

Bruce E. Young Chairman Lake George Park Commission

> Dave Wick Executive Director

INVITATION FOR BIDS

Project:	Construction Finishing of Basement for New LGPC Building
IFB#:	D20200100
Release Date:	Friday, October 30, 2020
Bid Due Date:	Wednesday, December 9, 2020 at 3pm

Purpose

The Lake George Park Commission is soliciting bids for construction services related to the finishing of the basement level of the new LGPC building, in preparation for a new Visitors Center. Work includes framing, plumbing, electrical and HVAC. This is a prevailing wage contract.

Important Dates:

- Friday, November 13, 10am, pre-bid site meeting (non-mandatory but recommended)
- Friday, November 20, 3pm, deadline for questions to Commission
- Monday, November 30, responses to questions back to bidders
- Wednesday, December 9, 3pm, bid deadline and opening

NOTICE TO BIDDERS:

The Commission will receive bids pursuant to the provisions of Article XI of the State Finance Law. Receipt of these bid documents does not indicate that the Commission has predetermined your company's qualifications to receive a contract award. Such determination will be made after the bid opening and will be based on our evaluation of your bid submission compared to the specific requirements and qualifications contained in these bid documents.

SCOPE OF WORK UNDER THIS IFB:

General Scope of Work Under this IFB: The attached specifications describe the specific stages of construction and specific requirements and expected work in detail. The general scope of work under this IFB includes:

- Construct interior wood frame walls, door/window rough openings, 70 linear feet, 9 feet high, two sides finished, total approximately 1,260 ft2
- Install 5 interior doors, see door schedule
- Install 1 interior window, see schedule
- Install two toilets, three sinks, two drinking fountains, and one hot water heater
- Install heating/cooling units as noted on plans
- Install electrical, plumbing and heating supply lines
- Install sewage grinder pump
- Install wall insulation and sheet rock, finished and painted
- Paint floors, walls and trim as shown on plans
- Install light fixtures as shown on plans

PROJECT TIMEFRAME

<u>Bid award is anticipated in December 2020</u>, followed by contract development and execution and approval by NYS. Work under this contract may progress at any time after receipt of a "Notice to Proceed" from the Commission, anticipated January 2021. The work must be completed prior to May 1, 2021 unless extension granted by written approval by the Commission.

List of Drawings: This Invitation for Bids consists of two parts: this narrative including appendices, plus a design packet consisting of five specification sheets.

BID PREPARATION

Prepare your bid on the form included herein using ink. One copy of the bid is required.

PROPOSAL GUARANTY (BID BOND)

Each Proposal shall be accompanied by a certified check or bid bond (see Page 11), in an amount equal to <u>5% of the</u> <u>Proposal</u>, payable without condition to the Owner, as a guaranty that the Bidder, if awarded the Contract, will promptly execute the Agreement in accordance with the Proposal and the other Contract Documents, and will furnish good and sufficient bond for the faithful performance of the same, and for the payment to all persons supplying labor and material for the work. The Proposal Guaranties of all Bidders except the three lowest will be returned promptly after the canvass of Proposals.

BID SUBMISSION

Bidders assume all risks for timely, properly submitted deliveries. Bidders are strongly encouraged to arrange for delivery of bids to the Commission prior to the date and time of the bid opening. Late bids will be rejected and returned unopened. E-mail bid submissions are not acceptable and will not be considered. The NYSLGPC is not responsible for lost or late mailings.

Original bid proposal must be delivered no later than 3pm on Wednesday, December 9, 2020 to:

NYS Lake George Park Commission 75 Fort George Road PO Box 749 Lake George, NY 12845 Attn: BID ENCLOSED

BID SUBMISSIONS MUST INCLUDE

- 1. Bid Proposal Form (Included as page 5)
- 2. Bid Bond (Form Included as page 11)
- 3. Non-Collusion and Sexual Harassment Certifications (included as page 12)
- 4. OGS Form BDC 59 "Wicks Exempt List of Subcontractors" (included as pages 13-14)

METHOD OF AWARD

The award shall be made to the lowest responsible bidder.

ADDRESS OF WORKSITE

75 Fort George Road Lake George, NY 12845

METHOD/RESPONSE TO IFB INQUIRIES

All requests for information pertinent to the preparation and submission of the bid and the procurement process are to be made by **3pm, November 20, 2020** to (email preferred):

Dave Wick, LGPC Executive Director PO Box 749, 75 Fort George Road Lake George, NY 12845 Phone No: (518) 668-9347, E-Mail: dave@lgpc.state.ny.us

Answers to all questions will be given to all Prospective Bidders in the form of a formal addendum no later than **November 30, 2020** via e-mail, which will become part of the ensuing contract. LGPC is responsible for providing addenda or responding to questions only from those persons or firms having obtained the Invitation for Bid documents from LGPC. Persons or firms obtaining the IFB documents from sources other than LGPC, bear the sole responsibility for obtaining any addenda issued, or responses to questions about the project. If it is necessary to revise this Invitation for Bid before the due date for bids, revisions will be provided only to firms who have requested the bid documents from LGPC. Any and all communications between any of the parties, (i.e., NYSLGPC or Bidders) relating to award of this Contract shall be through the NYSLGPC personnel indicated in this provision as contact personnel for receipt of requests for interpretations and clarifications on the Bidding Documents. If any interested vendor wishes to visit the project site, please contact the Commission at the above phone number to arrange the visit.

PRE-BID SITE MEETING

There will be a pre-bid meeting/site visit for interested contractors on **Friday, November 13 at 10AM** at the Commission office, located at 75 Fort George Road, Lake George. Attendance at this meeting is <u>not</u> mandatory for contractors wishing to bid.

QUALIFICATION OF BIDDER

All bidders must be qualified and/or licensed to do business within the State of New York. The Commission reserves the right to make any investigation deemed necessary to determine bidder qualifications and responsibility. Bidder shall furnish to the Commission, upon request, all data pertinent thereto.

QUESTIONS/VERBAL RESPONSES NOT BINDING

It is the bidder's sole responsibility to become familiar with all terms and conditions regarding the bid before the bid opening. Any questions should be submitted in writing to the Commission and, if relevant, should cite the section and page number of the bidding document or plans relating to the question raised by the bidder. Answers to all questions of a substantive nature will be given to all bidders in the form of a formal addendum which will be annexed to and become part of the bid. Please be advised that the Commission shall not be bound by any verbal response by any employee which is not confirmed in writing or which does not result in an addendum issued by the Commission.

BID PROPOSAL FORM (please write clearly in ink or use typewriter) LGPC Bid #D2020100 – Building Basement Finishing				
Description: Construction services related to the finishing of the LGPC office building basement in preparation for a new visitors center.				
Company Name:				
Federal ID #:				
Address:				
Email Address:				
Phone Number: () Fax Number: ()				
Total Bid Price: \$				
Total Bid Price (words): \$				

I have completed the Vendor Responsibility Questionnaire online as noted on Page 10 of this IFB: Yes____ No____ I have signed and attached the Non-Collusion and Sexual Harassment Policy Certification (Page 12): Yes___ No____

ACKNOWLEDGMENT

The Bidder hereby declares that either personally or through authorized representative(s), the Bidder has carefully examined all Bidding Documents and understands all terms and conditions of the Bidding Documents. The Bidder further understands that in signing this Bid, the right to plead any misunderstanding regarding the same is waived. Pursuant to and in compliance with the Bidding Documents, the Bidder hereby offers to furnish all labor, materials, supplies, and equipment necessary for the completion of this Contract, as required by and in strict compliance with the applicable provisions of all Contract Documents. The Bidder must complete, sign and return this form to have its bid considered. Failure to provide all the requested information or to sign where provided may result in the Bid being eliminated from further consideration.

Authorized Signature:_____

Title of Signatory:_____

Date:_____

Supplemental Information on NYS Contracts

VENDOR RESPONSIBILITY ON ACCURACY

Vendors are responsible for the accuracy of their bids. All bidders are directed to take extreme care in developing their bids. Vendors are cautioned to carefully review their bids prior to the bid opening, as requests for bid withdrawals of any type are not likely to be granted. All exceptions and deviations must be noted in bids, otherwise the bid will be considered in full compliance with requirements and no adjustments may be made after award is issued. Bidders, in the preparation of their bids, should maintain complete and accurate calculation worksheets, which clearly support their submissions. The State reserves the right to reject an obviously unbalanced bid or to make "NO AWARD" on individual listings or sub-items if individual bid prices are deemed to be unbalanced or excessive or if an error in the solicitation becomes evident. In such case, ranking and evaluation of bids may be made on remaining items. Award would be made on the remaining items. The determination of an unbalanced bid shall be at the sole discretion of the State.

Except where specifically provided otherwise, whenever any product is specified by the name, trade name, make or catalog number of any manufacturer or supplier, the intent is not to limit competition but to establish a standard of quality which LGPC has determined as necessary. The words "or equal" shall be deemed inserted in each instance. The Bidder may use any product equal to that named in the IFB Documents which meets the form, function and utility of the named product and which is approved by LGPC. The Bidder shall have the burden of proving, at his own cost and expense to the satisfaction of LGPC, that the proposed product is equal to the named product. LGPC shall determine, in its absolute discretion, whether a proposed product is to be accepted.

NYS FINANCE LAW SECTION 135 (WICKS EXEMPT, CONTRACTOR'S LIST OF SUBCONTRACTORS)

The NYS Finance Law requires bidders of construction projects which involve the work of multiple trades in a single contract to include in their bids a separate sealed list that names of each trade subcontractor and their respective bid amount. This requirement applies to all Wicks Exempt projects. There is no dollar threshold below which the requirement for named subcontractors is waived. For this purpose, attached find Office of General Services Form BDC 59 (Contractor's List of Subcontractors) to be included with all bid submissions.

The form should be legible and it must be included, in a separate sealed envelope, with the other bid documents in the Bid Envelope. Bidders who plan to self-perform work must indicate this on the form. After the low bid is announced, the sealed list of subcontractors submitted with such low bid shall be opened and the names of such subcontractors shall then be announced. Sign the Contractor's List of Subcontractors in the space provided. An officer or a principal of a corporation or a partnership signing for the firm shall print or type the title of the person on the line provided. The same procedure shall apply to the bid of joint venture by two or more firms, except that the signature and title of an officer or a principal of each member firm of the joint venture shall be required. All signatures must be original. Mechanically reproduced signatures or copies are not acceptable. No contract will be awarded without a completed and signed Contractor's List of Subcontractors. Failure to submit, sign or provide Subcontractor's Agreed-Upon Amount on the form may result in disqualification of the bid. The sealed lists of subcontractors submitted by all other bidders shall be returned to them unopened after the contract is awarded. After bids are received, any changes by the low bidder to subcontractors or agreed-upon amounts to be paid to each subcontractor shall require the approval of the Commission pursuant to Section 135 of the State Finance Law.

NYS FINANCE LAW SECTION 137 (BOND REQUIREMENTS)

<u>Performance Bond</u>: Within ten (10) business days of notification of intent to award the Contract, the successful bidder shall furnish a bond equal to 100 percent of the amount of the Contract conditioned for the faithful performance of the terms, covenants, and conditions of same, with a surety company licensed to do business in the State of New York. The bond shall be maintained in full force for a period of twelve months after date of final payment as a guarantee that the Contractor will make good any faults or defects in the work arising from improper or defective workmanship or materials which may appear during that period.

<u>Labor and Material Bond</u>: Within ten (10) business days of notification of intent to award the Contract, the successful bidder shall furnish a bond equal to 100 percent of the amount of the Contract guaranteeing prompt payment of moneys due to all persons

furnishing labor or materials to the Contractor or his Subcontractors in carrying out the terms of the Contract. The effective date of the Bonds shall be the date the Bonds are secured. The Performance Bond and Labor and Material Bond shall be provided. Failure of the bidder to submit the complete, properly executed bonds within the specified time frame may result in rejection of their bid.

NYS LABOR LAW SECTION 220 (PREVAILING WAGE)

The Contractor shall comply with the requirements of Article 8 (Section 220-223) of the New York State Labor Law relative to work under this IFB. NYS Department of Labor has assigned <u>Prevailing Wage Case Number 2018004876</u> for this project. All updates, corrections, posted on the 1st business day of each month, and future copies of the annual determination are available on the Department of labor website <u>www.labor.state.ny.us</u>. Updated PDF copies of these schedules can be accessed by entering the above PRC number at the proper location on the website.

INSURANCE

The bidder to whom the bid is awarded shall, within ten (10) days after being awarded the bid, furnish such evidence of insurance policies (certificates and/or copies of policies of policies as may be requested) which name the Commission and its representatives, boards, officers and employees as additional insured (except for Workers' Compensation - Disability Coverage) and which set for the following coverages:

<u>1. General Liability</u> Insurance Coverage covering, among other things, bodily injury and/or property damage with minimum limits of One Million Dollars (\$1,000,000.00) per occurrence, Two Million (\$2,000,000.00) aggregate;

<u>2. Automobile Liability</u> Insurance Coverage protecting against, among other things, bodily injury and property damage, with minimum limits of One Million Dollars (\$1,000,000.00) combined single limit for owned, hired and/or borrowed and non-owned motor vehicles;

3. Workers' Compensation Insurance - Statutory Limits and as set forth below:

(i) WC/DB-100 - Affidavit for New York Entities and any Out-of-State Entities with No Employees, That New York State Workers' Compensation and/or Disability Benefits Insurance Coverage is Not Required; **or**

WC/DB-101 Affidavit That an Out-of-State or Foreign Employer Working in New York State Does Not Require Specific New York State Workers' Compensation and/or Disability Benefits Insurance Coverage (*Affidavits must be stamped as received by NYS Workers' Compensation Board*); **or**

(ii) C-105.2 - Certificate of Workers' Compensation Insurance, or

(iii) *SI-12* - Certificate of Workers' Compensation Self-Insurance or GSI-105.2 - Certificate of Group Workers' Compensation Self-Insurance.

NOTE: ACORD forms are <u>not</u> acceptable proof of workers' compensation coverage.

4. Disability Benefits Insurance - Statutory Limits and as set forth below:

(I) WC/DB-100 - Affidavit for New York Entities and any Out-of-State Entities with No Employees, That New York State Workers' Compensation and/or Disability Benefits Insurance Coverage is Not Required; **or**

WC/DB-101 Affidavit That an Out-of-State or Foreign Employer Working in New York State Does Not Require Specific New York State Workers' Compensation and/or Disability Benefits Insurance Coverage (*Affidavits must be stamped as received by NYS Workers' Compensation Board*); or

(ii) DB-120.1 - Certificate of Disability Benefits Insurance or the DB-820/829 Certificate/Cancellation of Insurance, or

(iii) DB-155 - Certificate of Disability Benefits Self-Insurance.

PAYMENT

The Contractor may apply for payment monthly or at more frequent regular intervals if permitted in writing by the Commission. The application for payment shall be in such form and supported by such evidence as the Commission may reasonably require. The designated payment office is: NYS Lake George Park Commission, 75 Fort George Road, PO Box 749, Lake George, New York 12845. The Commission may refuse to approve the application or a portion of it if the Contractor is failing or refusing to prosecute the work in accordance with the Contract. Payment for approved materials delivered and secured onsite but not yet incorporated in the work, which are in short and/or critical supply, and for materials determined to be specifically fabricated for the Project which have been inspected and inventoried by the Commission, will be made in accordance with Section 139(f) of the State Finance Law. However, the Contractor shall have full continuing responsibility to insure and protect such materials and maintain them in proper condition to fulfill Contract requirements when installed.

To comply with Section 179-f of the State Finance Law, it is the Contractor's responsibility to submit a proper Application for Payment form to the Commission. To be deemed a proper application, all materials and labor which are the subject of payment must be inspected and certified as consistent with the application and meet the contractual requirements. This inspection and certification will be completed within fifteen (15) days of the Commission's receipt of such application at the designated payment office. Should the application be unacceptable, a written notice will be returned to the Contractor along with the application. Upon making the appropriate changes, or upon completion of the work, it may be resubmitted by initialing and re-dating the application. The date affixed upon receipt will be considered as the receiving date as if the application was received for the first time.

Payments for expenditures incurred under this Contract will be rendered electronically to the Contractor. Such electronic payment shall be made in accordance with ordinary State procedures and practices. The Contractor shall comply with the State Comptroller's procedures to authorize electronic payments. Authorization forms are available at the State Comptroller's website at <u>www.osc.state.ny.us/epay/index.htm</u>, by e-mail at <u>epunit@osc.state.ny.us</u>, or by telephone at (518) 486-1255. The Contractor acknowledges that it will not receive payment under this Contract if it does not comply with the State Comptroller's electronic payment procedures, except where the Commission has expressly authorized payment by paper check as set forth above.

For Contracts that require Performance and Labor and Material Bonds, the Commission will retain 5% of the value of each voucher to secure faithful performance of this Agreement. Upon Substantial Completion of the services required of the Contractor pursuant to this Contract and after approval of the Contractor's requisition for payment by the Commission, the Commission shall pay the remaining balance of the Contract amount less two times the value of any items to be completed and an amount necessary to satisfy any liens or judgments against the Contractor which have not been suitably discharged.

The Contractor is advised that consistent with Subdivision 3-a of Section 220 of the Labor Law, the filing of payroll records is a condition precedent to payment of any sums due and owing to any person performing work on this Project. The failure to file pursuant to this section will result in a payment delay until such time as the filing occurs. The Commission will provide the forms for prime Contractor's certification and Subcontractor's certification for final payment, which are required by the State Comptroller. No progress payment will be made for work done after the Physical Completion Date. Payment for this work will only be made in the final payment.

Final certification will not be issued until all the labor and materials required by the Contract have been furnished and completed, all disputes relating to the performance of the Contract considered and disposed of and all accounts for extra work and materials and allowances for omissions have been rendered, considered and, if agreed to, made part of such certificate. The Contractor waives any claim or right to additional compensation which has not been submitted in writing via certified or registered mail to the Engineer within 30 days of the actual Physical Completion Date. The final certificate will constitute the acceptance of the work by the State, except as to work thereafter found to be defective. The date of such certificate shall be regarded as the date of acceptance of the work.

ACCEPTANCE OF FINAL PAYMENT

The acceptance by the Contractor, or by anyone claiming by or through him, of the final payment shall constitute and operate as a release to the State from any and all claims of any liability to the Contractor for anything theretofore done or furnished for or relating to or arising out of the work done thereunder, and for any prior act, neglect, or default on the part of the State or any of its officers, agents, or employees unless the Contractor serves a detailed and verified statement of claim upon the Commission not later than 40 days after the mailing of such final payment. Such statement shall specify the items and details upon which the claim will be based and any such claim shall be limited to such items. Should the Contractor refuse to accept a final payment as tendered by the Comptroller, it shall constitute a waiver of any right to interest thereon.

The Contractor shall submit to the Commission a requisition for payment of the remaining Contract balance by the Contract End Date. Upon receipt of this requisition, the Commission shall, except as otherwise provided by this Contract, approve and cause such requisition to be paid less any amount necessary to satisfy any claims, liens or judgments against the Contractor which have not been suitably discharged. The Contractor waives any claim or right to payment of any Contract balance which has not been requisitioned for payment by the Contract End Date.

CANCELLATION OF CONTRACT

The Commission reserves the right in its sole discretion to terminate any contract resulting from the IFB upon fourteen days written notice. However, failure on the part of the bidder to meet the specification requirements of a construction contract, especially with regard to product quality, shall result in immediate termination at the option of the Commission. The Commission's sole obligation shall be to pay bidder for services rendered to date and to the extent of appropriations. The Commission shall have no other liability or responsibility for lost compensation, lost profit, or damages of any kind or nature arising from the said termination.

INDEMNIFICATION

The Contractor shall defend, indemnify and hold harmless NYS and its representatives, boards, officers and employees from, and against any and all claims, demands or causes of action for injury or death to person or damage to property (including all costs and reasonable attorney's fees incurred in defending any claim demand or cause of action), arising out of or resulting from any negligent or wrongful acts, errors, omissions, negligence, incompetence, malfeasance and misfeasance by the contractor, its employees or agents in the performance of its obligations under this agreement.

STATE CONTRACT APPENDICES

<u>Appendix A</u>, Standard Clauses For New York State Contracts, dated October 2019, will expressly be a part of the final Contract Documents with the selected bidder.

Please review Appendix A at: https://ogs.ny.gov/system/files/documents/2019/01/psbid23154iappendixa.pdf

CONFLICT OF TERMS AND CONDITIONS:

Conflicts between the Contract Documents shall be resolved in the following order of precedence:

- a. Appendix A
- b. Change Orders, Work Change Directives, and Field Orders.
- c. Agreement (and any exhibits thereto), Project Specifications and other Contract Documents. The items that together comprise the Contract Documents are indicated in the Agreement.

CONTRACTOR REQUIREMENTS AND PROCEDURES FOR EQUAL EMPLOYMENT AND BUSINESS PARTICIPATION OPPORTUNITIES FOR MINORITY GROUP MEMBERS AND NEW YORK STATE CERTIFIED MINORITY/WOMEN-OWNED BUSINESSES

In accordance with Article 15-A of the New York State Executive Law (Participation by Minority Group Members and Women with Respect to State Contracts) and in conformance with the Regulations promulgated by the Minority and Women's Business Development Division of the New York State Department of Economic Development set forth at 5 NYCRR Parts 140-144, the Bidder and Seller agrees to be bound by the provisions further set forth in Appendix B Article XIX to promote equality of economic opportunities for minority group members and women, and the facilitation of minority and women-owned business enterprise participation on all covered LGPC contracts.

DEBRIEFING:

Bidders will be accorded fair and equal treatment with respect to their opportunity for debriefing following opening and review of the Bids. Disclosure of the content of competing Bids other than statistical tabulations of Bids received in response to an IFB is prohibited prior to Contract award. Prior to Contract award, NYSLGPC will, upon request, provide a debriefing which would be limited to review of that Bidder's own Bid. After Contract award, NYSLGPC will upon request, provide a debriefing to any Bidder that submitted a Bid, regarding the reason that the Bid submitted by the unsuccessful Bidder was not selected for Contract award. The post award debriefing should be requested by the Bidder within fifteen calendar days of the Contract award.

ASSESSMENT OF BIDS

In assessing the Bids, NYSLGPC will consider whether or not the Bids comply with the prescribed requirements, and such

alternatives (if any), unit prices, and other data, as may be requested in the Bidding Documents. In evaluating Bidders, NYSLGPC will consider the qualifications of Bidders, whether the Bids comply with the prescribed requirements, the alternatives (if any), the prices submitted, and other data as may be requested in the Bid Form, with the Bid, or prior to the Notice of Award. NYSLGPC may perform such investigations as NYSLGPC deems necessary to establish the responsibility, qualifications, and financial ability of Bidders and any proposed subcontractors or Suppliers. If a Contract is awarded, NYSLGPC will issue to Successful Bidder a written Notice of Award, issued with accompanying documents required of NYS Contracts.

REJECTION OF BIDS AND DISQUALIFICATION OF BIDDERS

NYSLGPC reserves the right to reject any or all Bids, including without limitation, non-conforming, non-responsive, unbalanced, or conditional Bids. NYSLGPC will reject the Bid of any Bidder that NYSLGPC finds, after reasonable inquiry and evaluation, to not be responsible. If Bidder purports to add terms or conditions to its Bid, takes exception to any provision of the Bidding Documents, or attempts to alter the contents of the Contract Documents for purposes of the Bid, then NYSLGPC will reject the Bid as non-responsive; provided that NYSLGPC also reserves the right to waive all minor informalities not involving price, time, or changes in the Goods and Special Services. NYSLGPC reserves the right to reject any Bid that, in its sole discretion, is considered to be unbalanced or unreasonable as to the amount bid for any bid item. More than one Bid for the same Contract from an individual or entity under the same or different names may not be considered. Reasonable grounds for believing that any Bidder has an interest in more than one Bid for the Goods and Special Services may be cause for disqualification of that Bidder and the rejection of all Bids in which that Bidder has an interest. NYSLGPC reserves the right to reject any Bid not accompanied by required documentation. NYSLGPC reserves the right to reject a Bid when NYSLGPC deems that the Bidder is not sufficiently qualified.

SIGNING OF AGREEMENT

When NYSLGPC issues a Notice of Award to the Successful Bidder, it shall be accompanied by the unexecuted counterparts of the Agreement along with the other Contract Documents as identified in the Agreement. Within 10 days after the date indicated on the Notice of Award, Successful Bidder shall execute and deliver the required number of counterparts of the Agreement (and any bonds and insurance documentation required to be delivered by the Contract Documents) to NYSLGPC together with other Contract Documents. After NYSLGPC signs the Agreement, NYSLGPC shall deliver one fully-executed counterpart of the Agreement to Successful Bidder, together with printed and electronic copies of the Contract Documents as stated in the General Conditions (as may be modified by the Supplementary Conditions).

VENDOR RESPONSIBILITY QUESTIONNAIRE

Each bidder must complete and file the required Vendor Responsibility Questionnaire prior to submittal of the bid. LGPC recommends that Bidders file the Questionnaire (For-Profit Business Entity {Non-Construction} form number AC3290-S) online via the New York State VendRep System. To enroll in and use the New York State VendRep System, see the VendRep System Instructions available at http://www.osc.state.ny.us/vendrep/vendor_index.htm or go directly to the VendRep System online at http://www.osc.state.ny.us/vendrep/vendor_index.htm or go directly to the VendRep System online at http://www.osc.state.ny.us/vendrep/vendor_index.htm or go directly to the VendRep System online at http://www.osc.state.ny.us/vendrep/vendor_index.htm or go directly to the VendRep System online at https://www.osc.state.ny.us/vendrep/vendor_index.htm or go directly to the VendRep System online at https://www.osc.state.ny.us/vendrep/vendor_index.htm or go directly to the VendRep System online at https://www.osc.state.ny.us/vendrep/vendor_index.htm or go directly to the VendRep System online at https://www.osc.state.ny.us/vendrep/vendor_index.htm or go directly to the VendRep System online at https://www.osc.state.ny.us/vendrep/vendor_index.htm or go directly to the VendRep System on https://www.osc.state.ny.us/vendor_ntm or https://www.osc.state.ny.u

BID BOND: LGPC IFB# D20200100

KNOW ALL MEN BY THESE PRESENTS	that we, hereinafter called the
Principal, as Principal, and	, of
	, a corporation duly organized under the laws of the State of New
York, hereinafter called the Surety, as	Surety, are held and firmly bound unto the Lake George Park Commission,
hereinafter called the Obligee, in the	um of
Dollars (\$, which represents five percent (5%) of the total bid for the payment of which
sum well and truly to be made, the sa	d Principal and the said Surety, bind ourselves, our heirs, executors,
administrators, successors and assign	jointly and severally, firmly by these presents.

WHEREAS, the Principal has submitted a bid for LGPC IFB#D20200100, (Basement Finishing for New LGPC Office Building)

NOW, THEREFORE, if the Obligee shall accept the bid of the Principal and the Principal shall enter into a Contract with the Obligee in accordance with the terms of such bid, and give such bond or bonds as may be specified in the bidding or Contract Documents with good and sufficient surety for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof or in the event of the failure of the Principal to enter such contract and give such bond or bonds, if the Principal shall pay to the Obligee the difference not to exceed the penalty hereof between the amount specified in said bid and such larger amount for which the Obligee may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect.

SIGNED AND SEALED this	day of	20_	·
In the presence of:		PRINCIPAL	(Seal)
WITNESS		TITLE	
		SURETY	(Seal)
WITNESS		TITLE	

NON-COLLUSIVE BIDDING CERTIFICATION REQUIRED BY SECTION 139-D OF THE STATE FINANCE LAW

By submission of this bid, bidder certifies under penalty of perjury, that to the best of his/her knowledge and belief:

- The prices of this bid have been arrived at independently, without collusion, consultation, communication, or agreement, for the purposes of restricting competition, as to any matter relating to such prices with any other Bidder or with any competitor;
- 2. Unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly disclosed by the Bidder and will not knowingly be disclosed by the Bidder prior to opening, directly or indirectly, to any other Bidder or to any competitor; and
- 3. No attempt has been made or will be made by the Bidder to induce any other person, partnership or corporation to submit or not to submit a bid for the purpose of restricting competition.

SEXUAL HARASSMENT PREVENTION CERTIFICATION

State Finance Law §139-I requires bidders on state procurements to certify that they have a written policy addressing sexual harassment prevention in the workplace and provide annual sexual harassment training (that meets the Department of Labor's model policy and training standards) to all its employees. Where competitive bidding is required pursuant to statute, rule or regulation, every bid made to the state or any public department or agency of the state must contain the following statement: "By submission of this bid, each bidder and each person signing on behalf of any bidder certifies, and in the case of a joint bid each party thereto certifies as to its own organization, under penalty of perjury, that the bidder has and has implemented a written policy addressing sexual harassment prevention in the workplace and provides annual sexual harassment prevention training to all of its employees. Such policy shall, at a minimum, meet the requirements of section two hundred one-g of the labor law." Bids that do not contain the certification will not be considered for award; provided however, that if the bidder cannot make the certification, the bidder may provide a signed statement with their bid detailing the reasons why the certification below, or submit a signed statement with their bid detailing the reasons why the certification below, or

I have read and understand the aforementioned certifications regarding Non-Collusion and Sexual H Requirements:	arassment
Project: Lake George Park Commission IFB D20200100 (Basement Finishing for New LGPC Office Build	<u>ding)</u>
Bidder:	
Address:	
Phone/Email://///	
Title:	
Signature:	
Date:	



Design and Construction

AN ISO 9001:2008 CERTIFIED ORGANIZATION

Contract Administration, 35th Floor, Corning Tower The Governor Nelson A. Rockefeller Empire State Plaza Albany, New York 12242 Phone: (518) 474-0203

WICKS EXEMPT LIST OF SUBCONTRACTORS

Contract No.:

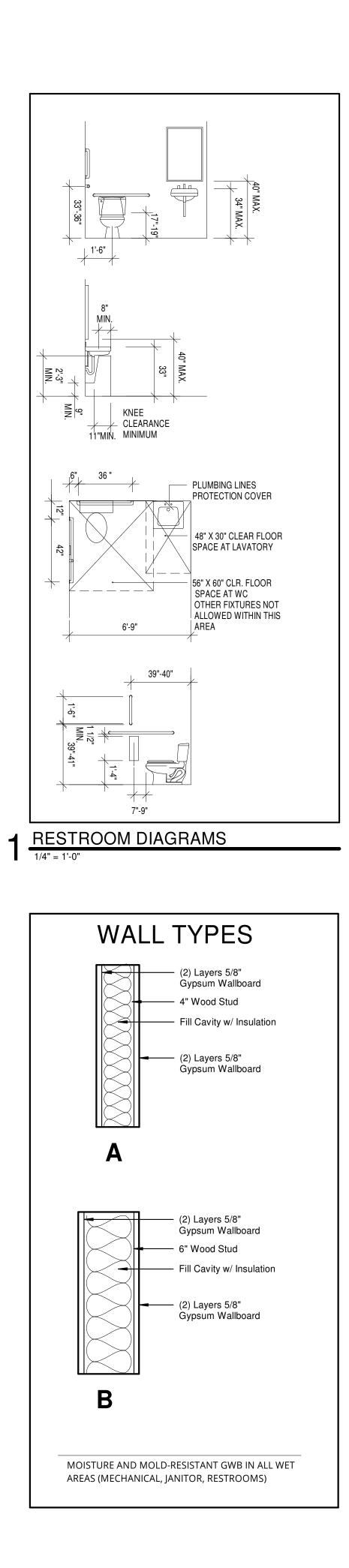
NOTE: This form is required for "Single-Contract" projects exempt from the Wicks Law. Failure to submit this form correctly will result in disqualification of the bid.

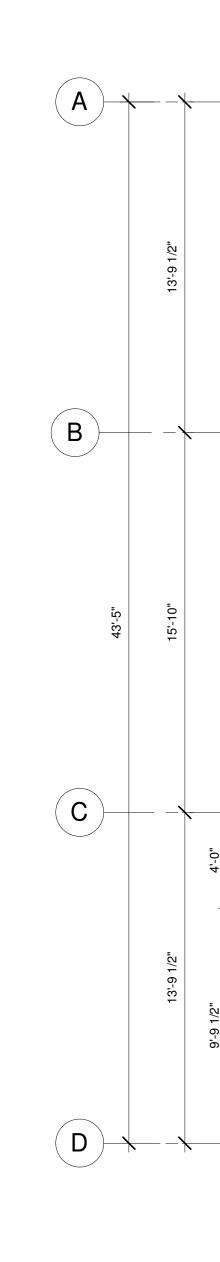
Contractor's Name and Address:	Project Description (Pr	roject Title, Facility Name a	and Address):		Bid Date:	Total Contract Amt.:
Federal ID No.						
Indicate ANY work to be <i>self-performed</i> by the contractor in	the following categorie	as (check all that apply)	•	Plumbing and Gas Fittin	<u> </u>	
indicate ANT work to be sen-performed by the contractor in	The following categorie	es (check all that apply)		Steam Heating, Hot Wa		ting and AC Apparatus
				Electric Wiring and Stan	-	
		Г			-	
If ALL contract work is to be self-performed, i.e., no subcor	<i>tractors</i> will be used, p	blease check this box [], skip to the botto	om of this form, and sign it as r	equired.	<u> </u>
		Check (✔) only one.	1			
	Plumbing and	Steam Heating, Hot Water Heating, Ventilating and AC	Electric Wiring and Standard Illuminating			Subcontractor's
Subcontractor's Name, Address and Federal ID No.	Gas Fitting	Apparatus	Fixture	General Descripti	on of Work	Contract Amt.
Federal ID No.						
Federal ID No.						
Federal ID No.						
	l by a company authoriz	L zed representative and	l included in a sepa l	l rate, sealed envelope within t	he bid envelope. U	se Page 2 if needed.
This form must be filled out completely and legibly, signed by a company authorized representative and included in <i>a separate, sealed envelope</i> within the bid envelope. Use Page 2 if needed. Failure to complete this form accurately and in its entirety, in accordance with Document 002220, will result in disqualification of the bid.						
					-	
Company Authorized Signature:			Title:		Date:	

004200-1

WICKS EXEMPT LIST OF SUBCONTRACTORS

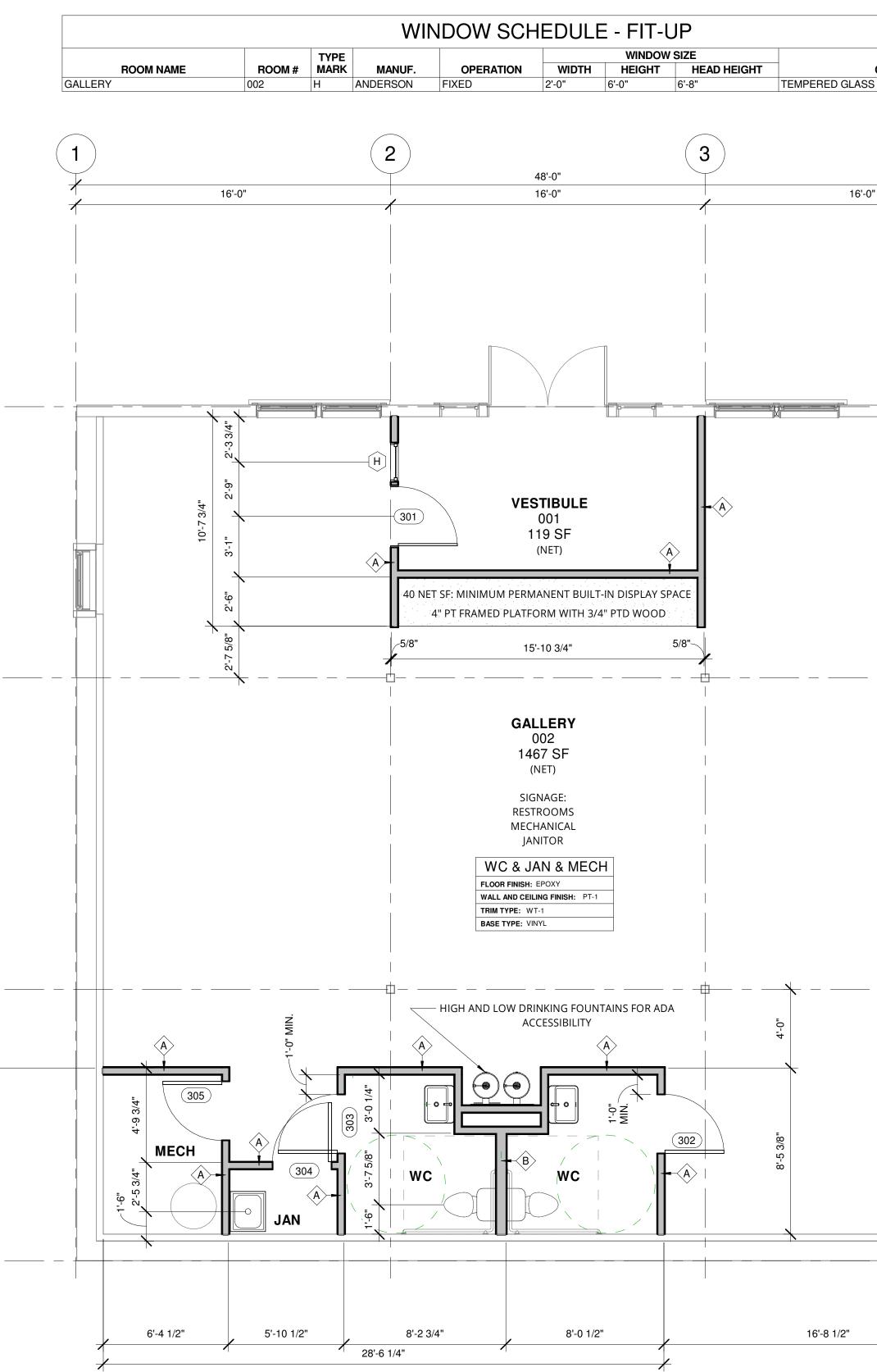
	Check (✔) <i>only</i> one.				
Subcontractor's Name, Address and Federal ID No.	Plumbing and Gas Fitting	Steam Heating, Hot Water Heating, Ventilating and AC Apparatus	Electric Wiring and Standard Illuminating Fixture	General Description of Work	Subcontractor's Contract Amt.
Federal ID No.					
Federal ID No.					
Federal ID No.					
Federal ID No.					
Federal ID No.					
Federal ID No.					
Federal ID No.					





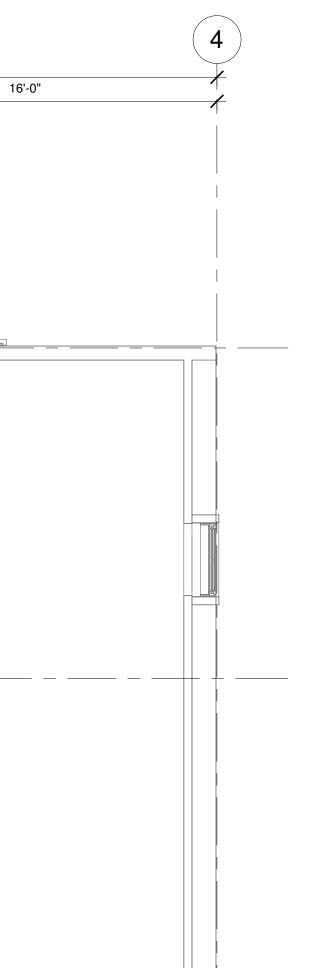
2 BASEMENT PLAN

DOOR SCHEDULE - FIT-UP								
			DOC	OR SIZE	DOOR			
NUMBER	MANUFACTURER	MODEL	WIDTH	HEIGHT	MATERIAL	HARDWARE SET		COMMENTS
301	PLASTPRO	684-GBC	3'-0"	6'-8"	FULL-LIGHT	BY GC	TEMPERED GLASS	
302	MASONITE	6 PNL HC	3'-0"	6'-8"	WOOD	BY GC; CLOSER		
303	MASONITE	6 PNL HC	3'-0"	6'-8"	WOOD	BY GC; CLOSER		
304	MASONITE	6 PNL HC	3'-0"	6'-8"	WOOD	BY GC		
305	MASONITE	6 PNL HC	3'-0"	6'-8"	WOOD	BY GC		



S			

COMMENTS



ALL DRAWINGS , SPECIFICATIONS, IDEAS, ARRANGEMENTS AND DESIGNS REPRESENTED OR REFERRED TO ARE THE PROPERTY OF AND OWNED BY LEAP ARCHITECTURE WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS

AND NONE OF THE ABOVE MAY BE DISCLOSED OR GIVEN TO OR USED BY ANY FIRM OR CORPORATION OR PERSON FOR ANY USE OR PURPOSE WHATSOEVER INCLUDING ANY OTHER PROJECT EXCEPT UPON WRITTEN PERMISSION AND DIRECTION FROM LEAP ARCHITECTURE.

EXECUTED OR NOT. THEY WERE CREATED, EVOLVED, DEVELOPED AND PRODUCED FOR THE SOLE USE ON AND IN CONNECTION WITH THIS PROJECT

FINISH LEGEND

FLOOR FINISH

EPOXY PER GC SELECTION. COLOR BY ARCHITECT

BASE VINYL 4" VINYL OR RUBBER BASE

PAINT

PT-1* - SHERWIN WILLIAMS - COLOR TBD PREPARE GYPSUM BOARD SUBSTRATE TO A LEVEL 4 FINISH. REFER TO USG DRYWALL SYSTEMS

<u>wood trim</u> WT-1 2 1/4" Casing / Painted

ALL FINISHES AS SPECIFIED OR APPROVED EQUAL

GALLERY FITOUT



LIVING ENVIRONMENTS | APPROPRIATE PROJECTS 96 PHILIP ST. ALBANY, NY 12202 518.669.9435 REV DESCRIPTION DATE ISSUED

LGPC OFFICES

LAKE GEORGE PARKS COMMISSION, NEW YORK 75 Fort George Road, PO Box 749

BASEMENT FIT-UP

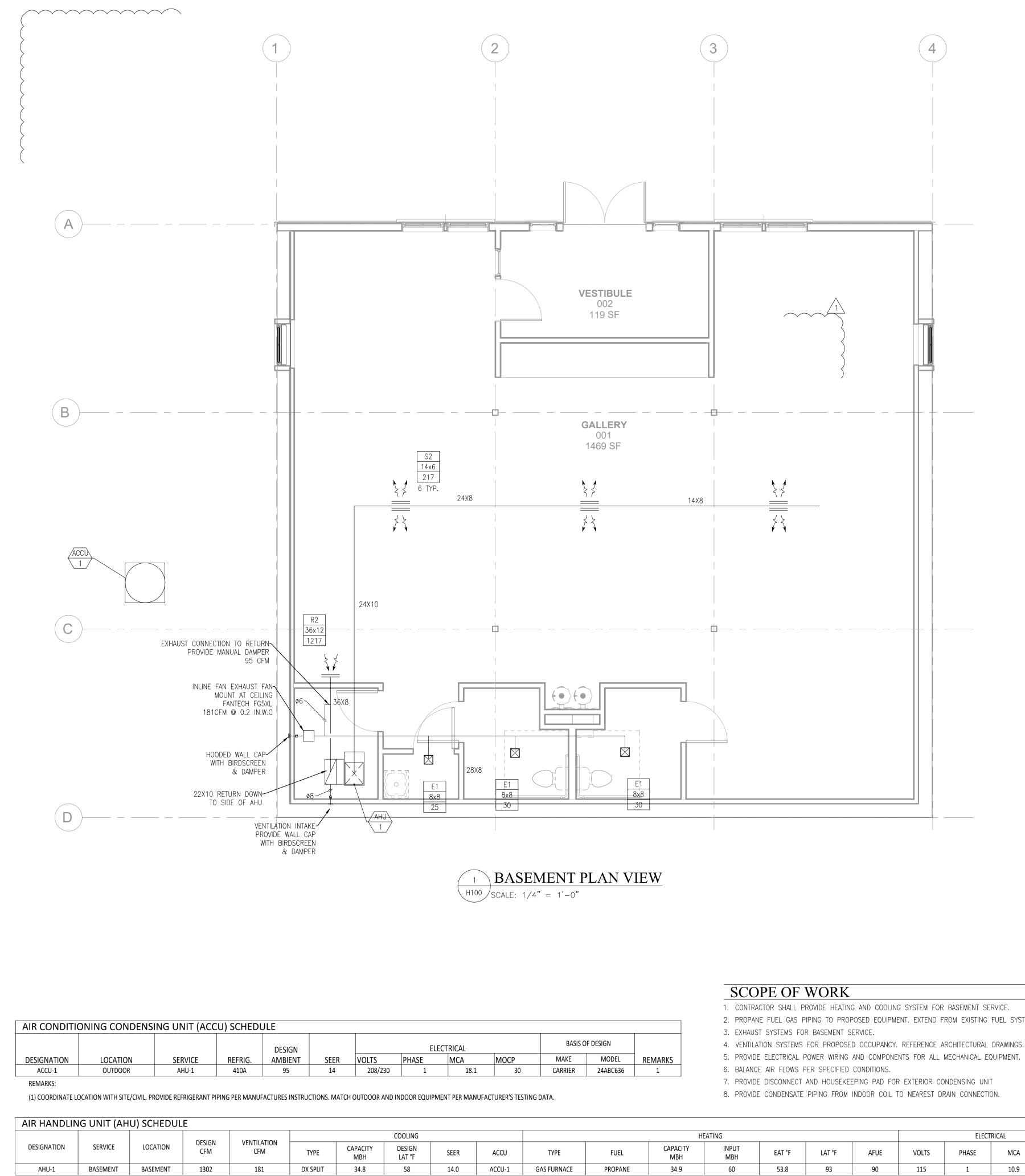
PROJECT NUMBER DATE DRAWN BY

16-032 11 JANUARY 2019 EFD As indicated



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- ARRANGEMENT OF SYSTEMS AND COMPONENTS.
- ALL MATERIALS SHALL BE OF FIRST QUALITY. MATERIALS ARE REQUIRED.
- TO BE PART OF THE WORK.
- SHALL BE RESPONSIBLE FOR CHANGES REQUIRED BY THE AHJ.
- 8. ALL WORK SHALL BE PERFORMED BY QUALIFIED TRADES-MEN IN ACCORDANCE WITH REQUIREMENTS OF GOVERNING CODES AND ACCEPTED PRACTICES.
- MINIMUM QUALITIES WHICH SUBSTITUTES MUST MEET.
- MATERIALS, AND SCRAP LEAVING HIS WORK IN A PERFECT CONDITION AND THE AREA CLEAN AND READY FOR OCCUPATION.
- COPIES OF BALANCING REPORTS.

PRODUCT SPECIFICATIONS

- PIPE AND FITTINGS
- 1. A/C AND HEAT-PUMP CONDENSATE DRAIN TYPE "L" HARD COPPER OR PVC. 2. REFRIGERANT – TYPE "ACR" COPPER.
- 3. GAS PIPING:
- 3.1. SCH40, STEEL PIPE, MALLEABLE-IRON THREADED FITTINGS, AND THREADED JOINTS.
- 3.2. ANNEALED-TEMPER COPPER TUBE, ASME B88, TYPE L, WROUGHT COOPER FLARE FITTINGS.
- PIPING WHERE SILVER BRAZING ALLOY SHALL BE USED.
- HAMMOND, OR WATTS. ALL VALVES SHALL BE OF DOMESTIC MANUFACTURER.
- 6. PROVIDE DIELECTRIC CONNECTIONS BETWEEN COPPER AND FERROUS METAL PIPING MATERIALS IN ALL SYSTEMS.
- B9.1) AND THE APPLICABLE BUILDING CODE.
- MECHANICAL INSULATION
- A FLAME SPREAD RATING OF 25 AND SMOKE DEVELOPED RATING OF 50.
- ADHESIVES SHALL BE BENJAMIN FOSTER OR EQUAL. RESPECTIVE PIPING SYSTEMS.
- 4. ALL INSULATION SHALL BE CONTINUOUS THROUGH ALL WALL AND CEILING OPENINGS, SLEEVES AND PIPE HANGER LOCATIONS.
- HVAC INSTRUMENTATION AND CONTROL

- 3. SEQUENCE OF OPERATION: PACKAGED / INTEGRATED WITH EQUIPMENT
- HVAC AIR DISTRIBUTION SMACNA STANDARDS.
- ROUND BRANCH TAKE-OFF FROM ROUND DUCT MAINS.
- COMPENSATE FOR DUCT LINING THICKNESS, WHERE APPLICABLE.
- 5. CONSTRUCT ALL JOINTS AND SEAMS IN DUCTS AIR-TIGHT; REWORK POORLY MADE JOINTS, SPLITS, AND VISIBLE HOLES AT CORNERS, ADDITIONAL STIFFENERS.
- OR NAILOR-HART INDUSTRIES ARE ACCEPTABLE.

AIR HANDLING UNIT (AHU)

- ASHRAE/ARI/ISO-13256-1.

- SHUTDOWN, AND SMOKE SHUTDOWN.

- 1. CONTRACTOR SHALL PROVIDE HEATING AND COOLING SYSTEM FOR BASEMENT SERVICE.
- 2. PROPANE FUEL GAS PIPING TO PROPOSED EQUIPMENT. EXTEND FROM EXISTING FUEL SYSTEMS.

- 8. PROVIDE CONDENSATE PIPING FROM INDOOR COIL TO NEAREST DRAIN CONNECTION.

FUEL CAPACITY INPUT EAT °F LAT °F AFUE VOLTS PHASE MCA MOCP MAKE MODEL	REMARKS
MBH MBH MBH LATT LATT AFOL VOLTS FITASE MICA MICC MARE MODEL	IL WIARKS
PROPANE 34.9 60 53.8 93 90 115 1 10.9 15 CARRIER 24ABC / CNE	

- 3. ENERGY PERFORMANCE SHALL EXCEED ASHRAE 90.1 REQUIRED.
- REPORTING VALUE OF 8 ACCORDING TO ASHRAE 52.2. 5. ELECTRICAL CONNECTION: SINGLE ELECTRICAL CONNECTION WITH FUSED DISCONNECT.

2. ALL WORK INDICATED ON DRAWINGS ARE DIAGRAMMATIC AND ARE INTENDED TO CONVEY THE SCOPE OF WORK AND INDICATE GENERAL

3. IT IS THE INTENT OF THE CONTRACT DRAWINGS AND SPECIFICATIONS TO CALL FOR FINISHED WORK, TESTED AND READY FOR OPERATION.

4. VISIT THE SITE OF THE WORK AND BECOME FAMILIAR WITH THE CONDITIONS AFFECTING THE INSTALLATION. SUBMISSION OF A PROPOSAL SHALL PRESUME KNOWLEDGE OF SUCH CONDITIONS AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED WHERE EXTRA LABOR OR

5. INCLUDE ALL LABOR, MATERIAL, EQUIPMENT, SERVICES AND PERMITS NECESSARY FOR THE PROPER COMPLETION OF ALL MECHANICAL WORK SHOWN. ITEMS OMITTED, BUT NECESSARY, TO MAKE THE MECHANICAL SYSTEMS COMPLETE AND WORKABLE SHALL BE UNDERSTOOD

6. INSTALL WORK IN ACCORDANCE WITH ALL APPLICABLE PROVISIONS OF LOCAL AND STATE CODES, AS WELL AS THE NFPA AS INTERPRETED BY THE LOCAL AUTHORITY HAVING JURISDICTION. COMPLY WITH THE LATEST EDITIONS OF ASHRAE AND SMACNA STANDARDS. CONTRACTOR

7. WARRANT THAT EQUIPMENT AND ALL WORK IS INSTALLED IN ACCORDANCE WITH GOOD (FIRST CLASS) PRACTICE AND THAT ALL EQUIPMENT WILL MEET THE REQUIREMENTS SPECIFIED. GUARANTEE AGAINST DEFECTS IN WORKMANSHIP AND MATERIALS; REPAIR OR REPLACE ANY DEFECTIVE WORK, MATERIAL, OR EQUIPMENT WITHIN ONE YEAR FROM DATE OF FORMAL WRITTEN ACCEPTANCE BY THE OWNER.

9. THE DRAWINGS AND SPECIFICATIONS ARE BASED ON THE PRODUCTS SPECIFIED BY TYPE, MODEL, AND SIZE AND THUS ESTABLISH

10. PREPARE SHOP DRAWINGS AND PRODUCT DATA FOR ALL SPECIFIED MECHANICAL EQUIPMENT, SYSTEMS, AND COMPONENTS. THE RESPONSIBILITY OF CORRECT PROCUREMENT REMAINS SOLELY WITH THE CONTRACTOR. ANY SUBMITTAL REVIEW SHALL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR ERRORS OR OMISSIONS AND DEVIATIONS FROM THE DESIGN INTENT.

11. UPON COMPLETION OF THE WORK UNDER THIS CONTRACT, THE CONTRACTOR SHALL REMOVE ALL TOOLS, APPLIANCES, SURPLUS

12. PROVIDE SERVICES OF A CERTIFIED AABC OR NEBB TEST AGENCY. CONDUCT ALL TESTS IN ACCORDANCE WITH ASSOCIATED AIR BALANCE COUNCIL STANDARDS. TEST AND ADJUST AIR HANDLING SYSTEM TO WITHIN 5 PERCENT OF DESIGN REQUIREMENTS. FURNISH CERTIFIED

4. FITTINGS FOR COPPER PIPE: WROT COPPER SOLDER JOINT TYPE WITH 95-5 TIN-ANTIMONY SOLDER, EXCEPT FOR REFRIGERANT

5. ALL VALVES SHALL BE OF THE SAME MANUFACTURER WHERE POSSIBLE AND SHALL BE AS MANUFACTURED BY MILWAUKEE, NIBCO,

7. REFRIGERANT PIPING: CONFORM TO THE APPLICABLE REQUIREMENTS OF THE SAFETY CODE FOR MECHANICAL REFRIGERATION (ANSI

1. ALL INSULATION MATERIAL (INSULATION, JACKETS, ADHESIVES, CEMENTS, MASTICS, SEALERS COATINGS AND FINISHES) SHALL HAVE COMPOSITE FIRE AND SMOKE HAZARD RATINGS AS TESTED UNDER PROCEDURE ASTM E-84, NFPA 255AND UL 723, NOT EXCEEDING

2. PROVIDE INSULATION PRODUCTS AS MANUFACTURED BY OWENS-CORNING, ARMSTRONG, CERTAIN TEED, KNAUF OR JOHNS MANSVILLE. 3. ALL INSULATION SHALL BE INSTALLED OVER CLEAN DRY SURFACES. INSULATION MUST BE DRY AND IN GOOD CONDITION. WET OR

DAMAGED INSULATION WILL NOT BE ACCEPTABLE. NO INSULATION SHALL BE APPLIED PRIOR TO PRESSURE TEST COMPLETION OF THE

5. ALL INSULATION PRODUCTS SHALL BE APPLIED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN RECOMMENDATIONS AND THIS SPECIFICATION. THE WORKMANSHIP SHALL BE FIRST CLASS AND ALL JOINTS SHALL BE MADE TIGHT. 6. INSULATE REFRIGERANT SUCTION LINES, AND AC CONDENSATE DRAINS WITH AP ARMAFLEX, ½ INCH MINIMUM THICK.

1. ALL WIRING INCIDENTAL TO THIS TEMPERATURE CONTROL SYSTEM SHALL BE PROVIDED BY THE HVAC CONTRACTOR. ALL WIRING SHALL BE PER NEC REQUIREMENTS. PLENUM RATED CABLE IS REQUIRED FOR LOW VOLTAGE CONTROL WIRING. 2. PROVIDE TRAINING FOR THE OWNERS PERSONNEL IN THE OPERATION OF THE SYSTEMS. GUARANTEE SYSTEM FREE FROM DEFECTS IN WORKMANSHIP AND MATERIAL UNDER NORMAL USE AND SERVICE FOR A PERIOD OF ONE YEAR AFTER ACCEPTANCE.

1. CONSTRUCT DUCTWORK OF GALVANIZED STEEL TO THE GAUGES, WITH REINFORCING, AS REQUIRED BY THE LATEST EDITION OF

2. CONSTRUCT LOW PRESSURE DUCTWORK PER SMACNA STANDARDS FOR 2 INCH STATIC PRESSURE, SEAL CLASS "B", UNLESS OTHERWISE NOTED. SEAL ALL SEAMS, JOINTS, FASTENERS, PENETRATIONS, AND CONNECTIONS PER SMACNA SEAL CLASS "B". THE SYSTEM SHALL BE TESTED AND ALL LEAKS SEALED WITH A COMPOUND SIMILAR TO EC-800. BRANCH CONNECTIONS SHALL BE 45 DE1REE ENTRY FOR RECTANGULAR AND ROUND DUCTS, STRAIGHT TAPS ARE NOT PERMITTED. CONICAL TEES ARE ACCEPTABLE IN

3. ALL DUCTS SHALL BE INSULATED TO MEET ENERGY CODE REQUIREMENTS. UNLESS OTHERWISE NOTED, DUCTWORK SHALL BE INSULATED WITH MINERAL FIBER / FIBERGLASS BLANKET OR BOARD INSULATION. EXTERNAL DUCT INSULATION SHALL BE TYPE FSK FACING. THICKNESS AND R-VALUE SHALL BE AS SCHEDULED IN THE DUCT INSULATION SCHEDULE.

4. ALL DUCTWORK DIMENSIONS, AS SHOWN ON DRAWINGS, ARE INTERNAL CLEAR DIMENSIONS AND DUCT SIZE SHALL BE INCREASED TO

ETC., OR INSTALL NEW PIECES OF DUCTWORK. WHERE EXCESSIVE PULSATING OF DUCTWORK OR PLENUM HOUSING IS FOUND, ADD

6. PRICE GRILLES AND DIFFUSERS ARE SPECIFIED, EQUIVALENT AS MANUFACTURED BY ANEMOSTAT, TITUS, TUTTLE AND BAILEY, KRUE1ER

7. FLEXIBLE DUCT CONNECTIONS SHALL BE USED BETWEEN DUCTWORK AND AIR HANDLING EQUIPMENT.

1. PROVIDE AIR CONDITIONING UNIT WHERE INDICATED, OF TYPE, SIZE, CAPACITY, AND CONFIGURATION AS INDICATED. ALL UNITS SHALL BE COMPLETE WITH FAN SECTION, COIL SECTION, AND ALL OTHER SECTIONS AND ACCESSORIES SCHEDULED AND SPECIFIED. 2. UNITS SHALL INCLUDE TEMPERATURE CONTROLS; FACTORY ASSEMBLED, TESTED, AND RATED ACCORDING TO

FILTERS: DISPOSABLE, GLASS-FIBER, FLAT TYPE, 2-INCH THICK, TREATED WITH ADHESIVE, AND HAVING A MINIMUM EFFICIENCY

6. CONTROL: UNITS SHALL HAVE A INTEGRATED SOLID-STATE CONTROLLER BY EQUIPMENT MANUFACTURER. UNITS UTILIZING ELECTRO-MECHANICAL CONTROL SHALL NOT BE ACCEPTABLE. CONTROLLER AND THERMOSTAT. OPERATION SHALL INCLUDE: HEATING AND COOLING WITH AUTOMATIC CHANGEOVER, SET-POINT ADJUST WITHIN USER DEFINABLE RANGE, CONDENSATE OVERFLOW

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GALLERY FITOUT

EAPARCHITECTURE

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REV	DESCRIPTION	DATE ISSUED
1	DUCT ROUTE CHANGE	6/12/18
$\sqrt{2}$	SCOPE CHANGE – ALL WORK	2/11/20
$\sqrt{3}$	rEISSUED FOR FITOUT	2/17/20

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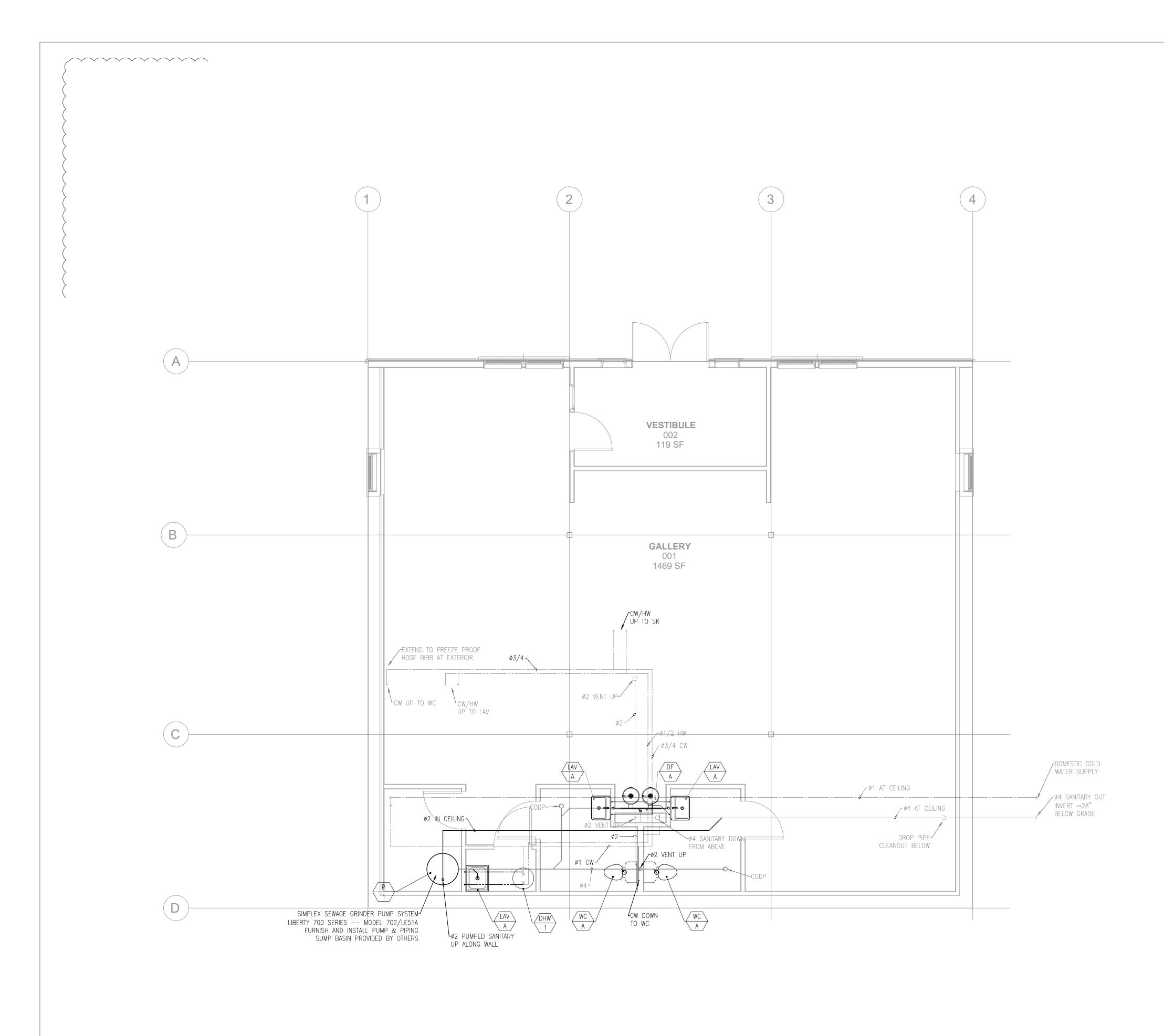
PARKS COMMISSION, LAKE GEORGE, NEW YORK PARKS COMMISSION

HVAC PLAN

PROJECT NUMBER DATE DRAWN BY SCALE

180404LPR 02-11-2020 CAS As Noted







PLUMBING PIPING LEGEND

	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	DOMESTIC HOT WATER RETURN
	SANITARY ABOVE FLOOR
	SANITARY BELOW FLOOR
	SANITARY VENT
GG	GAS (PROPANE)

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GALLERY FITOUT _EAP_{architecture}

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REV	DESCRIPTION	DATE ISSUED
1	SCOPE OF WORK CHANGE	6/12/18
$\sqrt{2}$	SCOPE CHANGE – ALL WORK	1/4/19
$\sqrt{3}$	SCOPE CHANGE – ALL WORK	2/11/20
4	REISSUED FOR FITOUT	2/18/20

LGPC OFFICES

PARKS COMMISSION, LAKE GEORGE, NEW YORK PARKS COMMISSION

PLUMBING PLAN

PROJECT NUMBER DATE DRAWN BY SCALE

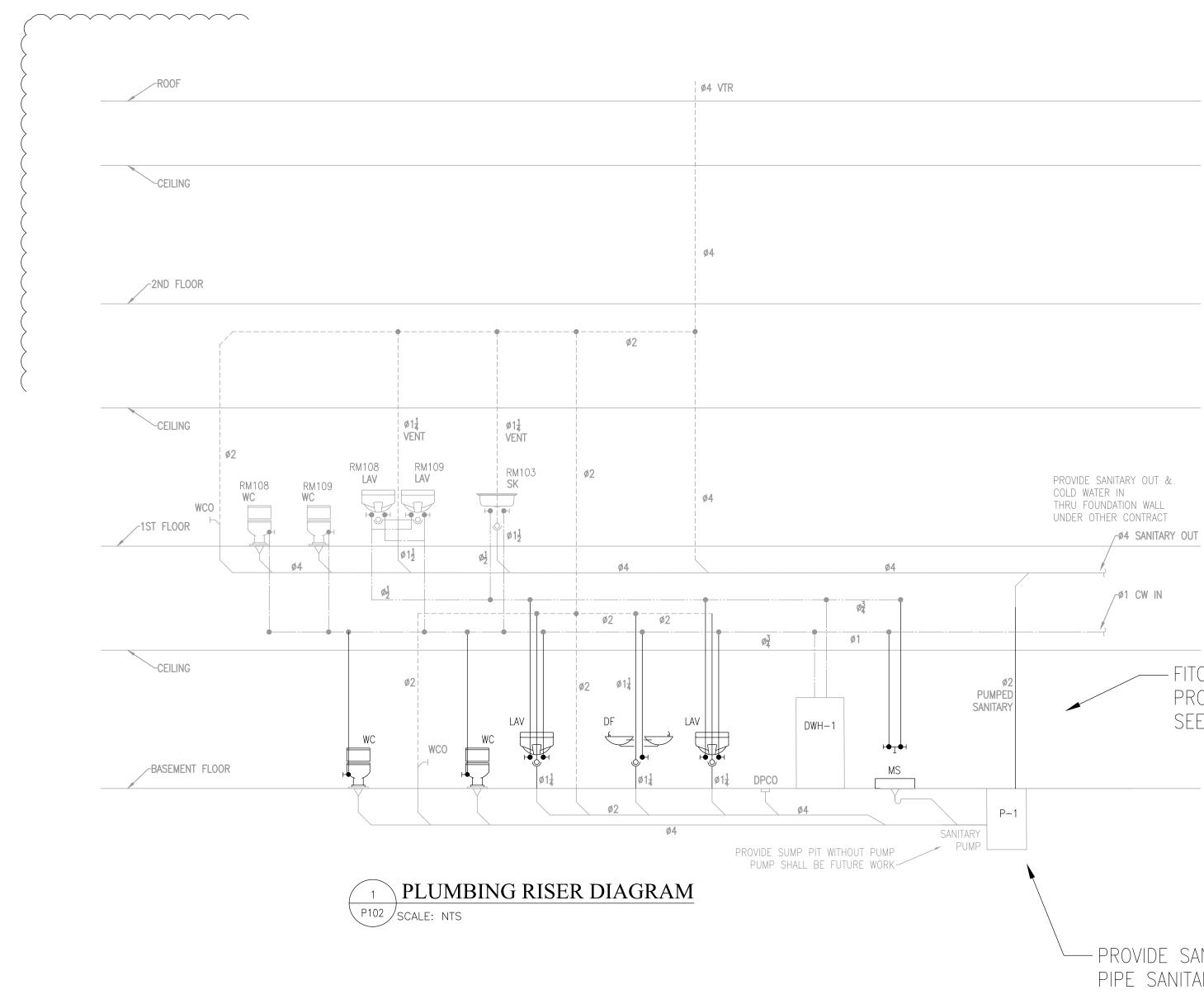
180404LPR 01-01-2019 CAS As Noted



 $\sqrt{2}$

SHEET NOTES

- 1. PROJECT SCOPE INCLUDES FITOUT OF BASEMENT PLUMBING
- SYSTEMS. COORDINATE WORK WITH AS-BUILT CONDITIONS BY OTHERS. ADJUST SCOPE TO ACCOMMODATE FIELD CONDITIONS. 2. REFERENCE SHEET P102 FOR ADDITIONAL DETAILS THAT ARE
- APPLICABLE TO THIS SHEET. 3. FIELD VERIFY ALL CONDITIONS.



DESIGNATION	FIXTURE	DESCRIPTION	FLOW DFU CONNECTION SIZES					REMARKS		
DESIGNATION	FIATURE	DESCRIFTION	FLOW		CW	HW	TRAP	WASTE	VENT	REMARINS
LAV	LAVATORY	WALL MOUNT, VITREOUS CHINA	0.5 GPM		1/2"	1/2"	- /4"	- /4"	- /4"	
WC	TOILET	FLOOR MOUNT, VITREOUS CHINA, TANK TYPE	I.28 GPF	4	1/2"		INTEGRAL	4"	2"	
DF	DRINK FOUNTAIN	HIGH/LOW TYPE, ADA COMPLIANT			1/2"		- /4	- /4	- /4	
SK-K	KITCHEN SINK	STAINLESS STEEL KITCHEN	2.0 GPM	2	1/2"	/2"	- /4"	- /2"	- /4"	
MS	MOP SINK	FLOOR MOUNT MOP SINK	2.0 GPM	2	3/4"	3/4"	3"	3"	2"	

REMARKS:

(I) PROVIDE FIXTURE WITH FLUSH ACTUATOR ON APPROACH SIDE OF FIXTURE. COORDINATE ACTUATOR SIDE WITH PLANS.

	POINT OF CONNECTION
	REVISION TAG
??)	KEY NOTE
VIEW# SHEET#	DETAIL / VIEW CALLOUT
TYPE	EQUIPMENT DESIGNATION
VTR	VENT THRU ROOF, SEE SHEET P6
FD	FLOOR DRAIN
CODP	CLEAN-OUT DECK PLATE
	FIXTURE STOP (VALVE)
\bowtie	SERVICE SHUT-OFF VALVE GENERAL VALVE
	PUMP
↑	CHECK VALVE
<u>></u>	WALL HYDRANT
6	BALL VALVE

GENERAL PLUMBING NOTES

WO	RΚ,	MA	ΑIF	RIAL	S,	ANI	J	F(
AU	THO	RITI	IES	CC	DDE	S A	٩N	D
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ALL	_ NE	ECE	SS,	ARY	PE	RM	ITS	S
CO	NTR.	ACT	OR	SF	IALL	. B	Е	RI
REF	ERE	ENC	ЪЕ	COE)ES:			
•	IN	TFF	RNA	TIOIT.	NAL	RI	Ш	DI

- CONDITIONS AND CONSTRUCTION METHODS.
- THE PROPOSED WORK.

ALL WORK IS TO BE FREE OF DEFECTS IN WORKMANSHIP AND MATERIALS FOR A PERIOD OF NO LESS THAN ONE YEAR, UNLESS OTHERWISE INDICATED, FROM THE DATE OF FINAL ACCEPTANCE. ALL DEFECTS WHICH DEVELOP OR ARE DISCOVERED WITHIN THIS PERIOD WILL BE REPAIRED BY THE CONTRACTOR, TO THE SATISFACTION OF THE OWNER, AND AT NO ADDITIONAL COST TO THE OWNER.

- FITOUT CONTRACTOR SHALL PROVIDE ALL COMPONENTS TO FULLY INSTALL ALL BASEMENT PLUMBING FIXTURES AT ROUGH IN LOCATIONS PROVIDE; FIXTURES, DOMESTIC WATER PIPING, WASTE PIPING, VALVES, AND VENT PIPING. SEE DARK LINES FOR SCOPE, COORDINATE WITH AS-BUILT CONDITIONS.

PIPE SANITARY DISCHARGE TO GRAVITY PIPE

WORK, MATERIALS, AND EQUIPMENT SHALL COMPLY WITH THE MOST RESTRICTIVE OF LOCAL, STATE, AND FEDERAL ORDINANCES. AS A MINIMUM, THE INSTALLATION SHALL COMPLY WITH THE CURRENT DAYS PRIOR TO THE RECEIPT OF BIDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND BE RESPONSIBLE FOR PAYMENT OF SAME ON ALL WORK WITHIN THIS CONTRACT. RESPONSIBLE TO MAKE CHANGES AS REQUESTED BY THE AHJ.

INTERNATIONAL BUILDING CODE 2015 (IBC 2015) INTERNATIONAL FIRE CODE 2015 (IFC 2015) INTERNATIONAL ENERGY CONSERVATION CODE 2015 (IECC 2015) INTERNATIONAL PLUMBING CODE 2015 (IPC 2015) INTERNATIONAL MECHANICAL CODE 2015 (IMC 2015) • INTERNATIONAL FUEL GAS CODE 2015 (IFGC 2015) NEW YORK STATE UNIFORM CODE SUPPLIMENTS AND AMENDMENTS

ALL FIELD CONDITIONS SHALL BE COORDINATED AND VERIFIED PRIOR TO BIDDING, PROPOSING, OR BEGINNING ANY WORK. COORDINATE ALL WORK OR ADJUST SAME TO THAT OF OTHER TRADES AND TO COMPENSATE FOR GENERAL

CONTRACTOR SHALL COORDINATE THE INTERCONNECTION OF AVAILABLE SITE UTILITIES FOR INTERCONNECTION WITH

IT IS THE INTENT OF THE CONTRACT DRAWINGS AND SPECIFICATIONS TO CALL FOR FINISHED WORK, TESTED AND READY FOR OPERATION. ALL MATERIALS SHALL BE OF FIRST QUALITY.

PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE PLUMBING SYSTEMS. ALL MATERIAL, WORK, OR INCIDENTAL ACCESSORIES NECESSARY TO MAKE THE WORK COMPLETE AND PERFECT AND IN ALL RESPECTS READY FOR OPERATION ARE TO BE PROVIDED.

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GALLERY FITOUT

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LGPC OFFICES

PARKS COMMISSION, LAKE GEORGE, NEW YORK PARKS COMMISSION

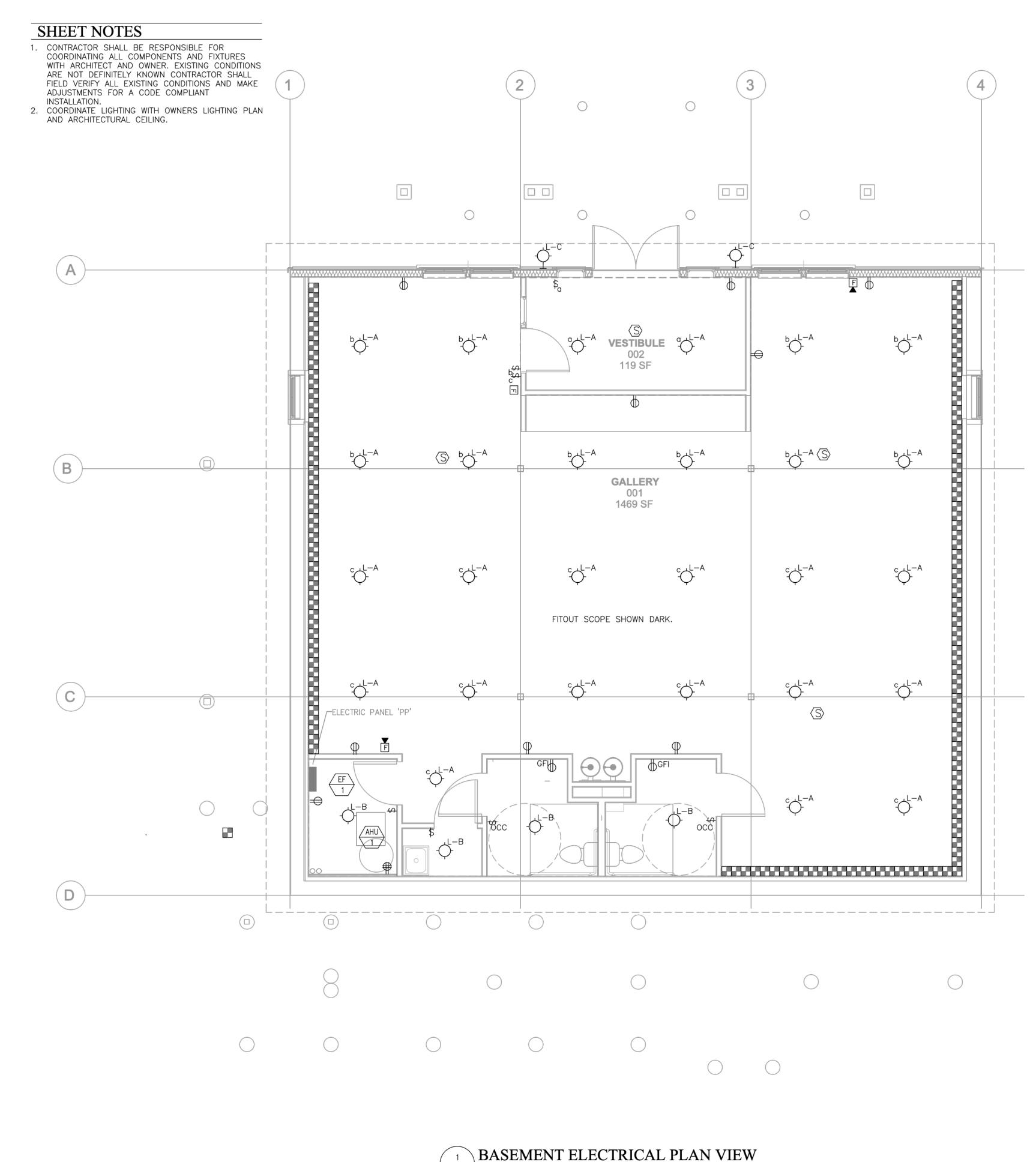
PLUMBING DETAILS

PROJECT NUMBER DATE DRAWN BY SCALE

180404LPR 1-4-2019 CAS As Noted



4



 E^{100} /SCALE: 1/4" = 1'-0"

REFERENCE CODES:

- NFPA 70 / NATIONAL ELECTRIC CODE (NEC)

ALL FIELD CONDITIONS SHALL BE COORDINATED AND VERIFIED PRIOR TO BIDDING, PROPOSING, OR BEGINNING ANY WORK. COORDINATE ALL WORK OR ADJUST SAME TO THAT OF OTHER TRADES AND TO COMPENSATE FOR GENERAL CONDITIONS AND CONSTRUCTION METHODS. CONTRACTOR SHALL COORDINATE THE INTERCONNECTION OF AVAILABLE SITE UTILITIES FOR INTERCONNECTION WITH THE PROPOSED WORK. COORDINATE REQUIREMENTS WITH PRE-MANUFACTURED BUILDING SHOP DRAWINGS.

PROVIDED.

COST TO THE OWNER.

	ELECTRICAL LEGEND					
SYMBOL	DESCRIPTION					
\$	WALL MOUNTED SINGLE POLE SWITCH					
\$,	WALL MOUNTED THREE WAY SWITCH					
¢	WALL MOUNTED DUPLEX CONVENIENCE RECEPTACLE					
GFI	WALL MOUNTED DUPLEX RECEPTACLE WITH GROUND FAULT CIRCUIT INTERUPTER					
Δ	WALL MOUNTED VOICE/DATA OUTLET- PROVIDE J-BOX, CONDUIT & DRAG LINE TO HUNG CEILING					
F	WALL MOUNTED FIRE ALARM PULL STATION					
ÞF	WALL MOUNTED FIRE ALARM AUDIO /VISUAL DEVICE					
F۹	WALL MOUNTED FIRE ALARM STROBE LIGHT					
S	CEILING MOUNTED SMOKE DETECTOR					

GENERAL NOTES:

- -O-B a - L−A -⊖--O--C COOPER FE0650 WHITE
- TOGGLE SWITCH. \$_ CONTROL

GENERAL ELECTRICAL NOTES

WORK, MATERIALS, AND EQUIPMENT SHALL COMPLY WITH THE MOST RESTRICTIVE OF LOCAL, STATE, AND FEDERAL AUTHORITIES' CODES AND ORDINANCES. AS A MINIMUM, THE INSTALLATION SHALL COMPLY WITH THE CURRENT EDITIONS IN EFFECT 30 DAYS PRIOR TO THE RECEIPT OF BIDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY PERMITS AND BE RESPONSIBLE FOR PAYMENT OF SAME ON ALL WORK WITHIN THIS CONTRACT. CONTRACTOR SHALL BE RESPONSIBLE TO MAKE CHANGES AS REQUESTED BY THE AHJ.

• INTERNATIONAL BUILDING CODE 2015 (IBC 2015)

• INTERNATIONAL FIRE CODE 2015 (IFC 2015)

• INTERNATIONAL ENERGY CONSERVATION CODE 2015 (IECC 2015)

• NEW YORK STATE UNIFORM CODE SUPPLIMENTS AND AMENDMENTS

IT IS THE INTENT OF THE CONTRACT DRAWINGS AND SPECIFICATIONS TO CALL FOR FINISHED WORK, TESTED AND READY FOR OPERATION. ALL MATERIALS SHALL BE OF FIRST QUALITY.

PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE SYSTEMS. ALL MATERIAL, WORK, OR INCIDENTAL ACCESSORIES NECESSARY TO MAKE THE WORK COMPLETE AND PERFECT AND IN ALL RESPECTS READY FOR OPERATION ARE TO BE

ALL WORK IS TO BE FREE OF DEFECTS IN WORKMANSHIP AND MATERIALS FOR A PERIOD OF NO LESS THAN ONE YEAR, UNLESS OTHERWISE INDICATED, FROM THE DATE OF FINAL ACCEPTANCE. ALL DEFECTS WHICH DEVELOP OR ARE DISCOVERED WITHIN THIS PERIOD WILL BE REPAIRED BY THE CONTRACTOR, TO THE SATISFACTION OF THE OWNER, AND AT NO ADDITIONAL

1. COORDINATE MOUNTING HEIGHTS AND LOCATION OF ALL SWITCHES AND RECEPTACLES WITH WITH ARCHITECT, UNLESS OTHERWISE REQUIRED BY CODE. 2. COORDINATE EXACT LOCATIONS AND MOUNTING HEIGHTS OF ALL OTHER DEVICES SHOWN WITH ARCHITECT.

3. COORDINATE EXACT LOCATIONS AND ELECTRICAL CONNECTIONS OF PLUMBING AND MECHANICAL EQUIPMENT WITH RESPECTIVE CONTRACTORS. 4. ALL LIGHTING SHALL BE LED AND MEET THE REQUIREMENTS OF BUILDING CODES FOR LIGHT LEVEL AND ENERGY EFFICIENCY.

5. COORDINATE CIRCUITS WITH AVAILABLE PANEL CAPACITY AND NEC REQUIREMENTS.

INTEGRATED LED, 6" DIAMETER, RECESSED DOWNLIGHT, 2700K, 600LM, 90CRI EATON HALO RL6069S1EWHDM

INTEGRATED LED, 6" DIAMETER, RECESSED, DIMMABLE, 2700K, 600LM, 90CRI EATON HALO RL6069S1EWHDM / SWITCH WBSD-DEC-*, OR EQUAL. "a" = LOWER CASE LETTER REPRESENTS SWITCH CONTROL

INTEGRATED LED, SURFACE MOUNT, EXTERIOR, ENTRY/PATIO, W/ PHOTOCELL "a" = LOWER CASE LETTER REPRESENTS SWITCH CONTROL

"a" = LOWER CASE LETTER REPRESENTS SWITCH

WALL MOUNTED STEEL RACEWAY, TWO-PIECE, DUAL-CHANNEL, POWER/DATA, LEGRAND WIREMOLD MODEL 2400D SERIES .. • POWER RECEPTICALS 10-FT ON CENTERS. • DATA/COMMUNICATION 8-FT ON CENTERS.

REPRESENTED OR REFERRED TO ARE THE PROPERTY OF AND OWNED BY LEAP ARCHITECTURE WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. THEY WERE CREATED, EVOLVED, DEVELOPED AND PRODUCED FOR THE SOLE USE ON AND IN CONNECTION WITH THIS PROJECT AND NONE OF THE ABOVE MAY BE DISCLOSED OR GIVEN TO OR USED BY ANY FIRM OR CORPORATION OR PERSON FOR ANY USE OR PURPOSE WHATSOEVER INCLUDING ANY OTHER PROJECT EXCEPT UPON WRITTEN PERMISSION AND DIRECTION FROM LEAP ARCHITECTURE.

ALL DRAWINGS . SPECIFICATIONS, IDEAS, ARRANGEMENTS AND DESIGNS





GALLERY FITOUT



LIVING ENVIRONMENTS | APPROPRIATE PROJECTS 96 PHILIP ST. ALBANY, NY 12202 518.669.9435

REV	DESCRIPTION DUCT ROUTE CHANGE	DATE ISSUED 6/12/18
2	SCOPE CHANGE - ALL WORK	2/11/20
$\sqrt{3}$	REISSUED FOR FITOUT	2/17/20
4	REISSUED FOR FITOUT	2/26/20
5	REISSUED FOR FITOUT	3/4/20

LGPC OFFICES

PARKS COMMISSION, LAKE GEORGE, NEW YORK PARKS COMMISSION

ELECTRICAL PLAN

PROJECT NUMBER DATE DRAWN BY SCALE

180404LPR 10-16-2019 CAS As Noted



You have selected the For-Profit Construction questionnaire, commonly known as the "CCA-2," which may be printed and completed in this format or, for your convenience, may be completed online using the <u>New York State VendRep System</u>.

COMPLETION & CERTIFICATION

The person(s) completing the questionnaire must be knowledgeable about the vendor's business and operations. An owner or official must certify the questionnaire and the signature must be notarized.

NEW YORK STATE VENDOR IDENTIFICATION NUMBER (VENDOR ID)

The <u>Vendor ID</u> is a ten-digit identifier issued by New York State when the vendor is registered on the Statewide Vendor File. This number must now be included on the questionnaire. If the business entity has not obtained a <u>Vendor ID</u>, contact the IT Service Desk at <u>ITServiceDesk@osc.state.ny.us</u> or call 866-370-4672.

DEFINITIONS

All underlined terms are defined in the "New York State Vendor Responsibility Definitions List," found at <u>http://www.osc.state.ny.us/vendrep/documents/questionnaire/definitions.pdf</u>. These terms may not have their ordinary, common or traditional meanings. Each vendor is strongly encouraged to read the respective definitions for any and all underlined terms. By submitting this questionnaire, the vendor agrees to be bound by the terms as defined in the "New York State Vendor Responsibility Definitions List" existing at the time of certification.

RESPONSES

Every question must be answered. Each response must provide all relevant information which can be obtained within the limits of the law. However, information regarding a determination or finding made in error which was subsequently corrected or overturned, and/or was withdrawn by the issuing government entity, is not required. Individuals and <u>Sole Proprietors</u> may use a Social Security Number but are encouraged to obtain and use a federal <u>Employer Identification Number (EIN)</u>.

BUSINESS ENT	ITY INFORMATION						
Legal Business N	ame		EIN				
Address of the Pri	incipal Place of Business (street, city, state, zip co	ode)	New York State Vendor Identification Number				
			Telephone	Fax			
			ext.				
			Website				
Authorized Conta	ct for this Questionnaire						
Name			Telephone	Fax			
			ext.				
Title			Email				
Additional <u>Business Entity</u> Identities: If applicable, list any other <u>DBA</u> , <u>Trade Name</u> , <u>Former Name</u> , Other Identity, or <u>EIN</u> used in the last five (5) years, the state or county where filed and the status (active or inactive).					used in		
Туре	Name	EIN	State or County where filed		Status		

I. BUSINESS CHARACTERISTICS							
1.0 <u>Business Entity</u> Type – Check appropriate box and provide additional information:							
a) <u>Corporation</u> (i	ncluding <u>PC</u>)	Date of Incorporation	Date of Incorporation				
b) Limited Liabili (LLC or PLLC		Date Organized					
c) 🗌 <u>Limited Liabili</u>	ity Partnership	Date of Registration					
d) <u>Limited Partne</u>	ership	Date Established					
e) <u>General Partne</u>	<u>rship</u>	Date Established County (if formed in NYS)					
f) Sole Proprietor How many years in business?							
g) 🗌 Other		Date Established					
If Other, explain:	If Other, explain:						
1.1 Was the Business Entity formed in New York State? Yes				Yes No			
If "No," indicate jurisdiction where the Business Entity was formed:							
United States	State						
Other	Country						

I. BUSINESS CHARACTERISTICS						
1.2 Is the Legal Business Entity public	y traded?		Yes No			
If "Yes," provide the <u>CIK code</u> or Ticker	Symbol:					
	istered to do business in New York St Business Entity is a Sole Proprietor o		Yes No			
If "No," explain why the Business Entity is not required to be registered to do business in New York State:						
	Joint Venture? Note: If the submittin stionnaire for each <u>Business Entity</u> co		Yes No			
1.5 If the <u>Business Entity's Principal Pl</u> maintain an office in New York Sta (Select "N/A" if <u>Principal Place of</u>		State, does the <u>Business Entir</u>	$ ty \qquad \Box Yes \ \Box No \\ \Box N/A $			
If "Yes," provide the address and telephone number for one office located in New York State.						
	Business Enterprise, or New York State Small Business, or federally certified Disadvantaged Business					
If "Yes," check all that apply:						
	ity-Owned Business Enterprise (MBI					
	en-Owned Business Enterprise (WBE)				
New York State Small Business						
Federally certified <u>Disadvantage</u>						
 1.7 Identify each person or business entity that is, or has been within the past five (5) years, <u>Principal Owner</u> of 5.0% or more of the firm's shares; a Business Entity Official; or one of the five largest shareholders, if applicable. (<i>Attach additional pages if necessary.</i>) <u>Joint Ventures</u>: Provide information for all firms involved. 						
Name (For each person, include middle initial)						
			Current Former			
			Current Former			
			Current Former			
			Current Former			

II. AFFILIATE and JOINT VENTURE RELATIONSHIPS						
2.0 Are there any other <u>construction</u> -relate <u>Business Entity</u> or any of the individua 5.0% or more of the shares of, or was of or proprietor of said other firm? (Attac	als or business entities l or is one of the five larg	listed in question 1.7 eit gest shareholders or a d	ther owned or owns	Yes No		
Firm/Company Name	Firm/Company EIN (If available)		Firm/Company's Primary Activity			
Firm/Company Address						
Explain relationship with the firm and indica	ate percent of ownershi	p, if applicable (enter N	I/A, if not applicable):			
Are there any shareholders, directors, officer has in common with this firm?	rs, owners, partners or	proprietors that the sub	nitting <u>Business Entity</u>	Yes No		
Individual's Name (Include middle initial) Position/Title with Firm/Company						
2.1 Does the <u>Business Entity</u> have any <u>con</u> 2.0 above? (Attach additional pages ij		ates not identified in the	e response to question	Yes No		
Affiliate Name	Affiliate EIN (If avai	lable)	Affiliate's Primary Business Activity			
Affiliate Address						
Explain relationship with the affiliate and indicate percent of ownership, if applicable (<i>enter N/A</i> , <i>if not applicable</i>):						
Are there any shareholders, directors, officer has in common with this affiliate?	rs, owners, partners or	proprietors that the sub	nitting Business Entity	Yes No		
Individual's Name (Include middle initial) Position/Title with Firm/Company						
2.2 Has the <u>Business Entity</u> participated in years? (<i>Attach additional pages if nece</i>		ed Joint Ventures withi	n the past three (3)	Yes No		
Joint Venture Name	Joint Venture EIN (If	Joint Venture EIN (If available) Identify parties to the Joint				

III. CONTRACT HISTORY						
3.0 Has the <u>Business Entity</u> completed any <u>construction</u> contracts?	Yes No					
If "Yes," list the ten most recent <u>construction</u> contracts the <u>Business Entity</u> has completed using Attachment A – Completed Construction Contracts, found at <u>www.osc.state.ny.us/vendrep/documents/questionnaire/ac3294s.doc</u> .						
If less than ten, include most recent subcontracts on projects up to that number.						
3.1 Does the <u>Business Entity</u> currently have uncompleted <u>construction</u> contracts?	Yes No					
If "Yes," list all current uncompleted <u>construction</u> contracts by using Attachment B – Uncompleted Construction <u>www.osc.state.ny.us/vendrep/documents/questionnaire/ac3295s.doc</u> .	tion Contracts, found at					
Note: Ongoing projects must be included.						
IV. INTEGRITY – CONTRACT BIDDING						
Within the past five (5) years, has the Business Entity, an affiliate, or any predecessor company or entity:						
4.0 Been <u>suspended</u> or <u>debarred</u> from any <u>government contracting process</u> or been <u>disqualified</u> on any government procurement?	Yes No					
4.1 Been subject to a denial or revocation of a government prequalification?	Yes No					
4.2 Had any bid rejected by a <u>government entity</u> for lack of qualifications, responsibility or because of the submission of an informal, non-responsive or incomplete bid?	Yes No					
4.3 Had a proposed subcontract rejected by a <u>government entity</u> for lack of qualifications, responsibility or because of the submission of an informal, non-responsive or incomplete bid?	Yes No					
4.4 Had a low bid rejected on a <u>government contract</u> for failure to make <u>good faith efforts</u> on any <u>Minority</u> . <u>Owned Business Enterprise</u> , <u>Women-Owned Business Enterprise</u> or <u>Disadvantaged Business Enterprise</u> goal or <u>statutory affirmative action requirements</u> on a previously held contract?						
4.5 Agreed to a voluntary exclusion from bidding/contracting with a government entity?	Yes No					
4.6 Initiated a request to withdraw a bid submitted to a government entity or made any claim of an error on	a Yes No					

bid submitted to a government entity? For each "Yes," provide an explanation of the issue(s), the <u>Business Entity</u> involved, the relationship to the submitting <u>Business</u> <u>Entity</u>, the government entity involved, project(s), relevant dates, any remedial or corrective action(s) taken and the current status of

<u>Entity</u>, the <u>government entity</u> involved, project(s), relevant dates, any remedial or corrective action(s) taken and the current status of the issue(s). Provide answer(s) below or attach additional sheets with numbered responses.

V. INTEGRITY – CONTRACT AWARD Within the past five (5) years, has the Business Entity, an affiliate, or any predecessor company or entity:			
5.0	Defaulted on or been suspended, cancelled or terminated for cause on any contract?	Yes No	
5.1	Been subject to an <u>administrative proceeding</u> or civil action seeking specific performance or restitution (except any disputed work proceeding) in connection with any <u>government contract</u> ?	Yes No	
5.2	Entered into a formal monitoring agreement, consent decree or stipulation settlement as specified by, or agreed to with, any government entity?	Yes No	
5.3	Had its surety called upon to complete any contract whether government or private sector?	Yes No	
5.4	Forfeited all or part of a standby letter of credit in connection with any government contract?	Yes No	

V. INTEGRITY – CONTRACT AWARD

Within the past five (5) years, has the Business Entity, an affiliate, or any predecessor company or entity:

For each "Yes," provide an explanation of the issue(s), the <u>Business Entity</u> involved, the relationship to the submitting <u>Business</u> <u>Entity</u>, the <u>government entity</u>/owners involved, project(s), contract number(s), relevant dates, any remedial or corrective action(s) taken and the current status of the issue(s). Provide answer(s) below or attach additional sheets with numbered responses.

VI. CERTIFICATIONS/LICENSES

Within the past five (5) years, has the Business Entity, an affiliate, or any predecessor company or entity:			
6.0	Had a revocation or suspension of any business or professional permit and/or license?	Yes No	
6.1	Had a denial, decertification, revocation or forfeiture of New York State certification of <u>Minority-Owned</u> <u>Business Enterprise</u> , <u>Women-Owned Business Enterprise</u> or a federal certification of <u>Disadvantaged</u> <u>Business Enterprise</u> status, for other than a change of ownership?	Yes No	

For each "Yes," provide an explanation of the issue(s), the <u>Business Entity</u> involved, the relationship to the submitting <u>Business</u> <u>Entity</u>, the <u>government entity</u> involved, relevant dates, any remedial or corrective action(s) taken and the current status of the issue(s). Provide answer(s) below or attach additional sheets with numbered responses.

	VII. LEGAL PROCEEDINGS/GOVERNMENT INVESTIGATIONS Within the past five (5) years, has the Business Entity, an affiliate, or any predecessor company or entity:				
7.0	Been the subject of a criminal <u>investigation</u> , whether open or closed, or an indictment for any business-related conduct constituting a crime under local, state or <u>federal</u> law?	Yes No			
7.1	Been the subject of:				
	 (i.) An indictment, grant of immunity, judgment or conviction (including entering into a plea bargain) for conduct constituting a crime; or 	Yes No			
	(ii.) Any criminal <u>investigation</u> , felony indictment or conviction concerning the formation of, or any business association with, an allegedly false or fraudulent <u>Minority-Owned Business Enterprise</u> , <u>Women-Owned Business Enterprise</u> , or a <u>Disadvantaged Business Enterprise</u> ?	🗌 Yes 🗌 No			
7.2	Received any OSHA citation, which resulted in a final determination classified as serious or willful?	Yes No			
7.3	Had a government entity find a willful prevailing wage or supplemental payment violation?	Yes No			
7.4	Had a New York State Labor Law violation deemed willful?	Yes No			
7.5	Entered into a consent order with the New York State Department of Environmental Conservation, or a <u>federal</u> , state or local government enforcement determination involving a violation of <u>federal</u> , state or local environmental laws?	Yes No			

VII. LEGAL PROCEEDINGS/GOVERNMENT INVESTIGATIONS				
Within the past five (5) years, has the Business Entity, an affiliate, or any predecessor company or entity:				
7.6 Other than previously disclosed, been the subject of any <u>citations</u> , notices or violation orders; a pending administrative hearing, proceeding or determination of a violation of:				
• <u>Federal</u> , state or local health laws, rules or regulations;				
• <u>Federal</u> , state or local environmental laws, rules or regulations;				
• Unemployment insurance or workers compensation coverage or <u>claim</u> requirements;				
• Any labor law or regulation, which was deemed willful;				
• Employee Retirement Income Security Act (ERISA);				
• <u>Federal</u> , state or local human rights laws;				
• <u>Federal</u> , state or local security laws?				
For each "Yes," provide an explanation of the issue(s), the <u>Business Entity</u> involved, the relationship to the submitting <u>Business</u> <u>Entity</u> , the <u>government entity</u> involved, relevant dates, any remedial or corrective action(s) taken and the current status of the issue(s). Provide answer(s) below or attach additional sheets with numbered responses.				

Note: Information regarding a determination or finding made in error, which was subsequently corrected or overturned, and/or was withdrawn by the issuing government entity, is not required.

VIII. LEADERSHIP INTEGRITY

answer(s) below or attach additional sheets with numbered responses.

If the Business Entity is a Joint Venture Entity, answer "N/A - Not Applicable" to questions in this section.

Within the past five (5) years has any individual previously identified or any individual currently or formerly having the authority to sign, execute or approve bids, proposals, contracts or supporting documentation on behalf of the Business Entity with any government entity been:

8.0	0 <u>Sanctioned</u> relative to any business or professional permit and/or license?				
		N/A			
8.1	Suspended, debarred or disqualified from any government contracting process?	Yes No			
		N/A			
8.2	The subject of a criminal investigation, whether open or closed, or an indictment for any business-related	Yes No			
	conduct constituting a crime under local, state or <u>federal</u> law?	N/A			
8.3	Charged with a misdemeanor or felony, indicted, granted immunity, convicted of a crime or subject to a	Yes No			
	judgment for:	N/A			
	(i.) Any business-related activity, including but not limited to fraud, coercion, extortion, bribe or bribe-				
	receiving, giving or accepting unlawful gratuities, immigration or tax fraud, racketeering, mail fraud, wire fraud, price-fixing or collusive bidding; or				
	(ii.) Any crime, whether or not business-related, the underlying conduct of which related to truthfulness,				
	including but not limited to the filing of false documents or false sworn statements, perjury or larceny				
For	For each "Yes," provide an explanation of the issue(s), the individual involved, the relationship to the submitting Business Entity, the				
government entity involved, relevant dates, any remedial or corrective action(s) taken and the current status of the issue(s). Provide					

IX. FINANCIAL AND ORGANIZATIONAL CAPACITY				
9.0 Within the past five (5) years, has the <u>Business Entity</u> or any <u>affiliate</u> received any <u>formal unsatisfactory</u> Yes No performance assessment(s) from any government entity on any contract?				
If "Yes," provide an explanation of the issue(s), the <u>Business Entity</u> involved, the relationship to the submitting <u>Business Entity</u> , the <u>government entity</u> involved, relevant dates, any remedial or corrective action(s) taken and the current status of the issue(s). Provide answer below or attach additional sheets with numbered responses.				
9.1 Within the past five (5) years, has the jover \$25,000?	Business Entity or any	<u>affiliate</u> had an <u>y liquid</u>	ated damages assessed	Yes No
If "Yes," provide an explanation of the issue relevant dates, the contracting party involve attach additional sheets with numbered resp	d, the amount assessed			
9.2 Within the past five (5) years, has the pover \$25,000 filed against the Business than 90 days? (<i>Note: Including but no</i>	s Entity which remain u	undischarged or were u	insatisfied for more	Yes No
If "Yes," provide an explanation of the issue(s), the <u>Business Entity</u> involved, the relationship to the submitting <u>Business Entity</u> , relevant dates, the Lien holder or Claimants' name(s), the amount of the <u>lien(s)</u> and the current status of the issue(s). Provide answer below or attach additional sheets with numbered responses.				
9.3 In the last seven (7) years, has the <u>Bus</u> bankruptcy proceedings, whether or no				Yes No
If "Yes," provide the <u>Business Entity</u> involved, the relationship to the submitting <u>Business Entity</u> , the bankruptcy chapter number, the court name and the docket number. Indicate the current status of the proceedings as "Initiated," "Pending" or "Closed." Provide answer below or attach additional sheets with numbered responses.				
9.4 What is the <u>Business Entity's</u> Bonding	Capacity?			
a. Single Project		b. Aggregate (All Projects)		
9.5 List <u>Business Entity's</u> Gross Sales for the previous three (3) Fiscal Years:				
1st Year (Indicate year)	2nd Year (Indicate y	ear)	3rd Year (Indicate year)	
Gross Sales	Gross Sales	Gross Sales		
 9.6 List <u>Business Entity's</u> Average Backlog for the previous three (3) fiscal years: (Estimated total value of uncompleted work on outstanding contracts) 				
1st Year (Indicate year) 2nd Year (Indicate year)		ear)	3rd Year (Indicate year)	
Amount Amount			Amount	
 9.7 Attach <u>Business Entity's</u> most recent annual <u>financial statement</u> and accompanying notes or complete Attachment C – Financial Information, found at <u>www.osc.state.ny.us/vendrep/documents/questionnaire/ac3296s.xls</u>. (<i>This information must be attached.</i>) 				

X.F	X. FREEDOM OF INFORMATION LAW (FOIL)			
10.0	Indicate whether any information provided herein is believed to be exempt from disclosure under the Freedom of Information Law (FOIL).	Yes No		
	Note: A determination of whether such information is exempt from FOIL will be made at the time of any request for disclosure under FOIL. Attach additional pages if necessary.			
If "Yes," indicate the question number(s) and explain the basis for the claim.				

Certification

The undersigned: (1) recognizes that this questionnaire is submitted for the express purpose of assisting New York State government entities (including the Office of the State Comptroller (OSC)) in making responsibility determinations regarding award or approval of a contract or subcontract and that such government entities will rely on information disclosed in the questionnaire in making responsibility determinations; (2) acknowledges that the New York State government entities and OSC may, in their discretion, by means which they may choose, verify the truth and accuracy of all statements made herein; and (3) acknowledges that intentional submission of false or misleading information may result in criminal penalties under State and/or Federal Law, as well as a finding of non-responsibility, contract suspension or contract termination.

The undersigned certifies that he/she:

- is knowledgeable about the submitting Business Entity's business and operations;
- has read and understands all of the questions contained in the questionnaire;
- has not altered the content of the questionnaire in any manner;
- has reviewed and/or supplied full and complete responses to each question;
- to the best of his/her knowledge, information and belief, confirms that the Business Entity's responses are true, accurate and complete, including all attachments, if applicable;
- understands that New York State government entities will rely on the information disclosed in the questionnaire when entering into a contract with the Business Entity; and
- is under an obligation to update the information provided herein to include any material changes to the Business Entity's responses at the time of bid/proposal submission through the contract award notification, and may be required to update the information at the request of the New York State government entities or OSC prior to the award and/or approval of a contract, or during the term of the contract.

Signature of Owner/Official				
Printed Name of Signatory				
Title				
Name of Business				
Address				
City, State, Zip				
Sworn to before me this	day of		; 20;	
		Notary Public		

APPENDIX A

STANDARD CLAUSES FOR NEW YORK STATE CONTRACTS

PLEASE RETAIN THIS DOCUMENT FOR FUTURE REFERENCE.

October 2019

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STANDARD CLAUSES FOR NYS CONTRACTS

The parties to the attached contract, license, lease, amendment or other agreement of any kind (hereinafter, "the contract" or "this contract") agree to be bound by the following clauses which are hereby made a part of the contract (the word "Contractor" herein refers to any party other than the State, whether a contractor, licenser, licensee, lessor, lessee or any other party):

1. <u>EXECUTORY CLAUSE</u>. In accordance with Section 41 of the State Finance Law, the State shall have no liability under this contract to the Contractor or to anyone else beyond funds appropriated and available for this contract.

2. NON-ASSIGNMENT CLAUSE. In accordance with Section 138 of the State Finance Law, this contract may not be assigned by the Contractor or its right, title or interest therein assigned, transferred, conveyed, sublet or otherwise disposed of without the State's previous written consent, and attempts to do so are null and void. Notwithstanding the foregoing, such prior written consent of an assignment of a contract let pursuant to Article XI of the State Finance Law may be waived at the discretion of the contracting agency and with the concurrence of the State Comptroller where the original contract was subject to the State Comptroller's approval, where the assignment is due to a reorganization, merger or consolidation of the Contractor's business entity or enterprise. The State retains its right to approve an assignment and to require that any Contractor demonstrate its responsibility to do business with the State. The Contractor may, however, assign its right to receive payments without the State's prior written consent unless this contract concerns Certificates of Participation pursuant to Article 5-A of the State Finance Law.

3. COMPTROLLER'S APPROVAL. In accordance with Section 112 of the State Finance Law (or, if this contract is with the State University or City University of New York, Section 355 or Section 6218 of the Education Law), if this contract exceeds \$50,000 (or the minimum thresholds agreed to by the Office of the State Comptroller for certain S.U.N.Y. and C.U.N.Y. contracts), or if this is an amendment for any amount to a contract which, as so amended, exceeds said statutory amount, or if, by this contract, the State agrees to give something other than money when the value or reasonably estimated value of such consideration exceeds \$25,000, it shall not be valid, effective or binding upon the State until it has been approved by the State Comptroller and filed in his office. Comptroller's approval of contracts let by the Office of General Services is required when such contracts exceed \$85,000 (State Finance Law § 163.6-a). However, such pre-approval shall not be required for any contract established as a centralized contract through the Office of General Services or for a purchase order or other transaction issued under such centralized contract.

4. <u>WORKERS' COMPENSATION BENEFITS</u>. In accordance with Section 142 of the State Finance Law, this contract shall be void and of no force and effect unless the

Contractor shall provide and maintain coverage during the life of this contract for the benefit of such employees as are required to be covered by the provisions of the Workers' Compensation Law.

5. NON-DISCRIMINATION REQUIREMENTS. To the extent required by Article 15 of the Executive Law (also known as the Human Rights Law) and all other State and Federal statutory and constitutional non-discrimination provisions, the Contractor will not discriminate against any employee or applicant for employment, nor subject any individual to harassment, because of age, race, creed, color, national origin, sexual orientation, gender identity or expression, military status, sex, disability, predisposing genetic characteristics, familial status, marital status, or domestic violence victim status or because the individual has opposed any practices forbidden under the Human Rights Law or has filed a complaint, testified, or assisted in any proceeding under the Human Rights Law. Furthermore, in accordance with Section 220-e of the Labor Law, if this is a contract for the construction, alteration or repair of any public building or public work or for the manufacture, sale or distribution of materials, equipment or supplies, and to the extent that this contract shall be performed within the State of New York, Contractor agrees that neither it nor its subcontractors shall, by reason of race, creed, color, disability, sex, or national origin: (a) discriminate in hiring against any New York State citizen who is qualified and available to perform the work; or (b) discriminate against or intimidate any employee hired for the performance of work under this contract. If this is a building service contract as defined in Section 230 of the Labor Law, then, in accordance with Section 239 thereof, Contractor agrees that neither it nor its subcontractors shall by reason of race, creed, color, national origin, age, sex or disability: (a) discriminate in hiring against any New York State citizen who is qualified and available to perform the work; or (b) discriminate against or intimidate any employee hired for the performance of work under this contract. Contractor is subject to fines of \$50.00 per person per day for any violation of Section 220-e or Section 239 as well as possible termination of this contract and forfeiture of all moneys due hereunder for a second or subsequent violation.

6. WAGE AND HOURS PROVISIONS. If this is a public work contract covered by Article 8 of the Labor Law or a building service contract covered by Article 9 thereof, neither Contractor's employees nor the employees of its subcontractors may be required or permitted to work more than the number of hours or days stated in said statutes, except as otherwise provided in the Labor Law and as set forth in prevailing wage and supplement schedules issued by the State Labor Department. Furthermore, Contractor and its subcontractors must pay at least the prevailing wage rate and pay or provide the prevailing supplements, including the premium rates for overtime pay, as determined by the State Labor Department in accordance with the Labor Law. Additionally, effective April 28, 2008, if this is a public work contract covered by Article 8 of the Labor Law, the Contractor understands and agrees that the filing of payrolls in a manner consistent with Subdivision 3a of Section 220 of the Labor Law shall be a condition precedent to payment by the State of any State approved sums due and owing for work done upon the project.

7. <u>NON-COLLUSIVE BIDDING CERTIFICATION</u>. In accordance with Section 139-d of the State Finance Law, if this contract was awarded based upon the submission of bids, Contractor affirms, under penalty of perjury, that its bid was arrived at independently and without collusion aimed at restricting competition. Contractor further affirms that, at the time Contractor submitted its bid, an authorized and responsible person executed and delivered to the State a non-collusive bidding certification on Contractor's behalf.

8. INTERNATIONAL BOYCOTT PROHIBITION. In accordance with Section 220-f of the Labor Law and Section 139-h of the State Finance Law, if this contract exceeds \$5,000. the Contractor agrees, as a material condition of the contract, that neither the Contractor nor any substantially owned or affiliated person, firm, partnership or corporation has participated, is participating, or shall participate in an international boycott in violation of the federal Export Administration Act of 1979 (50 USC App. Sections 2401 et seq.) or regulations thereunder. If such Contractor, or any of the aforesaid affiliates of Contractor, is convicted or is otherwise found to have violated said laws or regulations upon the final determination of the United States Commerce Department or any other appropriate agency of the United States subsequent to the contract's execution, such contract, amendment or modification thereto shall be rendered forfeit and void. The Contractor shall so notify the State Comptroller within five (5) business days of such conviction, determination or disposition of appeal (2 NYCRR § 105.4).

9. SET-OFF RIGHTS. The State shall have all of its common law, equitable and statutory rights of set-off. These rights shall include, but not be limited to, the State's option to withhold for the purposes of set-off any moneys due to the Contractor under this contract up to any amounts due and owing to the State with regard to this contract, any other contract with any State department or agency, including any contract for a term commencing prior to the term of this contract, plus any amounts due and owing to the State for any other reason including, without limitation, tax delinquencies, fee delinquencies or monetary penalties relative thereto. The State shall exercise its set-off rights in accordance with normal State practices including, in cases of set-off pursuant to an audit, the finalization of such audit by the State agency, its representatives, or the State Comptroller.

10. <u>RECORDS</u>. The Contractor shall establish and maintain complete and accurate books, records, documents, accounts and other evidence directly pertinent to performance under this contract (hereinafter, collectively, the "Records"). The Records must be kept for the balance of the calendar year in which they were made and for six (6) additional years thereafter. The State Comptroller, the Attorney General and any other person or entity authorized to conduct an examination, as well as the

agency or agencies involved in this contract, shall have access to the Records during normal business hours at an office of the Contractor within the State of New York or, if no such office is available, at a mutually agreeable and reasonable venue within the State, for the term specified above for the purposes of inspection, auditing and copying. The State shall take reasonable steps to protect from public disclosure any of the Records which are exempt from disclosure under Section 87 of the Public Officers Law (the "Statute") provided that: (i) the Contractor shall timely inform an appropriate State official, in writing, that said records should not be disclosed; and (ii) said records shall be sufficiently identified; and (iii) designation of said records as exempt under the Statute is reasonable. Nothing contained herein shall diminish, or in any way adversely affect, the State's right to discovery in any pending or future litigation.

11. IDENTIFYING INFORMATION AND PRIVACY **NOTIFICATION.** (a) Identification Number(s). Everv invoice or New York State Claim for Payment submitted to a New York State agency by a payee, for payment for the sale of goods or services or for transactions (e.g., leases, easements, licenses, etc.) related to real or personal property must include the payee's identification number. The number is any or all of the following: (i) the payee's Federal employer identification number, (ii) the payee's Federal social security number, and/or (iii) the payee's Vendor Identification Number assigned by the Statewide Financial System. Failure to include such number or numbers may delay payment. Where the payee does not have such number or numbers, the payee, on its invoice or Claim for Payment, must give the reason or reasons why the payee does not have such number or numbers.

(b) Privacy Notification. (1) The authority to request the above personal information from a seller of goods or services or a lessor of real or personal property, and the authority to maintain such information. is found in Section 5 of the State Tax Law. Disclosure of this information by the seller or lessor to the State is mandatory. The principal purpose for which the information is collected is to enable the State to identify individuals, businesses and others who have been delinquent in filing tax returns or may have understated their tax liabilities and to generally identify persons affected by the taxes administered by the Commissioner of Taxation and Finance. The information will be used for tax administration purposes and for any other purpose authorized by law. (2) The personal information is requested by the purchasing unit of the agency contracting to purchase the goods or services or lease the real or personal property covered by this contract or lease. The information is maintained in the Statewide Financial System by the Vendor Management Unit within the Bureau of State Expenditures. Office of the State Comptroller, 110 State Street, Albany, New York 12236.

12. EQUAL EMPLOYMENT OPPORTUNITIES FOR MINORITIES AND WOMEN. In accordance with Section 312 of the Executive Law and 5 NYCRR Part 143, if this contract is: (i) a written agreement or purchase order instrument, providing for a total expenditure in excess of

\$25,000.00, whereby a contracting agency is committed to expend or does expend funds in return for labor, services, supplies, equipment, materials or any combination of the foregoing, to be performed for, or rendered or furnished to the contracting agency; or (ii) a written agreement in excess of \$100,000.00 whereby a contracting agency is committed to expend or does expend funds for the acquisition, construction, demolition, replacement, major repair or renovation of real property and improvements thereon; or (iii) a written agreement in excess of \$100,000.00 whereby the owner of a State assisted housing project is committed to expend or does expend funds for the acquisition, construction, demolition, replacement, major repair or renovation of real property and improvements thereon for such project, then the following shall apply and by signing this agreement the Contractor certifies and affirms that it is Contractor's equal employment opportunity policy that:

(a) The Contractor will not discriminate against employees or applicants for employment because of race, creed, color, national origin, sex, age, disability or marital status, shall make and document its conscientious and active efforts to employ and utilize minority group members and women in its work force on State contracts and will undertake or continue existing programs of affirmative action to ensure that minority group members and women are afforded equal employment opportunities without discrimination. Affirmative action shall mean recruitment, employment, job assignment, promotion, upgradings, demotion, transfer, layoff, or termination and rates of pay or other forms of compensation;

(b) at the request of the contracting agency, the Contractor shall request each employment agency, labor union, or authorized representative of workers with which it has a collective bargaining or other agreement or understanding, to furnish a written statement that such employment agency, labor union or representative will not discriminate on the basis of race, creed, color, national origin, sex, age, disability or marital status and that such union or representative will affirmatively cooperate in the implementation of the Contractor's obligations herein; and

(c) the Contractor shall state, in all solicitations or advertisements for employees, that, in the performance of the State contract, all qualified applicants will be afforded equal employment opportunities without discrimination because of race, creed, color, national origin, sex, age, disability or marital status.

Contractor will include the provisions of "a," "b," and "c" above, in every subcontract over \$25,000.00 for the construction, demolition, replacement, major repair, renovation, planning or design of real property and improvements thereon (the "Work") except where the Work is for the beneficial use of the Contractor. Section 312 does not apply to: (i) work, goods or services unrelated to this contract; or (ii) employment outside New York State. The State shall consider compliance by a contractor or subcontractor with the requirements of any federal law concerning equal employment opportunity which effectuates the purpose of this clause. The contracting agency shall determine whether the imposition of the requirements of the provisions hereof duplicate or conflict with any such federal law and if such duplication or conflict exists, the contracting agency shall waive the applicability of Section 312 to the extent of such duplication or conflict. Contractor will comply with all duly promulgated and lawful rules and regulations of the Department of Economic Development's Division of Minority and Women's Business Development pertaining hereto.

13. <u>CONFLICTING TERMS</u>. In the event of a conflict between the terms of the contract (including any and all attachments thereto and amendments thereof) and the terms of this Appendix A, the terms of this Appendix A shall control.

14. <u>GOVERNING LAW</u>. This contract shall be governed by the laws of the State of New York except where the Federal supremacy clause requires otherwise.

15. <u>LATE PAYMENT</u>. Timeliness of payment and any interest to be paid to Contractor for late payment shall be governed by Article 11-A of the State Finance Law to the extent required by law.

16. <u>NO ARBITRATION</u>. Disputes involving this contract, including the breach or alleged breach thereof, may not be submitted to binding arbitration (except where statutorily authorized), but must, instead, be heard in a court of competent jurisdiction of the State of New York.

17. <u>SERVICE OF PROCESS</u>. In addition to the methods of service allowed by the State Civil Practice Law & Rules ("CPLR"), Contractor hereby consents to service of process upon it by registered or certified mail, return receipt requested. Service hereunder shall be complete upon Contractor's actual receipt of process or upon the State's receipt of the return thereof by the United States Postal Service as refused or undeliverable. Contractor must promptly notify the State, in writing, of each and every change of address to which service of process can be made. Service by the State to the last known address shall be sufficient. Contractor will have thirty (30) calendar days after service hereunder is complete in which to respond.

18. PROHIBITION ON PURCHASE OF TROPICAL HARDWOODS. The Contractor certifies and warrants that all wood products to be used under this contract award will be in accordance with, but not limited to, the specifications and provisions of Section 165 of the State Finance Law, (Use of Tropical Hardwoods) which prohibits purchase and use of tropical hardwoods, unless specifically exempted, by the State or any governmental agency or political subdivision or public benefit corporation. Qualification for an exemption under this law will be the responsibility of the contractor to establish to meet with the approval of the State.

In addition, when any portion of this contract involving the use of woods, whether supply or installation, is to be performed by any subcontractor, the prime Contractor will indicate and certify in the submitted bid proposal that the subcontractor has been informed and is in compliance with specifications and provisions regarding use of tropical hardwoods as detailed in § 165 State Finance Law. Any such use must meet with the approval of the State; otherwise, the bid may not be considered responsive. Under bidder certifications, proof of qualification for exemption will be the responsibility of the Contractor to meet with the approval of the State.

19. MACBRIDE FAIR EMPLOYMENT PRINCIPLES. In

accordance with the MacBride Fair Employment Principles (Chapter 807 of the Laws of 1992), the Contractor hereby stipulates that the Contractor either (a) has no business operations in Northern Ireland, or (b) shall take lawful steps in good faith to conduct any business operations in Northern Ireland in accordance with the MacBride Fair Employment Principles (as described in Section 165 of the New York State Finance Law), and shall permit independent monitoring of compliance with such principles.

20. OMNIBUS PROCUREMENT ACT OF 1992. It is the policy of New York State to maximize opportunities for the participation of New York State business enterprises, including minority- and women-owned business enterprises as bidders, subcontractors and suppliers on its procurement contracts.

Information on the availability of New York State subcontractors and suppliers is available from:

NYS Department of Economic Development Division for Small Business Albany, New York 12245 Telephone: 518-292-5100 Fax: 518-292-5884 email: <u>opa@esd.ny.gov</u>

A directory of certified minority- and women-owned business enterprises is available from:

NYS Department of Economic Development Division of Minority and Women's Business Development 633 Third Avenue New York, NY 10017 212-803-2414 email: <u>mwbecertification@esd.ny.gov</u> <u>https://ny.newnycontracts.com/FrontEnd/VendorSearchPu</u> blic.asp

The Omnibus Procurement Act of 1992 (Chapter 844 of the Laws of 1992, codified in State Finance Law § 139-i and Public Authorities Law § 2879(3)(n)-(p)) requires that by signing this bid proposal or contract, as applicable, Contractors certify that whenever the total bid amount is greater than \$1 million:

(a) The Contractor has made reasonable efforts to encourage the participation of New York State Business Enterprises as suppliers and subcontractors, including certified minority- and women-owned business enterprises, on this project, and has retained the documentation of these efforts to be provided upon request to the State;

(b) The Contractor has complied with the Federal Equal Opportunity Act of 1972 (P.L. 92-261), as amended;

(c) The Contractor agrees to make reasonable efforts to provide notification to New York State residents of employment opportunities on this project through listing any such positions with the Job Service Division of the New York State Department of Labor, or providing such notification in such manner as is consistent with existing collective bargaining contracts or agreements. The Contractor agrees to document these efforts and to provide said documentation to the State upon request; and

(d) The Contractor acknowledges notice that the State may seek to obtain offset credits from foreign countries as a result of this contract and agrees to cooperate with the State in these efforts.

21. RECIPROCITY AND SANCTIONS PROVISIONS. Bidders are hereby notified that if their principal place of business is located in a country, nation, province, state or political subdivision that penalizes New York State vendors, and if the goods or services they offer will be substantially produced or performed outside New York State, the Omnibus Procurement Act 1994 and 2000 amendments (Chapter 684 and Chapter 383, respectively, codified in State Finance Law § 165(6) and Public Authorities Law § 2879(5))) require that they be denied contracts which they would otherwise obtain. NOTE: As of October 2019, the list of discriminatory jurisdictions subject to this provision includes the states of South Carolina, Alaska, West Virginia, Wyoming, Louisiana and Hawaii.

22. <u>COMPLIANCE WITH BREACH NOTIFICATION</u> <u>AND DATA SECURITY LAWS</u>. Contractor shall comply with the provisions of the New York State Information Security Breach and Notification Act (General Business Law § 899-aa and State Technology Law § 208) and commencing March 21, 2020 shall also comply with General Business Law § 899-bb.

23. COMPLIANCE WITH CONSULTANT DISCLOSURE LAW. If this is a contract for consulting services, defined for purposes of this requirement to include analysis, evaluation, research, training, data processing, computer programming, engineering, environmental, health, and mental health services, accounting, auditing, paralegal, legal or similar services, then, in accordance with Section 163 (4)(g) of the State Finance Law (as amended by Chapter 10 of the Laws of 2006), the Contractor shall timely, accurately and properly comply with the requirement to submit an annual employment report for the contract to the agency that awarded the contract, the Department of Civil Service and the State Comptroller.

24. <u>PROCUREMENT LOBBYING</u>. To the extent this agreement is a "procurement contract" as defined by State Finance Law §§ 139-j and 139-k, by signing this agreement the contractor certifies and affirms that all disclosures made in accordance with State Finance Law §§ 139-j and 139-k are complete, true and accurate. In the event such certification is found to be intentionally false or intentionally incomplete, the State may terminate the agreement by providing written notification to the Contractor in accordance with the terms of the agreement.

25. <u>CERTIFICATION OF REGISTRATION TO</u> <u>COLLECT SALES AND COMPENSATING USE TAX BY</u> <u>CERTAIN STATE CONTRACTORS, AFFILIATES AND</u> <u>SUBCONTRACTORS</u>.

To the extent this agreement is a contract as defined by Tax Law § 5-a, if the contractor fails to make the certification required by Tax Law § 5-a or if during the term of the contract, the Department of Taxation and Finance or the covered agency, as defined by Tax Law § 5-a, discovers that the certification, made under penalty of perjury, is false, then such failure to file or false certification shall be a material breach of this contract and this contract may be terminated, by providing written notification to the Contractor in accordance with the terms of the agreement, if the covered agency determines that such action is in the best interest of the State.

26. **IRAN DIVESTMENT ACT.** By entering into this Agreement, Contractor certifies in accordance with State Finance Law § 165-a that it is not on the "Entities Determined to be Non-Responsive Bidders/Offerers pursuant to the New York State Iran Divestment Act of 2012" ("Prohibited Entities List") posted at: <u>https://ogs.ny.gov/list-entities-determined-be-non-responsive-biddersofferers-pursuant-nys-iran-divestment-act-2012</u>

Contractor further certifies that it will not utilize on this Contract any subcontractor that is identified on the Prohibited Entities List. Contractor agrees that should it seek to renew or extend this Contract, it must provide the same certification at the time the Contract is renewed or extended. Contractor also agrees that any proposed Assignee of this Contract will be required to certify that it is not on the Prohibited Entities List before the contract assignment will be approved by the State.

During the term of the Contract, should the state agency receive information that a person (as defined in State Finance Law § 165-a) is in violation of the above-referenced certifications, the state agency will review such information and offer the person an opportunity to respond. If the person fails to demonstrate that it has ceased its engagement in the investment activity which is in violation of the Act within 90 days after the determination of such violation, then the state agency shall take such action as may be appropriate and provided for by law, rule, or contract, including, but not limited to, imposing sanctions, seeking compliance, recovering damages, or declaring the Contractor in default. The state agency reserves the right to reject any bid, request for assignment, renewal or extension for an entity that appears on the Prohibited Entities List prior to the award, assignment, renewal or extension of a contract, and to pursue a responsibility review with respect to any entity that is awarded a contract and appears on the Prohibited Entities list after contract award.

27. <u>ADMISSIBILITY OF REPRODUCTION OF</u> <u>CONTRACT</u>. Notwithstanding the best evidence rule or any other legal principle or rule of evidence to the contrary, the Contractor acknowledges and agrees that it waives any and all objections to the admissibility into evidence at any court proceeding or to the use at any examination before trial of an electronic reproduction of this contract, in the form approved by the State Comptroller, if such approval was required, regardless of whether the original of said contract is in existence. The following pages are NYS general construction standards

SECTION 260509

ELECTRIC WORK

PART 1 GENERAL

1.01 QUALITY ASSURANCE

- A. Qualifications: The persons performing the Work of this Section and their supervisor shall be personally experienced in electrical work and shall have been regularly performing such work for a minimum of 3 years.
- B. UL Listing: Equipment and materials for which Underwriters' Laboratories, Inc. (UL) provides product listing service shall be listed and bear the listing mark.
- C. Underwriter's Certificate: A New York Board of Fire Underwriters inspection or certificate is not required.

PART 2 PRODUCTS

2.01 MATERIALS

- A. Raceways For Concealed Work: Rigid ferrous metal conduit, intermediate ferrous metal conduit, or electrical metallic tubing.
- B. Raceways For Exposed Work: Mono-System Inc.'s, Wiremold Co.'s, or, or Thomas & Betts Corp.'s surface metal raceway systems.
- C. Conductors: Copper, insulated with Type FEP, THHN, THW, THW-2, THWN, THWN-2, XHH, XHHW, XHHW-2 insulation rated 600 volts.

PART 3 EXECUTION

3.01 PREPARATION

A. Remove all existing exposed raceways, BX cables, outlet boxes, etc., superseded by the Work of this contract whether shown on the drawings or not. Provide blank covers on abandoned recessed boxes.

3.02 INSTALLATION

A. Install the Work in accordance with the requirements of NFPA 70 - National Electrical Code.

END OF SECTION

SECTION 061000

ROUGH CARPENTRY

PART 1 GENERAL

1.01 **REFERENCES**

- A. Standards: Comply with the following unless otherwise specified or indicated on the Drawings:
 - 1. Lumber: American Softwood Lumber Standard PS 20 by the U.S. Department of Commerce. Comply with applicable provisions for each indicated use.
 - 2. Plywood: Product Standard PS 1 for Softwood Plywood, Construction and Industrial by the U.S. Department of Commerce.
 - 3. Plywood Installation: APA Design/Construction Guide, Residential & Commercial by the American Plywood Association (APA).
 - 4. Grading Rules:
 - a. Douglas Fir, Hem-Fir, Idaho White Pine, and other Western Woods: Western Wood Products Association (WWPA) or West Coast Lumber Inspection Bureau (WCLIB).
 - b. Southern Pine: Southern Pine Inspection Bureau (SPIB).
 - c. Redwood: Redwood Inspection Service (RIS).
 - d. Spruce-Pine-Fir: National Lumber Grades Authority (NLGA).
 - 5. Preservative Treatment: American Wood Preservers' Association (AWPA) and American Wood Preservers Bureau (AWPB) Standards, quality control methods, and inspection requirements.
 - 6. Fire-Retardant Treatment: American Wood Preservers' Association (AWPA) Standards.
 - 7. Framing Installation: American Forest and Paper Association (AFPA).

1.02 QUALITY ASSURANCE

- A. Mill and Producers Mark: Each piece of lumber and plywood shall be gradestamped indicating type, grade, mill, and grading agency certified by the Board of Review of the American Lumber Standards Committee. Mark shall appear on unfinished surface, or ends of pieces with finished surfaces.
 - 1. Pressure Preservative Treated Material: Accredited agency quality mark, on each piece of wood, indicating treatment.
 - 2. Fire-Retardant Treated Material: Accredited testing agency mark, on each piece of wood, indicating compliance with the fire hazard classification.

1.03 DELIVERY, STORAGE, AND HANDLING

A. Keep materials dry. Make provision for air circulation around and between stacks of wood products.

PART 2 PRODUCTS

2.01 LUMBER

- A. General: Furnish seasoned dimension lumber dressed to nominal sizes indicated with 19 percent maximum moisture content at time of dressing, marked "S-DRY". Comply with dry size requirements of PS 20.
 - 1. Dress: Surfaced 4 sides (S4S) unless otherwise indicated.
- B. Framing Lumber: Species: Douglas Fir or Hem-Fir (WWPA or WCLIB), or Southern Pine (SPIB), or Spruce-Pine-Fir (NGLA) unless otherwise indicated.
 - 1. Light Framing; 2 inches through 4 inches thick, less than 6 inches wide: Standard and Better grade, except Stud grade for stud framing.
 - 2. Structural Framing; 2 inches through 4 inches thick, 6 inches wide and wider: No. 2 grade.
- C. Board Lumber; less than 2 inches thick:
 - 1. Exposed Board Lumber, for Paint Finish: Southern Pine No. 1 (SPIB), Douglas Fir 2 Common (WWPA), Select Merchantable (WCLIB), or Spruce-Pine-Fir Appearance (NGLA).
 - Concealed Board Lumber: Southern Pine No. 3 (SPIB), any species No. 4 (WWPA), any species Standard (WCLIB), or Spruce-Pine-Fir No. 1 / No. 2 (NGLA).
- D. Miscellaneous Lumber: Standard grade, No. 3 grade, or better grade of the following species unless otherwise indicated:
 - 1. Nailers and Blocking: Douglas Fir, Hem-Fir, Idaho White Pine, Southern Pine, or Spruce-Pine-Fir.
 - 2. Furring: Spruce, Hem-Fir, or Spruce-Pine-Fir except Douglas Fir or Southern Pine for furring required to receive preservative treatment.

2.02 PLYWOOD

A. Sheathing and Subflooring: APA RATED SHEATHING, EXPOSURE 1. Furnish APA PS 1 veneered panels, with span ratings for the required thicknesses as listed below unless otherwise indicated.

THICKNESS	SPAN RATING
3/8 inch	24/0
1/2 inch	32/16
5/8	40/20
3/4	48/24

- B. Underlayment: APA UNDERLAYMENT, EXPOSURE 1.
 - 1. For use under resilient tile flooring and resilient sheet flooring: Sanded face.
 - 2. For use under carpet and fluid applied flooring: Touch-sanded.

2.03 PARTICLEBOARD

A. Underlayment: ANSI A 208.1, Type 1, Density Range M (40 lb/cu ft minimum average).

2.04 HARDBOARD

A. Hardboard: PS 58, Class "Tempered", S1S, plain board.

2.05 MISCELLANEOUS MATERIALS

- A. Underlayment Patching Compound: Hardsetting, quicksetting type with latex or polyvinyl acetate binder.
- B. Asphalt Felt: Asphalt-saturated felt, No. 15, without perforations, complying with ASTM D 226.
- C. Rosin Paper: Commercial, rosin-sized building paper, 0.010 inch thick.

2.06 PRESERVATIVE TREATMENT

- A. Treat lumber and plywood where indicated and as specified. Comply with applicable AWPA and AWPB Standards and quality control and inspection requirements.
- B. Complete fabrication of items to be treated to the greatest extent possible prior to treatment. Where items must be cut after treatment, coat cut surfaces with heavy brush coat of the same chemical used for treatment or other solution recommended by AWPA Standards for the treatment.
- C. Pressure Treatment (Above Ground Use): Treat the following wood items with waterbourne preservatives for above ground use, complying with AWPB LP-2. Redry wood to a maximum moisture content of 19 percent after treatment.
 - 1. Nailers, blocking, cants, shim stock, and similar members used in conjunction with roofing (including related flashings, trim and vapor barrier) and coping.
 - 2. Nailers, blocking, furring, stripping, and similar concealed members in contact with exterior masonry and concrete (including interior wythe of exterior walls).
 - 3. Wood items indicated or scheduled on the Drawings to be preservative treated.
- D. Pressure Treatment (Ground Contact Use): Treat the following wood items with waterbourne preservatives for below ground use, complying with AWPB LP-22:
 - 1. Wood members placed in the ground.
 - 2. Wood members immersed in fresh water.
 - 3. Wood members encased in concrete.
- E. Dip Treatment: Treat the following wood items with a 3 minute dip in 5 percent solution of pentachlorophenol with water repellant added:
 1.

2.

2.07 FIRE-RETARDANT TREATMENT

- A. Furnish "FR-S" lumber where indicated, complying with AWPA Standards for pressure impregnation with fire-retardant chemicals to achieve a flamespread rating of 25 or less, when tested in accordance with UL Test 723, ASTM E 84 or NFPA Test 255.
 - 1. Where treated items are indicated to receive a transparent or paint finish, use a fire-retardant treatment which will not bleed through or adversely affect bond of finish.
 - 2. Provide UL label or identifying mark on each piece of fire-retardant lumber.
 - 3. Redry treated items to a maximum moisture content of 19 percent after treatment.

2.08 FASTENERS AND ANCHORING DEVICES

- A. Select and furnish items of type, size, style, grade, and class as required for secure installation of the Work. Items shall be galvanized for exterior locations, high humidity locations, and for use with treated wood. Unless shown or specified otherwise, comply with the following:
 - 1. Nails and Staples: FS FF-N-105.
 - 2. Wood Screws: FS FF-S-111.
 - 3. Bolts and Studs: FS FF-B-575.
 - 4. Nuts: FS FF-N-836.
 - 5. Washers: FS FF-W-92.
 - 6. Lag Bolts or Lag Screws: FS FF-B-561.
 - 7. Masonry Anchoring Devices: Expansion shields, masonry nails and drive screws: FS FF-S-325.
 - 8. Toggle Bolts: FS FF-B-588.
 - 9. Bar or Strap Anchors: ASTM A575 carbon steel bars.
 - 10. Wall Plugs: Corrugated type, galvanized steel, 24 USS gage min, not less than 2 inches wide x 2-1/2 inches deep.
 - 11. Metal Hangers and Framing Anchors: Size and type for intended use, galvanized finish, manufacturer's recommended fasteners.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Wood Framing: Install in accordance with applicable provisions of the AFPA "Manual for Wood Frame Construction", unless otherwise indicated.
- B. Plywood:
 - 1. Install in accordance with APA Design/Construction Guide, Residential & Commercial, unless otherwise indicated.
 - 2. Fasten in accordance with APA recommendations.

- 3. Underlayment: Use ring-shank or screw-shank type nails. Set nails 1/16 inch, but do not fill nail holes.
- 4. Subflooring: Glue-nail plywood to supports. Comply with APA recommendations.
- C. Particleboard Underlayment: Install in accordance with National Particleboard Association recommendations, unless otherwise indicated.
- D. Underlayment Finish: Patch damaged areas and fill depressions with patching compound. Machine sand patched, filled, and rough areas smooth and sand uneven joints flush.
- E. Nailers and Blocking: Attach to substrate as required to support applied loading.
- F. Wood Framing: Install true to lines within a tolerance of 1/8 inch in 10 feet.
- G. Treated Wood: Brush-coat field cut surfaces with same treatment material.

END OF SECTION

SECTION 224200

PLUMBING FIXTURES

PART 1 GENERAL

1.01 RELATED WORK SPECIFIED ELSEWHERE

- A. Sealants: Section 079200.
- B. Showers: Section 224223.
- C. Security Plumbing Fixtures: Section 224600.

1.02 SUBMITTALS

- A. Product Data: Catalog sheets, specifications, roughing dimensions, and installation instructions for each item specified except fasteners.
 - 1. Deliver cut out data for countertop fixtures to the Director's Representative.
- B. Samples:
 - 1. Water Closet Seat: One seat if other than product specified. Sample will be returned and if approved, may be installed on the Project.

1.03 QUALITY ASSURANCE

- A. Regulatory Requirements:
 - 1. Comply with applicable requirements of FS WW-P-541, and the following standards:
 - a. ANSI/ASME A112.6.1M Floor Affixed Supports for Off-the-Floor Plumbing Fixtures for Public Use.
 - b. ANSI/ASME A112.18.1M Plumbing Fixture Fittings.
 - c. ANSI/ASME A112.19.1M Enameled Cast Iron Plumbing Fixtures.
 - d. ANSI/ASME A112.19.2M Vitreous China Plumbing Fixtures.
 - e. ANSI/ASME A112.19.6 Hydraulic Requirements for Water Closets and Urinals.
 - 2. Materials and installations designated as handicapped accessible shall conform with the following:
 - a. ANSI A117.1 Buildings and Facilities Providing Accessibility and Usability for Physically Handicapped People.
 - b. The Americans with Disabilities Act Accessibility Guidelines for Buildings and Facilities (ADAAG), (Appendix A to 28 CFR Part 36).
 - c. The Uniform Federal Accessibility Standards (UFAS), (Appendix A to 41 CFR Part 101-19.6).

- 3. Each fixture carrier support shall be listed by model number in the fixture support manufacturer's Fixture Support Selection Guide as being recommended for support of the appropriate fixture.
- B. Plainly and permanently mark each fixture and fitting with the manufacturer's name or trade mark.
- C. Acid resistant surfaces shall be plainly and permanently marked with the manufacturer's label or symbol indicating acid resistance.

1.04 MAINTENANCE

- A. Special Tools: Deliver to the Director's Representative.
 - 1. Furnish the following tools labeled with names and locations where used.
 - a. Keys for stops (furnished with stops).
 - b. Tools for Vandal Resistant Fasteners: Two for each type and size.

PART 2 PRODUCTS

2.01 MATERIALS - GENERAL

- A. Vitreous China: First quality, smooth, uniform color and texture, with fused on glaze covering surfaces exposed to view.
 - 1. Surfaces shall be free of chips, craze, warpage, cracks and discolorations. Surfaces in contact with walls or floors shall be flat, with warpage not to exceed 1/16 inch per foot.
 - 2. Color: White.
- B. Porcelain Enameled Cast Iron: Smooth, uniform color and texture, having fused on glaze covering surfaces exposed to view.
 - 1. Material shall show no cracks, chips, craze or discolorations.
 - 2. Enameled surfaces shall be acid resistant unless otherwise specified.
 - 3. Color: White.
- C. Fixture Trim: Brass, bronze, or stainless steel construction; consisting of supply and waste fittings, faucets, traps, stop valves, escutcheons, sink strainers, nipples, supplies, and metal trim.
 - 1. Brass piping: Ips standard weight, with standard weight, 125 lb cast brass fittings.
 - 2. Brass tubing: 18 B & S gage.
 - 3. Stainless steel: 18-8 Type 302 or 304 unless otherwise specified.
- D. Fixture Trim Finishes:
 - 1. Brass or Bronze: Polished or satin finished chrome plating, 0.02 mil chromium over 0.2 mil nickel plating.
 - 2. Stainless Steel: Invisible welds and seams, and unless otherwise specified, polished to No. 4 commercial finish.

- E. Fixture Hold-down Bolts: Steel, plated for corrosion resistance.
 - 1. Cap nuts: Metal, polished and chrome plated.
- F. Combination Faucets: Faucets shall turn counter to each other for the on and off positions.
- G. Vandal Resistant Fasteners: Torx head with center pin.

2.02 BATHTUB - RESIDENTIAL/COMMERCIAL TYPE

- A. Bathtub: One piece cast iron with bottom pitched to drain, with overflow at the drain end, and tiling bead on built-in sides.
 - 1. Dimensions: 60 inches x 32 inches x 16 inches high.
 - 2. Recessed Tub: Built in on three sides; full double shell apron over front.
 - 3. Slip Resistant Treatment: Integral (not applied).
 - 4. Finish: Porcelain enamel on surfaces exposed to view.
 - 5. Tub Hanger: Lucke Co., Wilmette, Illinois.
- B. Supply Fittings: Concealed two valve combination with the following features:
 - 1. Integral stops, 1/2 inch union inlet connections.
 - 2. Replaceable discs and seats or renewable units.
 - 3. Indexed handles with adjustable locking type escutcheons.
 - 4. Over rim spout.
- C. Supply Fittings:
 - 1. Type C pressure balancing, piston operated mixing valve. See Section 221120.
 - 2. Over rim spout with diverter.
 - 3. Standard or vandal resistant shower head. See Section 224223.
- D. Drain Fitting: Lever operated combination drain and connected overflow having the following features:
 - 1. Trip lever stop in waste tee and perforated strainer or pop-up waste.
 - 2. Operating parts removable without disassembling piping.
 - 3. Drain tee outlet tapped 1-1/2 inch ips.
- E. Fixture trap: Cast brass, 1-1/2 inch threaded ends.
- F. Curtain Rod: Brass, minimum 18 B & S gage; 1 inch minimum diameter.
 - 1. Cast brass wall flanges with set screws.
 - 2. Brass rings (one dozen).
 - 3. Brass curtain hook and chain.
 - 4. Finish: Polished and chrome plated.

2.03 BATHTUB - INSTITUTIONAL TYPE

A. Eljer's 012-1620 Salem Institutional Enameled Cast Iron Bathtub with the following features:

- 1. Acid resisting enamel cast iron institutional tub with Perma-Mat slip resistant bottom, and enameled cast iron support base.
- 2. Drain Outlet: 1-1/2 inches (at built-in end).
- 3. Outside Dimensions (Approximate): 66 inch x 31 inch x 28-1/4 inches high (including base).
- B. Fitting: Chicago Faucet's No. 450-IS-950 Built-In Tub Filler with the following features:
 - 1. Integral stops.
 - 2. No. 950 three wing handles.
 - 3. 8 inch centers.
 - 4. Brass, chrome plated.
- C. Drain: No. 875 Lift and Twist Style Drain by Royal Brass Mfg. Co., 1420 East 43rd St., Cleveland, OH 44103; fabricate from 17 gage tubular brass, and provide with brass nuts.

2.04 TYPE A SERVICE SINK

- A. Sink: One piece cast iron with plain back and roll rim front and sides, drilled for rim guard bolting.
 - 1. Dimension: 24 inches long, 20 inches front to back, 12 inches deep, 10 inch high back with top and edges returned to wall.
 - 2. Finish:
 - a. Inside and Back: Porcelain enamel.
 - b. Underside and Non-Exposed Surfaces: Glaze undercoat or shopcoat.
- B. Trap Standard: Cast iron trap fitting with stainless steel bar or perforated strainer and fasteners, floor flange, 3 inch outlet with porcelain enamel lining inside and painted outside.
 - 1. Outlet to wall or floor as indicated.
 - 2. 1-1/2 inch cleanout with cast brass plug.
 - 3. Floor flange drilled for bolting.
 - 4. Wall outlet trap shall be height adjustable.
- C. Supply Fitting: Combination faucet, with 3/4 inch hose end rigid nozzle, bucket hook, wall brace and with the following features:
 - 1. 1/2 inch eccentric inlets on 8 inch centers and integral stops.
 - 2. Adjustable threaded flanges.
 - 3. Replaceable discs and seats or renewable units.
 - 4. Metal four arm indexed handles.
 - 5. Integral vacuum breaker.
 - 6. Ten inches from finished wall to center of spout outlet.
- D. Accessories:
 - 1. Fixture hanger.
 - 2. Stainless steel, continuous rim guard for three sides.

E. Fasteners: Appropriate type for mounting hanger plate and securing trap flange to building construction.

2.05 TYPE B SERVICE SINK

- A. Sink: Vitreous china, unitized construction, blowout action, wall hung clinical service sink with flushing rim, back outlet, top spud inlet, integral trap, back, and sides.
 - 1. Overall Dimensions (Approximate): 21-1/2 inches wide x 25 inches front to back.
 - 2. Bowl Inside Dimensions (Approximate): 18 x 18 x 6-1/4 inches deep.
- B. Supply Fitting: Combination faucet with plain end rigid nozzle, bucket hook, wall brace, with the following features:
 - 1. 1/2 inch eccentric inlets on 8 inch centers with integral stops.
 - 2. Integral wall flanges.
 - 3. Replaceable discs and seats or renewable units.
 - 4. Metal 6 inch indexed elbow handles.
 - 5. 12-7/8 inches from finished wall to center of spout outlet.
- C. Flushing Assembly: Exposed flush valve with oscillating handle, screwdriver operated stop, flush pipe and escutcheons.
- D. Accessories:
 - 1. Rim Guard: 11 inch long stainless steel spring type guard for front edge.
 - 2. Cast metal loose strainer.
 - 3. Bedpan washer with vacuum breaker, hose and nozzle with wall hook, wall mounted self-closing, double foot control mixing valve with integral stops, and loose key supply.
- E. Fasteners: Cap nuts and washers.

2.06 TYPE C SERVICE SINK

- A. Sink: Vitreous china, unitized construction, siphon jet action, floor supported clinical service sink with flushing rim, floor outlet, top spud inlet, and integral trap.
 - 1. Dimensions: 20 inches long, 27-1/2 inches front to back, 20 inches high.
- B. Supply Fitting: Combination fitting with plain end rigid nozzle, bucket hook, wall brace, with the following features:
 - 1. 1/2 inch eccentric inlets on 8 inch centers and integral stops.
 - 2. Integral wall flanges.
 - 3. Replaceable discs and seats or renewable units.
 - 4. Metal six inch indexed elbow handles.
 - 5. 15-7/8 inches from finished wall to center of spout outlet.
- C. Flushing Assembly: Exposed flush valve with oscillating handle, screwdriver operated stop, flush pipe, and escutcheons.
 - 1. 1-1/2 inch flush pipe assembly and vacuum breaker.

- D. Accessories:
 - 1. Rim Guard: 12 inch long stainless steel spring type guards for front and side edges.
 - 2. Cast metal loose strainer.
 - 3. Bedpan washer with vacuum breaker, hose and nozzle with wall hook, wall mounted self-closing, double foot control mixing valve with integral stops, and loose key supply.
- E. Fasteners: Cap nuts and washers or appropriate hold down bolts with locked on stainless steel cover plates.

2.07 MOP SERVICE SINK

- A. Receptor:
 - 1. Terrazzo: Precast of marble chips and portland cement, ground and polished, with no visible air holes or pits.
 - a. Exterior Basin Height: 12 inches.
 - 2. Molded Stone: Comprised of ground stone, reinforcing fibers, and resins molded into a homogeneous one piece unit. Receptor shall be finished smooth and be impervious to water.
 - a. Exterior Basin Height: 10 inches.
- B. Drain Fitting: Cast iron or cast brass body integral or attached to the receptor, ready for connection. Strainer grate shall be polished brass or stainless steel, removable for cleaning.
- C. Service Fitting: Combination faucet with 3/4 inch hose end spout, and with the following features.
 - 1. 1/2 inch eccentric inlets on 8 inch centers and integral stops.
 - 2. Integral wall flanges.
 - 3. Renewable units.
 - 4. Metal, four arm or lever, indexed handles.
 - 5. Integral vacuum breaker.
 - 6. 10 inches from finished wall to center of spout outlet.
 - 7. Five foot rubber hose with threaded connector to fit the hose bibb.
 - a. Hose wall hook.
- D. Rim Guard: Anodized aluminum, stainless steel, or pre-molded vinyl plastic, as recommended by the receptor manufacturer.

2.08 TYPE A LAVATORY

- A. Fixture: Vitreous china, unitized construction, straight front and sides, flat top graded to bowl, cast-in soap dish, anti-splash rim and front overflow; designed for concealed arm supports.
 - 1. Dimensions: 20 inches long, 18 inches front to back, 3-1/2 inches front and side apron.
 - 2. 4 inch high integral back.

- B. Supply Fitting: Individual deck mounted, self-closing faucets with the following features:
 - 1. Maximum Flow: 0.5 gpm at 80 psi.
 - a. Exception: Metering faucets shall have a maximum flow of 0.25 gallons per cycle.
 - 2. Over rim spout with aerator.
 - 3. Renewable operating units.
 - 4. Indexed operators.
 - 5. Vandal resistant assembly.
 - 6. 1/2 inch inlet lock nut and coupling nut.
- C. Waste Fitting: Pop-up type, actuated by a lift knob on the back ledge.
 - 1. Metal drain plug.
 - 2. Solid metal lift knob and cast escutcheon.
 - 3. 1-1/4 inch tailpiece.
 - 4. Vandal resistant assembly.
- D. Trap: Cast brass, non-adjustable P trap, 1-1/4 inch tubing inlet, 1-1/2 inch ips outlet.
 - 1. Bottom cleanout plug.
 - 2. Ips brass nipple with solid cast brass escutcheon.
- E. Supplies: 3/8 inch ips brass with key operated stops and solid cast brass escutcheons.
 - 1. Wall Supplies: Angle stops with keys.
 - 2. Floor Supplies: Straight stops with keys.
- F. Faucet Hole Cover: Cast brass, rounded top, and threaded shank, with backing plate, lock washer and nut.

2.09 TYPE A-1 LAVATORY

- A. Fixture: Vitreous china, unitized construction, straight front and sides, flat top graded to bowl, cast-in soap dish, anti-splash rim and front overflow; designed for concealed arm supports.
 - 1. Dimensions: 20 inches long, 18 inches front to back, 3-1/2 inch front and side apron.
 - 2. 4 inch high integral back.
- B. Supply Fitting: Individual deck mounted self-closing faucets with the following features:
 - 1. Maximum Flow: 0.5 gpm at 80 psi.
 - a. Exception: Metering faucets shall have a maximum flow of 0.25 gallons per cycle
 - 2. Over rim spout with aerator.
 - 3. Renewable operating units.
 - 4. Indexed operators.
 - 5. Vandal resistant assembly.
 - 6. 1/2 inch inlet, lock nut and coupling nut.

- C. Waste Fitting: 1-1/4 inch tailpiece with cast brass flat perforated strainer grate.
- D. Trap: Cast brass, non-adjustable P trap, 1-1/4 inch tubing inlet, 1-1/2 inch ips outlet.
 - 1. Bottom cleanout plug.
 - 2. Ips brass nipple with solid cast brass escutcheon.
- E. Supplies: 3/8 inch ips brass with key operated stops and solid cast brass escutcheons.
 - 1. Wall Supplies: Angle stops with keys.
 - 2. Floor Supplies: Straight stops with keys.
- F. Faucet Hole Cover: Cast brass, rounded top, and threaded shank, with backing plate, lock washer and nut.

2.10 TYPE B LAVATORY

- A. Fixture: Vitreous china, unitized construction, straight front and sides, flat top graded to bowl, cast-in soap dish, anti-splash rim and front overflow; designed for concealed arm supports.
 - 1. Dimensions: 20 inches long, 18 inches front to back, 3-1/2 inch front and side apron.
 - 2. 4 inch high integral back.
- B. Lavatory Fitting: Combination faucet and pop-up waste assembly with the following features:
 - 1. Maximum Flow: 2.5 gpm at 80 psi.
 - 2. Over rim spout with aerator.
 - 3. Renewable operating units.
 - 4. Metal 4 arm indexed handles set on 8 inch centers, with either integral splines, or ceramic spline inserts. Plastic spline inserts will not be accepted.
 - 5. Pop-up waste with non-removable drain plug.
 - 6. 1-1/4 inch tailpiece.
 - 7. Rigid connectors between spout and valve units; flexible connectors are not acceptable.
- C. Trap: Cast brass, non-adjustable P trap, 1-1/4 inch tubing inlet, 1-1/2 inch ips outlet.
 - 1. Bottom cleanout plug.
 - 2. Ips brass nipple with solid cast brass escutcheon.
- D. Supplies: 3/8 inch ips brass with key operated stops and solid cast brass escutcheons.
 - 1. Wall Supplies: Angle stops with keys.
 - 2. Floor Supplies: Straight stops with keys.

2.11 TYPE B-1 LAVATORY

- A. Fixture: Vitreous china, unitized construction, straight front and sides, flat top graded to bowl, cast-in soap dish, anti-splash rim and front overflow; designed for concealed arm supports.
 - 1. Dimensions: 20 inches long, 18 inches front to back, 3-1/2 inch front and side apron.
 - 2. 4 inch high integral back.
- B. Lavatory Fitting: Combination faucet with the following features:
 - 1. Maximum Flow: 2.5 gpm at 80 psi.
 - 2. Over rim spout with aerator.
 - 3. Renewable units.
 - 4. Metal four arm indexed handles set on 8 inch centers, with either integral splines, or ceramic spline inserts. Plastic spline inserts will not be accepted.
 - 5. Rigid connectors between spout and valve units; flexible connectors are not acceptable.
- C. Waste Fitting: 1-1/4 inch tailpiece with cast brass flat perforated strainer grate.
- D. Trap: Cast brass, non-adjustable P trap, 1-1/4 inch tubing inlet, 1-1/2 inch ips outlet.
 - 1. Bottom cleanout plug.
 - 2. Ips brass nipple with solid cast brass escutcheon.
- E. Supplies: 3/8 inch ips brass with key operated stops and solid cast brass escutcheons.
 - 1. Wall Supplies: Angle stops with keys.
 - 2. Floor Supplies: Straight stops with keys.

2.12 TYPE C LAVATORY

- A. Fixture: Vitreous china, unitized construction, straight front and sides, flat top graded to bowl, cast-in soap dish, anti-splash rim, and front overflow; designed for concealed arm supports.
 - 1. Dimensions: 20 inches long, 18 inches front to back, 3-1/2 inch front and side apron.
 - 2. 4 inch high integral back.
- B. Lavatory Fitting: Centerset unit with the following features:
 - 1. Maximum Flow: 2.5 gpm at 80 psi.
 - 2. Overrim spout with spray fitting.
 - 3. Renewable units.
 - 4. Operators:
 - a. Standard Fixtures: Metal four arm indexed handles set on four inch centers, with either integral splines, or ceramic spline inserts. Plastic spline inserts will not be accepted.
 - b. Handicapped Accessible Fixtures: Metal 4 inch indexed blade handles set on 4 inch centers, with either integral splines, or ceramic spline inserts. Plastic spline inserts will not be accepted.
 - 1) Maximum Activation Force: 5 lbf.

- C. Waste Fitting: 1-1/4 inch tailpiece with cast brass flat perforated strainer grate.
- D. Trap: Cast brass, non-adjustable P trap, 1-1/4 inch tubing inlet, 1-1/2 inch ips outlet.
 - 1. Bottom cleanout plug.
 - 2. Ips brass nipple with solid cast brass escutcheon.
- E. Supplies: 3/8 inch ips brass with key operated stops and solid cast brass escutcheons.
 - 1. Wall Supplies: Angle stops with keys.
 - 2. Floor Supplies: Straight stops with keys.

2.13 TYPE D LAVATORY - HANDICAPPED ACCESSIBLE

- A. Fixture: Vitreous china, flat top, extended back ledge punched for lavatory fitting, anti-splash rim, front overflow, and lower lugs for bearing plate bolting; designed for concealed arm supports.
 - 1. Dimensions: 20 inches long, 27 inches front to back, 3 inch front and side apron.
- B. Lavatory Fitting: Centerset unit with the following features:
 - 1. Maximum Flow: 2.5 gpm at 80 psi.
 - 2. Over rim spout with spray fitting.
 - 3. Renewable units.
 - 4. Metal 4 inch indexed blade handles set on 4 inch centers, with either integral splines, or ceramic spline inserts. Plastic spline inserts will not be accepted.
 - a. Maximum Activation Force: 5 lbf.
- C. Waste Fitting: 1-1/4 inch tailpiece with a cast brass flat perforated strainer grate.
- D. Trap: Cast brass, non-adjustable P trap, 1-1/4 inch tubing inlet, 1-1/2 inch ips outlet.
 - 1. Bottom cleanout plug.
- E. Trap Nipple: Ips brass with a solid cast brass escutcheon.
- F. Supplies: 3/8 inch ips brass, with offset and straight key operated stops with keys.

2.14 TYPE E LAVATORY - INSTITUTIONAL TYPE

- A. Fixture: Vitreous china, with integral combination over rim spout and bubbler, soap dish, slow drain outlet with completely concealed water supply, trap and drain connections.
- B. Supply Fitting: Indexed, vandal resistant push button operator, push rod and self-closing bronze body water supply valve, complete with wall sleeve, guides, lock nuts and washers.

- 1. Maximum Flow: 0.5 gpm at 80 psi.
 - a. Exception: Metering faucets shall have a maximum flow of 0.25 gallons per cycle.
- C. Fixture Support Bolt: Steel, length as required, with bolt head and escutcheon matching the supply fitting push button in both style and finish.
- D. Trap: Cast brass P trap with threaded connections; rough finish, unplated.
- E. Supplies: 3/8 inch ips brass with wheel handle stops; unplated.

2.15 COUNTERTOP LAVATORY

- A. Fixture: Vitreous china, unitized construction, flat top graded to bowl, cast-in soap dish, front overflow, and self-rimming.
 - 1. Size (approximate):
 - a. Oval: 20 inches x 17 inches.
 - b. Rectangular: 21 inches x 19 inches.
 - c. Round: 19 inches.
- B. Lavatory Fitting: Combination faucet and pop-up waste assembly with the following features:
 - 1. Maximum Flow: 2.5 gpm at 80 psi.
 - 2. Over rim spout with aerator.
 - 3. Renewable units.
 - 4. Metal four arm indexed handles set on 8 inch centers, with either integral splines, or ceramic spline inserts. Plastic spline inserts will not be accepted.
 - 5. Pop-up waste with non-removable drain plug.
 - 6. 1-1/4 inch tailpiece.
 - 7. Rigid connectors between spout and valve units; flexible connectors are not acceptable.
- C. Trap: Cast brass, non-adjustable P trap, 1-1/4 inch tubing inlet, 1-1/2 inch ips outlet.
 - 1. Bottom cleanout plug.
 - 2. Ips brass nipple with solid cast brass escutcheon.
- D. Supplies: 3/8 inch ips brass with key operated stops with solid cast brass escutcheon.
 - 1. Wall Supplies: Angle stops with keys.
 - 2. Floor Supplies: Straight stops with keys.

2.16 FIXTURE SUPPORTS AND SUPPORTING DEVICES FOR LAVATORIES, SINKS, AND EQUIPMENT

A. General: Ferrous metal members of carriers and supporting devices with the exception of chrome plated or porcelain enameled cast iron, shall be factory painted for corrosion resistance.

- B. Floor Mounted Carrier Supports: Steel pipe uprights, 1-1/4 inch ips minimum diameter, or 1 inch x 3 inch steel tubing uprights, with cast iron or welded steel feet, drilled for bolting to the floor construction. Each carrier shall be provided with the appropriate fixture supporting devices specified, or recommended by the carrier manufacturer's Fixture Support Selection Guide.
 - 1. Concealed Arms: Steel, with fixture locking lugs, leveling screws and a means of attaching, positioning and securing the fixture to the carrier.
 - a. Trim: Polished, chrome plated metal escutcheon to space fixture two inches from the wall.
 - 2. Exposed Arms: Cast iron or steel, porcelain enamel finished, with locking lugs, and leveling screws. Include studs, nuts and washers for fixture to be supported.
 - a. Trim: Polished and chrome plated metal cap nuts and washers.
 - b. Vandal Resistant Trim: Polished, chrome plated metal cap nuts and washers retained with vandal resistant set screws or other approved means of securing trim.
- C. Wall Mounted Carrier Supports: Plate type system, with steel plates on both sides of the wall and through-bolted. On walls having an integral finish, a single plate wall carrier designed for such installations may be used. Each carrier shall be provided with the appropriate fixture supporting devices specified, or recommended by the Carrier manufacturer's Fixture Support Selection Guide.
 - 1. Concealed Arms: Steel, with fixture locking lugs, leveling screws and a means of attaching, positioning and securing the fixture to the carrier.
 - a. Trim: Polished, Chrome plated metal escutcheon to space fixture two inches from the wall.
 - 2. Exposed Arms: Cast iron or steel, porcelain enamel finished, with locking lugs, and leveling screws. Include studs, nuts, and washers for fixture to be supported.
 - a. Trim: Polished and chrome plated metal cap nuts and washers.
 - b. Vandal Resistant Trim: Polished, chrome plated metal cap nuts and washers retained with vandal resistant set screws.
- D. Bearing Plate: Steel, minimum 1/8 inch thick, and provided with bearing studs, nuts and appurtenances required by the fixture to be supported.
 1 Eixture Henger: Eurpiched by the fixture menufacturer.
 - 1. Fixture Hanger: Furnished by the fixture manufacturer.
- E. Wood Stud Filler Piece: 2 inch x 8 inch wood planking cut to fit between wood studding. Fasten with four 3/8 inch x 2-1/2 inch lag bolts with washers.

2.17 COUNTERTOP SINK

A. Material: 18 gage, seamlessly drawn, Type 302 (18-8) stainless steel.

- 1. Features: Self-rimming, extended back ledge, with faucet and spray hose punchings spaced on 4 inch centers. Cove corners 1-3/4 inch minimum radius; fully coat underside with sound deadening and condensation barrier.
- 2. Finish: Satin finish exposed surfaces.
- 3. Size_____ (wide) x _____ (front to back) x ______ (deep) inches.

- B. Supply Fitting: Top mounted deck type mixing faucet, cast brass base and spout; indexed lever handles.
 - 1. Maximum Flow: 2.5 gpm at 80 psi.
 - 2. 8 inch swing spout.
 - 3. 1/2 inch inlets on 8 inch centers.
 - 4. Renewable units.
 - 5. Retractable thumb operated hose spray and cast brass escutcheon.
 - 6. Supplies: 1/2 inch ips brass, with key operated angle stops, keys and cast brass escutcheons.
- C. Drain Assembly:
 - 1. Stainless steel removable strainer basket with neoprene stopper and 1-1/2 inch tubing tailpiece.
 - 2. Stainless steel removable strainer basket with neoprene stopper and 1-1/2 inch continuous tubing drain.
 - 3. 1-1/2 inch cast brass non-adjustable P trap, with bottom cleanout plug.
 - 4. 1-1/2 inch ips brass trap nipple with cast brass escutcheon.
- D. Fastening Devices: Stainless steel spring clip assemblies or clamping devices for securing sink to the countertop.

2.18 VITREOUS CHINA WATER CLOSETS

- A. Fixtures: Vitreous china, full size, elongated bowl with integral flushing rim and jet; trapway at the rear and the outlet centered between a pair of hold down bolt holes.
 - 1. Trapway size: Pass minimum ball of 2 inches.
 - 2. Trap seal: 2 inches minimum.
 - 3. Water surface area: 12 inches x 10 inches minimum.
 - 4. Provisions for flushing:
 - a. 1-1/2 inch spud for flush valve operation.
 - b. 2 inch top connection for flush tank operation.
 - 5. Floor Supported Fixture Heights:
 - a. Standard Fixture: 14 to 15 inches from finished floor to rim.
 - b. Handicapped Accessible Fixture: 17 to 19 inches from finished floor to top of seat (15-13/16 to 17-13/16 inches from finished floor to top of rim based on 1-3/16 inch seat height).
- B. Operation: Fixture shall flush satisfactorily without extraordinary rise of water level in the bowl.
 - 1. Maximum gallons of water per flush: 1.6 gallons.
- C. Flush Tank: Vitreous china secured to and supported by the closet bowl and separate lift off cover with provisions for locking.
 - 1. Float valve with nylon seat and vacuum breaker.
 - 2. Flushing valve.
 - 3. Metal trip lever.
 - 4. Supply: 1/2 inch ips brass pipe with a key operated stop and solid cast brass escutcheon.

- D. Water Closet Floor Flange:
 - 1. For Use with DWV Copper Tubing: Cast brass, 48 ounce minimum weight.
 - 2. For Use with Cast Iron Soil Pipe: Cast iron, 90 ounce minimum weight.
- E. Closet Seat: Extra heavy duty, commercial design; Model 1655-C by Bemis Mfg. Co., Model No. 527-CH by Beneke Corp., or Model No. 9500C by Church Seat Co.
 - 1. Material and Construction: Solid plastic, open front, less cover, molded in one piece with no joints, seams or crevices.
 - 2. The manufacturer's name shall be molded into the seat.
 - 3. Metal check hinges shall be integrally molded into the seat. Hinges, inserts, bearings and posts shall be of brass or stainless steel. Cover upper post and metal exposed above fixture rim with plastic to match seat.
 - 4. Surface shall be hard, polished, impervious to moisture, and not affected by the action of uric acid.
 - 5. Color: White.
- F. Water Closet Types:
 - 1. Type A Water Closet: Floor supported, floor outlet, top spud inlet, siphon jet action, activated by an exposed flush valve.
 - 2. Type C Water Closet: Floor supported, floor outlet, top spud inlet integral seat, siphon jet action, operated by means of an exposed flush valve.
 - 3. Type E Water Closet: Wall hung, back outlet, back spud inlet, siphon jet action, activated by means of a concealed flush valve.
 - 4. Type E-1 Water Closet: Wall hung, back outlet, top spud inlet, siphon jet action, activated by means of an exposed flush valve.
 - 5. Type E-2 Water Closet: Wall hung, back outlet, back spud inlet, integral seat, siphon jet action, operated by means of a concealed flush valve.
 - 6. Type F Water Closet: Floor supported, close coupled fixture-tank combination, floor outlet, siphon jet action, flush tank operated.

2.19 WATER CLOSET CARRIER

- A. Closet Carrier (For Wall Hung Water Closets): Commercial type cast iron combination chair carrier and drainage fitting with the following:
 - 1. Face Plate: Cast iron; height adjustable.
 - 2. Feet: Cast iron, adjustable, with provisions for bolting to the floor slab.
 - 3. Studs, Nuts and Washers: Steel, treated for corrosion resistance.
 - 4. Fixture Washers: Plastic.
 - 5. Adjustable Closet Connection: Cast iron, steel, or ABS plastic.
 - 6. Fitting Ends: Compatible with the drainage piping system.
 - 7. Gasket: Impregnated felt or neoprene closet gasket; lead or neoprene face plate gasket.
 - 8. Stud thread protectors.
 - 9. Factory painted.
 - 10. Trim: Polished chrome plated metal cap nuts and washers.

- 11. Vandal Resistant Trim: Polished chrome plated metal cap nuts and washers retained with vandal resistant set screws.
- B. Closet Carrier (Residential For Wall Hung Water Closets): Cast iron or formed steel combination fixture carrier with waste fitting, or fixture carrier with fitting adapter, and arranged for mounting to wood studding. Include the following:
 - 1. Closet Connection: Cast iron or steel with "O" ring seal; brass for copper drainage systems; adjustable.
 - 2. Closet Gasket: Impregnated felt or neoprene.
 - 3. Waste Fitting: Same material as drainage piping.
 - 4. Studs, Nuts and Washers: Steel, treated for corrosion resistance.
 - 5. Fixture Washers: Plastic.
 - 6. Stud thread protectors.
 - 7. Factory painted.
 - 8. Trim: Polished chrome plated metal cap nuts and washers.
 - 9. Vandal Resistant Trim: Polished chrome plated metal cap nuts and washers retained with set vandal resistant screws.
- C. Ferrous metal members of carriers and supporting devices with the exception of chrome plated or porcelain enameled cast iron, shall be factory painted for corrosion resistance.

2.20 VITREOUS CHINA URINALS

- A. Floor Supported Fixture: Vitreous china, stall type.
 - 1. Dimensions (approx.): 38 inches high, 18 inches wide.
- B. Wall Supported Fixture: Vitreous china, with elongated rim, integral trap and extended side shields.
 - 1. Dimensions (approx.): 28 inches high, 18 inches wide, 12 inches front to back.
 - 2. Method of Support: Wall hangers and lugs for bearing plate bolting.
- C. Operation: Fixture shall flush satisfactorily with a maximum of one gallon of water and be accomplished without extraordinary rise in water level in the bowl.
- D. Fixture Types:
 - 1. Type A Urinal: Floor supported, siphon jet action, with a bottom outlet and a 1-1/4 inch top spud inlet for an exposed flush valve connection.
 - 2. Type B Urinal: Wall supported, blowout action, back outlet and a 1-1/4 inch back spud inlet for a concealed flush valve connection.
 - 3. Type B-1 Urinal: Wall supported, blowout action, back outlet and a 1-1/4 inch top spud inlet for an exposed flush valve connection.
 - 4. Type C Urinal: Wall supported, washout action, back outlet, and a 3/4 inch back spud inlet for a concealed flush valve connection.
 - 5. Type C-1 Urinal: Wall supported, washout action, back outlet, and a 3/4 inch top spud inlet for an exposed flush valve connection.

2.21 URINAL CARRIER

- A. Floor Mounted Carrier Support (For Wall Hung Urinals): 1-1/4 inch ips steel pipe upright supports with block feet arranged with provisions for bolting to the floor slab, and with the following:
 - 1. Hanger Plate: Steel, height adjustable with provisions for mounting and positioning the fixture hanger.
 - 2. Bearing Plate: Steel, adjustable, with bearing studs, nuts and washers.
 - 3. Studs, Nuts and Washers: Steel, treated for corrosion resistance.
 - 4. Fixture Washers: Plastic.
 - 5. Stud thread protectors.
 - 6. Factory Painted.
 - 7. Trim: Polished chrome plated metal cap nuts and washers.
 - 8. Vandal Resistant Trim: Polished chrome plated metal cap nuts and washers retained with vandal resistant set screws.
- B. Ferrous metal members of carriers and supporting devices with the exception of chrome plated or porcelain enameled cast iron, shall be factory painted for corrosion resistance.

2.22 FLUSH VALVES

- A. Control Mechanism: Diaphragm or piston operated; do not intermix types.
- B. Maximum Flow Per Flush:
 - 1. Water Closet: 1.6 gallons.
 - 2. Urinal: 1.0 gallons.
- C. Flush Valve Assemblies: Flush valve, stop-check, tailpiece, vacuum breaker, and fixture spud coupling, including wall and spud flanges.
- D. Valve Materials:
 - 1. Valve Body: Brass or bronze.
 - 2. Valve Internal Parts: Corrosion resistant materials that will not be affected by the action of or contact with water.
- E. Operating Features:
 - 1. Valve operators shall employ the non hold-open feature.
 - 2. Piston type valves shall be field adjustable.
- F. Valve Operators:
 - 1. Oscillating Handle: 4 inch brass spring loaded self return handle.
 - 2. Oscillating Disc: 3 inch diameter, cast brass, spring loaded and self returning.
 - a. Concealed Installations: Furnish wall escutcheon with operators.
 - 3. Push Button Operator: 1 inch cast brass spring loaded push button, wall escutcheon, sleeve with guides and brass push rod; vandal resistant assembly.
 - 4. Maximum Activation Force (Handicapped Accessible Operators): 5 lbf.
- G. Assembly Components:

- 1. Flush Pipe: Seamless brass tubing with integral vacuum breaker, No. 18 B & S gage.
- 2. Fitting: Cast brass.
- 3. Stop-Check: Brass or bronze body, non rising stem stop valve with a built-in automatic check.
 - a. Exposed Stop-Check: Screwdriver operated with protective cap.
 - b. Concealed Stop-Check: Wheel handle operated.
- 4. Spud Coupling and Wall Flanges: Cast brass.

2.23 SINGLE LAUNDRY TRAY

- A. Fiat's Model FL-1 with the following features:
 - 1. Molded stone, 23 inches x 21-1/2 inches x 13-7/16 inches deep (outside).
 - 2. Four white baked enamel finished self-leveling steel legs with floor anchors.
 - 3. No. A-1 deck mounted faucet with swing spout.
- B. Miscellaneous Trim:
 - 1. Supplies: 1/2 inch ips brass, with key operated angle stops, keys and cast brass escutcheon.
 - 2. Drain:
 - a. Strainer with stopper and 1-1/2 inch tubing tailpiece.
 - b. 1-1/2 inch cast brass non-adjustable P trap, with bottom cleanout plug.
 - c. 1-1/2 inch ips brass trap nipple with cast brass escutcheon.

PART 3 EXECUTION

3.01 FIXTURE SUPPORT AND SUPPORTING DEVICE INSTALLATION

- A. Install heavy duty floor mounted carrier supports with specified fixture supporting devices for wall type plumbing fixtures.
 - 1. Secure to building construction with lag bolts and metal expansion shields, or other appropriate means as required by the construction encountered.
- B. Wall Mounted Carrier Supports: Install the following fixtures on wall mounted carrier supports:
- C. Attach the following fixtures to the building wall construction:
- D. Fixture Supporting Devices: Attach fixtures by means of the following fixture supporting devices attached to carrier supports.

FIXTURE	SUPPORTING DEVICE
Clinical Service Sink	Fixture hangers & bearing
Lavatory, VC, with back	Concealed arms.

FIXTURE	SUPPORTING DEVICE
Lavatory, VC, slab type	Concealed arms.
Lavatory, ECI, with back	Exposed arms.
Lavatory, Type D	Concealed arms.
Lavatory, Type E	Through bolt.
Surgeon's Lavatory	Concealed arms & valve support plate.
Water Closet	Bolt to comb. carrier and drainage fitting.
Urinal	Fixture hanger and bearing plate.
Drinking Fountain	Fixture hanger.
Water Cooler (wall mounted)	Fixture hanger.
Water Cooler (Recessed)	Mounting frame.

F. Secure exposed external components in place with vandal resistant fasteners or devices which cannot be removed without the use of special tools.

3.02 FIXTURE INSTALLATION

- A. Install the Work of this section in accordance with the manufacturer's printed installation instructions.
- B. Install fixtures level and at proper height, tighten connections, and install holddown bolts, cap nuts and cover plates, where required.
- C. Secure exposed external components in place with vandal resistant fasteners or devices which cannot be removed without the use of special tools.
- D. Bathtubs:
 - 1. Residential Type:
 - a. Caulk joint between fixture wall and floor with Type 1D sealant; strike a neat joint.
 - b. Install curtain rod 6'-6" above floor.
 - 2. Institutional Type:
 - a. Caulk joint between fixture base and floor with Type 6 sealant; strike a neat joint.
- E. Type A Service Sinks:
 - 1. Set floor flange in bedding of sealant and clean away excess. Adjust trap standard to proper height.
 - 2. Install supply fitting 6 inches above fixture back.
 - 3. Caulk joint between the fixture back and wall with Type 1D sealant; strike a neat joint.
- F. Type B Service Sinks:
 - 1. Mount fixture to carrier leaving 1/16 inch clearance between fixture and finished wall.
 - 2. Mount supply fitting 12 inches above fixture back.
 - 3. Mount flush valve 24 inches above fixture back.

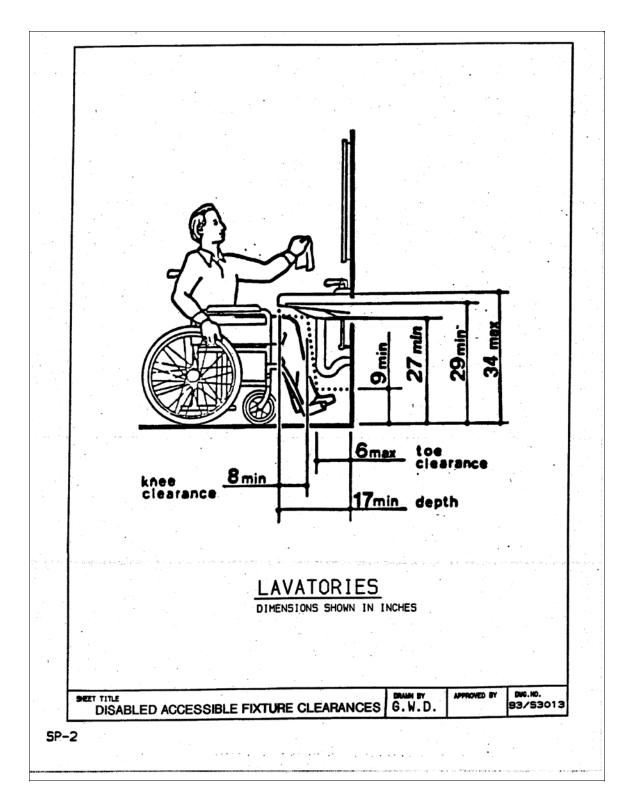
- 4. Caulk the joint between fixture back and wall with Type 1D sealant; strike a neat joint.
- G. Type C Service Sinks:
 - 1. Mount fixture in bedding of setting compound; clean away excess.
 - 2. Mount supply fitting 12 inches above fixture rim.
 - 3. Mount flush valve 24 inches above fixture rim.
 - 4. Caulk base perimeter with Type 1D sealant; strike a neat joint.
- H. Mop Service Sinks:
 - 1. Set receptor leveled in bed of mortar laid on clean roughened surface. Remove excess mortar and strike a neat joint.
 - 2. Make connection from drainage pipe to receptor drain.
 - 3. Caulk joints between receptor and wall or floor with Type 1D sealant; strike a neat joint.
 - 4. Install service fittings.
- I. Lavatories:
 - 1. Mount lavatories 31 inches from finished floor to rim unless otherwise specified.
 - 2. Mount handicapped accessible fixtures 34 inches from finished floor to rim. Refer to Standard Drawing No. 93/S3013 bound herein, for special clearances required for handicapped accessible fixtures.
 - 3. Caulk joint between fixture back and wall with Type 1D sealant; strike a neat joint.
- J. Countertop Fixtures:
 - 1. Install fixture with securing devices supplied.
 - 2. Set fixture on bedding of sealant, tighten securing devices and remove excess sealant.
- K. Water Closets:
 - 1. Wall Hung Fixtures:
 - a. Standard Fixtures: Install wall hung fixtures 15 inches from finished floor to rim unless otherwise specified.
 - b. Handicapped Accessible Fixtures: Install fixtures 18 inches from finished floor to top of seat (16-13/16 inches floor to rim based on 1-3/16 inches seat height).
 - c. Set bearing nuts to position fixture 1/16 inch clear of finished wall.
 - d. Caulk the joint between fixture back and wall with Type 1D sealant; strike a neat joint.
 - 2. Floor Supported Fixtures:
 - a. Set fixture in bed of setting compound; remove excess.
 - b. Caulk base perimeter with Type 1D sealant; strike a neat joint.
 - 3. After connections are tightened, install cap nuts and washers.
 - 4. Install water closet seats when directed.
- L. Urinals:
 - 1. Wall Hung Fixtures:

- a. Standard Fixtures: Install wall hung fixtures 24 inches from finished floor to rim.
- b. Handicapped Accessible Fixtures: Install wall hung handicapped accessible fixtures 14 inches (minimum) to 17 inches (maximum) from finished floor to rim.
- c. Set bearing nuts on floor mounted carrier supports to position wall hung fixtures 1/16 inch clear of finished wall.
- d. Caulk the joint between fixture back and wall with Type 1D sealant; strike a neat joint.
- 2. Floor Supported Fixtures:
 - a. Install lip of urinal below floor level for proper floor drainage.
 - b. Set fixture in bed of setting compound; remove excess.
 - c. Caulk perimeter of fixture with Type 1D sealant; strike a neat joint.
- 3. After connections are tightened, install cap nuts and washers.
- M. Flush Valves:
 - 1. Standard Fixtures: Install flush valves on fixture centerline, and at following heights above fixture rim or back to centerline of water inlet to flush valve.
 - a. Water Closet: 11-1/2 inches.
 - b. Urinal: 11-1/2 inches.
 - c. Service Sink: 24 inches.
 - 2. Handicapped Accessible Fixtures: Install flush valves on fixture centerline, and at following height above finished floor to centerline of flush valve operator. Distance between centerline of flush valve operator and centerline of water inlet is 1-1/2 inches.
 - a. Water Closet: Approximately 31-1/2 inches, and mounted on wide side of stall.
 - 1) Coordinate mounting height with Construction Work Contractor to avoid interference with grab bar, and to facilitate flush valve servicing.
 - b. Urinal: Maximum 44 inches.
 - 3. Set oscillating handles parallel to wall on exposed installation.
 - 4. Slip joints in flush pipe connections allowed only at fixture spud and vacuum breaker ends; others shall be screwed connections.
 - 5. Score tubing ends before assembling to assure tight slip joint connections. No score marks shall be visible after assembly.
 - 6. In utility corridors, solder screwed flush pipe connections.

3.03 CLEANING, FLUSHING AND ADJUSTMENT

- A. Clean fixture and trim. Remove grease and dirt; polish surfaces but leave stickers and warning labels intact.
- B. Flush supply piping and traps; clean strainers.
- C. Adjust stops for proper delivery.
- D. Adjust metering faucets for proper timing.

END OF SECTION



SECTION 224713

DRINKING FOUNTAINS

PART 1 GENERAL

1.01 RELATED WORK SPECIFIED ELSEWHERE

A. Fixture Carrier Supports: Section 224200.

1.02 SUBMITTALS

- A. Product Data: Manufacturer's catalog sheets, specifications and installation instructions for each type drinking fountain.
- B. Contract Closeout Submittals:
 - 1. Operation and Maintenance Data: Deliver 2 copies, covering the installed products, to the Director's Representative.

1.03 QUALITY ASSURANCE

- A. Regulatory Requirements:
 - 1. Comply with applicable requirements of FS WW-P-541 unless otherwise specified.
 - 2. Comply with the Federal Safe Water Drinking Act of 1986, and the Federal Lead Contamination Control Act of 1988.
 - 3. Materials and installations designated as handicapped accessible shall conform with the following:
 - a. ANSI A117.1 Buildings and Facilities Providing Accessibility and Usability for Physically Handicapped People.
 - b. The Americans with Disabilities Act Accessibility Guidelines for Buildings and Facilities (ADAAG), (Appendix A to 28 CFR Part 36).
 - c. The Uniform Federal Accessibility Standards (UFAS), (Appendix A to 41 CFR Part 101-19.6).

1.04 MAINTENANCE

- A. Special Tools: Deliver the following to the Director's Representative:
 - 1. Tools for Vandal Resistant Fasteners: One for each type and size.

PART 2 PRODUCTS

2.01 DRINKING FOUNTAINS

A. Type: Wall mounted, factory assembled, complete with trap, shut off valve and wall hanger.

- B. Body: Polished or satin finished stainless steel, 18 gauge or heavier; with rounded corners, anti-splash back, and receptor contoured to eliminate splashing.
- C. Features: Self closing supply valve, automatic stream regulator, two stream mound building projector and removable brass strainer plate.
 1. All exposed brass trim polished and chrome plated.
- D. Frost Proof Assembly: The supply valve body and trap assembly for the drinking fountain shall be housed in a steel plumbing cabinet and arranged for mounting on the opposite (heated) side of the building wall. All piping extending from the plumbing cabinet to the drinking fountain shall automatically drain to the heated side of the wall.
 - 1. Attach projector and valve handle with vandal resistant fasteners.
 - 2. Use vandal resistant fasteners where exposed on the drinking fountain and plumbing cabinet.
- E. Configuration: Approximately 12 inches square with a full skirt of sufficient depth to conceal the principal operating parts and with a security cover fastened to the underside of the fountain body.
- F. Fixture Hanger: Steel, designed to mount fixture to fixture support, as furnished by drinking fountain manufacturer. See Section 224200.

2.02 HANDICAPPED ACCESSIBLE DRINKING FOUNTAINS

- A. Type: Wall mounted, factory assembled. Complete with trap, shut off valve and wall hanger.
- B. Body: Polished or satin finished stainless steel, 18 gauge or heavier; with rounded corners and receptor contoured to eliminate splashing.
- C. Features: Self closing supply valve, automatic stream regulator, two stream mound building projector and removable brass strainer plate.
 1. All exposed brass trim polished and chrome plated.
- D. Configuration: Approximately 12 inches wide and 20 inches front to back with full skirt of sufficient depth to conceal the principal operating parts and with a security cover fastened to the underside of the fountain body.
- E. Operators: Front push bar or push bar on each side.1. Maximum Activation Force: 5 ft lbs.
- F. Projector Clearance: Projector to back wall distance must be 12 inches or greater.
- G. Fixture Hanger: Steel, designed to mount fixture to fixture support, as furnished by drinking fountain manufacturer. See Section 224200.

2.03 FASTENERS

A. Vandal Resistant Fasteners: Torx head with center pin.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Install the Work of this section in accordance with the manufacturer's printed installation instructions.
- B. Standard Fixture Mounting Height (unless otherwise indicated on the Drawings): Distance finished floor to rim.
 - 1. Adult Usage: 40 inches.
 - 2. Child Usage: 29 inches.
- C. Handicapped Accessible Fixture Mounting Height: Maximum distance finished floor to spout outlet.
 - 1. Handicapped Accessible Usage: 36 inches.
 - 2. Refer to Standard Drawing No. 93/S3012, bound herein, for special clearance requirements required for handicapped fixtures.

3.02 CLEANING, FLUSHING AND ADJUSTMENT

- A. Clean and polish fixture and trim.
- B. Flush piping; clean strainers and trap.
- C. Adjust for proper delivery.

END OF SECTION

