

WATER HAMMER ARRESTER SCHEDULE

FIXTURE UNITS | 1-11 | 12-32 | 33-60 | 61-113 | 114-154 | 155-330

1. ALL WHA'S SHALL BE PISTON TYPE WITH EPDM O-RINGS, SIOUX CHIEF'S SERIES 650

SIZE AND LOCATE WATER HAMMER ARRESTERS IN ACCORDANCE WITH PDI PAMPHLET

. ALL WHA'S SHALL BE ANSI/ASSE 1010 2004 CERTIFIED AND APPROVED FOR

INSTALLATION WITH NO ACCESS PANEL REQUIRED.

P.D.I. SIZE

OR EQUAL.

PDI-WH-201.

JURISDICTION. THE SYSTEM SHALL MEET ALL APPLICABLE REQUIREMENTS OF THE

17. THE CONTRACTOR SHALL COORDINATE WITH EXISTING CONDITIONS, RE-ROUTE PIPING

AS INDICATED AND MODIFY THE EXISTING SPRINKLER SYSTEM ROUTING, HEAD LOCATIONS AND SIZES AS NECESSARY TO PROVIDE THE MINIMUM SPRINKLER

18. IN AREAS OF A DROPPED CEILING, THE CONTRACTOR SHALL ARRANGE SPRINKLER

HEADS COMPLIMENTARY TO EACH CEILING TYPE. SPRINKLER HEADS LOCATED IN

THE SHORT AXES FOR 2x4 CEILING TILES). PROVIDE HEAD TYPES TO MATCH

OTHERS IN SIMILAR AREAS AND/OR COORDINATED WITH OWNER'S STANDARD.

19. ALL SPRINKLER HEAD LOCATIONS SHALL BE COORDINATED WITH THE EXISTING

STRUCTURE, LIGHT FIXTURES, HVAC ELEMENTS, PLUMBING ELEMENTS,

LAY-IN CEILINGS SHALL BE CENTERED IN RESPECTIVE CEILING TILES (CENTERED IN

CITY FIRE DEPARTMENT.

COVERAGE AREA REQUIRED.

ARCHITECTURAL CEILING TREATMENTS.



ARCHITECTURE SCOTT MARTSOLF - ARCHITECT

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SAINT TERESA
OF CALCUTTA
CATHOLIC
CHURCH

PARISH HALL

13517 ALTA VISTA ROAD FORT WORTH, TX 76262

CONSTRUCTION DOCUMENTS

Project No.

2403

Date:

08/05/2024

Sheet No.

Project No.

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1.1.1 GENERAL CONDITIONS

A. All work covered by this section of these specifications shall be accomplished in accordance with the respective drawings, information of instructions to bidders, general requirements and the supplementary general conditions of these specifications.

B. Bidders shall determine the contents of a complete set of drawings and specifications and be aware that they may be bidding from a partial set of drawings, applicable only to the various separate contract, subcontracts or trades as may be issued for bidding purposes only. The contract documents are the combined Architectural, Structural, Plumbing, Heating, Ventilating and Air Conditioning and Electrical drawings and specifications. All drawings and specifications are on file in the Architect's office, and each Bidder shall thoroughly acquaint himself with all of the details of the complete set of drawings and specifications before submitting his bid. All drawings and specifications form a part of the contract documents for each separate contract. They shall be considered as bound therewith in the event partial sets of plans and specifications shall be deemed evidence of the review and examination of all drawings, specifications and addenda issued for this project. No allowances will be made because of the Contractor's unfamiliarity with any portion of the complete set of

C. All equipment and materials shall be manufactured in the United States of America.

A. The work included under this specification consists of the furnishing of all labor, materials, tools, transportation, services, etc. which are applicable and necessary to complete the installation of the systems specified herein; all as described in these specifications, as illustrated on the accompanying drawings, or as directed by the Architect.

B. In general, the various lines and ducts to be installed by the various

B. In general, the various lines and ducts to be installed by the various trades under this specification shall be run as indicated, as specified herein, as required by particular conditions at the site and as required to conform to the generally accepted standards so as to complete the work in a neat and satisfactorily workable manner. Run work parallel or perpendicular to the lines of the building unless otherwise noted.

C. The construction details for the building are illustrated on the Architectural and Structural Drawings. Each Contractor shall thoroughly acquaint himself with the details before submitting his bid, as no allowance will be made because of the Contractor's unfamiliarity with these details. Place all inserts to accommodate the ultimate installation of pipe hangers in the forms before concrete is poured. Set sleeves in place in forms

before concrete is poured, and in masonry walls while they are under

of the general construction to precede that general construction.

1.1.3 INSPECTION OF SITE

A. The Contractors shall visit the site, verify all existing items shown on plans or specified herein, and familiarize himself with the working conditions, hazards, existing grades, actual formations, soil conditions, and local requirements involved, and submission of bids shall be deemed evidence of such visit. All proposals shall take the existing conditions into consideration, and the lack of specific information on the drawings shall not

construction. All concealed lines shall be installed as required by the pace

relieve the Contractor of any responsibility.

1.1.4 UTILITIES, LOCATIONS AND ELEVATIONS

A. Locations and elevations of the various utilities included within the scope of this work have been obtained from City and/or other substantially reliable sources and are offered separately from the Contract Documents, as a general guide only, without guarantee as to accuracy. The Contractor shall examine the site, shall verify to their own satisfaction the locations, elevations and availability of all utilities and services required and shall adequately inform themselves as to their relation to the work; the

submission of bids shall be deemed evidence thereof.

1.1.5 CODE REQUIREMENTS

A. All work shall comply with the provisions of these specifications, as illustrated on the accompanying drawings, or as directed by the Architect, and shall satisfy all applicable local codes, ordinances, or regulations of the governing bodies, and all authorities having jurisdiction over the work, or services thereto. In all cases where alterations to, or deviations from the drawings and specifications are required by the authority having jurisdiction, the Contractor shall report same in writing to the Owner and secure his approval before proceeding. Upon completion of the work, the Contractor shall provide complete utility service connections, as directed, and submit, as required, all necessary drawings; he shall secure all permits and inspections necessary in connection with his work and pay all legal fees on account thereof. In the absence of other applicable local codes acceptable

to the Architect, the National Electrical Code and International Plumbing

Code shall apply to this work. 1.1.6 RECORDS FOR THE OWNER A. The Contractor shall obtain at his own expense a complete, full-size set of prints on which he shall keep an accurate record of the installation of all materials and systems covered by his contractual agreement. The record shall indicate the location of all equipment and the routing of all systems. All conduit buried in concrete slabs, walls, and below grade shall be located by dimension unless a surface mounted device in each space indicates the exact location. He shall then obtain at his expense one complete reproducible set of the original drawings on which he shall neatly transfer his notations and deliver these drawings to the Engineer at job completion before the final payment for delivery to the Owner. B. In addition to the above, the Contractor shall accumulate during the iob progress the following data in duplicate prepared in a neat brochure or packet folder bonding for subsequent delivery to the Owner. The Contractor shall include in his bid the cost of binding into a book:

and material covered by the Contract.

2. Copies of approved shop drawings and submittals.

3. Copies of sequence of operations for all equipment covered by Contract.

1.1.7 MATERIALS AND WORKMANSHIP

A. All materials, unless otherwise specified, shall be new, free from any defects and of the best quality of their respective kinds. All like materials

1. All warranties, quarantee, and manufacturer's directions on equipment

otherwise specified.

B. All manufactured articles, materials and equipment shall be applied, installed, connected, erected, used, cleaned, adjusted and conditioned as recommended by the Manufacturers, or all indicated in their published literature, unless specifically herein specified to the contrary. All work under this contract shall be performed by competent workmen and executed in a neat and workmanlike manner providing a thorough and complete installation. Work shall be properly protected during construction, including the shielding of soft or fragile materials and the temporary plugging of open lines during construction. At completion, the installation shall be

used shall be of the same manufacturer, model and quality, unless

1.1.8 STORAGE AND PROTECTION

A. Provide adequate facilities for items furnished under these specifications which are subject to damage if exposed to elements. Take such precautions as necessary to properly protect apparatus from damage. Failure to comply with this provision will be sufficient cause for rejection of the particular apparatus involved.

thoroughly cleaned, and all tools, equipment, obstruction or debris present

as a result of this Contract shall be removed from the premises.

1.1.9 COOPERATION

A. All work under these specifications shall be accomplished in conjunction with other trades on this project in a manner which will allow each trade adequate time at the proper stage of construction to fulfill his work.

B. Maintaining contact and being familiar with the progress of the general construction and the timely installation of sleeves and inserts, etc., before concrete is placed shall be the responsibility of this trade, as will the installation of the required systems in their several stages, at the proper time to expedite this contract and avoid unnecessary delays in the progress of other contracts, and meet all requirements of progress schedules set up by the Architect.

C. Should any question arise between trades as to the placing of lines,

C. Should any question arise between trades as to the placing of lines, ducts, conduits, fixtures or equipment, or should it appear desirable to remove any general construction which would affect the appearance or strength of the structure, reference shall be made to the Architect for

1.1.10 SCHEDULE OF MATERIAL AND EQUIPMENT

A. The Contractor shall submit for approval a complete schedule of material and equipment which is to be installed under the contract. The schedule shall be submitted within 30 days after the award of this contract and prior to the installation or fabrication of any of the material involved. The schedule shall include for materials the Manufacturer's name, Catalog Number, Type and Trade Name; in addition, for equipment, attach Manufacturer's Engineering Data and Specification Sheet.

1.1.11 SHOP DRAWINGS AND SUBMITTALS:

A. Provide Submittals and Shop Drawings (3 copies minimum) for the following equipment and layout:
1. Ductwork fabrication details and layout at 1/4" = 1'-0" scale.
2. Mechanical equipment cut sheets including all performance characteristics accessories drawings wiring diagrams etc. Accessories

2. Mechanical equipment cut sheets including all performance characteristics, accessories, drawings, wiring diagrams, etc. Accessories shall be clearly labeled to show what is and is not provided.

3. Piping details showing materials used and joining/sealing methods.

4. Piping layout at 1/4" = 1'-0" scale.

B. Equipment shall not be ordered until approved by the Architect and Engineer of Record. The Contractor shall allow two (2) weeks for design team review of submittals.

1.1.12 DRAWINGS AND SPECIFICATIONS

A. The drawings show, diagrammatically, the locations of the various lines. ducts, conduits, fixtures and equipment and the method of connecting and controlling them. It is not intended to show every connection in detail and all fittings required for a complete system. The systems shall include, but are not limited to, the items shown on the drawings. Exact locations of these items shall be determined by reference to the general plans and measurements at the building and in cooperation with other sub-contractors and, in all cases, shall be subject to the approval of the Contractor. the Contractor reserves the right to make any reasonable change in the location of any part of this work without additional cost to the Owner. B. Should any changes be deemed necessary by the Contractor in items shown on the contract drawings, shop drawings and descriptions, the reason for the proposed changes shall be submitted to the Owner for approval. C. Exceptions and inconsistencies in plans and specifications shall be brought to the contractor's attention before bids are submitted; otherwise, the Contractor shall be responsible for the cost of any and all changes and additions that may be necessary to accommodate his particular

D. The Contractor shall lay out his work maintaining all lines, grades and dimensions according to these drawings with due consideration for other trades and verify all dimensions at the site prior to any fabrication or installation. Should the layout be impractical, the Contractor shall be notified before any installation or fabrication, and the existing conditions shall be investigated and proper changes effected without any additional

cost.
E. Titles of Sections and Paragraphs in these specifications are introduced merely for convenience and are not to be construed as a correct or complete segregation to tabulation of the various units of material and/or work. The Architect does not assume any responsibility, either direct or implied, for omissions or duplications by the Contractor or any Sub—contractor due to real or alleged error in the arrangement of matter in the Contract Documents.

1.1.13 ARCHITECT'S APPROVAL

A. In any statement under this contract where "approval" is required or requested, it is understood that such approval must be obtained from the Architect in writing before proceeding with the proposal, and an adequate number of copies of any such proposal shall be submitted to the Architect.

B. The approval by the Architect of any materials, changes, drawings, etc., submitted by the Contractor will be considered as general only and to aid the contractor in expediting his work. such approval as may be given does not in any way relieve the Contractor from the necessity of furnishing the materials and performing all work as required by the drawings and specifications.

1.1.14 LOCAL RESTRICTIONS

A. The Contractor shall become familiar with all rules and regulations of the City, County and State, or any other authority having jurisdiction over this project. If it is the Contractor's opinion that any work or materials shown on the drawings or specifications do not comply with these rules and regulations as to size, type, capacity and quality, he must make it known prior to the submission of his bid, which shall be deemed evidence of compliance; otherwise, the Contractor shall be responsible for the approval of all work or material and, in the event that such Authority should indicate disapproval, he shall correct same with materials approved by the Architect at no additional cost to the Owner.

1.1.15 ELECTRICAL WIRING

A. Except for such items as are normally wired up at their point of manufacture and so delivered, and unless specifically noted to the contrary herein, the Electrical Subcontractor will do all electric wiring of every character for power supply. The Mechanical Subcontractor shall erect all motors in place ready for connections and shall furnish with each such motor a starter of the type specified and deliver it in good condition to the Electrical Subcontractor at the job. The Electrical Subcontractor will mount all such starters, as directed, furnishing supporting structures where necessary. The Owner and other Subcontractors shall furnish with each item requiring electrical connections, the necessary instructions and wiring diagrams to the Electrical Subcontractor. The Electrical Subcontractor shall refer to the Specifications to determine the Scope of the Work.

1.1.16 LARGE APPARATUS AND EQUIPMENT

A. All large apparatus and equipment which is specified or shown to be furnished or installed under this Contract, and which may be too large to be moved into its final position through the normal building openings planned, shall be placed by this Subcontractor in its approximate final position. This shall be accomplished through cooperation and coordination with other Subcontractors before any obstructing structure is installed. All apparatus shall be cribbed up from the floor by this Subcontractor and cared for as specified under "Storage and Protection" or as directed by the Architect.

1.1.17 RESPONSIBILITY

A. The Contractor will be held responsible for the satisfactory and complete execution of all work included. He shall produce complete finished operating systems and provide all incidental items required as part of his work, regardless of whether such item is particularly specified or indicated.

1.1.18 CLEAN UP

A. Clean up trash and debris caused by the work of this Section, keeping premises, streets, sidewalks and adjacent areas clean and neat at all times.

A. Clean up trash and debris caused by the work of this Section, keeping premises, streets, sidewalks and adjacent areas clean and neat at all times. B. Dispose of such materials outside the limits of the project site to approved locations.

1.1.19 PAINTING

A. Upon completion, clean all pipes and equipment before painting.
Painting of mechanical equipment and piping is specified in architectural
Painting Section.

A. Access doors are to be provided by the Contractor. Contractor will closely coordinate locations of valves, etc. in order to have access to all concealed portions of the system requiring periodic service. Prepare shop drawings for coordination of all access doors, locating same for installation by General Contractor. Access door locations shall be approved by Architect or Owner before installation.

1.1.21 FLAME SPREAD PROPERTIES OF MATERIALS

A. All materials and adhesives used for acoustical linings and insulation, jackets, tapes, etc. shall conform to Interim Federal Standard Flame—spread Properties of Materials, Inc. Fed. Std. No. 00336A (comm. NBS). The classification shall not exceed No. 2, with the range of indices between 0 and 25 for these classifications as listed in the Federal Specifications for the basic materials, the finishes, adhesives, etc. specified for each system, and shall be such that when completely assembled the total will not exceed an index of 50 in Classification 111 as listed in the Federal Specifications. Modifications shall be made to insulating materials, etc. as required to comply with the Federal Specifications.

A. The Contractor shall furnish a written guarantee in triplicate, warranting all materials, equipment and labor furnished by him to be free of all defects for a period of one year from date of final acceptance by the Owner. He shall further guarantee that all equipment shall meet the characteristics, capacities and workmanship specified and within the warranty period, the defects and/or equipment will be repaired or made good without cost to the Owner. The Contractor further agrees to correct warranty deficiencies within 48 hours of notification by management.

B. REFERENCE DOCUMENTS: Conditions of the Contract and Division 01 "General Requirements" are made a part of this section whether attached

SECTION 2 - PLUMBING SYSTEMS

SECTION 2 — PLUMBING SYSTEMS

2.1.1 UNDERGROUND DOMESTIC WATER PIPING AND FITTINGS

A. Pipe and fittings outside building lines shall be Class 160, Type 1,

Grade 1, polyvinyl chloride (PVC). This pipe shall be supplied with all appropriate fittings and shall be assembled in accordance with manufacturer's instructions.

B. Piping below building slabs shall be Type "L" copper with Siflos joints.
C. Underground domestic hot water distribution shall be pre—insulated pipe equal to Thermacor "Thermafab" with 1" thick polyurethane foam insulation and PVC jacket.

2.1.2 ABOVE GROUND AND INTERIOR DOMESTIC WATER PIPING

A. Pipe and fittings shall be type "L" pipe with wrought fittings. all fittings, unless specifically noted, shall be solder type.

2.1.3 SANITARY SEWER PIPING SYSTEMS

A. Pipe and fittings outside building lines shall be Schedule 40, Type Grade 1 polyvinyl chloride (PVC).

B. All pipe and fittings inside the buildings and to 5 feet outside the building line shall be service weight cast iron with cast fittings. Joints shall be made with neoprene gaskets.

C. At the contractor's option, and with written approval of the local code authorities, interior sanitary piping may be schedule 40 PVC with drainage fittings to a point 5 feet outside of building line.

2.1.4 GAS PIPING SYSTEMS

A. Pipe shall be Schedule 40 black steel with black malleable iron threaded joint fittings. If piping is installed below grade, pipe shall be mill wrapped. B. At contractor's option, and with the approval of local ruling officials, the underground gas service lines may be polyethylene (PE 2306) natural gas yard piping conforming to ASTM d-2513 73, with a copper wire installed with it continuously so that it can be located with a metal detector.

2.1.5 CONDENSATE DRAINAGE PIPING
 A. Aboveground, condensate drainage piping: Copper DWV tube: ASTM B 306, drainage tube, drawn temper; copper drainage fittings: ASME B16.23, cast copper or ASME B16.29, wrought copper, solder—joint fittings; or PVC pipe, ASTM D2665, solid—wall drain, PVC socket fittings, ASTM D2665, socket type, made to ASTM D3311, drain and waste

patterns.

2.2.1 PLUMBING FIXTURES
A. Fittings and piping shall be brass and, wherever exposed, shall be polished chrome—plated. provide tight wall or floor escutcheons of chrome—plated brass where pipes pass through floors, walls or ceiling. All porcelain or vitreous china shall be clean, smooth and bright. All shall be warranted not to craze, color or scale. All plumbing fixtures and water closet seats shall be white in color unless otherwise noted in plumbing fixture schedule. All hot and cold water supplies shall have chrome—plated process stops. Plumbing fixtures shall be of vitreous china unless specified otherwise and shall be furnished complete with all fittings, mounting flanges, carriers, cap setting compound, etc.
B. Refer to plumbing fixture schedule for additional instructions.

2.2.2 WATER HEATERS
A. Electric Tank—type Water Heaters
1. Electric tank type water heaters shall be standard or lowboy style as indicated on the drawings with a maximum working pressure of 150 psi. heater shall be vertical type, interior—lined tank, anode protection, drain valve, safety relief valve, high temperature cut—off, insulated tank with a baked enamel exterior steel jacket, UL listed.
2. Water heaters shall be A.O. Smith, State, Rheem or approved equal.

B. Instantaneous Electric Water Heaters

1. Thermostat—control: Comply with UL 499 for tankless electric (water heater) heating appliance.

2. Construction shall include copper piping or tubing complying with

 Construction shall include copper piping or tubing complying with NSF 61 barrier materials for potable water, without storage capacity.
 Pressure rating of 150 psig.

4. Electrical resistance heating system.
5. Temperature control shall be thermostatic.
6. Provide with high—temperature—limit cutoff device or system.

2.3.1 INSULATION

A. Mineral—fiber, pipe insulation: Preformed pipe insulation complying with ASTM C 547, Type I, Grade A, with absorbent cloth factory applied to the entire inside surface of preformed pipe insulation and extended through the longitudinal joint to outside surface of insulation under insulation jacket. Factory apply a white, polymer, vapor—retarder jacket with self—sealing adhesive tape seam and evaporation holes running continuously along the longitudinal seam, exposing the absorbent cloth. Insulate all hot and cold water piping with 1" thick pipe insulation. All water or roof drain piping installed in exterior walls or in attic spaces shall be installed to the heated side of the wall or attic insulation. All water piping subject to freezing temperatures shall be:

Insulated sufficiently to prevent freezing of piping; or
 Wrapped with heat tape, thermostatically controlled, of sufficient wattage to prevent freezing of piping. pipe insulation thickness as recommended by the heat tape manufacturer with fiberglass

recommended by the heat tape manufacturer with fiberglass insulation with universal jacket.

B. Condensate drainage pipe insulation inside the building and roof drain piping inside building used for condensate drainage: 1/2" thick flexible elastomeric thermal insulation, closed—cell, sponge— or

expanded—rubber materials. Comply with ASTM C 534.
Roof drain piping inside building: Minimum of 1 1/2" insulation on first 10—feet of horizontal run starting at the roof drain body or elbow. This requirement applies to primary and overflow piping. Refer to condensate drainage piping where primary roof drain (horizontal or vertical) is used for condensate disposal.

2.3.1 EXECUTION OF PLUMBING SYSTEMS

A. Water and sewer lines shall be laid in separate trenches with a

minimum horizontal spacing as required by code. Trenches for all underground pipe shall be excavated to the required depths. the bottoms of trenches shall be graded to produce the required fall.

B. At all underground pipes, provide not less than 8" minimum protection at different services. Domestic water shall be at least 12" above the

top of the sanitary sewer at crossing. Provide 6" minimum clearance between pipes of different services above ground.

C. The contractor shall furnish all pipe supports required for their equipment and materials.

D. All horizontal runs of piping shall be supported by pipe straps, spaced as follows:
2" dia. and larger copper piping: 10 feet 1-1/2" dia. and smaller copper piping: 6 feet

PV piping: 4 feet
Cast iron: 5 feet

10—foot lengths of pipe are installed.

Soil and waste piping: At each joint.

Additional supports shall be provided where required to prevent sagging. hangers for copper pipe shall have nylon insulated bushings or pipe

shall be wrapped with 15# felt.

E. Provide air chambers on water supplies at each fixture battery. Air chamber shall consist of a 12" length of tubing of the same diameter as the branch supply and fitted with a cap.

F. All connections to risers or fixtures shall be from top of mains, and all piping shall be pitched at least 1" in 25', so that it can be drained completely at the low points. Piping shall be pitched up toward risers and fixtures for proper air relief.

G. Horizontal soil and waste pipes shall be given a grade of 1/4" per foot

G. Horizontal soil and waste pipes shall be given a grade of 1/4" per foot where possible, but in no case less than 1/8" per foot. Horizontal waste lines receiving the discharge from 2 or more fixtures shall be provided with end vents unless separate venting of fixtures is provided. Changes in pipe size on waste, soil and drain lines shall be made with reducing fitting or recessed reducers. Changes in direction shall be made by the use of 45 degree wyes, halfwyes, except that sanitary tees may be used on vertical stacks and short 1/4 bends may be used in soil and waste lines where the change in direction of flow is from the horizontal to the vertical.

H. Each plumbing vent and/or soil stack projecting above the roof shall be flashed with standard manufactured flashing. Flashing shall be sheet metal with rubber gaskets. Flashing shall extend into roofing a minimum of 12" or distance specified by local code,

Cleanouts shall be provided where indicated on the drawings, or where required, to provide access to all lines and at each change in direction greater than 45 degrees and in each horizontal run at intervals not exceeding 50' in 4" or smaller and 100' in larger than 4" soil, waste and drain lines. Cleanouts shall be same size as pipe except cleanouts larger than 4" will not be required. Where cleanouts occur in walls of finished areas, they shall be concealed behind chrome—plated access covers.

STERILIZATION: The entire hot and cold domestic water systems shall be

thoroughly sterilized after fabrication per the requirements of the local health and building codes.

K. CROSS CONNECTION AND INTERCONNECTIONS: No plumbing fixture, device or piping shall be installed which will provide a cross connection or interconnection between a distributing supply for drinking or domestic purposes and a polluted supply such as drainage system or a soil or waste pipe which will permit or make possible the backflow of sewage, polluted water or waste into the water supply system.

ARCHITECTURE
SCOTT MARTSOLF - ARCHITECT

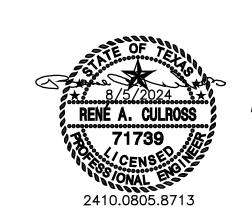
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SAINT TERESA
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13517 ALTA VISTA ROAD FORT WORTH, TX 76262

CONSTRUCTION DOCUMENTS



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	ELECTRIC DOMESTIC WATER HEATER												
MARK	NARK SERVICE		STORAGE	WATER TEMP RISE	RECOVERY	LEAVING WATER		ELECTRIC	AL DATA		MANUFACTURER/	REMARKS	
WH	OLIVIOL	TYPE	(GAL)	(DEG-F)	RATE (GPH)	TEMP (DEG-F)	QTY HTRS	KW (EA)	VOLTS	PH	MODEL SERIES	KEWAKKO	
1	DOMESTIC HOT WATER	ELECTRIC	20	60	15	120	1	2.5	208	1	AO SMITH/ DEL	1	

1. ADJUST STORAGE WATER TEMPERATURE IN ACCORDANCE WITH ENERGY CODE

	ELECTRIC INSTANTANEOUS WATER HEATER SCHEDULE												
MARK	SERVICE	MIN FLOW RATE	MAX FLOW	WATER TEMP RISE	INPUT	WATER HOLDING	ELECTRICAL DATA		MANUFACTURER/	REMARKS			
IWH	O ERVIOL	(GPM)	RATE (GPM)	(DEG-F)	(KWH)	CAP (GAL)	МСА	МОСР	VOLTS	PH	MODEL SERIES		
1	DOMESTIC HOT WATER	0.2	3.0	40	5	0.3	24	30	208	1	EEMAXLAVADVANTAGE	1,2,3	
2	DOMESTIC HOT WATER	0.2	3.0	40	7.5	0.3	36	40	208	1	EEMAXLAVADVANTAGE	1,2,3	

REMARKS:

1. PROVIDE WITH INTEGRAL THERMOSTATIC MIXING VALVE, FLOW CONTROL VALVE, AND DIGITAL TEMPERATURE DISPLAY

2. PROVIDE WITH LOCKABLE CIRCUIT BREAKER AT ELECTRICAL PANEL.

3. SYSTEM SHALL BE CAPABLE OF VARIABLE FLOW FOR MULTIPLE FIXTURE USE.

	PLUMBING FIX						$\equiv$
//ARK	DESCRIPTION	W	UGH IN (	CW MINIMUI	M) HW	MANUFACTURER AND MODEL NUMBER	<i>[ [ [ [ [ [ [ [ [ [</i>
VC1	WATERCLOSET, FLOOR MOUNT, FLUSHOMETER VALVE TYPE, RATED FOR HIGH EFFICIENCY FLUSHING ACTION (1.28 GPF), TOP SPUD, ELONGATED, SIPHON ACTION JETTED BOWL, VITREOUS CHINA, WHITE, ASME A112.19.2, 2" FULLY GLAZED TRAPWAY	4"	2"	_	_	AMERICAN STANDA 2234.001 OR AS SELECTED BY OWNER (VIA ARCHITECT)	T
	FLUSHOMETER VALVE, HIGH EFFICIENCY (1.28 GPF), MANUAL FLUSH, 1-1/2" TOP SPUD, SPUD COUPLING AND FLANGE, CHROME PLATED ANGLE STOP WITH STOP CAP, VACUUM BREAKER FLUSH CONNECTION, CAST WALL FLANGE WITH SET SCREW, ANSI/ASME 112.19.6	_	_	1 1/2"	_	SLOAN, CROWN 111-1.28 OPTIMA SMO; KOHLER, K-10673; ZURN, ZER6200PEV-CPM	
	SEAT, EXTRA HEAVY WEIGHT, POSTURE MOLDED SOLID PLASTIC, ELONGATED, OPEN FRONT, LESS COVER, EXTERNAL CHECK HINGES, STAINLESS STEEL HINGE POSTS, WHITE	_	_	_	_	CHURCH 9500C; BEMIS, 1655C; OLSONITE, 95/SS	-
2	WATERCLOSET, FLOOR MOUNT, FLUSHOMETER VALVE TYPE, RATED FOR HIGH EFFICIENCY FLUSHING ACTION (1.28 GPF), TOP SPUD, ELONGATED, SIPHON ACTION JETTED BOWL, VITREOUS CHINA, WHITE, ASME A112.19.2, 2" FULLY GLAZED TRAPWAY	4"	2"	_	_	AMERICAN STANDARD 3043.001 OR AS SELECTED BY OWNER (VIA ARCHITECT)	-
	FLUSHOMETER VALVE, HIGH EFFICIENCY (1.28 GPF), MANUAL FLUSH, 1-1/2" TOP SPUD, SPUD COUPLING AND FLANGE, CHROME PLATED ANGLE STOP WITH STOP CAP, VACUUM BREAKER FLUSH CONNECTION, CAST WALL FLANGE WITH SET SCREW, ANSI/ASME 112.19.6	_	_	1 1/2"	_	SLOAN, CROWN 111-1.28 OPTIMA SMO; KOHLER, K-10673; ZURN, ZER6200PEV-CPM	
	SEAT, EXTRA HEAVY WEIGHT, POSTURE MOLDED SOLID PLASTIC, ELONGATED, OPEN FRONT, LESS COVER, EXTERNAL CHECK HINGES, STAINLESS STEEL HINGE POSTS, WHITE	-	_	_	_	CHURCH 9500C; BEMIS, 1655C; OLSONITE, 95/SS	
	URINAL, WALL MOUNT, VITREOUS CHINA, 14" EXTENDED FLUSHING RIM, SIPHON JET ACTION, 3/4" INLET	2"	2"	_	_	AMERICAN STANDARD,6541.132; KOHLER,K-5016-ET; CRANE,7309; ZURN, Z5730	
	SPUD, INLET AND OUTLET SPUDS AND HANGERS, 1.0 GPF, ASME/ANSI A112.19.2, STANDARD HEIGHT RIM FLUSHOMETER VALVE, EXPOSED DIAPHRAGM—TYPE, CHROME PLATED, 3/4" TOP SPUD, SPUD COUPLING AND FLANGE, OSCILLATING NON—HOLD OPEN HANDLE, CHROME PLATED ANGLE STOP WITH STOP CAP, VACUUM BREAKER FLUSH CONNECTION, CAST WALL FLANGE WITH SET SCREW, ANSI/ASME 112.19.6	_	_	3/4"	_	SLOAN REGAL MODEL 186-1.0YBYC; ZURN, Z6003-WS1; GEBERIT, 116.700.21.1	
	FIXTURE CARRIER, HANGER AND BEARING PLATES, ADJ. SUPPORTING RODS, UPRIGHTS, WELDED FEET LAVATORY, 20"x17" OVAL SELF—RIMMING BASIN WITH FAUCET LEDGE, VITREOUS CHINA, FRONT	_ 2"	- 1 1/2"	_		JOSAM, SERIES 17560-UR; WATTS, CA-321; ZURN, Z1222; OR JR SMITH, 0632 KOHLER 2351-1 OR AS SELECTED BY OWNER (VIA ARCHITECT)	_
	OVERFLOW, ANSI A112.19.2		1 1/2				_
	FAUCET, DECK MOUNT, ELECTRONIC PROXIMITY WITH DUAL BEAM INFRARED SENSOR, CHROME PLATED FINISH, CAST BRASS SPOUT, SINGLE CENTER HOLE INSTALLATION, CONCEALED INTERNAL TEMPERATURE CONTROL MIXER, BATTERY OPERATED.	_	-	1/2"	1/2"	CHICAGO FAUCET 116.211.AB.1, OR AS SELECTED BY OWNER (VIA ARCHITECT)	
	SUPPLY AND STOPS, LOOSE KEY, CHROME PLATED BRASS VALVES AND CHROME PLATED COPPER RISERS P-TRAP, CHROME PLATED CAST BRASS BODY WITH CLEANOUT, SEAMLESS WALL BEND, 17 GA.		_	_ _	_	MCGUIRE, H2165CCLK; T&S BRASS, B-1305; OR BRASSCRAFT, OCR1912A  MCGUIRE, 8902; BRASSCRAFT, 507; OR EQUAL IN T&S BRASS	_
	OFFSET TAILPIECE AND STRAINER, CHROME PLATED CAST BRASS	_ 2"	-	_	_	MCGUIRE, 155WC; OR EQUAL IN T&S BRASS; OR BRASSCRAFT	
	SINK, SINGLE COMPARTMENT, 19"x21"x6", SELF RIMMING, SEAMLESS #18 GAUGE TYPE 304 STAINLESS STEEL, FAUCET LEDGE, MINIMUM 1 3/4" VERTICAL AND HORIZONTAL RADIUS BASIN CORNERS, FULLY UNDERCOATED, ANSI A112.19.3M. DRAIN CENTERED IN REAR OF BASIN.	2	1 1/2"		4 /0"	JUST, SL-ADA-1921-A-GR; ELKAY, LRAD-2219	_
	FAUCET, SINGLE LEVER HANDLE, 10" SPOUT W/ INTEGRAL HAND SPRAY  SUPPLY AND STOP, LOOSE KEY, CHROME PLATED BRASS VALVES AND CHROME PLATED COPPER RISERS  P-TRAP, CHROME PLATED CAST BRASS BODY WITH CLEANOUT, 17 GA.E	_ _ _	_ 	1/2" - -	1/2" - -	KOHLER K-22974-WB OR AS SELECTED BY OWNER (VIA ARCHITECT)  MCGUIRE, H2167CCLK; OR EQUAL IN T&S BRASS OR BRASSCRAFT  MCGUIRE, 8902; OR EQUAL IN T&S BRASS OR BRASSCRAFT	
	TAILPIECE AND FORGED STAINLESS STEEL BASKET STRAINER	- 2"	- 1 1/2"	_	_	JUST J-ADA-35; OR EQUAL IN MCGUIRE, T&S BRASS OR BRASSCRAFT  EQUAL TO ELKAY LRAD-221955 WITH LR17160-X	_
	SINK, SINGLE COMPARTMENT, 22"x19"x6", SELF RIMMING, SEAMLESS #18 GAUGE TYPE 304 STAINLESS STEEL, WITH HINGED SACRISTY SINK COVER, FAUCET LEDGE, MINIMUM 1 3/4" VERTICAL AND HORIZONTAL RADIUS BASIN CORNERS, FULLY UNDERCOATED, ANSI A112.19.3M. DRAIN CENTERED IN REAR OF BASIN.	2	1 1/2	_	_	EQUAL TO ELNAT ENAD-221933 WITH ENTYTOU-X	
	FAUCET, SINGLE LEVER HANDLE, 10" GOOSE-NECK SPOUT, CHROME PLATED BRASS SUPPLY AND STOP, LOOSE KEY, CHROME PLATED BRASS VALVES AND CHROME PLATED COPPER RISERS P-TRAP, CHROME PLATED CAST BRASS BODY WITH CLEANOUT, 17 GA.E	- - -	_ _ _	1/2" - -	1/2" - -	CHICAGO, 2300-8CP; MOEN, 8720; DELTA, 400-WFELHHDF; T&S BRASS, B-2721 MCGUIRE, H2167CCLK; OR EQUAL IN T&S BRASS OR BRASSCRAFT MCGUIRE, 8902; OR EQUAL IN T&S BRASS OR BRASSCRAFT	_
В	TAILPIECE AND FORGED STAINLESS STEEL BASKET STRAINER  MOP SINK BASIN, ONE PIECE-PRECAST TERRAZZO 24"x24"x12" (1 1/4" WALL THICKNESS WITH		2"	_	_	FIAT MODEL TSB-3000 OR EQUAL BY STERN WILLIAMS OR FLORESTONE	_
٥	MINIMUM 9.75" INSIDE DEPTH) 6" DROP FRONT, STAINLESS STEEL EDGE CAPS ON ALL SIDES, STAINLESS STEEL WALL GUARDS, CAST BRASS DRAIN WITH STAINLESS STEEL STRAINER  FAUCET, EXPOSED YOKE, WALL MOUNTED UTILITY FAUCET, VACUUM BREAKER, 6"THREADED SPOUT		_	3/4"	3/4"	FIAT 830AA OR EQUAL BY CHICAGO FAUCET, MOEN OR T&S BRASS	_
C	TWO STATION WATER COOLER, INDOOR BI-LEVEL WALL MOUNTED, SELF CONTAINED ELECTRIC REFRIGERATION, STAINLESS STEEL BASIN AND CABINET WITH ANTI-SPLASH RIDGE, INTEGRAL DRAIN STRAINER, NON-SQUIRT BUBBLER, PUSH BAR ACTIVATION ON FRONT AND SIDES OF WATER COOLER. REFRIGERATION SYSTEM SERVING BOTH BI-LEVELS TO INCLUDE HIGH EFFICIENCY COMPRESSOR, R-134A, FULLY INSULATED STAINLESS STEEL TANK, 8 GPH WITH 50°F SUPPLY TEMPERATURE AND 80°F AMBIENT; FREEZE PROOF WITH ADA APRON; 115VOLT. ANSI 117.1, NFS/ANSI 61, ARI STANDARD 1010	2"	1 1/2"		-	HALSEY TAYLOR HAC8BLPV—WF OR AS SELECTED BY OWNER (VIA ARCHITECT)	
	SERVICE STOP WITH DIELECTRIC COUPLING P-TRAP, PVC, WHITE		_	1/2"	_	REFER TO MANUFACTURER FOR REQUIREMENTS  DEARBORN BRASS, A9701BG; KEYSAN MOEM9100; OR EQUAL	-
	FIXTURE CARRIER, STEEL TOP AND BOTTOM PLATES W/ ADJ. HOLES, CHROME PLATED CAP NUTS/WASHERS	_	_	_	_	JOSAM SERIES 17905; OR EQUAL IN ZURN OR JR SMITH	-
3	REFRIGERATOR ICE MAKER CONNECTION BOX WITH INTEGRAL REDUCED PRESSURE ZONE BACKFLOW PREVENTION ASSEMBLY, 8"X8" RECESSED STAINLESS STEEL ENCLOSURE	-	_	1/2"	_	GUY GRAY MODEL SSMIB3AB; GUY GRAY FRIB12ABP IN RATED CONSTRUCTION	
1	NON-FREEZE WALL HYDRANT, CONCEALED WALL TYPE WITH CYLINDER LOCK,STAINLESS STEEL BOX AND COVER OR CHROME FINISH ON BRASS CASTINGS, INTEGRAL VACUUM BREAKER, AUTOMATIC DRAINING, LOOSE KEY HANDLE, 3/4" MALE HOSE THREAD NOZZLE	_	_	3/4"	_	MIFAB MHY-20-3; JOSAM 71000-95; ZURN Z1300-CL	-
1	FLOOR SINK, 12"x12"x8", CI BODY, DBL DRAINAGE FLANGE, STAINLESS STEEL DOME STRAINER, 1/2 GRATE, NON-PUNCTURING FLASHING COLLAR, PORCELAIN ENAMEL OR EPOXY COATED INTERIOR	3"	_	_	_	JOSAM SERIES 49320A-3 OR EQUAL IN MIFAB OR ZURN	-
0	FLOOR CLEANOUT, COATED CAST IRON BODY, COMBINATION ADJUSTABLE ROUND STAINLESS STEEL COVER AND PLUG TOP ASSEMBLY, GASKET SEAL, ASME 112.36.2	_	_	_	_	JOSAM SERIES 58360; MIFAB C1000-R/S; ZURNZ-1400	_
00	WALL CLEANOUT, CI BODY, RECESSED, THREADED BRASS PLUG, STAINLESS STEEL ACCESS COVER GRADE CLEANOUT, HEAVY DUTY COATED CAST IRON ACCESS BODY WITH ANCHOR FLANGES,	<u> </u>	_ _	_ 	_ 	JOSAM SERIES 58890; MIFAB C1460; ZURN Z-1441  JOSAM SERIES 56680-5-26-VP; MIFAB C1300-MF-6; ZURN Z-1474-SG-VP	_
0	HEAVY DUTY DUCTILE IRON ACCESS COVER WITH VANDAL RESISTANT STAINLESS STEEL SCREWS  2-WAY GRADE CLEANOUT, TWO-RISER CLEANOUT BODY WITH HEAVY DUTY COATED CAST IRON ACCESS  BODY WITH ANCHOR FLANGES, HEAVY DUTY DUCTILE IRON ACCESS COVER WITH VANDAL RESISTANT  STAINLESS STEEL SCREWS	_	_	_	_	JOSAM SERIES 56680-5-26-VP; MIFAB C1300-MF-6; ZURN Z-1474-SG-VP	
0	SPIGOT CONNECTION, RAISED HEAD THREADED BRASS PLUG	_	_	_	_	JOSAM; MIFAB; ZURN	_

3. ABOVE THE FLOOR P-TRAPS ON LAVS AND SINKS SHALL BE EQUIPPED WITH TRUEBRO #103 UNDERSINK PROTECTIVE PIPE COVERS WHERE NOT CONCEALED BY MILLWORK.

4. ABOVE THE FLOOR P-TRAPS ON LAVS AND SINKS SHALL BE 17 GAUGE, CHROME PLATED BRASS. ACCEPTABLE MANUFACTURERS: MCGUIRE, T&S BRASS, OR BRASSCRAFT.

4. CONTRACTOR SHALL VERIFY FIXTURE SUPPLIES AND APPURTENANCES FOR EACH FIXTURE PRIOR TO BIDDING AND PURCHASING.

5. CONTRACTOR SHALL VERIFY ADA PLUMBING FIXTURES PROVIDED COMPLY WITH HANDICAPPED ACCESSIBILITY STANDARDS INCLUDING HEIGHT AND CLEARANCE REQUIREMENTS.

6. PROVIDE NON-SHRINK GROUT BELOW ALL SHOWER ENCLOSURES AND SHOWER RECEPTORS AS RECOMMENDED BY THE MANUFACTURER.

VERIFY FIXTURE COLOR, FINISH SELECTIONS, AND STYLE WITH OWNER (VIA ARCHITECT) PRIOR TO ORDERING FIXTURE.

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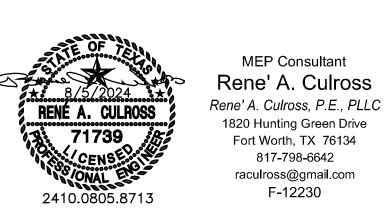
SAINT TERESA OF CALCUTTA CATHOLIC CHURCH

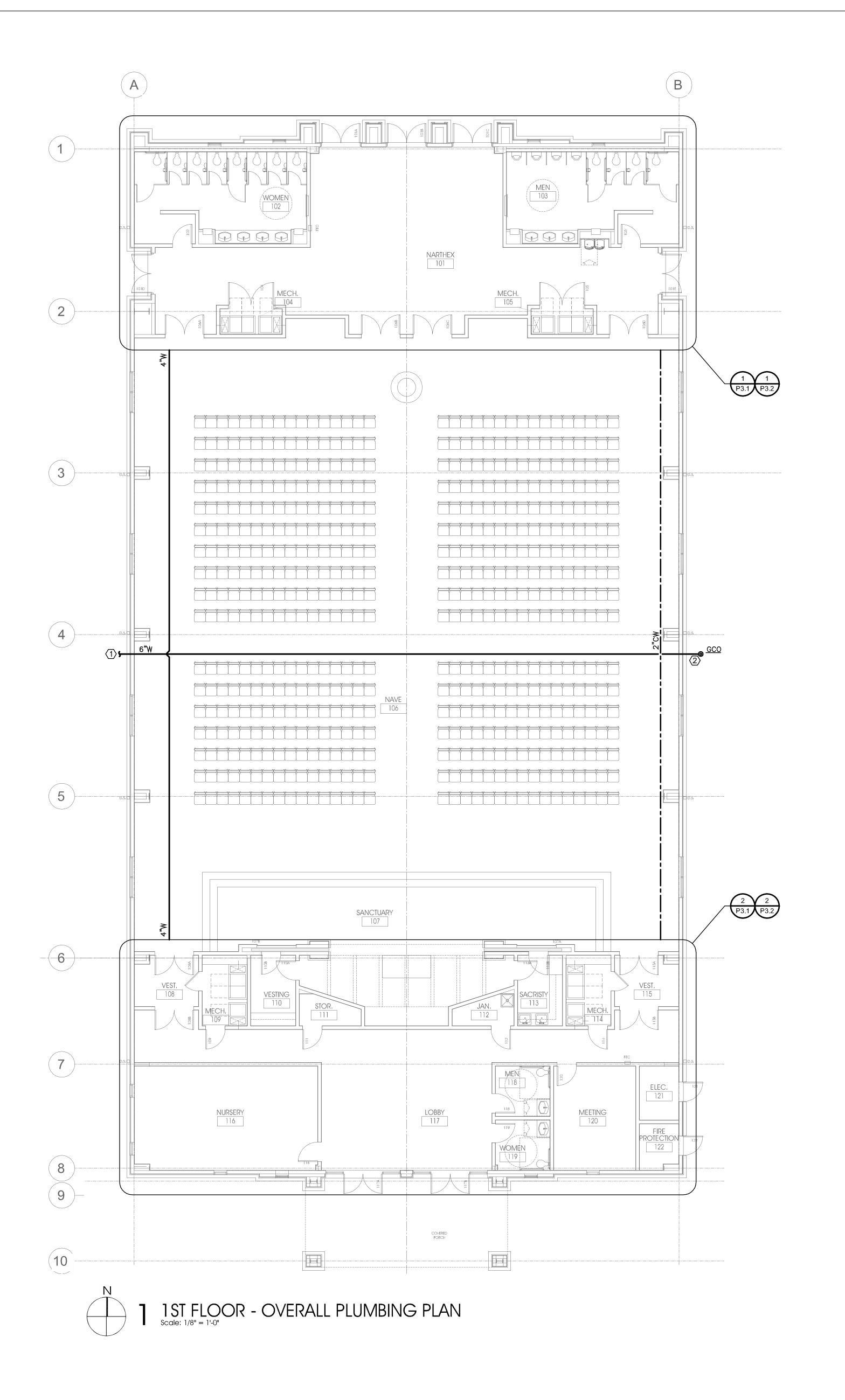
PARISH

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CONSTRUCTION **DOCUMENTS** 

Drawing Title: PLUMBING SCHEDULES Project No 08/05/2024 Sheet No.





GENERAL NOTES THIS SHEET

1. REFER TO PO.1 FOR ADDITIONAL INSTRUCTIONS.

2. COORDINATE ALL PLUMBING WITH OWNER/ARCHITECT PRIOR TO PURCHASING THE FIXTURE.

NOTES BY SYMBOL "1"

6-INCH BUILDING WASTE. REFER TO CIVIL FOR CONTINUATION.

2 FOR FUTURE CONNECTION (ALTERNATE OR OTHER FUTURE)

SAINT TERESA OF CALCUTTA

CATHOLIC

CHURCH

ARCHITECTURE

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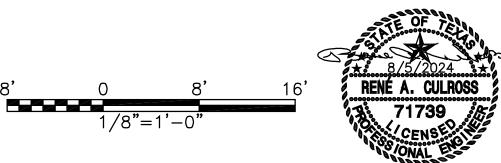
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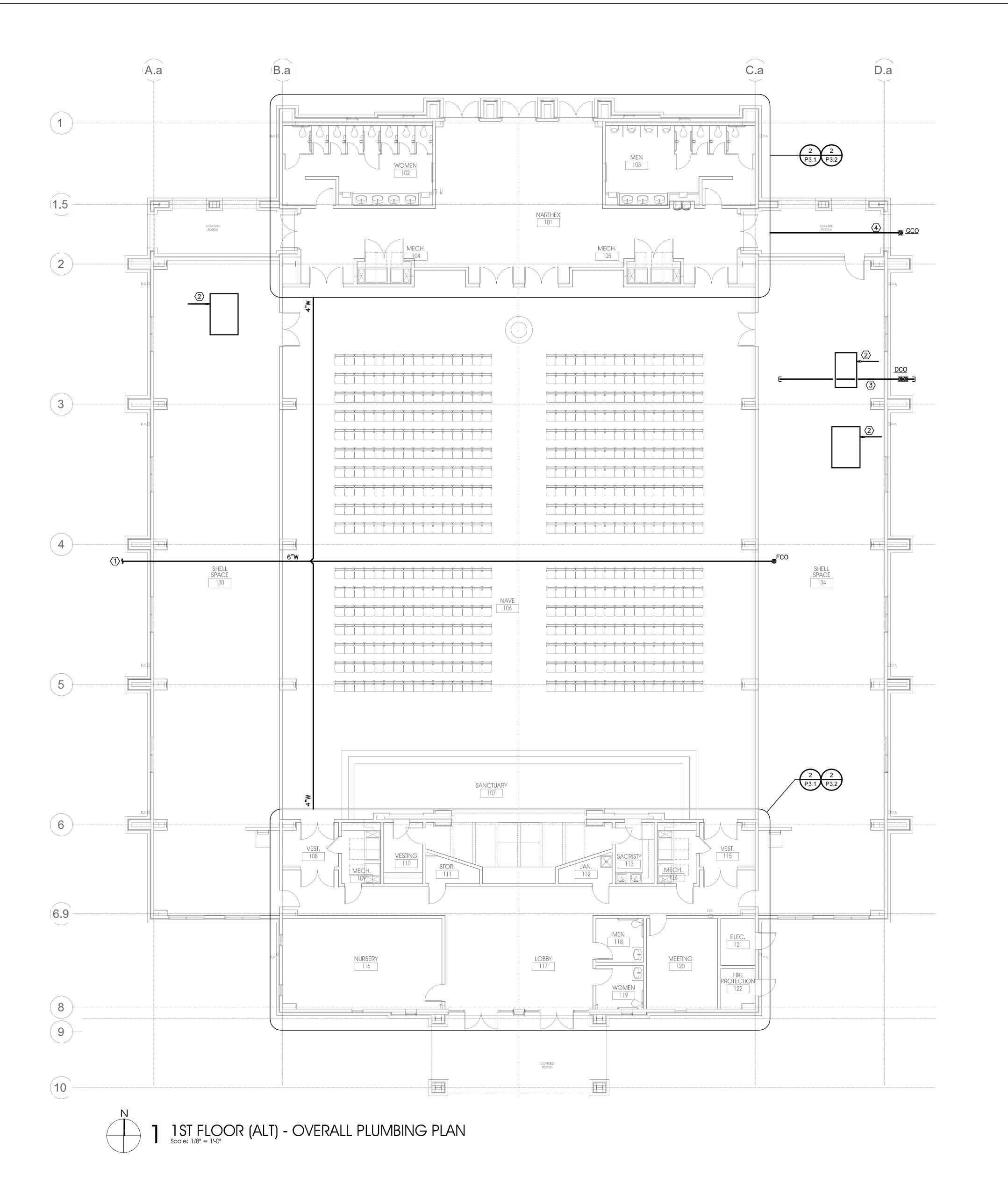
CONSTRUCTION **DOCUMENTS** 

Drawing Title: **1ST FLOOR** OVERALL PLUMBING PLAN Project No. 08/05/2024 2403 Sheet No.



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**GENERAL NOTES THIS SHEET** 

1. REFER TO PO.1 FOR ADDITIONAL INSTRUCTIONS.

2. COORDINATE ALL PLUMBING WITH OWNER/ARCHITECT PRIOR TO PURCHASING THE FIXTURE.

NOTES BY SYMBOL "①"

6-INCH BUILDING WASTE UNDER FLOOR. REFER TO CIVIL FOR CONTINUATION.

ON ROOF — EXTEND FULL—SIZE DRAIN 3—FEET MINIMUM TOWARD GUTTER SYSTEM FOR GRAVITY DRAIN TO GUTTER SYSTEM. REFER TO DETAIL 5/P4.1 FOR ADDITIONAL INSTRUCTIONS.

3 4-INCH GREASE WASTE UNDER FLOOR FOR (TO) FUTURE GREASE

4 4-INCH WASTE UNDER FLOOR FOR (FROM) FUTURE GREASE INTERCEPTOR.

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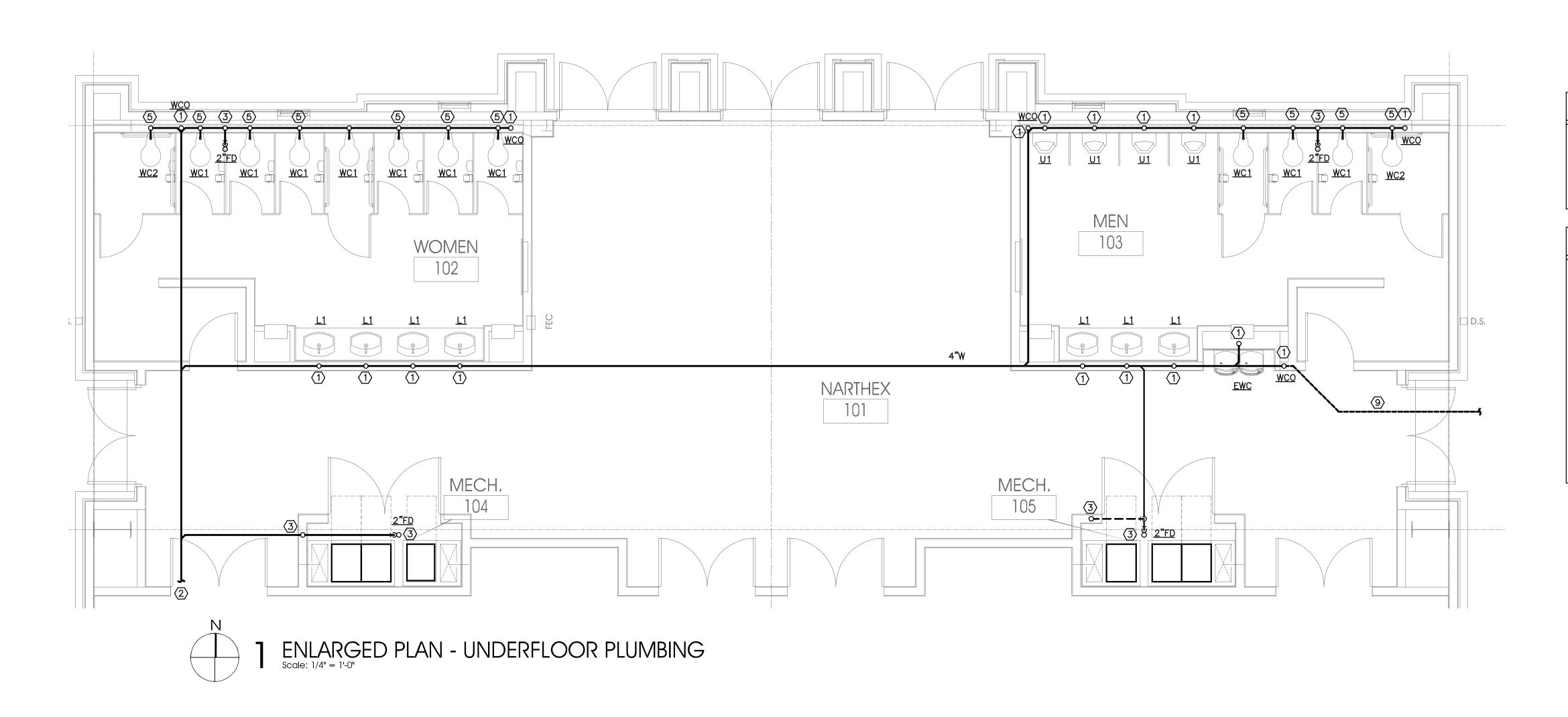
CONSTRUCTION DOCUMENTS

Drawing Title:	
	LOOR (ALT) PLUMBING PLAN
Project No.	Date:
2403	08/05/2024
	Sheet No.
	P2.1a

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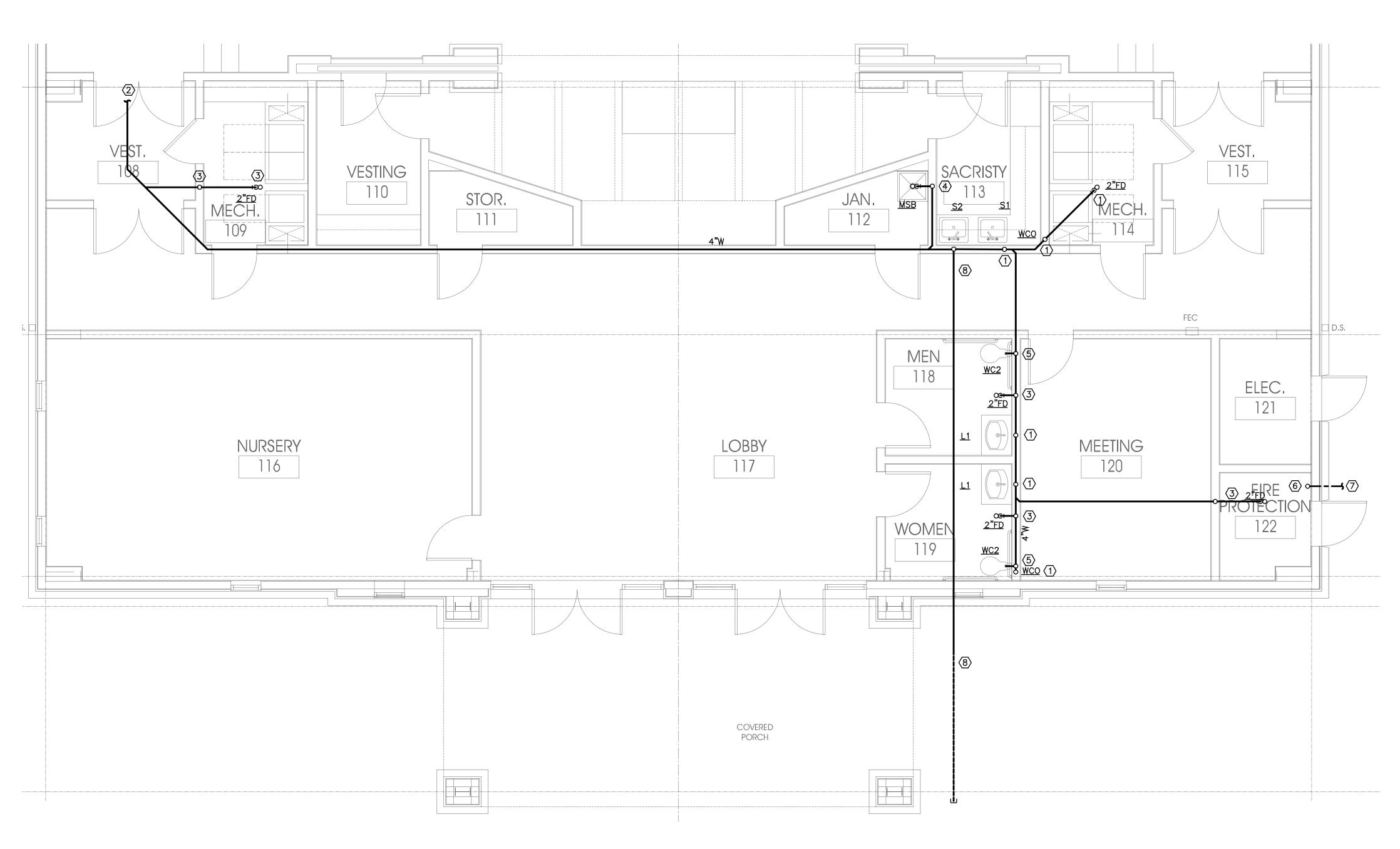




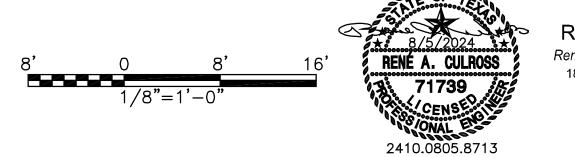
- 1. REFER TO PO.1 FOR ADDITIONAL INSTRUCTIONS.
- 2. COORDINATE ALL PLUMBING WITH OWNER/ARCHITECT PRIOR TO PURCHASING THE FIXTURE.
- 3. REFER TO PLUMBING PLANS ON P3.2 FOR ADDITIONAL WORK ABOVE FIRST FLOOR AND BELOW SECOND FLOOR.

## NOTES BY SYMBOL "1"

- 1 2-INCH WASTE FROM PLUMBING FIXTURE.
- (2) REFER TO P2.1 FOR CONTINUATION.
- 3 2-INCH WASTE FROM PLUMBING FIXTURE; 2-INCH VENT UP.
- (4) 3-INCH WASTE FROM PLUMBING FIXTURE, 2-INCH VENT UP.
- (5) 4-INCH WASTE FROM PLUMBING FIXTURE; 2-INCH VENT UP.
- 6 2-INCH COLD WATER SERVICE UP.
- REFER TO CIVIL FOR CONTINUATION.
- 8 2-INCH WASTE TO EARTH. AT 3-FEET FROM BUILDING FOUNDATION TRANSITION TO 4-INCH PERFORATED PIPE 10-FEET IN LENGTH.
- (9) ALTERNATE ONLY 4-INCH WASTE FROM FUTURE KITCHEN. REFER TO P2.1a FOR ADDITIONAL INSTRUCTIONS.



2 ENLARGED PLAN - UNDERFLOOR PLUMBING
Scale: 1/4" = 1'-0"



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CONSTRUCTION

**DOCUMENTS** 

Drawing Title:

ENLARGRED PLANS UNDERFLOOR PLUMBING

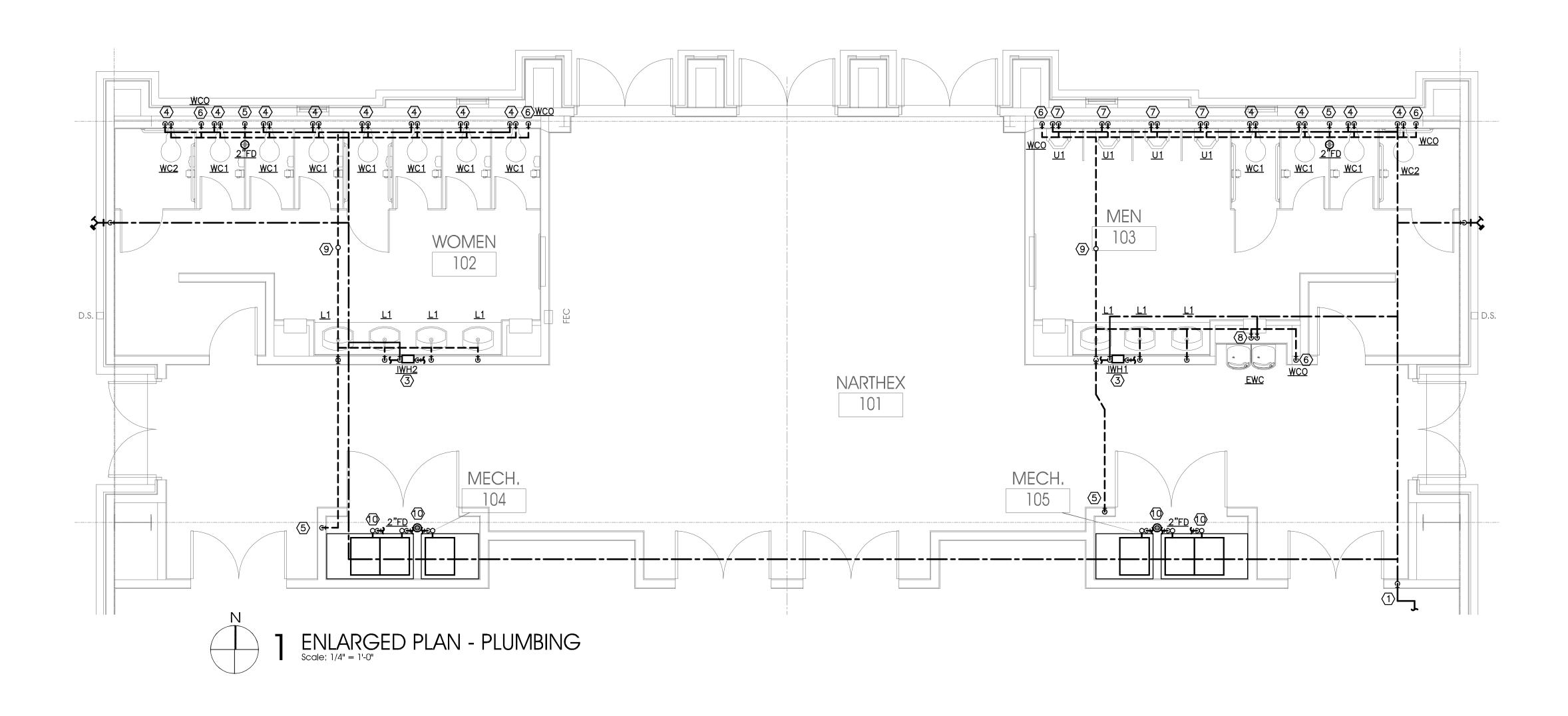
Project No.

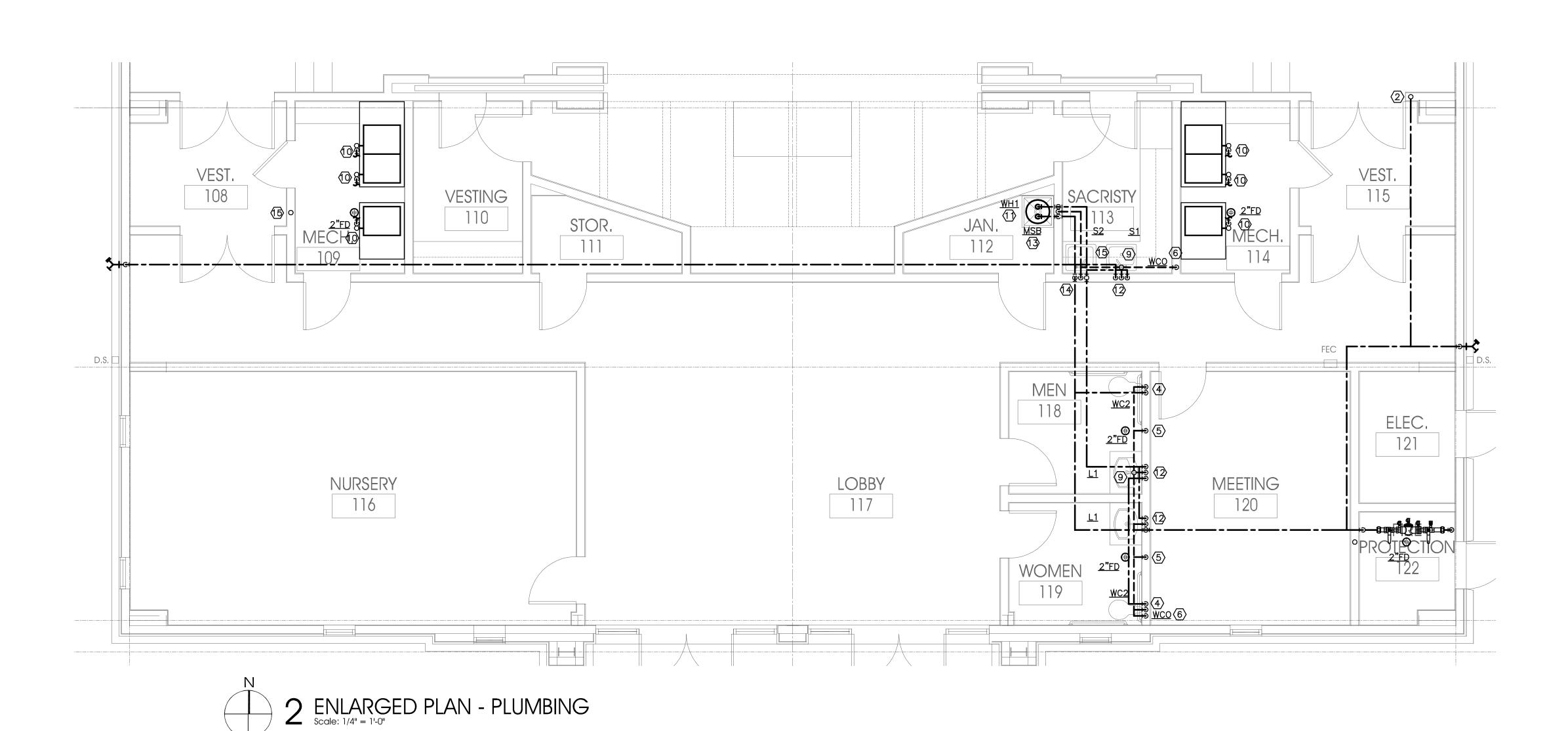
Date:

08/05/2024

Sheet No.

P3.1





## **GENERAL NOTES THIS SHEET**

- 1. REFER TO PO.1 FOR ADDITIONAL INSTRUCTIONS.
- 2. COORDINATE ALL PLUMBING WITH OWNER/ARCHITECT PRIOR TO PURCHASING THE FIXTURE.

## NOTES BY SYMBOL "1"

- 2-INCH COLD WATER REFER TO P2.1 FOR CONTINUATION, OFFSET AND TURN DOWN IN WALL TO ABOVE LOWER CEILING AS SHOWN.
- 2 2-INCH COLD WATER UP TO HIGH CEILING REFER TO P2.1 FOR CONTINUATION.
- 3 1/2-INCH COLD WATER TO IWH AND EACH LAVATORY; ROUTE 1/2-INCH HOT WATER IN WALL TO EACH LAVATORY. REFER TO DETAIL 4/P3.1 FOR ADDITIONAL INSTRUCTIONS. 2-INCH WASTE, 1 1/2-INCH VENT UP FROM EACH LAVATORY.
- 4 1 1/2-INCH COLD WATER TO PLUMBING FIXTURE; 2-INCH VENT FROM BELOW.
- (5) 2-INCH VENT FROM BELOW.
- 6 2-INCH WASTE DOWN, 2-INCH VENT UP WITH CLEAN-OUT AT BASE OF RISER.
- (7) 3/4-INCH COLD WATER TO PLUMBING FIXTURE; 2-INCH WASTE DOWN, 2-INCH VENT UP.
- (8) 1/2-INCH COLD WATER TO PLUMBING FIXTURE; 1 1/2 VENT UP, 2-INCH WASTE DOWN.
- (9) 3-INCH VENT THROUGH ROOF.
- 3/4-INCH COLD CONDENSATE FROM AHU TO DRAIN INDIRECTLY AT FLOOR DRAIN. REFER TO DETAIL 4/P4.1 FOR ADDITIONAL INSTRUCTIONS.
- 3/4-INCH COLD WATER TO AND 3/4-INCH HOT WATER FROM WATER HEATER. REFER TO 1/P4.1 FOR ADDITIONAL INSTRUCTIONS.
- 1/2-INCH HOT AND COLD WATER TO PLUMBING FIXTURE; 2-INCH WASTE DOWN, 1 1/2-INCH VENT UP.
- 3/4-INCH HOT AND COLD WATER DOWN TO PLUMBING FIXTURE; 2-INCH VENT FROM BELOW.
- 1/2-INCH COLD WATER TO PLUMBING FIXTURE; 1 1/2 VENT UP, 2-INCH WASTE DOWN. INSTALL SACRARIUM SINK WITHOUT P-TRAP DRAIN DIRECT TO EARTH.
- (5) 2-INCH VENT FROM BELOW AND UP THROUGH ROOF.

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SAINT TERESA
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CONSTRUCTION DOCUMENTS

Drawing Title:								
E	ENLARGRED PLANS PLUMBING							
Project No.		Date:						
240	3	08/05/2024						
		Sheet No.						
		P3.2						

Rene' A. Culross Rene' A. Culross, P.E., PLLC

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8' 0 8' 16'

1/8"=1'-0"

8' 5/2024

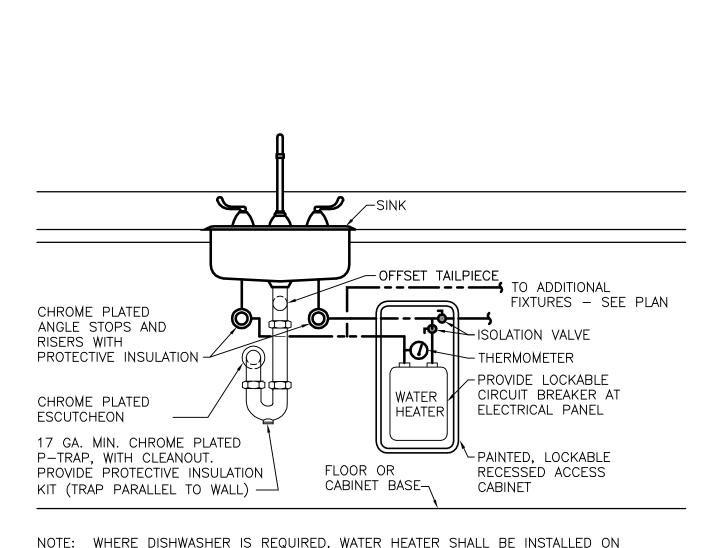
RENÉ A. CULROSS

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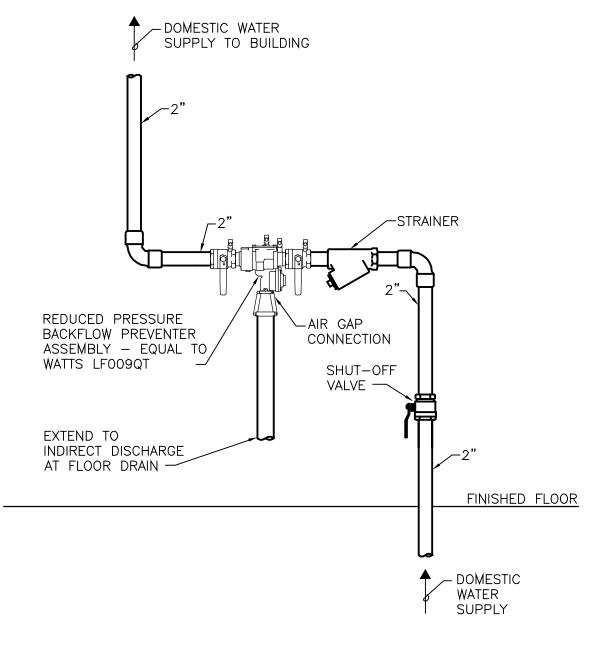
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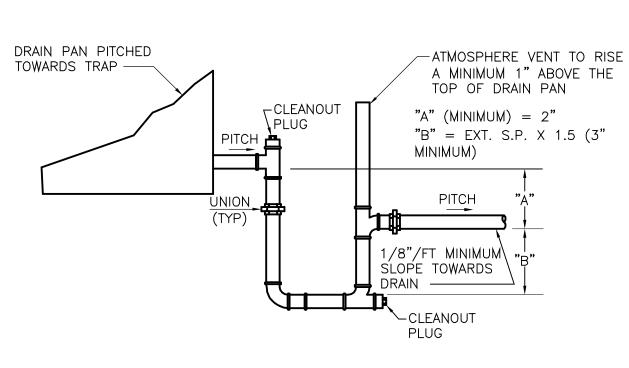


NOTE: WHERE DISHWASHER IS REQUIRED, WATER HEATER SHALL BE INSTALLED ON OPPOSITE SIDE OF SINK (FROM DISHWASHER).

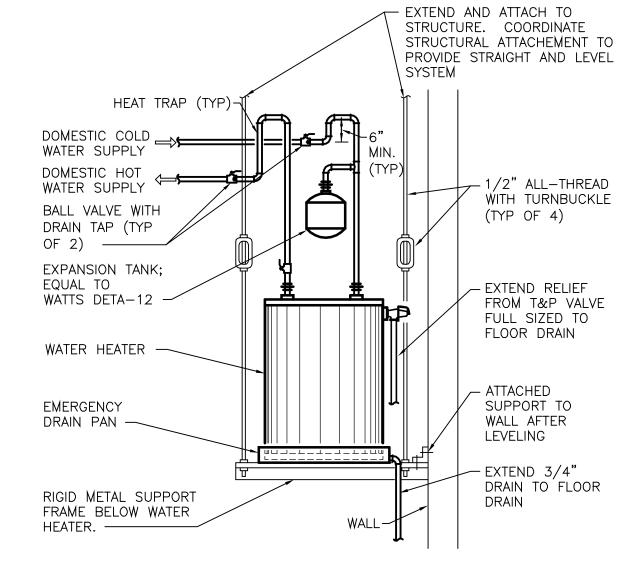
4 INSTANTANEOUS WATER HEATER UNDER SINK SCALE: NO SCALE



3 DOMESTIC WATER SERVICE ENTRANCE
SCALE: NO SCALE

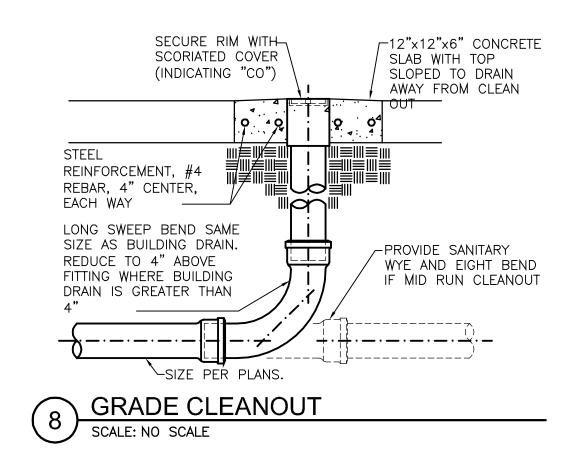


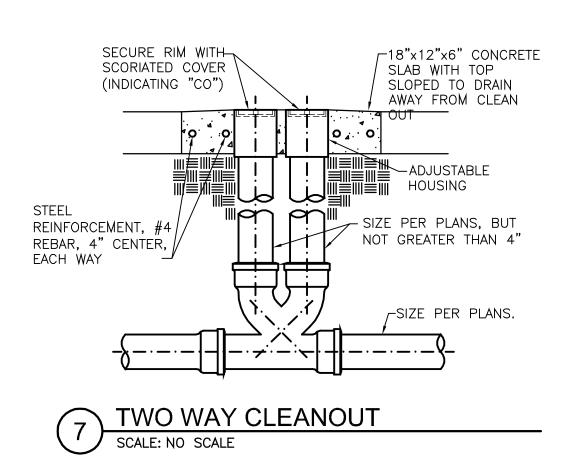
2 CONDENSATE DRAINAGE
SCALE: NO SCALE

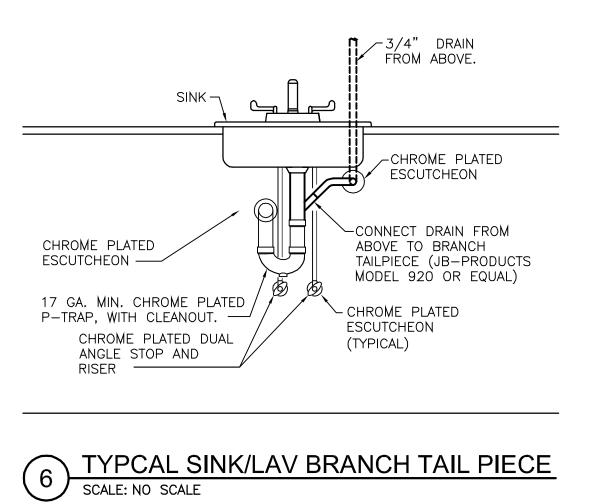


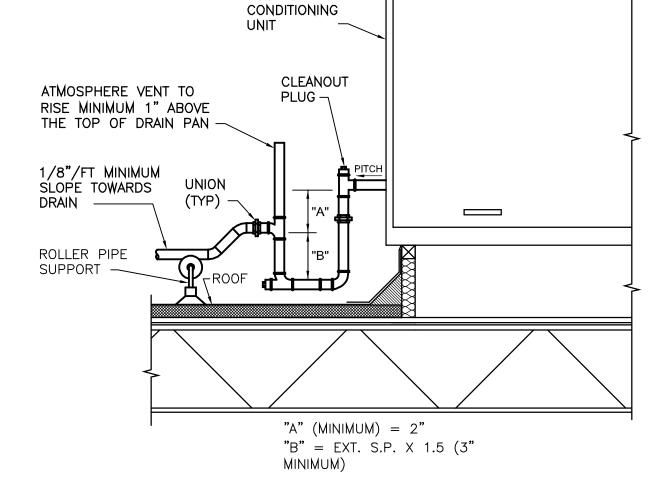
SUSPENDED WATER HEATER SCALE: NO SCALE

ROOFTOP AIR



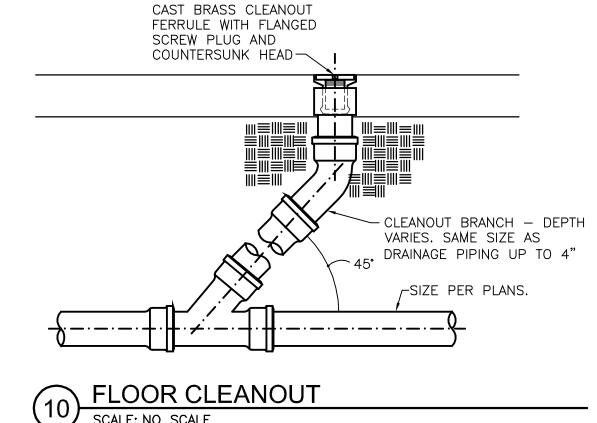




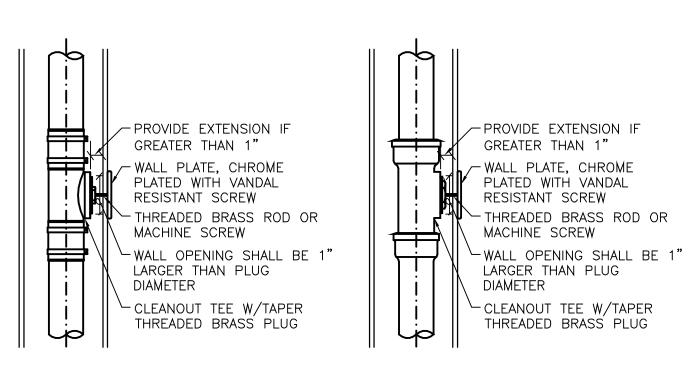


5 ROOFTOP UNIT CONDENSATE DRAINAGE (ALT)

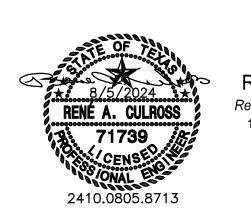
SCALE: NO SCALE







WALL CLEANOUT SCALE: NO SCALE



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SAINT TERESA OF CALCUTTA CATHOLIC CHURCH

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CONSTRUCTION **DOCUMENTS** 

Drawing Title: PLUMBING DETAILS Project No. 08/05/2024 Sheet No.