

DATE: 8/18/2009

INVITATION TO BID
THIS IS NOT AN ORDER

BID NO.: 50-00095280
SOLICITATION #B2009000183

JEFFERSON PARISH
PURCHASING DEPARTMENT
P.O. BOX 9
GRETNA, LA. 70054-0009
504-364-2678

Page: 1

VENDOR: BUYER: S. Vasquez

BIDS WILL BE RECEIVED IN THE PURCHASING DEPARTMENT, SUITE 4400, JEFFERSON PARISH GENERAL GOVERNMENT BUILDING, 200 DERBIGNY STREET, GRETNA, LA 70053 UNTIL 2:00 PM, 9/22/2009 AND PUBLICLY OPENED UPON COMPLETION OF ADMINISTRATIVE TASKS.

LATE BIDS WILL NOT BE ACCEPTED

NOTE: ONLY BIDS WRITTEN IN INK OR TYPEWRITTEN, AND PROPERLY SIGNED BY A MEMBER OF THE FIRM OR AUTHORIZED REPRESENTATIVE, WILL BE ACCEPTED. PENCIL AND/OR PHOTOSTATIC FIGURES OR SIGNATURES DISQUALIFY BID.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS
THE FOLLOWING INSTRUCTIONS APPLY TO ALL BIDS

All bids submitted are subject to these instructions and general conditions and any special conditions and specifications contained herein, all of which are made part of this bid proposal reference. THIS BID PACKAGE MUST BE RETURNED IN ITS ENTIRETY.

Questions on this bid are to be faxed to (504) 364-2693 no later than FIVE (5) working days prior to bid opening. Bid numbers should be mentioned in all requests.

The purpose and intention of this invitation to bid is to afford all suppliers an equal opportunity to bid on all construction, maintenance, repair, operating supplies and/or equipment listed in this bid proposal. JEFFERSON PARISH will accept one bid only from each vendor. Items bid must meet or exceed specifications.

JEFFERSON PARISH will accept one price for each item unless otherwise indicated. Two or more prices for one item will result in bid rejection.

If the bid exceeds \$20,000.00 and the bidder is an agency, corporation, partnership, or other legal entity, the president, vice-president, secretary/treasurer, or an authorized agent, shall sign the proposal, and satisfactory evidence of the authority of the person signing for the agency, corporation, partnership, or other legal entity shall be attached to the proposal.

AWARD OF CONTRACT: JEFFERSON PARISH reserves the right to award contracts or place orders on a lump sum or individual item basis, or such combination, as shall in its judgment be in the best interest of JEFFERSON PARISH. Every contract or order shall be awarded to the LOWEST RESPONSIBLE BIDDER, taking into consideration the CONFORMITY WITH THE SPECIFICATIONS and the DELIVERY AND/OR COMPLETION DATE.

Preference is hereby given to materials, supplies, and provisions produced, manufactured or grown in Louisiana, quality being equal to articles offered by competitors outside the state. "LSA-R.S.38:2251-2261"

USE OF BRAND NAMES AND STOCK NUMBERS: Where brand names and stock numbers are specified, it is for the purpose of establishing certain minimum standards of quality. Bids may be submitted for products of equal quality, provided brand names and stock numbers are specified. Complete product data may be required prior to award.

CANCELLATION OF CONTRACT: JEFFERSON PARISH reserves the right to cancel all or any part if not shipped promptly. No charges will be allowed for parking or cartage unless specified in quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel any contract at anytime and for any reason by issuing a THIRTY (30) day written notice to the contractor.

For good cause and as consideration for executing a contract with Jefferson Parish, vendor conveys, sells, assigns and transfers to Jefferson Parish or its assigns all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of Louisiana, relating to the particular good or services purchased or acquired by Jefferson Parish.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

JEFFERSON PARISH requires a firm price. Quoted price will remain firm until _____

PRICES: Jefferson Parish is exempt from paying sales tax under LSA-RS 47:301 (8)(c). All prices for purchases by Jefferson Parish of supplies and materials shall be quoted in the unit measure specified and unless otherwise specified, shall be exclusive of state and Parish taxes. If a contractor is to act as Purchasing Agent for tax-exempt purposes, the Parish shall specifically state so within this bid specification. All quotations shall be based on F.O.B. Agency warehouse or job site, anywhere within the Parish as designated by the Purchasing Department.

Quantities listed are for bidding purposes only. Actual requirements may be more or less than quantities listed.

Bidders are not to exclude from participation in, deny the benefits of, or subject to discrimination under any program or activity, any person in the United States on the grounds of race, color, national origin, or sex; nor discriminate on the basis of age under the Age Discrimination Act of 1975, or with respect to an otherwise qualified handicapped individual as provided in Section 504 of the Rehabilitation Act of 1973, or on the basis of religion, except that any exemption from such prohibition against discrimination on the basis of religion as provided in the Civil Rights Act of 1964, or Title VI and VII of the Act of April 11, 1968, shall also apply. This assurance includes compliance with the administrative requirements of the Revenue Sharing final handicapped discrimination provisions contained in Section 51.55 (c), (d), (e), and (k)(5) of the Regulations. New construction or renovation projects must comply with Section 504 of the 1973 Rehabilitation Act, as amended, in accordance with the American National Standard Institute's specifications (ANSI A117.1-1961).

RESPONSE TO INVITATION: If your company is unable to bid on this request, please state your reason on bid form, and return to this office before bid opening date. Failure to do so may result in the removal of your company from Jefferson Parish's vendors list.

The general specifications for construction projects and the purchase of materials, services and/or supplies are those adopted by the JEFFERSON PARISH Council by Resolution No. 105529 or 105530 dated 5/17/06. The general conditions adopted by this resolution shall be considered as much a part of this document as if they were written wholly herein. A copy may be obtained from the Office of the Parish Clerk, Suite 6700, Jefferson Parish General Government Building, 200 Derbigny Street, Gretna, LA 70053.

POSTING OF BIDS: Non-Advertised bids will be posted on bulletin board in Suite 4400, Jefferson Parish General Government Building, Gretna, LA, for a period of Five (5) working days after opening date.

Advertised bids will be tabulated and a copy forwarded to each responsive bidder.

ADDITIONAL REQUIREMENTS FOR THIS BID

PLEASE MATCH THE NUMBERS PRINTED IN THIS BOX WITH THE CORRESPONDING INSTRUCTIONS BELOW.

1,2,3,4,5,6,7,8,9,10,11,16

1. All bidders are invited to attend the pre-bid conference. Failure to attend the pre-bid conference shall not relieve the bidder of responsibility for information discussed at the conference. This conference is held to allow questions to be answered and inspect the site with owner's representative, etc. Failure to attend the pre-bid conference and inspection does not relieve the successful bidder from the necessity of furnishing materials or performing any work that may be required to complete the work in accordance with the specification (with no additional cost to the owner).
2. Contractor must hold current applicable JEFFERSON PARISH licenses with the Department of Inspection and Code Enforcement. Contractor shall obtain any and all permits required by the JEFFERSON PARISH Department of Inspection and Code Enforcement. The contractor shall be responsible for the payment of these permits. All permits must be obtained prior to the start of the project.
3. A Louisiana state contractor's license may be required in accordance with LSA-R.S. 37:2150 et seq.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

4. It is the bidder's responsibility to visit the job site and evaluate the job before submitting a bid.
5. Job site must be clean and free of all litter and debris daily and upon completion of the contract. Passageways must be kept clean and free of material, equipment, and debris at all times. Flammable material must be removed from the job site daily because storage will not be permitted on the premises. Precautions must be exercised at all times to safeguard the welfare of JEFFERSON PARISH and the general public.
6. All awards in excess of \$5,000.00 for the construction, alteration, or repair of any public works will b reduced to a formal contract which shall be recorded at the contractor's expense. A price list of recordation costs may be obtained from the Clerk of Court and Ex-officio Recorder of Mortgages for the Parish of Jefferson. All awards in excess of \$25,000.00 reduced to formal contract will require a performance bond.
7. A performance bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. Performance bond shall be supplied at the signing of the contract.
8. Please indicate if you have insurance: YES _____ NO _____
Successful bidder will be required to furnish proof of insurance to this office.
Successful bidder will be required to furnish Federal I.D. Number.
9. Minimum insurance requirements for this bid are as indicated on the attached sheet.
10. Each bid must be accompanied by a cashier's check, certified check, money order, or surety bid bond in the amount of 5% of the bid.
11. Affidavit required to be submitted with bids on all solicitations for construction, alteration or demolition of public building or project. (LSA-R.S. 38:2224)
12. This is a requirements contract to be provided on an as needed basis.
13. All prices must be held firm unless an escalation provision is requested in this bid. Jefferson Parish will allow one escalation during the term of the contract, which may not exceed the U.S. Bureau of Labor Statistics National Index for all Urban Consumers, unadjusted 12 month figure. The most recently published figure issued at the time an adjustment is requested will be used. A request must be made in writing by the vendor, and the escalation will only be applied to purchases made after the request is made.

Are you requesting an escalation provision?

YES _____ NO _____

MAXIMUM ESCALATION PERCENTAGE REQUESTED _____%

INITIAL BID PRICES WILL REMAIN FIRM THROUGH THE DATE OF _____.

For the purposes of comparison of bids when an escalation provision is requested, Jefferson Parish will apply the maximum escalation percentage quoted by the bidder to the period to which it is applied in the bid. The initial price and the escalation will be used to calculate the total bid price. It will be assumed, for comparison of prices only, that an equal amount of material or labor is purchased each month throughout the entire contract.

14. In the event that the successful bidder cannot furnish a specific item or material and labor in the required time, JEFFERSON PARISH may purchase on an emergency basis from the next lowest bidder, or available source, until such time as the successful bidder has notified the PARISH in writing that his stock or labor capability has been replenished. The difference in price will be charged against the successful bidder of this contract, and evidence of purchases and price will be provided.
15. Vendor will be required to submit to the chief buyer of the JEFFERSON PARISH Purchasing Department a quarterly usage report by item of all items listed on this proposal.
16. Freight charges should be included in total cost when quoting. If not quoted FOB DELIVERED, freight must be quoted as a separate item. Bid may be disqualified if not quoted FOB DELIVERED or if freight charges are not indicated on bid form.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

DELIVERY: FOB JEFFERSON PARISH

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES

INDICATE STARTING TIME (IN DAYS) FOR CONSTRUCTION WORK

INDICATE COMPLETION TIME (IN DAYS) FOR CONSTRUCTION WORK

LOUISIANA CONTRACTOR’S LICENSE NO.: (if applicable)

*** ALL BIDDERS MUST COMPLETE SECTION BELOW ***	
FIRM NAME:	
SIGNATURE: (Must be signed here)	TITLE:
PRINT OR TYPE NAME:	
ADDRESS:	
CITY, STATE:	ZIP:
TELEPHONE: ()	FAX: ()
EMAIL ADDRESS:	

TOTAL PRICE OF ALL BID ITEMS: \$

THIS BID MUST BE SIGNED BY AN AUTHORIZED REPRESENTATIVE OF THE COMPANY/FIRM FOR BID TO BE VALID. BID PACKAGE, INCLUDING INSTRUCTIONS AND SPECIFICATIONS, MUST BE RETURNED IN ITS ENTIRETY FOR BID TO BE VALID. SIGNING INDICATES YOU HAVE READ AND COMPLY WITH THE INSTRUCTIONS AND CONDITIONS.

NOTE: All bids should be returned with the bid number and bid opening date indicated on the outside of the envelope submitted to the Purchasing Department.

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00095280

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
1	1	JOB	LABOR, MATERIALS AND EQUIPMENT NECESSARY TO PROVIDE INSTALLATION OF SHOWERS AT THE WESTBANK MAINTENANCE FACILITY, 5701 BELLE TERRE ROAD, MARRERO, LA FOR JEFF. PARISH DEPT. OF PUBLIC WORKS, STREETS ***** A PRE-BID CONFERENCE will be held at 9:00 A.M., WEDNESDAY, SEPTEMBER 9, 2009 at the STREETS DEPT. ADMINISTRATIVE BLDG CONFERENCE ROOM 1901 AMES BLVD., MARRERO, LA 70072 ***** A LOUISIANA STATE CONTRACTOR'S LICENSE IS REQUIRED IN THE CATEGORY OF: BUILDING CONSTRUCTION PERFORMANCE BOND: 100% BID BOND: 5% 0010 SHOWER INSTALLATIONS SHOWER INSTALLATIONS AT WESTBANK MAINTENANCE FACILITY AS PER THE ATTACHED SPECIFICATIONS AND DRAWINGS.		

CORPORATE RESOLUTION

EXCERPT FROM MINUTES OF MEETING OF THE BOARD OF DIRECTORS OF

INCORPORATED.

AT THE MEETING OF DIRECTORS OF _____
INCORPORATED, DULY NOTICED AND HELD ON _____,
A QUORUM BEING THERE PRESENT, ON MOTION DULY MADE AND SECONDED. IT
WAS:

RESOLVED. THAT _____, BE AND IS HEREBY
APPOINTED, CONSTITUTED AND DESIGNATED AS AGENT AND ATTORNEY-IN-
FACT OF THE CORPORATION WITH FULL POWER AND AUTHORITY TO ACT ON
BEHALF OF THIS CORPORATION IN ALL NEGOTIATIONS, BIDDING, CONCERNS
AND TRANSACTIONS WITH THE PARISH OF JEFFERSON OR ANY OF ITS AGENCIES,
DEPARTMENTS, EMPLOYEES OR AGENTS, INCLUDING BUT NOT LIMITED TO, THE
EXECUTION OF ALL BIDS, PAPERS, DOCUMENTS, AFFIDAVITS, BONDS, SURETIES,
CONTRACTS AND ACTS AND TO RECEIVE AND RECEIPT THEREFOR ALL
PURCHASE ORDERS AND NOTICES ISSUED PURSUANT TO THE PROVISIONS OF
ANY SUCH BID OR CONTRACT, THIS CORPORATION HEREBY RATIFYING,
APPROVING, CONFIRMING, AND ACCEPTING EACH AND EVERY SUCH ACT
PERFORMED BY SAID AGENT AND ATTORNEY-IN-FACT.

I HEREBY CERTIFY THE FOREGOING TO BE
A TRUE AND CORRECT COPY OF AN
EXCERPT OF THE MINUTES OF THE
ABOVE DATED MEETING OF THE BOARD
OF DIRECTORS OF SAID CORPORATION,
AND THE SAME HAS NOT BEEN
REVOKED OR RESCINDED.

SECRETARY-TREASURER

DATE

AFFIDAVIT

STATE OF LOUISIANA
PARISH OF JEFFERSON

BEFORE ME, THE UNDERSIGNED AUTHORITY, PERSONALLY CAME AND APPEARED _____, WHO AFTER BEING BY ME DULY SWORN, DEPOSED AND SAID THAT HE IS THE FULLY AUTHORIZED _____ OF _____ (HEREIN AFTER REFERRED TO AS BIDDER) THE PARTY WHO SUBMITTED A BID FOR _____, BID NO. _____ AND SAID AFFIANT FURTHER SAID:

- 1) That bidder employed no person, corporation, firm, association or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the bidder whose services in connection with the construction of the public building or project or in securing the public contract were in the regular course of their duties for bidder; and
- 2) That no part of the contract price received by bidder was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the bidder whose services in connection with the construction of the public building or project were in the regular course of their duties for bidder.
- 3) Said bid is genuine and the bidder has not colluded, conspired or agreed directly or indirectly with any other bidder to offer a sham or collusive bid.
- 4) Said bidder has not in any manner, directly or indirectly, agreed with any other person to fix the bid price of affiant or any other bidder, or to fix any overhead, profit or cost element of said bid price, or that of any other bidder, or to induce any other person to refrain from bidding.
- 5) Said bidder is not intended to secure an unfair advantage of benefit from the Parish of Jefferson or in favor of any person interested in the proposed contract.

SWORN TO AND SUBSCRIBED
BEFORE ME THIS _____
DAY OF _____, 20 _____

NOTARY PUBLIC

INSURANCE REQUIREMENTS

All insurance requirements shall conform to Jefferson Parish Resolution No. 105529 or No. 105530 dated 05/17/2006.

The contractor shall not commence work under this contract until he has obtained all insurance and complied with the requirements of the specifications and Resolution No. 105529 or No. 105530.

WORKER'S COMPENSATION INSURANCE

As required by Louisiana State Statute, exception; Employer's Liability, Section B shall be \$1,000,000 per occurrence when Work is to be over water and involves maritime exposures to cover all employees not covered under the State Worker's Compensation Act, otherwise this limit shall be no less than \$500,000 per occurrence.

COMMERCIAL GENERAL LIABILITY

Shall provide limits not less than the following: \$1,000,000.00 Combined Single Limit per Occurrence for bodily injury and property damage.

COMPREHENSIVE AUTOMOBILE LIABILITY

Bodily injury liability \$1,000,000.00 each person; \$1,000,000.00 each occurrence. Property Damage Liability \$1,000,000.00 each occurrence.

DEDUCTIBLES

No insurance required shall include a deductible not greater than \$10,000.00. The cost of the deductible be borne by the contractor.

UMBRELLA LIABILITY COVERAGE

An umbrella policy or excess may be used to meet minimum requirements.

CONSTRUCTION AND RENOVATION PROJECTS REQUIRE THE FOLLOWING:**OWNER'S PROTECTIVE LIABILITY**

To be for the same limits of liability for bodily injury and property damage liability established for commercial general liability.

BUILDER'S RISK INSURANCE

The contractor shall maintain Builder's Risk Insurance at his own expense to insure both the owner (Parish of Jefferson) and contractor as their interest may appear.

**Specifications
For
Shower Installations at Westbank Maintenance Facility,
5701 Belle Terre Road, Marrero, LA 70072**

August 2009

Division 15 – Mechanical
Section 15050
Mechanical General
(This section applies to Sections 15400)

1. GENERAL**1.1 SCOPE:**

- A. The Bidding Requirements Section and Division I shall apply to all work herein.
- B. This Section 15050 contains general provisions that are applicable to the work of all Sections within Division 15.
- C. Refer to the General, Supplementary and Additional Conditions of the contract and to the General Requirements for other governing provisions.
- D. The work of this Division consists of furnishing all plant, materials, labor, equipment and appliances and performing all operations necessary to provide complete and operating plumbing, drainage, air conditioning, heating, ventilation and wet pipe sprinkler systems for the areas indicated and connections to site utilities.

1.2 LAWS, PERMITS AND CODES:

- A. All applicable laws, ordinances, codes and rules of Jefferson Parish, State of Louisiana, applicable Federal agencies in general, shall be abided by and the following in particular:

Department of Regulatory Inspection, Jefferson Parish
International Building Code, Plumbing Code, Mechanical Code,
Fire Code and Fuel Gas Code – 2006
Sewerage, Drainage and Water Departments, Jefferson Parish
Entergy Jefferson
Jefferson Parish Fire Department
Louisiana State Fire Marshal
National Fire Protection Association
Louisiana Department of Health
National Electrical Code

- B. Include all permits and inspection fees in connection with this work and pay any costs of fees involved. Where standards are not specified, work shall conform to existing good practices of the ASHRAE, IEEE, and applicable Federal and State codes and standards.

1.3 EXAMINATION OF PREMISES:

- A. Prior to submission of bid, this Contractor shall visit the site of the proposed work, inspect the facilities and familiarize himself with the restrictions and difficulties attending the execution of the Contract. If any existing utilities are not indicated in the Contract Documents, the Contractor shall notify Jefferson Parish prior to submission of bid or shall take exception in his bid; otherwise, he will be held responsible for connection to utilities to provide a complete job.

1.4 MEASUREMENTS AND COORDINATION:

- A. Because of the small scale of the drawings, it is not possible to indicate all offsets, fittings and accessories necessary. The Contractor shall carefully investigate structural conditions, wall, furring and chase locations and room finishes and shall make actual measurements on the job so that all ductwork shall take preference over piping except where piping must be maintained at a specified slope. The Contractor shall verify all measurements and be responsible for the correctness of the same before ordering any materials or doing any work. No extra charge or compensation will be allowed on account of any differences between the actual measurements and those indicated on the drawings. Any difference discovered by the Contractor shall be submitted to Jefferson Parish for interpretation.
- B. Coordinate the Work of Division 15 with that of other Divisions to avoid conflicts between piping, equipment, etc., and to provide a symmetrical pattern of all exposed work, i.e. – ceiling diffusers, return air grilles in ceiling, exhaust fans, lights, sprinkler heads, etc. Contractor shall refer to architectural reflected ceiling plan for exact diffuser, grille and light location.

1.5 QUALITY OF MATERIALS, EQUIPMENT AND WORKMANSHIP:

- A. All equipment installed and materials used in making the installation shall be new, of standard manufacture, and in accordance with specifications. All work shall be done in a workmanlike manner in accordance with established standards of practice.

1.6 SUBSTITUTIONS AND APPROVALS:

- A. When items of equipment and/or materials are specified herein by the manufacturer, model or catalog number and no mention is made of “approved equal”, then only such specific items may be used in the base bid. If “or equal” is used in the description, the manufacturer, model or catalog number is for the purpose of establishing a standard for the quality, general design and type of equipment required.
- B. The foregoing Paragraph supersedes conflicting provisions of Additional General Conditions with respect to the work of Division only.

1.7 SHOP DRAWINGS:

- A. Before proceeding with the work, complete dimensional shop drawings covering equipment, foundations, insulation, pipe work, equipment layout, and other such drawing as may be required during the process of construction, shall be submitted in four copies to Jefferson Parish for review and comments.
- B. Submit shop drawings for the following:
 - Thermal Insulation – All water and waste piping including P-traps.
 - Plumbing Fixtures and Trim.
 - Plumbing Piping (Soil, Waste, Vent, Water within the Building) – Materials and routing.
 - Plumbing Specialties – Floor Drains, Funnel Drain, Cleanouts, Valves, etc.
- C. All shop drawings, equipment and accessory submittals shall be submitted with a stamp or cover letter indicating that the items submitted have been checked and that the items comply fully with the contract documents and that all equipment will fit in to the space available with adequate room for routine maintenance and service.
- D. The shop drawings will be reviewed to check for general conformance with the design concept of the project and compliance with the information given in the contract documents. The shop drawings will be returned to the Contractor with review comments, as applicable, initiated and dated. The Contractor is responsible for: confirming and correlating all quantities and dimensions; selection of fabrication process and techniques of construction; coordination of his work with that of other trades; and, performance of his work in a safe and satisfactory manner.

1.8 EXCAVATING, TRENCHING & BACKFILLING:

- A. The requirements of the General Conditions shall govern excavating, trenching and backfilling included as part of the work of this Section.
- B. Trenches for all underground piping shall be excavated to the required depth. The bottom of trenches shall be graded to secure the required fall and tamped hard. Holes for bells shall be excavated so that pipe will rest on solid ground for its entire length.
- C. Before backfilling, forms shall be removed and the excavating cleaned of trash and debris. Backfill shall consist of borrow of sand or other Jefferson Parish approved material, free of trash, lumber, sawdust or other debris.
- D. Backfill shall be brought to suitable elevation above ground or provide for anticipated settlement of shrinkage.

1.9 CUTTING AND PATCHING:

- A. This Contractor shall set all sleeves and cut all miscellaneous holes necessary for the convenient and proper installation of the work. Patching will be done generally under other general headings of these Specifications. However, should this Contractor cut any unnecessary holes or place any of his work improperly; he shall properly patch or relocate all such work at his own expense.

1.10 OPENINGS AND ACCESS PANELS:

- A. Openings other than pipe sleeves through building walls, floors; ceilings or roof for the passage of pipes, ducts or louvers and for access panels shall be made by the General Contractor. This Contractor shall inform the General Contractor of the required number, size and location of such openings, so they can be made during the process of construction. Access panels shall be furnished as part of Division 15 work and shall have 16 gauge steel frame and 14 gauge steel door with prime coat finish and shall be equivalent to the Karp models listed hereinafter. Panels shall be installed by the General Contractor. Panels shall be provided for any device or piece of equipment requiring periodic maintenance and/or inspection.

Gyp. Bd. Walls & Clgs. (flanged frame)	DSC-214M, all steel
Plaster Walls & Clgs.	DSC-214PL, all steel
Exposed T-Bar Lay-in Clgs.	KSTE/CAD, all steel
Ceramic Tile Walls	DSC-214M, all stainless steel

Access panels for valves and cleanouts shall be 12 x 12. Panels shall have continuous concealed piano hinge of same material as frame and door and screwdriver operated latch.

- B. In floors, cleanout covers shall be J.R. Smith, Wade, Zurn or equal, flush mounted, with scoriated brass cover.

1.11 PROTECTION OF WORK AND PROPERTY

- A. Contractor shall continuously maintain adequate protection of all his work for damage. Pipe openings shall be covered, capped or plugged during installation. Fixtures and equipment shall be tightly covered and protected against dirt, moisture and chemical and mechanical injury.
- B. Refer to General Conditions for general provisions concerning protection.

1.12 CLEANING:

- A. All equipment, piping, etc. shall be thoroughly cleaned in an approved manner before Contractor leaves job.

1.13 PIPE MARKING:

- A. All piping, including refrigerant piping, shall be marked throughout, indicating service and direction of flow at intervals not exceeding 8'-0". Markers shall be visible at all access panels. Markers shall be W.H. Brady pressure sensitive type or equivalent.

1.14 OPERATION PRIOR TO ACCEPTANCE:

- A. The Owner shall have the right to operate any and all equipment installed under this Contract as soon as it is in proper operating condition whether or not it has been accepted as complete. This shall not be construed as to permit operation of apparatus that may be damaged by such operation.

1.15 WARRANTY:

- A. This Contractor, by accepting the plans and specifications and signing the Contract, shall guarantee the following:
 - a. All equipment, accessories and material furnished by him for a period of one (1) year from final acceptance, against all defects in workmanship and materials. Warranty for equipment placed in operation prior to final acceptance shall begin on the day when equipment is placed in operation. If any equipment fails, does not operate satisfactorily, or shows undue wear, the Contractor will be notified and shall be required to remedy the defect immediately at no expense to the Owner.
 - b. All equipment will produce the results specified or shown and will be free from all undue noise and will not transmit any vibration to the building structure or to any piping.
 - c. All piping will be drip tight and properly installed.

2. PRODUCTS

2.1 PIPING

- A. This Contractor shall furnish and install, as indicated on the drawings or as necessary to complete a working system, complete piping systems as or as hereinafter described. Piping systems shall be valved as required to completely control and isolate all equipment and apparatus and all appurtenances. Piping

shall be sloped as required to provide proper drainage as required. Where piping changes from ferrous to non-ferrous materials, provide dielectric insulated unions for corrosion protection.

- B. Installation of all piping shall be arranged so as not to block access to any equipment, doors or other access openings or restrict removal of equipment.
- C. Domestic cold and hot water circulating piping shall be hard drawn Type "L" copper per ASTM B 88 above grade and Type "L" annealed (soft drawn) copper tubing below grade. No fittings shall be allowed below grade. Fittings shall be wrought copper sweat type with joints brazed with non-lead bearing silver filler material. No acid or corrosive flux shall be used in making the joints.
- D. Soil, waste, and vent piping within the building, above grade, in sizes 4" and smaller, shall be inside and outside coated, no-hub cast iron pipe and fittings complying with CISPI Standard 301, ASTM A 888 and Federal Specification WW-P-401 F. No-hub couplings shall comply with CISPI Standard 310 and ASTM C 1277, and shall be composed of a stainless steel shield, clamp assembly and a Neoprene elastomeric sealing sleeve conforming to the requirements of ASTM C 564.
- E. Soil, waste, and vent and storm drain piping below grade below the building in all sizes shall be inside and outside coated, hub and spigot service weight cast iron conforming to ASTM A 74, CISPI HS 74, ANSI A 112.5.1 and Federal Specification WW-P-401 F. Pipe shall be joined with a molded one piece Neoprene elastomeric gasket conforming to requirements of ASTM C 564.

2.2 SLEEVES, HANGERS AND SUPPORTS:

- A. All piping shall be installed so that it may contract and expand without damaging pipes or building structure. Piping shall be so anchored and guided to offset the forces of expansion and contraction.
- B. All piping systems shall have anchorage, sway braces, guides and supports satisfactory to Jefferson Parish and shall be neatly fabricated. The pipe suspension shall be such as to prevent excessive stress and variation in supporting force. Supports shall not constrain piping to such an extent as to cause excessive transfer of load from supports to piping or from support to support when expansion or contraction occurs. Anchors and guides shall be capable of withstanding the forces imposed by contraction and expansion. Where required, constant support hangers of approved design shall be installed and sway braces to prevent unwanted movement. Only ferrous hangers shall be used in contact with

ferrous piping. Only non-ferrous hangers or hangers with non-ferrous surface will be allowed in contact with copper piping.

- C. Maximum spacing between supports or hangers for steel or copper pipe shall be as shown on the schedule on the plans. Cast iron pipe shall be supported or hung at each joint and every 5 feet maximum. All soil, waste, vent and storm drain pipe below grade under building and structural slabs shall be hung from building slab with ¼" Type 304 stainless steel rods.
- D. Sleeves shall be provided throughout all floors, walls and ceilings traversed by pipes. Sleeves shall be 18 gauge galvanized iron flush with construction, except as indicated in details on drawings, and sized to accommodate the pipe or pipes and insulation as required. Pipe passing through structural beams, masonry, or walls shall be provided with wrought or cast iron pipe sleeves. For all other piping, sleeves shall be caulked and rendered watertight. Piping passing through fire rated partitions and walls and smoke partitions shall be through sleeves caulked with firestop material conforming with ASTM E 84 or UL 723 test standards.

2.3 ESCUTCHEONS:

- A. All pipe passing through finished walls, ceilings, floors or partitions shall be provided with chromium-plated pressed brass escutcheons.

2.4 UNIONS:

- A. In copper tube lines use wrought copper solder type, ground joint unions up to 2" in size. In steel and wrought iron pipe, use brass to iron seat malleable iron ground joint. 150 pound unions and union fittings galvanized or black (depending on pipe) up to and including 3" in size. Above 3", use 3 part brass to iron seat malleable iron ground joint flange unions for 150 pounds. Unions shall be used at all items of equipment, unions, elbows, and tees shall be used wherever practical in lieu of a fitting and union. All unions must be accessible.
- B. Provide insulating dielectric unions at all connections of ferrous to non-ferrous piping. Unions shall Watts series 3000, Precision Plumbing Products "Clearflow", or equal, in accordance with ANSI B16.39.

2.5 VALVES:

- A. All valves shall be mounted with the stem straight up where possible. Screwed end valves shall be used in piping made of screwed joints; flanged valves shall be

used in piping made of flanged or welded joints. Solder joint valves shall be used in piping made up of solder joints.

- B. All valves shall be working pressure for the medium flow at least 40% above the operating pressure of the line.
- C. Valves shall be 125 psi working pressure, Nibco, Watts or equal, as described following:

Domestic Water:

Check Valves 2" and smaller – Nibco T-413 or S-413

Ball Valves 2" and smaller – Watts B-6000 or B-6001 (Full Port)

Ball Valves (Drainable) 2" and smaller – Watts B-6300 or B-6301 (Full Port)

Ball Valves shall be furnished with lever handle

- D. All valves shall be mounted with the stem straight up where possible. All valves shall be accessible. Rising stem valves shall be used except where space does not permit. Provide stem extensions where required on ball valves for insulation application.

3. EXECUTION

3.1 ELECTRICAL CHARACTERISTICS AND WORK:

- A. The electrical system shall be 3-phase, 4 wire, 60 Hertz, 120-208 volts. Refer to Division 16.

3.2 TESTING, BALANCING, STARTING AND ADJUSTING:

- A. Test all piping to 125 psig or 1-1/2 times the system working pressure, whichever is greater. Pressure shall be held for twenty-four (24) hours with not more than 2 psig loss. Test sewer systems to head pressure of 15' water. Test shall be made after water has been standing in system for 15 minutes minimum.

3.3 RECORD DRAWINGS:

- A. Jefferson Parish shall furnish the Contractor two sets of reproducible Mechanical plans for use in preparing "Record" Drawings. The Contractor shall maintain a continuous record to all changes or deviations, above grade and below grade, made during the progress of construction. He shall prepare "Record Drawings" when work is complete and shall furnish the Owner with one (1) set of

reproducible prints, suitably marked, indicating and identifying all changes and/or deviations from the contract drawings.

3.4 EXISTING WORK:

- A. Tie-in to existing utilities as indicated on the drawings. Refer to Division 16 for Electrical work.
- B. Allowances shall be made in contractor's bid for the cost of any overtime work that may be required in the execution of this work.
- C. Cut, cap/plug and remove or abandon existing lines as indicated on the drawings as required.
- D. Any existing work that is to remain, which is damaged or removed in the course of this work (i.e. existing utility mains, etc.) shall be replaced by this contractor as part of this work at no additional cost to the Owner.

Division 15 – Mechanical Section 15400 Plumbing (Section 15050 applies to this section)

1. GENERAL

1.1 SCOPE:

- A. The Bidding Requirements Section and Division 1 shall apply to all work herein.
- B. Refer to the General Conditions of this specification for the manner of conducting the work.
- C. Furnish all labor, tools, materials, equipment, incidentals and service necessary for the installation and satisfactory operation of the drainage system as shown on the drawings and as follows:
 - a. Soil, waste and vent lines within and below the building.
 - b. Hot and cold water systems in the building
 - c. Cleanouts
 - d. Floor drains, funnel drains, etc.
 - e. Flashings, etc.
 - f. Water heating equipment
 - g. Insulation
 - h. Plumbing Fixtures

2. PRODUCTS

2.1 DRAINS:

- A. Floor drains (FD) shall be Jay R. Smith 2010-A-P050, or equal, cast iron body with double drainage flange and weepholes, bottom outlet, inside caulked with clamping device, 6" round polished brass strainer and ½" threaded trap primer connection.
- B. Funnel drains (FUN DR) shall be the same as floor drains, with 6" round nickel bronze adjustable strainer head and funnel; J.R. Smith 3510.
- C. Hub drains shall be trapped cast iron soil pip hub, rim set 2" above floor, with cast iron strainer set in hub.
- D. Equal products by J.R. Smith, Josam, Wade or Zurn may be used.

2.2 SHOCK ABSORBERS:

- A. Shock absorbers shall be J.R. Smith "Hydrotrol" or equal, properly sized for its service. Shock absorbers shall be located at each new fixture. Furnish in hot and cold water lines and at water heater.

2.3 ELECTRIC WATER HEATER:

- A. Water heaters shall be of type, size and capacity shown in the schedule on the drawings, Heater shall be covered by a 3-year factory commercial warranty against tank leaks. Furnish and install ASME rated temperature and pressure relief valve on each heater. Refer to schedule and details on drawings for specific requirements.
- B. Electric storage water heaters shall be commercial electric water heaters of sizes and capacities and electrical characteristics as shown in the schedule on the drawings. Heaters shall be pre-wired and factory tested, UL listed and tank shall bear appropriate ASME stamp. Heaters shall meet or exceed thermal efficiency and standby loss requirements of ASHRAE Standard 90.2b, current edition. Tank shall be lined with double coating of high temperature glass formula and furnished with rigidly supported anode rod, factory and shall be approved, listed and constructed in accordance with NSF Standard No. 5. Tank shall be equipped with a boiler hand-hole cleanout. Tank shall be insulated with rigid polyurethane foam insulation. Heaters shall have a 3-year tank warranty. Heaters shall have immersion "screw-in" elements, immersion thermostats, magnetic contactors, 120 volt control circuit transformer, manual reset high temperature control and thermostats. Heaters shall be complete with base plate and 6" legs. Provide ASME temperature and pressure relief valve and install. Relief valve shall have minimum capacity equal to output of the heater. Heaters shall be of capacity and

model as shown in the schedule on the drawings; Ruud/Rheem Commercial electric tank-type.

- C. Mount water heater in 20 gauge galvanized sheetmetal safety pan with drain, as shown in the detail on the drawings.

2.4 PLUMBING FIXTURES:

- A. All exposed metal trim, including supplies, stops, continuous waste, traps faucets, drains, plugs, bolts, nuts and washers, combination fittings, etc., shall be all brass, lead free per ANSI/NSF 61, with bright chromium plated finish. Stops shall have solid brass bodies with brass stem and EPDM washer, lead free per ANSI/NSF 61. Bright chrome plated wrought brass escutcheons shall be installed on all water and waste lines at walls and floors. Fixtures and trim shall be American Standard, Kohler, Crane or equal and shall be equal to the following:
- B. Lavatory: Existing lavatories and trim shall be re-used. Furnish and install new 1/2" bright chrome plated cold and hot water flexible risers with wheel handle stops; chrome plated formed brass P-trap with cleanout; Cover stops, risers, traps and tailpieces with Trubro Lav Guard, or equal, insulating covers.
- C. Urinal: Existing urinal shall be re-used. Furnish and install new flush valve; Sloan Regal 186-1-ADA.
- D. Shower: Leonard model M-10-C-H-01, or equal, thermostatic mixing valve with solid bi-metal thermostat, adjustable high limit stop set at 110 degrees F, integral stops, lever handle, volume control/shutoff, chrome plated wall flange, all brass, bronze and stainless steel construction; H-01 2.5 GPM shower head with ball joint and volume control. Shower enclosure, receptor and drain are part of other divisions. Refer to Architectural drawings and specifications for shower head and valve locations and elevations.

2.5 INSULATION:

- A. All piping shall be clean of rust, scale and dirt and shall be tested for leaks. Pipe shall be dry and inspected prior to application. All insulation materials, coatings, adhesives, jackets and accessories shall have a Flame Spread Rating not exceeding 25 and a Smoke Developed Rating of not exceeding 50, per ASTM E84, NFPA 255 and UL 723.
- B. All domestic cold water piping above grade shall be insulated with 1/2" Knauf 1000 degree pipe insulation with double self-sealing lap all-service jacket. All laps and 4" joint sealing strips shall be double self-sealing lap. Fittings shall be insulated with 1/2" flexible fiberglass and covered with white, UV resistant formed PVC jacket (Proto 25/50, or equivalent).

- C. All domestic hot piping shall be insulated to same base specifications as domestic cold water.
- D. All domestic hot and cold water piping in areas subject to freezing temperatures shall be covered as described in the paragraphs above, except that thickness shall be 1-1/2" in lieu of 1/2".
- E. Horizontal runs of soil, waste and drain lines above grade shall be covered with 1-1/2" foil faced fiberglass duct wrap with 2" overlap, joints stapled and sealed with foil faced vapor barrier tape.
- F. All valves installed shall be insulated with the same material as the piping in which installed and shall have the insulation extended on the valve body to the stem. Finish with UV resistant formed PVC jacket.

3. EXECUTION

3.1 SOIL, WASTE AND VENT LINES:

- A. The complete system of soil, waste and vent piping hereinafter specified and implied shall be furnished and installed. Materials shall be as specified in Section 15050 of these specifications.
- B. All piping below grade shall have a minimum cover of 18". All piping shall pass below grade beams; no piping shall penetrate beams without approval of Jefferson Parish.
- C. Horizontal lines 3" and smaller shall be sloped at least 1/4" per foot; larger lines shall slope not less than 1/8" per foot.
- D. Where fixtures connect to vertical stacks, the connection shall be made with single, double tapped, or combination sanitary tees as required.
- E. Junctions in horizontal lines shall be made with "Y"s and appropriate bends.
- F. Changes in direction from vertical to horizontal shall be made with short or long sweeps (with support foot where necessary), except where a stack drops directly in a horizontal line or a cleanout is to be taken off at the bottom of the riser, in which case, a "Y" and 1/8 bend or a combination "Y" and 1/8 bend shall be used.
- G. Horizontal vents shall be free from sags and be graded to dip back into the waste or vent stack. Where vent pipes connect to a horizontal soil or waste the vent shall be taken off above the centerline of the pipe and shall rise vertically, or at least 45 deg. to a point at least 6" above the fixture flood level and it is venting before offsetting horizontally and connecting to the main vent.
- H. Tie-in to existing utilities as indicated on the drawings.

3.2 CLEANOUTS:

- A. In horizontal sewer and storm water drain lines cleanouts shall be located at least every 50' in lines 4" and smaller, and every 75' in lines larger than 4". Cleanouts shall also be located at the foot of each riser and every change of direction, 45 deg. or greater. The cleanout takeoffs, shall be made "Y" and necessary bends to bring the opening parallel or at 45 deg. to the floor. Openings shall be plugged with standard cast iron or brass ferrule with brass screw plug.
- B. Cleanouts may be located in walls, but shall be covered with an access frame and cover, as described in Section 15050.
- C. Cleanouts may be same size as pipe; house cleanout shall be 6".
- D. Cleanouts in finished floors shall be described in Section 15050.
- E. All cleanouts shall be accessible. All cleanout plugs shall be opened, cleaned and greased after all concrete work inside and outside of building is completed.

3.3 DRAINS:

- A. All drains (floor drains, funnel drains, etc.) shall be properly trapped and vented. Drains shall be installed per manufacturer's recommendations. Contractor shall submit installation shop drawings for review.
- B. Drain lines shall be run to waste receptacles from water heater relief valve, low points in pipe lines (where indicated). Drips, overflows or other drains that are not valved, shall not be cross connected with another drain which may have sufficient pressure to cause backflow through the unvalved drain. Drain piping to waste receptacle shall be of the same materials as other lines serving the unit or piping being drained.

3.4 DOMESTIC COLD, HOT AND HOT WATER CIRCULATING PIPING:

- A. Piping shall be as described in Section 15050 of these specifications.
- B. Water shall be run to all fixtures, etc., in the building as shown on the plans and as required for a complete and operating job.
- C. All new and re-worked portable water piping shall be disinfected in accordance with International Plumbing Code, 2006. Furnish Jefferson Parish with written statement that disinfection work has been completed.
- D. Shutoff valves or stops shall be located on all equipment and fixtures, inlets, in branches to groups of fixtures and where shown on the plans. Valves shall be accessible.

- E. Vacuum breakers shall be installed between the valve and fixture at least 6" above floor level or any fixture which might have its supply inlet submerged.
- F. Drains shall be installed at low points in the hot and cold water systems and all water piping shall be graded down to the drains. Drains shall have ½" globe valve with renewable disc and ¾" hose nipple.
- G. Tie-in to existing piping as indicated on the drawings.

3.5 PIPE INSULATION:

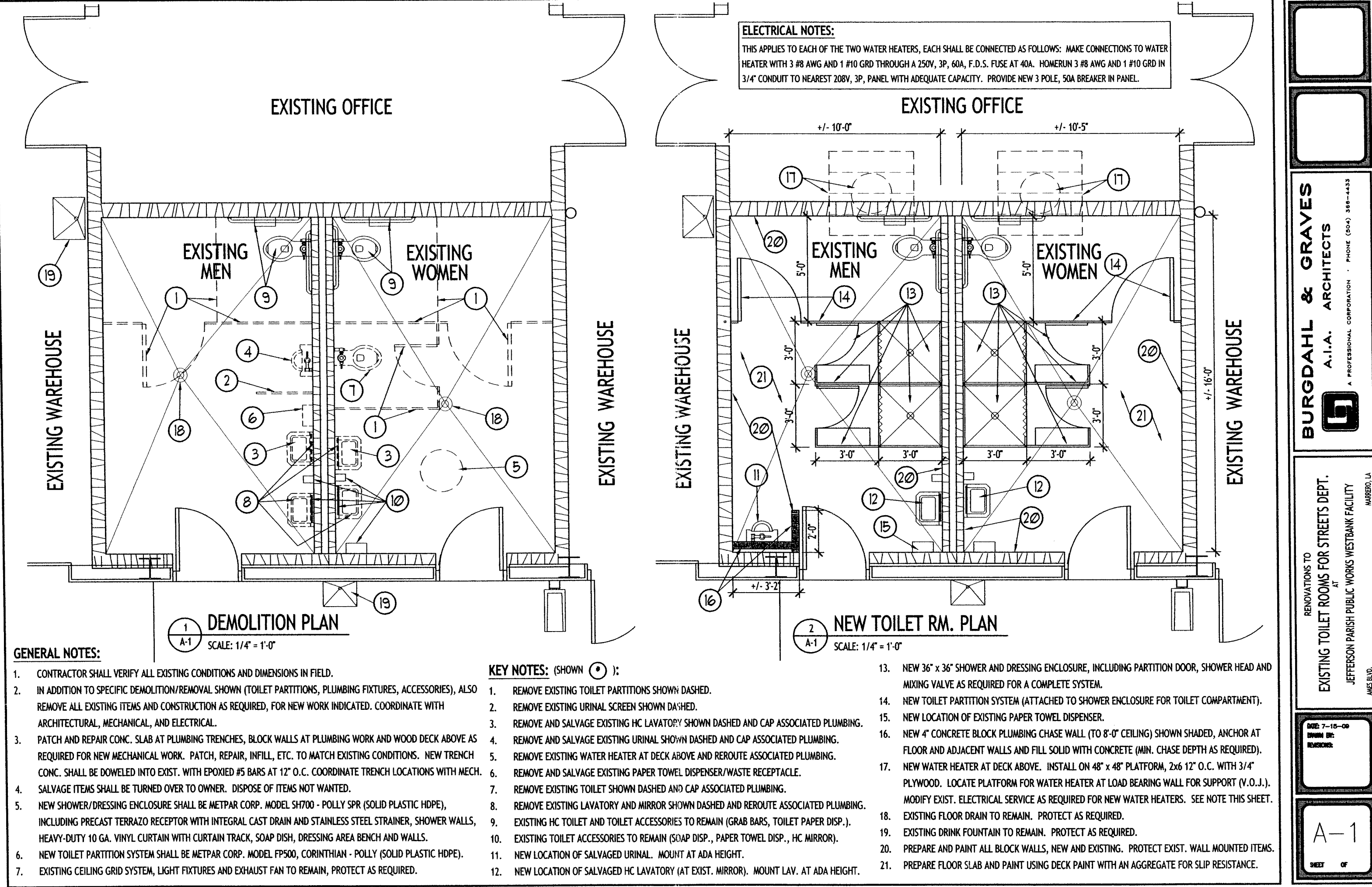
- A. All piping shall be clean of rust, scale and dirt tested for leaks, dry and inspected prior to insulating application.
- B. Apply insulation in full accordance with manufacturer's recommendations.

3.6 PLUMBING FIXTURES AND TRIM:

- A. Rough-in and install fixtures, trim and all appurtenances.

3.7 WATER HEATER:

- A. Install water heater, cold water and hot water lines, ASME T&P relief valve and full size drain piping to funnel drain as indicated on the drawings.
- B. Mount water heater in safety pan and pipe safety pan drain to funnel drain as detailed on the plans.



LEGEND - DEMOLITION PLAN (SHEET M-2):

- 1. EXISTING HANDICAP TOILET -- TO REMAIN & BE REUSED.
- 2. REMOVE EXISTING TOILET, FLUSH VALVE & ALL APPURTENANCES. CUT & CAP/PLUG WASTE, VENT & WATER LINES BELOW SLAB/IN CHASE.
- 3. REMOVE EXISTING URINAL, FLUSH VALVE & ALL APPURTENANCES. RELOCATE & REUSE URINAL ONLY, WHERE INDICATED. CUT & CAP/PLUG WASTE, VENT & WATER LINES BELOW SLAB/IN CHASE.
- 4. EXISTING FLOOR DRAIN TO REMAIN & BE REUSED.
- 5. REMOVE EXISTING LAVATORY AND TRIM, RISERS, STOPS, TRAP, ETC. CUT & CAP/PLUG WASTE, VENT & WATER LINES BELOW SLAB/IN CHASE. TIE-IN RELOCATED HANDICAP LAVATORY TO EXISTING VENTED WASTE AND CW & HW LINES IN CHASE AS REQUIRED.
- 6. REMOVE EXISTING HANDICAP LAVATORY, AND TRIM, RISERS, STOPS, TRAP, ETC. CUT & CAP/PLUG WASTE, VENT AND WATER LINES IN CHASE. RELOCATE HANDICAP LAVATORY WHERE INDICATED. TIE-IN TO EXISTING VENTED WASTE LINE AND CW & HW LINES IN CHASE AS REQUIRED.
- 7. EXISTING EWC TO REMAIN IN PLACE AND BE RE-USED.
- 8. EXISTING DRINKING FOUNTAIN TO REMAIN IN PLACE AND BE RE-USED.
- 9. EXISTING 2" CW FROM ABOVE TO EXISTING PLUMBING FIXTURES. CUT AND CAP WATER LINE TAKE-OFFS AS DESCRIBED HEREINAFTER.
- 10. EXISTING 3/4" CW LINE ABOVE CEILING/WATER HEATER PLATFORM- TO EWC.
- 11. EXISTING 3/4" FROM ABOVE, TO EXISTING LAVATORIES. CUT AND CAP TAKE-OFFS AS DESCRIBED.
- 12. EXISTING VENTED WASTE (TYPICAL).
- 13. EXISTING TOILET EXHAUST GRILLE TO REMAIN.
- 14. EXISTING DOOR GRILLE TO REMAIN.
- 15. EXISTING 2" CW DOWN TO PLUMBING FIXTURES.
- 16. CUT EXISTING 3/4" CW LINE TO WATER HEATER AND 3/4" HW LINE FROM WATER HEATER AS INDICATED. REMOVE EXISTING 20 GALLON ELECTRIC WATER HEATER, SAFETY PAN AND ALL APPURTENANCES.
- 17. EXISTING 3/4" VALVED CW LINE FROM 2" CW MAIN TO WATER HEATER.
- 18. EXISTING 3/4" HW FROM WATER HEATER DOWN TO EXISTING LAVATORY.
- 19. EXISTING TOILET EXHAUST FAN AND DUCT TO REMAIN.
- 20. EXISTING PARTITIONS TO BE REMOVED BY OTHERS.
- 21. EXISTING WATER HEATER AND SAFETY PAN ON PLATFORM ABOVE, TO BE REMOVED. SEE 16.

LEGEND - NEW CONSTRUCTION PLAN (SHEET M-3):

- 51. EXISTING HANDICAP TOILET.
- 52. EXISTING HANDICAP USE LAVATORIES RELOCATED. FURNISH & INSTALL NEW STOPS, SUPPLIES, RISERS, TRAPS, ETC.
- 53. EXISTING RELOCATED URINAL. MOUNT FOR HANDICAP USE.
- 54. EXISTING FLOOR DRAIN.
- 55. EXISTING EWC.
- 56. EXISTING DRINKING FOUNTAIN.
- 57. 2" SHOWER DRAIN (FURNISHED AS PART OF NEW SHOWER RECEPTOR) AND 2" VENTED WASTE. CUT SLAB AND TIE-IN TO EXISTING 4" WASTE LINE BELOW SLAB. (TYPICAL OF 4)
- 58. 1-1/2" VENT UP.
- 59. TIE-IN TO EXISTING 4" WASTE LINE BELOW FINISHED FLOOR.
- 60. EXISTING 3/4" HW FROM ABOVE DOWN TO RELOCATED LAVATORIES. (TYPICAL OF 2)
- 61. NEW 1" HW FROM ABOVE DOWN TO NEW SHOWERS.
- 62. EXISTING 2" CW FROM ABOVE (SEE 9).
- 63. TIE-IN TO EXISTING 2" CW IN CHASE AND ROUTE TO NEW SHOWER VALVE. (4 TOTAL)
- 64. NEW 1-1/2" VENT FROM BELOW. TIE-IN TO EXISTING 4" VTR.
- 65. 3/4" CW -- TIE-IN TO EXISTING 2" CW.
- 66. 1-1/2" VENT FROM BELOW. ROUTE AND TIE-IN TO EXISTING 4" VTR.
- 67. TIE-IN TO EXISTING 3/4" CW. INCREASE TO 1" & ROUTE TO NEW WATER HEATER.
- 68. TIE-IN TO EXISTING 3/4" CW LINE. (SEE 18).
- 69. EXISTING 3/4" CW -- DOWN TO RELOCATED EXISTING LAVATORIES. (2 TOTAL)
- 70. NEW 1" HW -- DOWN TO NEW SHOWERS. (4 TOTAL)
- 71. NEW 2" TRAPPED & VENTED FUNNEL DRAIN. ROUTE WASTE HORIZONTALLY AND THEN DOWN IN CHASE TO TIE-IN TO EXISTING 4" WASTE BELOW SLAB. ROUTE VENT TO TIE IN TO EXISTING 4" VTR.
- 72. NEW WATER HEATER IN NEW SAFETY PAN ON PLATFORM ABOVE.
- 73. NEW 50 GALLON ELECTRIC WATER HEATER IN NEW SAFETY PAN -- SEE DETAIL.
- 74. EXISTING TOILET EXHAUST FAN. (SEE 19).
- 75. NEW TOILET PARTITIONS & SHOWER RECEPTORS AND PARTITIONS TO BE FURNISHED AND INSTALLED BY OTHERS.

BURGDahl & GRAVES

A.I.A. ARCHITECTS

A PROFESSIONAL CORPORATION • PHONE (504) 368-4433

RENOVATIONS TO

EXISTING TOILET ROOMS FOR STREET'S DEPT.

AT

JEFFERSON PARISH PUBLIC WORKS WESTBANK FACILITY

MAHERO, LA

AWES BLVD.

DWG 7/15/09

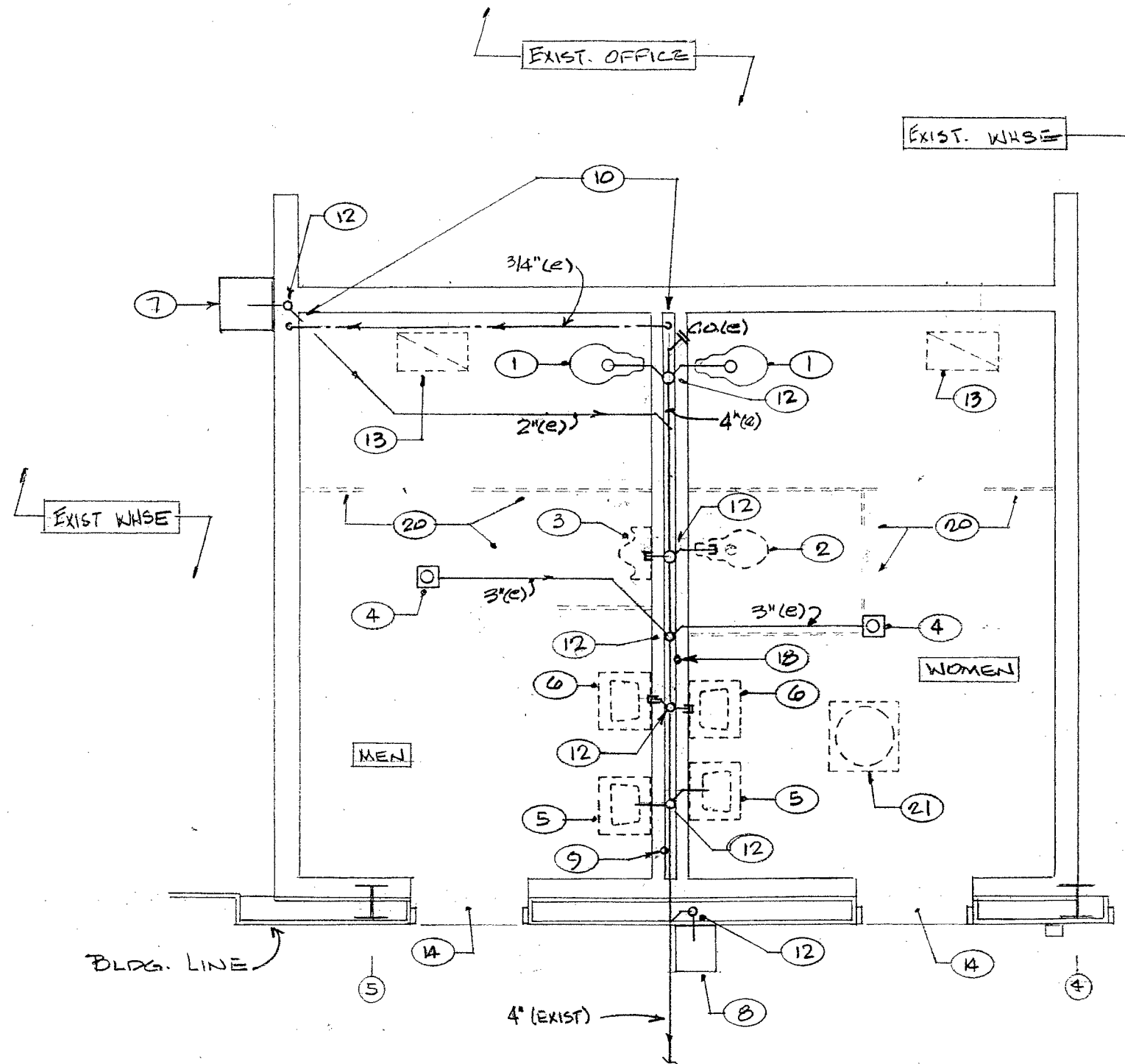
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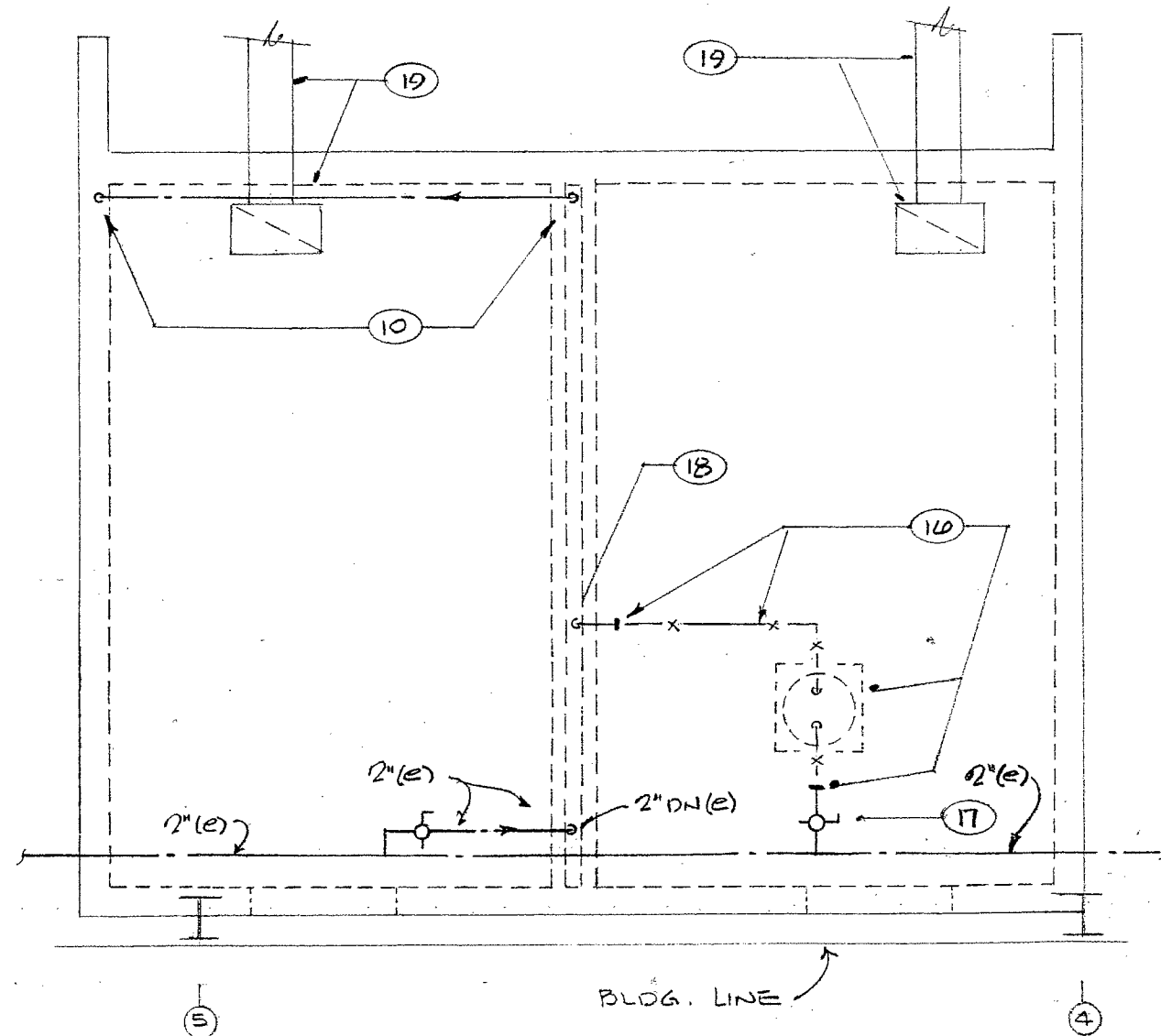
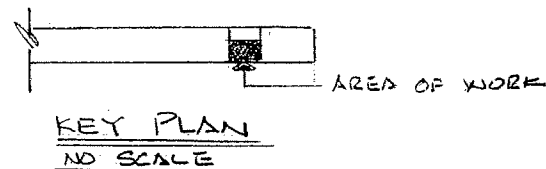
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NOTE: ALL PLUMBING FIXTURES, TRIM, WATER HEATER, ETC. THAT ARE REMOVED SHALL REMAIN THE OF THE OWNER AND SHALL BE PLACED ON THE JOBSITE WHERE DIRECTED.



FLOOR PLAN - DEMOLITION

1/4" = 1' - 0"



PLATFORM PLAN - DEMOLITION

1/4" = 1' - 0"

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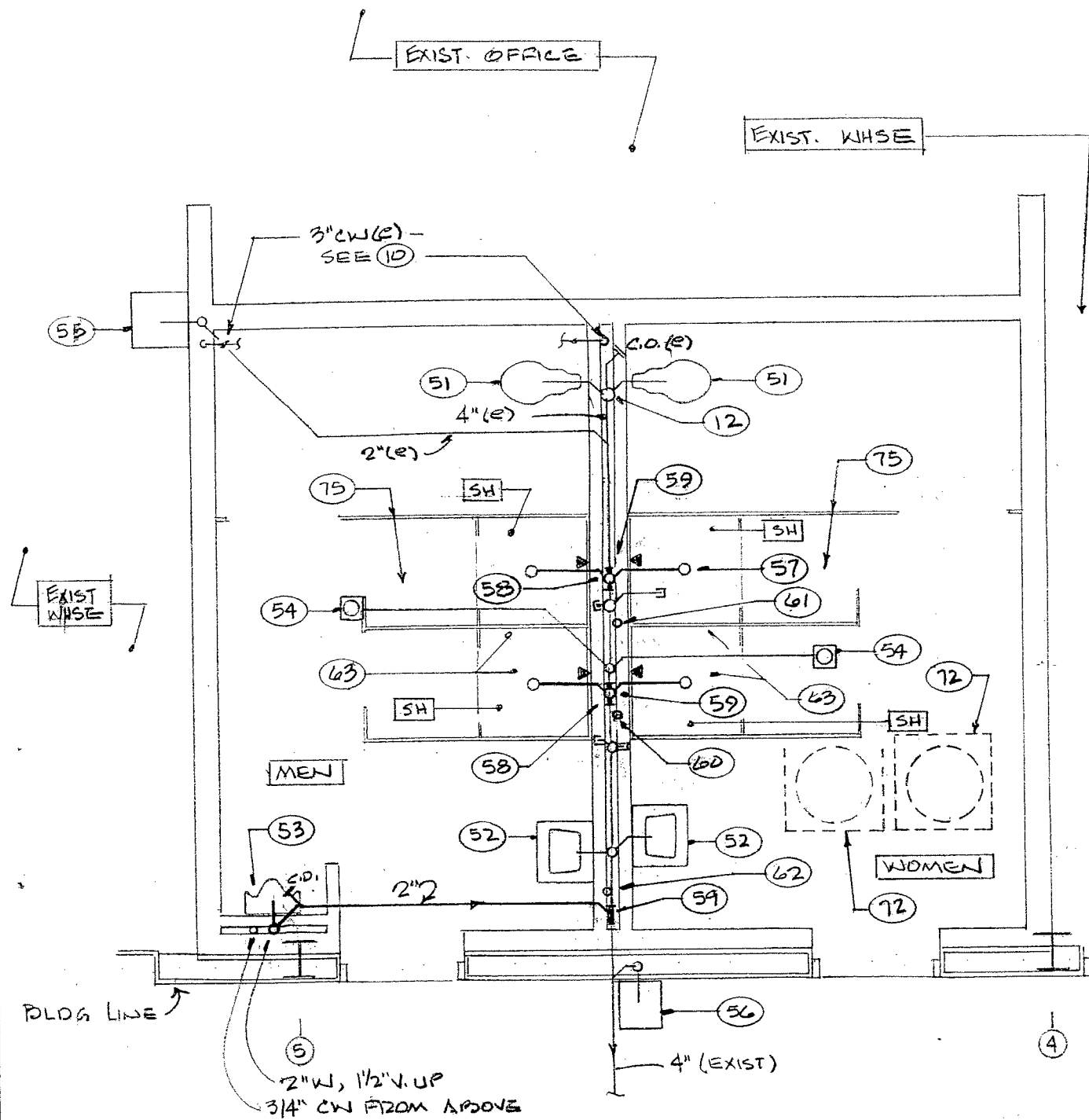
RENOVATIONS TO
EXISTING TOILET ROOMS FOR STREETS DEPT.
AT
JEFFERSON PARISH PUBLIC WORKS WESTBANK FACILITY

ANES BLVD. HARRERO, LA

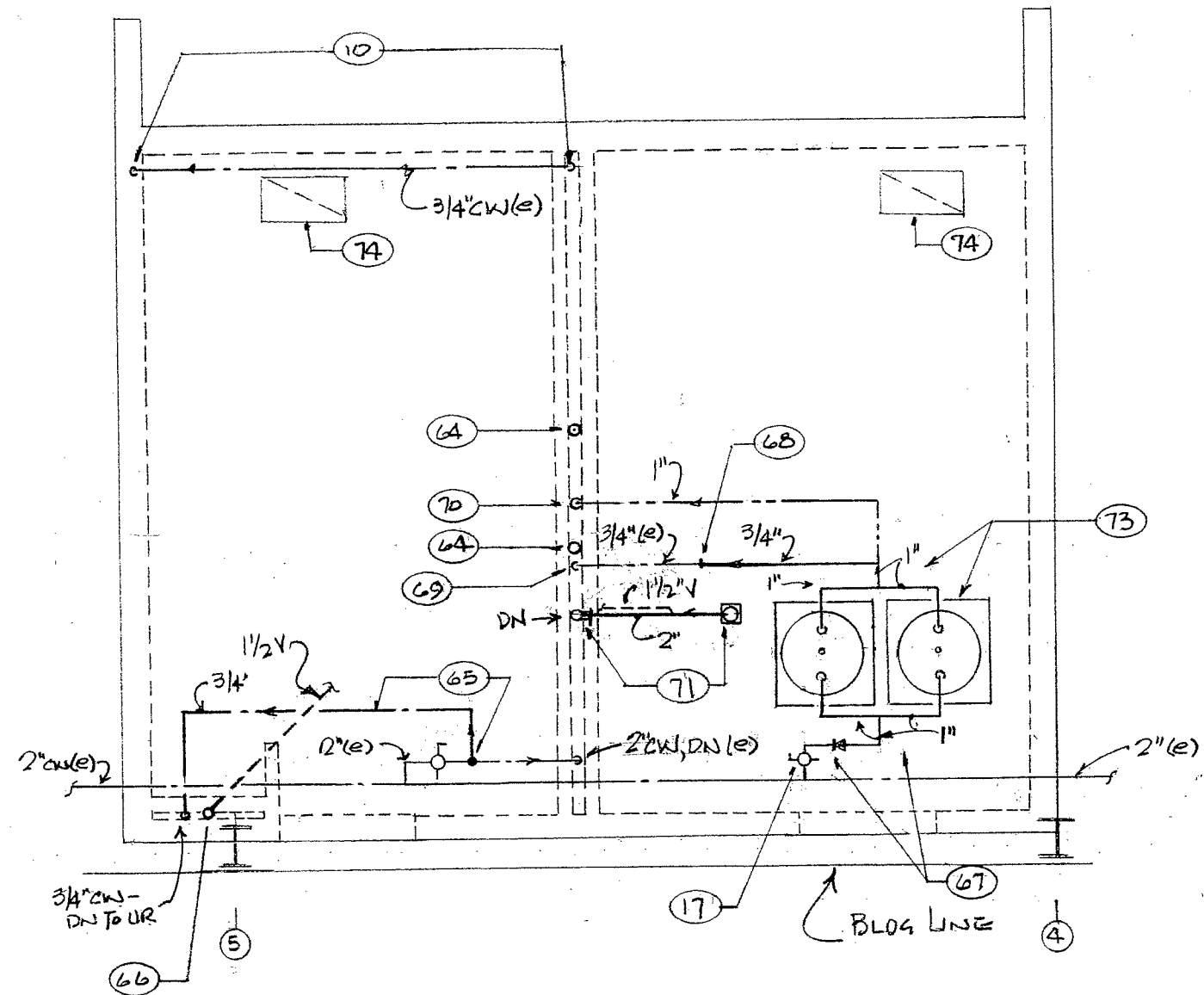
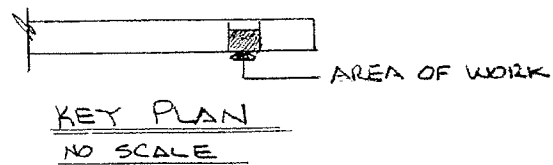
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SHEET OF



FLOOR PLAN - NEW CONSTRUCTION
 $\frac{1}{4}'' = 1' - 0''$



PLATFORM PLAN - NEW CONSTRUCTION
 $\frac{1}{4}'' = 1' - 0''$

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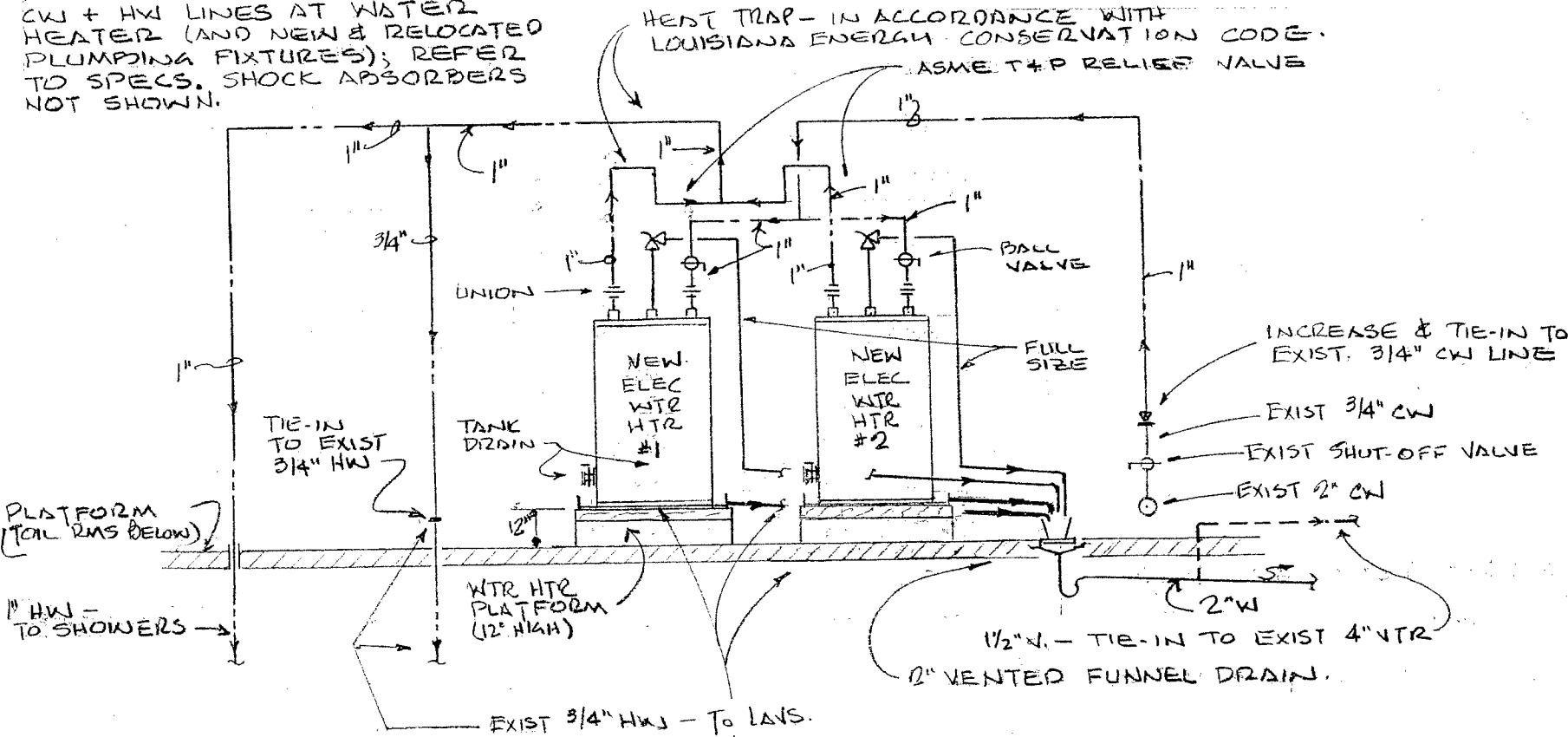
RENOVATIONS TO
 EXISTING TOILET ROOMS FOR STREETS DEPT.
 AT
 JEFFERSON PARISH PUBLIC WORKS WESTBANK FACILITY
 JAMES BLVD.
 HARBOUR, LA

DATE: 7/15/09
 DRAWN BY:
 REVISIONS:

M-3

SHEET OF

PROVIDE SHOCK ABSORBERS IN CW + HW LINES AT WATER HEATER (AND NEW & RELOCATED PLUMBING FIXTURES); REFER TO SPECS. SHOCK ABSORBERS NOT SHOWN.



20 GA. GALV. SHEET METAL SAFETY PAN WITH HEMMED EDGES AND SOLDERED JOINTS, 4\"/>

WATER HEATER MOUNTING / PIPING DETAIL
NO SCALE

ELECTRIC WATER HEATER SCHEDULE (11)									
STORAGE GAL	RECOVERY GPH (4)	KW INPUT (7)	ELEC. CHARAC.	CONNECTIONS (5)		RHEEM/RUUD MODEL (10)	REMARKS		
				CW	HW				
50	41	10	208V/3/4/60Hz	3/4"	3/4"	ELDS52	1	2	3 5 6 8 10 12

- 1 FURNISH WITH ASME T&P RELIEF VALVE, PROPERLY SIZED.
- 2 WATER HEATER SHALL BEAR UL APPROVAL SEAL.
- 3 WITH TANK DRAIN.
- 4 AT 100°F TEMP. RISE.
- 5 COMMERCIAL WATER HEATER, 3-YEAR TANK WARRANTY.
- 6 MOUNT IN SAFETY PAN (SEE DETAIL).
- 7 5.0 KW UPPER ELEMENT, 5.0 KW LOWER ELEMENT; SIMULTANEOUS OPERATION.
- 8 SET AT 120°F.
- 9 REDUCE / INCREASE AS REQUIRED.
- 10 RHEEM/RUUD, A.O. SMITH, LOCHINVAR, STATE, MUST FIT IN LOCATION PROVIDED WITH ADEQUATE SPACE FOR SERVICE & MAINTENANCE.
- 11 TWO (2) WATER HEATERS - #1 & #2; SAME SIZE AND CAPACITY, EACH.
- 12 MODIFY ELECTRICAL FEEDERS, AS REQUIRED FOR NEW WATER HEATERS - BY OTHERS.

PLUMBING FIXTURE CONN. SCHEDULE					
FIXTURE	CW	HW	WASTE	VENT	REMARKS
TOILET	1"	-	4"	4"	1 4
LAV	1/2"	1/2"	1/2"	1 1/2"	2 3
URINAL	3/4"	-	2"	1 1/2"	2 3
SHOWER	1/2"	1/2"	2"	1 1/2"	4
ENC	1/2"	-	2"	2"	5 6
DRINK. FOUNT.	1/2"	-	2"	2"	5 6

- 1 EXIST. FIXTURE FOR HANDICAP USE - REUSED.
- 2 EXISTING FIXTURE - RELOCATED + REUSED.
- 3 MOUNT FOR HANDICAP USE.
- 4 NEW PLUMBING FIXTURE + TRIM. MOUNT TRIM FOR HANDICAP USE.
- 5 EXISTING PLUMBING FIXTURE - REUSED.
- 6 TO REMAIN IN EXISTING LOCATION

NOTE TO CONTRACTOR:

Existing plumbing layout and other information obtained from the following drawings:

Jefferson Parish Public Works Department
Administration Building Addition
West Bank Facility at Ames Boulevard

Burgdahl & Graves Architects

Date: 9-25-00

Contractor shall verify all existing conditions prior to submitting bids or commencing any work.

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RENOVATIONS TO
EXISTING TOILET ROOMS FOR STREETS DEPT.
AT
JEFFERSON PARISH PUBLIC WORKS WESTBANK FACILITY
AMES BLVD. HARREBO, LA

DATE 7/15/09
DRAWN BY:
REVISIONS: