVE TO ARLINGTON COUNTY, OR CONTRACTS FOR HOME-BASED CLIENT SERVICES MUST NOT BE LOWER THAN

**\$17.00 PER HOUR**

REFERENCE: ARLINGTON COUNTY PURCHASING RESOLUTION  
SECTION 4-103

**FOR INFORMATION CONTACT:**

ARLINGTON COUNTY  
OFFICE OF THE PURCHASING AGENT  
2100 CLARENDON BOULEVARD, SUITE 500  
ARLINGTON, VA 22201  
703-228-3410

# **AVISO de SALARIO**

## **MINIMO**

LA TARIFA HORARIA DE LOS EMPLEADOS DEL CONTRATISTA, Y DE CUALQUIER SUBCONTRATISTA QUE TRABAJE EN PROPIEDADES DEL CONDADO, EN INSTALACIONES PROPIAS/ALQUILADAS Y OPERADAS POR UN CONTRATISTA SI LOS SERVICIOS PRESTADOS EN ESE LUGAR SON EXCLUSIVOS DEL CONDADO DE ARLINGTON, O EN CONTRATOS DE SERVICIOS DOMICILIARIOS A CLIENTES, NO DEBE SER INFERIOR  
A

**\$17.00 POR HORA**

REFERENCIA: SECCIÓN 4-103, DE LA RESOLUCIÓN DE LA OFICINA DEL AGENTE DE COMPRAS DEL CONDADO DE ARLINGTON.  
(ARLINGTON COUNTY PURCHASING RESOLUTION SECTION 4-103)

**PARA OBTENER MAS INFORMACIÓN, LLAME A:**  
LA OFICINA DEL AGENTE DE COMPRAS DEL CONDADO DE  
ARLINGTON.  
703-228-3410.

**PARA INFORMACION EN PERSONA DIRIJASE A:**  
2100 CLARENDON BOULEVARD, OFICINA No 500  
ARLINGTON, VA 22201





**EXHIBIT F**  
**CONTRACTOR PERFORMANCE EVALUATION FORM**

**ARLINGTON COUNTY GOVERNMENT**

Contractor Performance Evaluation Form

Contractor Name: \_\_\_\_\_ Contract No.: \_\_\_\_\_

Date: \_\_\_\_\_ Project/Contract Name: \_\_\_\_\_

Interim Evaluation \_\_\_\_ Final Evaluation \_\_\_\_

Scope of Work/Services Provided:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Contract Start Date: \_\_\_\_/\_\_\_\_/\_\_\_\_ Contract End Date: \_\_\_\_/\_\_\_\_/\_\_\_\_ Actual Completion Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

Please rate the effectiveness of the Contractor's performance on the Contract/Project across the following dimensions:

Evaluation Criteria:      Unacceptable      Poor      Satisfactory      Excellent

Written comments to explain assigned ratings are required for any performance ratings below "satisfactory" or an "excellent" in any category.

Evaluation Questions

1. Quality of Workmanship

Rate the quality of the Contractor's workmanship. Were there quality-related or workmanship problems on the Contract? Was the Contractor responsive to remedial work required?

\_\_\_\_ Unacceptable      \_\_\_\_ Poor      \_\_\_\_ Satisfactory      \_\_\_\_ Excellent      \_\_\_\_ N/A

2. Problem Solving and Decision Making

Rate the Contractor's ability to provide effective and creative problem solving, coordination and fair decision making on Contract/Project.

\_\_\_\_ Unacceptable      \_\_\_\_ Poor      \_\_\_\_ Satisfactory      \_\_\_\_ Excellent      \_\_\_\_ N/A

3. Project Schedule

Rate the Contractor’s performance with regard to adhering to contract schedules. Did the Contractor meet the contract schedule, or the schedule as revised by approved change orders? If not was the delay attributable to the Contractor?

\_\_\_ Unacceptable      \_\_\_ Poor      \_\_\_ Satisfactory      \_\_\_ Excellent      \_\_\_ N/A

4. Subcontractor Management

Rate the Contractor’s ability, effort and success in managing and coordinating subcontractors (if no subcontractors rate the Contractor’s overall project management). Was the Contractor able to effectively resolve problems?

\_\_\_ Unacceptable      \_\_\_ Poor      \_\_\_ Satisfactory      \_\_\_ Excellent      \_\_\_ N/A

5. Safety

Rate the Contractor’s safety procedures on this Contract/Project? Were there any OSHA violations or serious safety accidents?

\_\_\_ Unacceptable      \_\_\_ Poor      \_\_\_ Satisfactory      \_\_\_ Excellent      \_\_\_ N/A

6. Environmental Compliance

Did the Contractor comply with local, state, and federal environmental standards in the performance of the Contract? Did the Contractor comply in good faith with local erosion and sedimentation control requirements and/or any Stormwater Pollution Prevention Plan?

\_\_\_ Unacceptable      \_\_\_ Poor      \_\_\_ Satisfactory      \_\_\_ Excellent      \_\_\_ N/A

7. Change Orders

Did the Contractor unreasonably claim change orders or extras? Were the Contractor’s prices on change orders and extra work reasonable?

\_\_\_ Unacceptable      \_\_\_ Poor      \_\_\_ Satisfactory      \_\_\_ Excellent      \_\_\_ N/A

8. Paperwork Processing

Rate this Contractor’s performance in completing and submitting required project paperwork (i.e. change orders, submittal, drawings, invoices, workforce reports, etc.) Did the Contractor submit the required paperwork promptly and in proper form?

\_\_\_ Unacceptable      \_\_\_ Poor      \_\_\_ Satisfactory      \_\_\_ Excellent      \_\_\_ N/A

9. Supervisory Personnel

Rate the general performance of this Contractor’s supervisory personnel. Did they have the knowledge, management skills and experience to run a project of this size and scope?

\_\_\_ Unacceptable      \_\_\_ Poor      \_\_\_ Satisfactory      \_\_\_ Excellent      \_\_\_ N/A

10. Expertise, Knowledge and Experience

Rate this Contractor’s personnel. Were they dedicated, experienced and qualified for the duration of project.

\_\_\_ Unacceptable      \_\_\_ Poor      \_\_\_ Satisfactory      \_\_\_ Excellent      \_\_\_ N/A

11. Project/Contract Closeout

Rate the Contractor’s performance on timeliness and quality of closeout deliverables such as As-Built Drawings, Operation and Maintenance Manuals, and training. Did the Contractor complete the tasks or Project on schedule; was the punch list completed within the allotted time?

\_\_\_ Unacceptable      \_\_\_ Poor      \_\_\_ Satisfactory      \_\_\_ Excellent      \_\_\_ N/A

12. Level of Overall Performance

\_\_\_ Unacceptable      \_\_\_ Poor      \_\_\_ Satisfactory      \_\_\_ Excellent      \_\_\_ N/A

Based on these comments, would you recommend this Contractor for comparable work in the future?

Yes        No

Please provide any comments regarding the contractor’s performance or the quality of its work. The Contractor can also provide any comments or clarification on the evaluation in the box below.

(Project Officer or Contractor, use additional sheets, if Necessary):

Signatures and Certifications:

1. The information contained in this evaluation form represents, to the best of my knowledge, a true and accurate analysis of the Contractor's performance record on this Contract; and,
2. The contents on the evaluation form and the ratings were not negotiated with the Contractor or its representative for any reason.

Evaluator's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Evaluator's (PjO) Printed Name \_\_\_\_\_ Evaluator's Title: \_\_\_\_\_

Contractor's signature below acknowledges receipt and the opportunity to respond:

Contractor Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Contractor Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

**EVALUATION RATINGS DEFINITIONS**

Rating	Definition	Notes
Excellent	Performance meets contractual requirements and exceeds many to the County’s benefit. The contractual performance of the element or sub-element being evaluated was accomplished with few minor problems for which corrective actions taken by the contractor were highly effective.	To justify an Exceptional rating, identify multiple significant events and state how they were of benefit to the County. A singular benefit, however, could be of such magnitude that it alone constitutes an Exceptional rating. Also, there should have been NO significant weaknesses identified.
Satisfactory	Performance meets contractual requirements. The contractual performance of the element or sub-element contains some minor problems for which corrective actions taken by the contractor appear or were satisfactory.	To justify a Satisfactory rating, there should have been only minor problems, or major problems the contractor recovered from without impact to the contract/order. There should have been NO significant weaknesses identified. A fundamental principle of assigning ratings is that contractors will not be evaluated with a rating lower than Satisfactory solely for not performing beyond the requirements of the contract/order.
Poor	Performance does not meet some contractual requirements. The contractual performance of the element or sub-element being evaluated reflects a serious problem for which the contractor has not yet identified corrective actions. The contractor’s proposed actions appear only marginally effective or were not fully implemented.	To justify poor performance, identify a significant event in each category that the contractor had trouble overcoming and state how it impacted the County. A poor rating should be supported by referencing the management tool that notified the contractor of the contractual deficiency (e.g., management, quality, safety, or environmental deficiency report or letter).
Unacceptable	Performance does not meet most contractual requirements and recovery is not likely in a timely manner. The contractual performance of the element or sub-element contains a serious problem(s) for which the contractor’s corrective actions appear or were ineffective.	To justify an Unsatisfactory rating, identify multiple significant events in each category that the contractor had trouble overcoming and state how it impacted the County. A singular problem, however, could be of such serious magnitude that it alone constitutes an unsatisfactory rating. An Unsatisfactory rating should be supported by referencing the management tools used to notify the contractor of the contractual deficiencies (e.g., management, quality, safety, or environmental deficiency reports, or letters).
Not Applicable (N/A)	N/A (not applicable) should be used if the ratings are not going to be applied to a particular area for evaluation.	

END