

Invitation for Bids

**Leahi Hospital Bathroom Renovation
23L-0477**

The Hawaii Health Systems Corporation (HHSC) Oahu Region is requesting bids from qualified companies for the bathroom renovation in the Sinclair Building at Leahi Hospital located at 3675 Kilauea Ave., Honolulu, HI 96816.

The IFB may be obtained electronically from the following website:

<http://leahi.hhsc.org/procurement/notices/>

A site visit is scheduled for May 15, 2024 at 10:30 a.m. All interested companies shall meet in the Leahi Hospital Parking Lot entrance area. The deadline for submission of written/mailed questions pertaining to the IFB is May 23, 2024.

All bids must be received by HHSC by June 5, 2024, 2:00 p.m. Hawaii Standard Time. All bids shall be sent digitally to skawai@hhsc.org. E-mail bids not received by deadline will be disqualified for consideration. No exceptions will be made even if network provider or software (e.g. MS Outlook) delays delivery. Please note that large files (>10MB) may experience network delivery issues.

Addenda to the IFB will be posted on the website listed above.

For any inquiries, please contact Scott Kawai, Oahu Region Contracts Department, at (808) 832-3025 or by email at skawai@hhsc.org.

Leahi Hospital
3675 Kilauea Ave.
Honolulu, HI 96816

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SECTION 1
ADMINISTRATION

1.0 INTRODUCTION

This Invitation for Bid (hereinafter “IFB”) is issued by the Hawaii Health Systems Corporation (hereinafter “HHSC”), a public body corporate and politic and an instrumentality and agency of the State of Hawaii. All procedures and processes will be in accordance with HHSC Oahu Region policy and procedures.

In order for HHSC to accept Bidder’s response in a timely manner, please thoroughly read this IFB and follow instructions as presented.

1.1 IFB TIMETABLE AS FOLLOWS

The timetable as presented represents HHSC’s best estimated schedule. If an activity of the timetable, such as “Closing Date for Receipt of Bids” is delayed, the rest of the timetable dates may be modified. BIDDER will be advised, by addendum to the IFB, of any such modifications to the timetable. Contract start date will be subject to the issuance of a Notice to Proceed.

ACTIVITY		SCHEDULED DATES
1.	IFB Public Announcement	May 9, 2024
2.	Pre-Bid Orientation Leahi Hospital parking lot entrance 10:30 a.m.	May 15, 2024
3.	Closing Date for Receipt of Questions	May 23, 2024
4.	Closing Date for Receipt of Bids 2:00 p.m.	June 5, 2024
5.	Contractor Selection/Award Notification (on/about)	June 6, 2024
6.	Contract Start Date (on/about)	June 20, 2024

1.2 AUTHORITY

This IFB is issued following the provisions of Chapter 323F, Hawaii Revised Statutes (HRS), and its administrative rules. All BIDDERS are charged with presumptive knowledge of all requirements of the cited authorities. Submission of a valid executed bid by any BIDDER shall constitute admission of such knowledge on the part of such BIDDER.

1.2.1 IFB ORGANIZATION

This IFB is organized into four sections:

SECTION 1: ADMINISTRATIVE
Provides information regarding administrative requirements.

SECTION 2: SCOPE OF SERVICES
Provides a detailed description of goods and/or services to be provided and delineates HHSC and CONTRACTOR responsibilities.

SECTION 3: BID FORMS AND GENERAL CONDITIONS
Describes the required format and content for submission of the bid.

SECTION 4: BID EVALUATION AND AWARD
Describes how bids will be evaluation and procedures for selection and award of contract.

1.3 HEAD OF PURCHASING AGENCY (HOPA)

The HOPA for HHSC, or designee, is authorized to execute any and all Agreements (Contracts), resulting from this IFB.

The HOPA for this IFB is:

Derek Akiyoshi
Regional Chief Executive Officer
Hawaii Health Systems Corporation

1.4 DESIGNATED OFFICIALS

The officials identified in the following paragraphs have been designated by the HOPA as HHSC's procurement officials responsible for execution of this IFB, award of Agreement and coordination of CONTRACTOR's satisfactory completion of contract requirements.

1.4.1 ISSUING OFFICER

The Issuing Officer is responsible for administrating/facilitating all requirements of the IFB solicitation process and is the **sole point of contact** for BIDDER from date of public announcement of the IFB until the selection of the successful BIDDER. The Issuing Officer will also be responsible for **contractual actions** throughout the term of the contract. For purposes of this IFB, the designated Issuing Officer is:

Scott Kawai
Director of Contracts and Project Management
e-mail: skawai@hhsc.org
phone: (808) 832-3025

1.5.1 CHARTER

HHSC is a public body corporate and politic and an instrumentality and agency of the State of Hawaii. HHSC is administratively attached to the Department of Health, State of Hawaii and was created by the legislature with passage of Act 262, Session Laws of the State of Hawaii 1996. Act 262 affirms the State's commitment to provide quality health care for the people in the State of Hawaii, including those served by small rural facilities.

1.5.2 STRUCTURE AND SERVICES

HHSC is organized into four operational regions and provides a broad range of healthcare services including acute, long term, rural and ambulatory health care services. As the fourth largest public health system in the country, HHSC is the largest provider of healthcare in the Islands, other than on Oahu. This solicitation is for the Oahu Region.

1.5.3 MISSION

The mission of HHSC is to provide and enhance accessible, comprehensive health care services that are quality-driven, customer-focused and cost-effective.

1.6 FACILITY INFORMATION

Detailed information pertaining to HHSC facilities is located at <http://www.hhsc.org>.

1.7 SUBMISSION OF QUESTIONS

Questions must be submitted in writing via electronic mail, facsimile or post mail to the Issuing Officer no later than the “Closing Date for Receipt of Questions”, identified in paragraph 1.1 in order to generate an official answer. All written questions will receive an official written response from HHSC and become addenda to the IFB.

IMPORTANT

BIDDER may request changes and/or propose alternate language to the HHSC General and Special Terms and Conditions (www.hhsc.org) during this phase only. All requests will be presented to the HHSC Legal Department for review. No requests to change the HHSC General or Special Terms and Conditions will be entertained after the bids have been submitted or during the contracting process. All written questions and/or approved changes will receive an official written response from HHSC and shall be recorded as addenda to the IFB.

HHSC reserves the right to reject or deny any request(s) made by BIDDER.

Responses by HHSC shall be due to the BIDDER prior to notice of award.

Impromptu, un-written questions are permitted and verbal answers will be provided during pre-bid conferences and other occasions, but are only intended as general direction and will not represent the official HHSC position. The only official position of HHSC is that which is stated in writing and issued in the IFB as addenda thereto.

No other means of communication, whether oral or written, shall be construed as a formal or official response/statement and may not be relied upon.

SEND QUESTIONS TO:

Scott Kawai, Issuing Officer
e-mail: skawai@hhsc.org

1.8 SOLICITATION REVIEW

BIDDER should carefully review this solicitation for defects and questionable or objectionable matter. Comments concerning defects and questionable or objectionable matter, **excluding requests to revise the General or Special Conditions**, must be made in writing and should be received by the Issuing Officer, no later than the “Closing Date for Receipt of Bids” as identified in Section 1.1. This will allow issuance of any necessary amendments to the IFB. It will also assist in preventing the opening of bids upon which award may not be made due to a defective solicitation package.

1.9 IFB AMENDMENTS

HHSC reserves the right to amend the IFB any time prior to the deadline date of the IFB. IFB Amendments will be in the form of addenda.

1.10 CANCELLATION OF IFB

The IFB may be canceled when it is determined to be in the best interests of HHSC.

1.11 PROTESTS

Any protest shall be submitted in writing to the HOPA as noted below.

A protest based upon the content of the solicitation shall be submitted in writing within five (5) working days **after** the aggrieved individual/business knows or should have known of the facts giving rise thereto; provided further that the protest shall not be considered unless it is submitted in writing prior to and not later than the “Closing Date for Receipt of Bid” identified in section 1.1.

A protest of an award or proposed award shall be submitted within five (5) working days after the posting of award of the contract. The notice of award, if any, resulting from this solicitation shall be posted at the following website:
<http://leahi.hhsc.org/procurement/notices/>

Any and all protests shall be submitted in writing to the HOPA, as follows:

Derek Akiyoshi
Hawaii Health Systems Corporation
Oahu Region
3675 Kilauea Avenue
Honolulu, Hawaii 96816

1.12 PERFORMANCE AND PAYMENT BOND

Performance and payment bonds shall be required for contracts \$25,000 and higher. At the time of the execution of the contract, the successful Bidder shall file good and sufficient performance and payment bonds, each in an amount equal to one hundred percent (100%) of the amount of the contract price unless otherwise stated in the solicitation of bids.

1.13 SPECIALTY CONTRACTOR’S LICENSE

A. Contractor shall be solely responsible to ensure that all specialty licenses required to perform the Work are covered by the Contractor and/or its subcontractor(s).

1.14 WORKING HOURS

- A. Regular working hours for this project shall take place between the hours of 8:00 AM to 4:30 PM Monday through Friday, excluding State Holidays, unless otherwise noted or restricted.
- B. The Contractor may be given approval to work beyond the regular hours including Saturdays, Sundays, State Holidays, night work, or after hours under the provisions of the GENERAL CONDITIONS.

1.15 SPECIAL PROCEDURES DURING BIDDING

- A. All bids shall be submitted to the Issuing Officer.
- B. All questions regarding the IFB shall be submitted, in writing, to the Issuing Officer, who shall review the questions and issue any responses via Addendum. Only information received by Addendum shall be binding.
- C. Any visitation to the site to examine the scope of work shall be requested through the HHSC Representative. Disruption of facility operations shall not be permitted.

SECTION 2
SCOPE OF SERVICES

2.0 INTRODUCTION

LEAHI HOSPITAL BATHROOM RENOVATION

Work for this project shall include, but is not limited to the demolition and renovation of the existing Sinclair Building restrooms, and miscellaneous work as indicated on the drawings.

2.1 CONTRACT PERIOD

The work shall be completed within 210 consecutive calendar days. The Contractor shall be assessed liquidated damages of \$500.00 per calendar day of delay for failure to complete the Work within the contract duration.

2.2 SCOPE OF SERVICES

A. The CONTRACTOR shall complete the work specified in the specifications and drawings in APPENDIX C.

B. Qualifications. The CONTRACTOR shall have:

1. A current and valid license to perform the scope of work.
2. Have been in business for the past three (3) consecutive years.
3. A permanent, on-island office location in conducting business which is accessible to telephone calls. An answering service is not acceptable.

C. HOSPITAL shall provide:

Technical Representatives who shall have the authority to oversee the successful completion of contract requirements, including monitoring, coordinating and assessing CONTRACTOR performance; placing requests for services; and, approving completed work/services with verification of same for CONTRACTOR's invoices. Technical Representatives will also serve as points of contact for "technical" matters throughout the term of the contract.

SECTION 3
Bid Forms and General Conditions

General Instructions for Completing Forms

- *Bids shall be submitted in the prescribed format outlined in this IFB*
- *No supplemental literature, brochures or other unsolicited information should be included in the bid packet.*
- *A written response is required for each item unless indicated otherwise.*

3.0 Bid Form

The bid form must be completed and submitted to HHSC by the required due date and time, and in the form prescribed by the HHSC. Facsimile transmissions shall not be accepted.

Interested bidders shall submit their bid under the interested bidder's exact legal name that is registered with the Department of Commerce and Consumer Affairs and shall indicate this exact legal name in the appropriate space on page 1 of the bid form. Failure to do so may delay proper execution of the Contract.

Interested bidders shall certify its ability to provide services on June 20, 2024 or upon execution of the Contract agreement by both parties. The Hospital reserves the right to apply liquidated damages for the delay in Contract execution on the part of the Contractor.

The interested bidder's authorized signature shall certify bid documents. If the Bid Form on Appendix A is unsigned the bid shall be automatically rejected.

The option to extend the Contract shall be at the sole discretion of the Hospital and determined to be in the best interests of the State.

3.1 Bid Security

All lump sum bids of \$25,000 and higher, or lump sum base bids including alternates of \$25,000 and higher, that are not accompanied by bid security are non-responsive.

- a. The bid security shall be in an amount equal to at least five percent (5%) of the lump sum bid or lump sum base bid including alternates or in an amount required by the terms of the federal funding, where applicable.

3.2 General Conditions

The State of Hawaii INTERIM GENERAL CONDITIONS, dated August 1999, and AMENDMENTS shall be read by the Contractor as they form a part of the Agreement to be entered into between the Contractor and HHSC. The Interim General Conditions are not physically included in these specifications, but are included by reference. Copies of the INTERIM GENERAL CONDITIONS may be obtained from the Division of Public works, Department of Accounting and General Services, State of Hawaii at the following website:
http://hawaii.gov/pwd/construction_bids/Members/qc/gen_cond_constr

The General Conditions are hereby amended as follows:

- a. The following terms specified in Section 1 are hereby defined:
 - i) Bidder shall have the same definition as Contractor.
 - ii) Comptroller shall be the Chief Financial Officer at HHSC or his authorized representative.
 - iii) Department shall be HHSC or its designee.
 - iv) Engineer shall be the person so designated by HHSC.
 - v) State shall be HHSC or its designee.
- b. Section 1.20 and 1.25 replace "State of Hawaii" with "State".
- c. The last two sentences of the third paragraph of Section 2.1.1.2, in the Interim General Conditions is deleted and is replaced with the following:

" If the notice is faxed, the time of receipt by the CEO's fax machine shall be official. The submittal of intention to bid via fax is acceptable only to this office."
- d. Section 2.1.2.1: second sentence is hereby deleted in its entirety.
- e. Last sentence of paragraph 2.1.2.3 of the Interim General Conditions is amended to read as follows:

"Failure to submit either the required tax clearance certificate or Bid Form will be sufficient grounds for HHSC to refuse to receive or consider the prospective bidder's proposal."
- f. The addresses specified in Section 2.6.1 of the Interim General Conditions shall be changed to Leahi Hospital 3675 Kilauea Avenue Honolulu Hawaii 96816.
- g. Sections 2.10 through 2.11 are hereby deleted in their entirety.
- h. Paragraph 3.8.1 of the Interim General Conditions is amended to read as follows:

"The contract shall be signed and forwarded to HHSC (Contracts Office), by the successful bidder all within three (3) days of receipt of the contract. The performance and payment bonds shall be received by HHSC (Contracts Office) within ten (10) calendar days after the bidders is awarded the contract. No proposal or contract shall be considered binding until the contract has been fully and properly executed by all parties thereto."
- i. In paragraph 3.9.2 of the Interim General Conditions, "ten (10) calendar days after such award or within such further time as the Comptroller may allow" shall be replaced with, "the time allowed in the previous section."
- j. Section 4.1: the words "accepted bid" is deleted from the first sentence.
- k. Section 4.9.3: the words "submission of bids" is replaced with the words "execution of this contract".
- l. Section 5.5: the last sentence is hereby deleted in its entirety and replaced with the following:

“In the event of conflict among the Contract Documents, the order of precedence is listed in paragraph 5 of this contract and is further detailed in the following subparagraphs:”

- m. Sections 5.5.1 and 5.5.2 are hereby deleted in their entirety.
- n. Section 5.8.1: “twenty-four (24)” is hereby changed to “three (3)”.
- o. Section 5.11 is hereby deleted in its entirety.
- p. Section 5.12.4 is hereby deleted in its entirety.
- q. Section 7.3.7.4, subparagraphs a and b: Replace “If the project falls within the State University System, The University of Hawaii” with “HHSC.”
- r. Section 7.4.1 is hereby deleted in its entirety and replaced with the following:

“The Contractor shall prepare, process, obtain, and pay for all permits necessary for the proper execution of the work.”
- s. Section 7.7.2 is amended to read as follows: “The wage rate schedule is attached to this contract.”
- t. Sections 7.14.2, 7.19.2, and 7.19.4: delete “Departments and Agencies and their” and insert “directors” between “officers” and “representatives”.
- u. Section 7.14.4 is hereby added and reads as follows:

“Contractor warrants that it and none of its employees, agents or subcontractors performing services or providing goods pursuant to this Agreement are excluded from participation in federal health care programs, as defined in the Social Security Act (section 1128 and 1128A), and other federal laws and regulations relating to health care. HHSC reserves the right to verify that the above warranty is true and to immediately cancel this Agreement in the event it is violated.”
- v. Section 7.15 delete “and its Departments and Agencies”.
- w. Section 7.21.8.6 — Delete the word “bad” before the words “weather day conditions.”
- x. Section 7.35.1: the last word “earlier” is changed to “later”.

3. CORPORATE COMPLIANCE PROGRAM. A description of the Corporate Compliance Program of HHSC is posted on the HHSC Internet (www.hhsc.org). The CONTRACTOR, by signing this contract, acknowledges that it has read said description, and that the CONTRACTOR knows of the fact and substance of the Corporate Compliance Program, which governs operations at all facilities of the HHSC. The CONTRACTOR understands and agrees that employees, agents, and contractors performing any services at any of the HHSC facilities shall be fully subject to such Corporate Compliance Program, as may be amended from time to time, as well as all federal program requirements and applicable policies and procedures of HHSC and its facilities. The Corporate Compliance Program requires periodic training, including an orientation program, of all people who provide financial, business office, personnel, coding, medical records information systems and clinical services in the facility. The CONTRACTOR agrees to cause its employees, agents, and contractors who provide any services at any financial, business office, personnel, coding, medical records information systems and clinical services at any of the HHSC facilities to participate in the orientation and training programs.

4. CONFIDENTIAL INFORMATION. It is acknowledged and agreed that all of the trade secrets, business plans, marketing plans, know how, data, contracts, documents, scientific and medical concepts, billing records, personnel records, medical records of any kind, and referral resources for existing or future services, products, operations, management, business, pricing, financial status, valuations, business plans, goals, strategies, objectives and agreements of HHSC and any of its facilities, affiliates or subsidiaries, and all patient information, in any form, whether written, verbal, or electronic, are confidential (“Confidential Information”); provided, however, that Confidential Information, with the exception of patient information, shall not include information that is in the public domain.
5. CONTRACTOR EXCLUSION FROM FEDERAL PROGRAMS. CONTRACTOR warrants that it and none of its employees, agents or subcontractors performing services or providing goods pursuant to this Agreement are excluded from participation in federal health care programs, as defined in the Social Security Act (section 1128 and 1128A), and other federal laws and regulations relating to health care. HHSC reserves the right to verify that the above warranty is true and to immediately cancel this Agreement in the event it is violated.
6. CAMPAIGN CONTRIBUTIONS BY STATE AND COUNTY CONTRACTORS. CONTRACTORS are hereby notified of the applicability of Section 11-205.5, HRS, which states that campaign contributions are prohibited from specified State or county government contractors during the term of the contract if the contractors are paid with funds appropriated by a legislative body. For more information, please consult with the Campaign Spending Commission, or visit its website, www.hawaii.gov/campaign.

(END OF SECTION)

SECTION 4
BID EVALUATION AND AWARD

4.0 Bid Evaluation

Each bid offer will be reviewed for exact conformity of the requirements in the IFB, known as a responsible bid. Information provided in/with the bid offer will be used to determine whether the interested bidder has the technical and financial capacity to deliver the goods or services, known as a responsive bid.

4.1 Method of Award

- A. The contract will be awarded to the lowest responsive and responsible Bidder whose bid (including any alternates which may be selected) meets the requirements and criteria set forth in the solicitation documents.
- B. In the event the total lump sum bid of all bidders exceeds the project control budget, HHSC reserves the right to make an award to the apparent Low Bidder if additional funds are available or by reducing the scope of work through negotiation.

4.2 Contract Execution

Upon receipt of the Contract document, the CONTRACTOR shall have ten (10) business days to execute and return the Contract to the Issuing Officer. Explicit execution instructions will accompany the Contract. A copy of the fully executed Contract will be provided the CONTRACTOR within seven (7) business days of Contract execution.

Award of Contract may be withdrawn if the CONTRACTOR is unable to meet Contract execution requirements.

(END OF SECTION)

SAMPLE BID TRANSMITTAL COVER LETTER

Dear Mr. Kawai,

(Name of Business) proposes to provide any and all goods and services as set forth in the “Invitation for Bid” for Leahi Hospital Bathroom Renovation IFB No. 23L-0477, for which fees/costs have been set. The fees/costs offered herein shall apply from XXX, 2024 to XXX, 2025.

It is understood and agreed that (Name of Business) have read HHSC’s Scope of Services described in the IFB and that this bid is made in accordance with the provisions of such Scope of Services. By signing this bid, (Name of Business) guarantee and certify that all items included in this bid meet or exceed any and all such Scope of Services. (Name of Business) agree, if awarded the contract, to provide the goods and services set forth in the IFB; and comply with all terms and conditions indicated in the IFB; and at the fees/costs set forth in this bid. The following individual(s) may be contacted regarding this bid: _____

Other information:

Address:		Federal Tax ID #:	
Phone No.:		Hawaii GET ID #:	
E-mail address:			

(Name of Business) is a: Sole Proprietor Partnership Corporation Joint Venture Other (Specify) _____

State of Incorporation is: (Specify) _____

Year of Business started: _____

The exact legal name of the business under which the contract, if awarded, shall be executed is: _____

(Authorized Bidder’s Signature, Printed Name/Title; Corporate Seal or Notarized)

IFB No. 23L-0477
Leahi Hospital Bathroom Renovation

BID FORM

After carefully examining the bid documents, drawings and specifications identified above, the Bidder proposes to furnish at its own expense all necessary labor, materials, tools and equipment to complete the work according to the true intent and meaning of the drawings and specifications, all for the Lump Sum Base Bid of:

_____ DOLLARS (\$ _____)

(Schedule of Values must be submitted with the Bid).

Respectfully Submitted:

Signature / Printed Name

Date

Title

OTHER CONDITIONS

1. Bidder agrees to liquidated damages as specified.
2. By submitting this proposal, the Bidder is declaring that its firm has not been assisted or represented on this matter by an individual who has, in a County capacity, been involved in the subject matter of this contract in the past two years;
3. Anti-collusion certification. In accordance with HAR 3-122-192, by submitting this proposal, the Bidder is declaring that the price submitted is independently arrived at without collusion.
4. Certification for Safety and Health Program for bids in excess of \$100,000. In accordance with HRS 396-18, the Bidder certifies that its organization will have a written safety and health plan for this project that will be available and implemented by the Notice to Proceed date of this project. Details of the requirements of this plan may be obtained from the Department of Labor and Industrial Relations, Occupational Safety and Health Division (HIOSH); and
5. Upon the acceptance of the proposal by the HHSC, the Bidder must enter into and execute a contract for the same and furnish a Performance and Payment bond, as required by law.

RECEIPT OF ADDENDA

Receipt of the following addenda issued by HHSC is acknowledged by the date (s) of receipt indicated below:

Addendum No. 1 _____
Date

Addendum No. 3 _____

Addendum No. 2 _____

Addendum No. 4 _____

It is understood that failure to receive any such addendum shall not relieve the Bidder from any obligation under this Proposal as submitted.

ALL JOINT CONTRACTORS OR SUBCONTRACTORS TO BE ENGAGED ON THIS PROJECT

The Bidder certifies that the following is a complete listing of all joint contractors or subcontractors covered under Chapter 444, Hawaii Revised Statutes, who will be engaged by the Bidder on this project to perform the nature and scope of work indicated and understands that failure to comply with this requirement may be just cause for rejection of the bid.

The Bidder further understands that only those joint contractors or subcontractors listed shall be allowed to perform work on this project and that all other work necessary shall be performed by the Bidder with his own employees. If no joint contractor or subcontractor is listed, it shall be construed that all of the work shall be performed by the Bidder with its own employees.

The Bidder must be sure that it has and that the subcontractor(s) listed in the proposal have all the necessary specialty licenses needed to perform the work for this project. The Bidder shall be solely responsible for assuring that all the specialty licenses required to perform the work are covered in its bid.

The Bidder shall include the license number of the joint contractors or subcontractors listed below. Failure to provide the correct names and license numbers as registered with the Contractor's Licensing Board may cause rejection of the bid submitted.

Complete Firm Name Joint Contractor or Subcontractor for <u>Lump Sum Base Bid</u>	<u>License Number</u>	<u>Nature and Scope of Work to be Performed</u>

Enclosed herewith:

- 1. Surety Bond (*1))
 - 2. Legal Tender (*2))
 - 3. Cashier's Check (*3))
 - 4. Certified Check (*3))
- (Cross Out Those Not Applicable)

in the amount of:

_____ DOLLARS (\$_____).

as required by law.

Respectfully submitted,

Name of Company, Joint Venture or Partnership

License

By _____
Signature (*4)

Title _____

Date: _____

(CORPORATE SEAL)
(*5)

NOTES:

1. Surety bond underwritten by a company licensed to issue bonds in this State;
2. Legal tender; or
3. A cashier's or a certified check accepted by, and payable on demand to the HHSC by a bank, a savings institution, or credit union insured by the Federal Deposit Insurance Corporation.
 - a. These instruments may be utilized only to a maximum of \$100,000.
 - b. If the required security or bond amount totals over \$100,000, more than one instrument not exceeding \$100,000 each and issued by different financial institutions shall be accepted.
4. Please attach to this page evidence of the authority of this officer to submit bids on behalf of the Company, and also the names and residence addresses of all officers of the Company.
5. Fill in all blank spaces with information asked for or bid may be invalidated. PROPOSAL MUST BE INTACT. MISSING PAGES MAY INVALIDATE YOUR BID.

END OF BID FORM

APPENDIX C

S P E C I F I C A T I O N S

FOR

LEAHI BATHROOM RENOVATION

REQUIRED FOR

LEAHI HOSPITAL,

BATHROOM RENOVATION

3675 KILAUEA AVE.
HONOLULU, OAHU, HAWAII

TMK: 3-2-031: 001

FOR THE

HAWAII HEALTH SYSTEMS CORPORATION (HHSC)

STATE OF HAWAII

ARCHITECT: ARTHUR Y. MORI & ASSOCIATES, INC.
MECHANICAL ENGINEER: MECHANICAL ENTERPRISES, INC.
ELECTRICAL ENGINEER: BENNETT ENGINEER, INC

MARCH 2024

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SECTION 1B - SPECIAL PROVISIONS

PART 1 – GENERAL REQUIREMENTS

General Conditions of the Contract for Construction is hereby made a part of this section.

PART 2 – SCOPE

The work included in this contract consists of the furnishing of all labor, materials, services, and incidentals except those items specifically shown, noted, or specified as Not-in-Contract (NIC) or Owner-furnished Contractor-installed (OFCI).

PART 3 – REJECTION OF BIDS

The Owner reserves the right to waive any informality or to accept and/or reject all bids received. The contract will not necessarily be awarded on the low bid. The Owner reserves the right to evaluate each proposal as to meeting his requirements and to award the contract accordingly.

PART 4 – SEQUENCE OF WORK

It is imperative that a certain order of operations be maintained through the course of the work and that the project be scheduled and closely coordinated for maximum overall progress and minimum disruption to services of the hospital. This sequence of work is not all-inclusive, but rather a general outline, and is not intended to restrict the procedure of any work which can be done without interfering with the basic plan outlined herein. There shall be complete cooperation in scheduling between this Contractor, the Owner and other contractors or subcontractors who may be engaged on the overall project with necessary adjustments as work proceeds.

PART 5 – RESPONSIBILITY OF BIDDER TO STUDY PROJECT SITE

Before submitting a proposal, the bidder shall:

- A. Carefully examine the drawings and specifications.
- B. Visit the site of the work and fully inform himself of the existing conditions and limitations.
- C. Rely entirely upon his own findings, information and judgement in preparing his proposal, and include in his price a sum sufficient to cover all items required by this contract.

PART 6 – PARKING AND LOADING

Contractor shall arrange for parking and loading locations with Leahi Hospital (LH).

PART 7 – MANNER OF CONDUCTING THE WORK

The work must be accomplished in such a manner as to cause the least interference with operation of other tenants.

If for any reason, utilities must be interrupted for a short period of time, prior arrangement (24 hours) must be made with LH Facilities.

Contact: Mr. Mitsuji (Mits) Yamamoto, Building Maintenance Supervisor.

E-mail: miyamamoto@hhsc.org

Phone: (808) 450-5722.

PART 8 – CONTRACTOR'S WORK AREA

Contractor shall confine all work, deliveries, material storage, etc., to work area unless previously arranged otherwise with LH Facilities.

PART 9 – MEASUREMENTS

All dimensions shown of existing work and all dimensions required for work that is to connect with work now in place shall be verified by the Contractor by actual measurements of the existing work. Any discrepancies between the drawings and specifications and the existing conditions shall be referred to the Architect.

PART 10 – SAFETY AND DUST BARRICADES (INTERIOR ONLY)

Contractor shall set up temporary drywall "dust-proof" safety and dust barriers as necessary to contain dust and debris to work area. In addition, negative air pressure within the limits of construction shall be maintained at all times.

Temporary drywall "dust-proof" safety and dust barriers to receive one coat primer and one coat semi-gloss paint. Color to be antique white. Vertical joints between sheets of drywall shall be sealed with masking tape prior to painting. Taping, mudding and sanding of vertical joints is not required.

PART 11 – PROTECTION OF EXISTING FINISHES

Existing walls, ceilings, flooring and finishes shall be protected from damage during renovation. Contractor shall be responsible for the repair, replacement or clean-up of all existing surfaces damaged by him or his subcontractors.

PART 12 – UNNECESSARY NOISE

The Contractor is cautioned about unnecessary noise because of the location of the work. Should the owner so require, do work requiring the use of compressors, air hammers or other noisy tools at times approved by LH Facilities. Drill new openings through floors, walls and ceilings of the existing building and other areas not vacated during construction with high speed rotary drilling equipment, not equipment operated by hammer blows. Notification/scheduling of LH Facilities is especially critical where plans call for cutting of concrete walls as noise and vibration will travel to other floors.

PART 13 – SUBSTITUTIONS

Architect's approval of substitution shall not relieve Contractor of responsibility for interfacing to other parts of the work, nor from guarantees and maintenance provisions as originally specified, nor at his own expense to make any necessary changes due to the substitution. It is not the intent of these specifications to exclude or omit the products of any responsible manufacturer, if such products are equal in every respect including serviceability to those mentioned herein. If the contractor desires to use any other brand or manufacturer of equal quality to that specified, he shall make application to the Architect in writing. It is the contractor's responsibility to support any request for approval of substitution. The Architect will then determine whether or not the named brand or article is equal in quality and utility to that specified, and his decision shall be final.

PART 14 – ON-SITE SUPERVISION

Contractor to have project engineer or superintendent on site at all times during the duration of construction. He/she shall be the sole contact between Owner and the Contractor's sub-contractors/tradesmen. He/she shall attend project status meetings and present updated project schedules. He/she will also be responsible for filling in LH supplied "Interim Life Safety" Forms every week during the duration of construction.

PART 15 – BUILDING PERMIT FEE

Not applicable.

PART 16 – CONTRACTOR WORK RULES

- A. All persons working in the construction site must wear an identification badge which is provided by the contractor.
- B. Workers are permitted to purchase lunch from the hospital cafeteria but cannot eat in the Cafeteria.
- C. Patient confidentiality and privacy must be respected at all times.
- D. Observe courtesy at all times when transporting tools and materials.
- E. MSDS sheets must be available for all products used.
- F. Generally, work is allowed from 0700 – 1600. All other work must be cleared through Mr. Mits Yamamoto or project liaison.
- G. Wet walk-off mats are expected at all entrances and exits to your construction site. You must wipe your feet when leaving the construction site. Any dust outside of the construction site must be cleaned immediately.
- H. Use only the entrances and exits designated for your construction project.
- I. Any noisy work must be coordinated through Mr. Mits Yamamoto or project liaison. Any warnings specified on advanced notice must be respected.
- J. No smoking on campus, except in the designated area.
- K. Any shutdowns must be coordinated with Mr. Mits Yamamoto or project liaison.
- L. Any penetrations in the firewall must be sealed with approved fire stop material.
- M. Hot work permits need to be acquired from LH Facilities.
- N. A clean and OSHA safe job site is a must.
- O. You will work with the LH Security on construction site security. A key to the construction site entry way must be given to Security immediately.
- P. Demo disposal routes and times must be worked out with LH Facilities and Security.
- Q. LH Security is obligated to do multiple daily safety inspections. Anything they find wrong must be dealt with immediately.
- R. Please remember no tools and ladders should be left unattended at any time.
- S. No profanity and radios allowed on site.
- T. You must have proper signage hung in visible locations.
- U. Properly inspected and tagged fire extinguisher must be hung at the entry way to the construction site. Please hang fire extinguisher on the knob side of the door and not the hinged side. Extinguisher will be provided by the contractor.

- V. Use only fire retardant material for your barricade. All/any barricades erected must prevent dust penetration. All barricades should go from ceiling to floor and side to side.
- W. Entry door to construction area must have positive latching.
- X. HEPA filter units must be used and filters changed regularly. These are to be provided by Contractor as needed.
- Y. Negative air pressure must be accomplished at barricade doors.
- Z. FOCUS ON YOUR JOB.

END OF SECTION

SECTION 1D – COORDINATION

PART 1 – GENERAL

1.01 COORDINATION REQUIREMENTS

- A. Provide project interface and coordination as required to properly and accurately bring together the several parts, components, systems, and assemblies and as required to complete the work and the project, pursuant to the General Provisions. General Contractor and Subcontractors shall cooperate with others engaged on the premises as may be necessary to facilitate progress and to provide coordination and integration of the entire work.
- B. Provide interface and coordination of all trades, crafts, and subcontracts as required to provide correct and accurate connection of abutting, adjoining, overlapping, and related work, and provide all anchors, fasteners, accessories, appurtenances, and incidental items as required to complete the work properly, fully, and correctly in accordance with the Contract Documents.
- C. Provide additional structural components, bracing, blocking, miscellaneous metal, backing, anchors, fasteners, and installation accessories required to properly anchor, fasten, or attach materials, equipment, hardware, systems and assemblies to the structure.
- D. Provide sealing complete and as required to insulate acoustically. Include sealing, and elated work as required to prevent air infiltration and light leakage.
- E. Equipment, appliances, fixtures, hardware, and systems requiring plumbing and mechanical services, rough-in, and connections, or other utilities and services, shall be provided with such services, rough-in, and final connections.
- F. Equipment, appliances, fixtures, hardware, and systems requiring electrical services shall be provided with such electrical services, including outlets, switches, overload protection, interlocks, panelboard space, disconnects, circuit breakers, and connections.
- G. Materials, equipment, component parts, accessories, incidental items, connections, and services required to complete the work which are not provided by subcontractors shall be provided by the Contractor.
- H. All Owner furnished, Contractor Installed items not set in place by others, will be delivered to the ground floor level of project. Contractor shall be responsible for transporting these items to their final installed locations.

1.02 WORK SEQUENCE

- A. The Contractor shall coordinate and provide proper notices and consult with the Building Maintenance Supervisor regarding any temporary disconnections of electrical and other utility lines which may impact Leahi Hospital and departments in adjacent spaces.

1.03 PROJECT MEETINGS

- A. The General Contractor will schedule and administer all project meetings throughout the progress of the work including pre-construction meetings. Those in attendance shall include: Job superintendent, major subcontractors and suppliers, Owner and Architect as appropriate to agenda topics for each meeting.

1.04 FIELD MEASUREMENTS AND TEMPLATES

- A. Contractor shall obtain all field measurements required for the accurate fabrication and installation of the work included in this Contract. Exact measurements are the Contractor's responsibility.
- B. Contractor shall also furnish or obtain templates, patterns, and setting instructions as required for the installation of all work. All dimensions shall be verified in the field.

1.05 CONTRACTOR'S RESPONSIBILITIES

- A. The General Contractor shall be in charge of this Contract and the site, as well as the directing and scheduling of all work.
- B. Final responsibility for performance, interface, and completion of the work and the project shall be the Contractor's.
- C. After hour call back and/or emergency: The Contractor shall provide the Owner and Architect with a 24-hour emergency phone number where he can be contacted in the event of an emergency. He shall respond and take corrective action (within 4 hours) to calls made by the Owner or Architect regarding safety and/or hazardous situations directly related to his work. If the Contractor fails to respond or take proper corrective action, he shall be responsible for all costs incurred.

1.06 JOB SITE ADMINISTRATION

- A. Shall be the responsibility of the General Contractor.

END OF SECTION

SECTION 1C – SUMMARY OF WORK

PART 1 - GENERAL

1.01 SUMMARY OF PROJECT

- A. The work to be done shall include performing all operations and furnishing all equipment, fixtures, appliances, tools, materials and labor necessary to execute, complete and deliver all of the work and related items required for the project as called for on the drawings and as hereinafter specified.
- B. Contractor shall visit the job site and make certain that he understands the extent of the work before he submits a formal bid.

1.02 CODES AND ORDINANCES

The Contractor shall comply with all Federal, State and Local laws, ordinances, rules and regulations pertaining to the project and shall obtain and pay for all permits, licenses and certificates and publish or post all notices required.

1.03 SPECIFICATION LANGUAGE

These Specifications are written in imperative and abbreviated form. This imperative language of the technical sections is directed at the Contractor, unless specifically noted otherwise. Incomplete sentences shall be completed by inserting "shall," "the Contractor shall," and "shall be," and similar mandatory phrases by inference in the same manner as they are applied to notes on the drawings. Except as worded to the contrary, perform all indicated requirements whether stated imperatively or otherwise.

1.04 DEFINITIONS

The following words and terms used in these Specifications are defined as follows:

- A. Approved: As accepted by the Architect.
- B. Approved equal: As accepted by the Architect as being of equivalent quality, utility, and appearance. The decision of the Architect shall be final.
- C. As applicable: As appropriate for the condition, situation, or circumstance.
- D. As required: As required by regulatory requirements, by referenced standards, by existing conditions, by accepted construction practice and by the Contract Documents.
- E. Contractor: Means General Contractor or his authorized representatives.

- F. Directed: As instructed by the Architect in writing.
- G. Indicated: As shown and/or noted on the Drawings.
- H. Owner: Leahi Hospital/ Mr. Mitsuji (Mits) Yamamoto, Building Maintenance Supervisor, and/or his authorized representative(s).
- I. Provide: Furnish and install
- J. Site of the Work: The area to be occupied by the Project and all areas occupied or used by the Contractor or his subcontractors during performance of the Work, including storage areas, temporary buildings and staging areas. The use of the work "job site" or "site" shall be interpreted to be synonymous with "site of the work."

1.05 SAFETY

The Contractor shall be responsible for complete compliance with Federal, State, and County safety laws and ordinances, and with OSHA Requirements with all latest amendments and supplements as applicable to this project.

1.06 GENERAL CONTRACTOR/SUBCONTRACTORS

Shall be licensed, certified and qualified by appropriate State and County agencies to perform their specific trade or work.

1.07 GENERAL CONTRACTOR RESPONSIBILITIES

- A. Responsibilities shall include general supervision, management and control of the work of this project, and in addition to other items more specifically noted throughout the Specifications.
- B. Existing Conditions: Before commencing any work of this project, the General Contractor shall verify if existing site and building conditions are the same as presented on the drawings, and immediately report to the Architect any apparent discrepancies or inconsistencies.
- C. Measurements: Before ordering any material, or doing any work, each Contractor shall verify all measurements at the building and shall be responsible for the correctness of same. No extra charge or compensation will be allowed because of differences of actual dimensions and the measurements indicated on the drawings.
- D. Protection: The Contractor shall be responsible for the protection and safeguarding of all new work until after final inspection and acceptance by the Architect.

1.08 QUALITY

Materials, items, fixtures, hereinafter specified in the various Divisions and Sections of the Specifications shall be new, best, commercial grade, class, kind and type available.

1.09 HANDLING

General Contractor shall supervise job site delivery and handling, and assign storage space for materials, items, equipment and fixtures of all trades. Installer is responsible for delivery, unloading, unpacking, handling, storage, distribution, installation and protection of his materials at the job site until acceptance by the Architect.

1.10 INSTALLATION

Materials, items, fixtures hereinafter specified in the various Divisions and Sections of the Specifications shall be installed in accord with manufacturer's current specifications, recommendations, instructions and directions by workmen specially trained and skilled in the performance of the work, to meet guarantee and regulatory agency requirements specified.

1.11 PREPARATION AND PROTECTION

- A. Before starting work to previously erected construction, Contractor shall make a thorough and complete investigation of such recipient surfaces and determine their suitability to receive required additional construction and finishes as indicated in plans. Contractor, at his expense, shall make whatever repairs and conditioning required to properly prepare such surfaces. Contractor to coordinate the work to provide suitable surfaces to receive following work.
- B. Commencement of work by any trade will be construed as acceptance of existing conditions and surfaces being satisfactory for application of subsequent work, and full responsibility for finished results and assumption or warranty obligations under the Contract.

1.12 CLEAN-UP

Rubbish and debris resulting from work of the various divisions and sections of the specifications shall be collected and disposed of by the Contractor. Contractor(s) or trade(s) specifically involved shall remove materials, debris and rubbish from the site daily and dispose of at legal disposal areas away from the premises.

PART 2 - PRODUCTS (Not Used)

PART 3 – EXECUTION (Not Used)

END SECTION

SECTION 1E - SUBMITTALS

PART 1 - GENERAL

1.01 PROCEDURES

- A. All submittals are to be sent via e-mail to architect listed on drawing title sheet. Product sample submittals are to be delivered to Arthur Mori & Associates, Inc., 1314 South King Street, Suite 955, Honolulu, Hawaii 96814.
- B. Transmit all items using a form which identifies Project, Contractor, Subcontractor, and Major Supplier. Identify pertinent drawing sheet, detail number, and specification section number, as appropriate. Identify deviations from Contract Documents.

1.02 SHOP DRAWINGS AND SAMPLE SUBMITTALS

- A. All submittals shall be made in accordance with the following unless otherwise specified. Drawings shall be presented in a clear and thorough manner. Details shall be identified by reference to sheet, schedule, and detail shown on Contract Drawings.
- B. Mark each copy to identify applicable products, models and other data. Supplement manufacturer's standard data to provide information unique to the work. Include manufacturer's installation instructions when required by the specification.
 - a. The Contractor shall review, stamp with his approval and submit with reasonable promptness and in orderly sequence so as to cause no delay in work of any other Subcontractor, all shop drawings, product data, and samples required by the Contract Documents.
 - b. Properly identify shop drawings and samples as specified. At the time of submission the Contractor shall inform the Architect in writing of any deviation in the shop drawings or samples from requirements of the Contract Documents.
 - c. By approving and submitting the shop drawings and samples, the Contractor thereby represents that he has determined and verified all field measurements, field criteria, materials, catalog numbers and similar data, or will do so, and that he has checked and coordinated each shop drawing and sample with the requirements of the Contract Documents.
 - d. The Contractor shall make any corrections required by the Architect. The Contractor shall direct specific attention in writing or on resubmitted shop drawings to revisions other than the corrections requested by the Architect on previous submissions.

- e. The Architect's (and/or his Consultant's) review of shop drawings or samples shall not relieve the Contractor or responsibilities for any deviation from the requirements of the Contract Documents unless the Contractor has informed the Architect (and/or his Consultants) in writing of such deviation, at time of submission, and the Architect (and/or his Consultants) has given written approval to the specific deviation; nor shall the Architect's (and/or his Consultant's) review relieve the Contractor from responsibility for errors or omissions in the shop drawings or samples.
 - f. No portion of the work requiring a shop drawing or sample submission shall be commenced until the submission has been reviewed by the Architect. All such portions of the work shall be in accordance with reviewed shop drawings and samples.
- C. Samples: Submit full range of manufacturers' standard textures, colors, and patterns for the Architect's selection. Submit samples as specified in the respective Specifications sections and as noted above. Samples shall illustrate functional characteristics of the Product, with integral parts and attachment devices. Include identification on each sample, giving full information.

1.03 MANUFACTURERS' CERTIFICATES

- A. Submit certificates, warranties, operating and maintenance instructions in accordance with requirements of each specifications section.

PART 2 – PRODUCTS

(Not used.)

PART 3 – EXECUTION

(Not used.)

END OF SECTION

SECTION 1F - POLLUTION CONTROL

PART 1 - GENERAL

1.01 GENERAL

- A. The Contractor shall comply with the following requirements for pollution control in performing all construction activities.

1.02 RUBBISH DISPOSAL

- A. All unusable debris and waste materials shall be hauled away to an appropriate off-site dump area. During loading operations, Contractor to dispose of debris and waste materials in such a manner as to allay dust..
- B. No dry sweeping shall be permitted in cleaning rubbish and fines which can become airborne from floors or other paved areas. Vacuuming, wet moping or wet or damp sweeping is permissible.
- C. Clean-up shall include the collection of all waste paper wrapping materials, cans, bottles, construction waste materials and other objectionable materials, and removal as required. Frequency of clean-up shall coincide with rubbish producing events.
- D. No dumping of any construction wastewater in any sinks or drains within the building is permitted. These must be washed outdoors.

1.03 DUST

- A. When transporting debris generated by demolition activity, dust shall be kept within acceptable levels at all times, including non-working hours, weekends and holidays in conformance with Chapter 43 - Air Pollution Control, as amended, of the State Department of Health, Public Health Regulations.
- B. The method of dust control and all costs incurred thereof shall be the responsibility of the Contractor.
- C. The Contractor shall be responsible for all damage claims filed as a result of insufficient dust control methods.
- D. Dust and tracking of dust in the building interior is to be minimized. A "wet" catch rug and adhesive dust mat must be placed at the project door entrance(s) to trap dust particles.

PART 2 - PRODUCTS (Not used)

PART 3 - EXECUTION (Not used)

END OF SECTION

SECTION 1G – CONSTRUCTION FACILITIES

PART 1 - GENERAL

1.01 GENERAL REQUIREMENTS

- A. Consult with the Architect, review site conditions and factors that affect construction procedures and construction aids in execution of the Work.

1.02 SANITARY FACILITIES

- A. Contractor to provide portable sanitoid for use by workmen during the entire construction period or make arrangements with Leahi Hospital on use of their existing sanitary facilities.

1.03 TEMPORARY PROTECTION

- A. Safety and Dust Drywall Barricades: The Contractor shall erect and maintain temporary safety and dust plywood barricades encompassing the project area to protect the public. The barricade shall remain during the duration of the Project. See Section 1B - Special Provisions, Paragraph 10 for details.
- B. Any damage to the surrounding areas/spaces, its contents, etc., from failure to provide the protection as mentioned in the above paragraphs shall be made good by the Contractor at no cost to the Owner.
- C. Signs: The Contractor shall provide, post and maintain any and all required warning signs. All warning signs shall meet OSHA requirements regarding color, size and lettering. Signs shall be clearly legible at all times. Signs with freehand lettering are not permitted.

PART 2 - PRODUCTS (Not used)

PART 3 - EXECUTION (Not used)

END OF SECTION

SECTION 01700 – QUALITY CONTROL

PART 1 - GENERAL

1.01 GENERAL REQUIREMENTS

- A. Division One, “General Requirements” is hereby made a part of this section..

1.02 APPLICABLE CODES AND STANDARDS

- A. All work shall meet or exceed the requirements of the International Building Code (IBC), Uniform Plumbing Code (UPC), National Electrical Code (NEC), National Fire Protection Association 101 (NFPA 101) latest adopted editions and the applicable codes and ordinances having jurisdiction of the County, State, and Federal Governments.
- B. References in the Specifications to “code” or to “building code” not otherwise identified, shall mean the foregoing specified codes, together with the additions, changes, amendments, and interpretations adopted by the enforcing agency, and in effect on the date of these Contract Documents. Nothing on the drawings or in the Specifications shall be interpreted as requiring or permitting Work that is contrary to these rules, regulations, and codes.
- C. Where other codes or standards are referenced hereinafter in these Specifications, the affected Work shall meet or exceed the applicable requirements of such codes and standards. When latest editions in effect as of the date of these Contract Documents. When the Documents are not dated, the date of execution of the Agreement shall establish the date of the Contract Documents.
- D. The code, specification, or standard referred to shall have full force and effect as though printed in these Specifications, except as modified in these Specifications.
- E. Where the Drawings or Specifications call for or describe materials, workmanship, or construction of a better quality, higher standard, or larger size than is required by said laws, codes, rules, and regulations, the provisions of the Drawings and specifications shall take precedence over said laws, codes, rules and regulations.

1.03 OTHER APPLICABLE LAWS AND REGULATIONS

All applicable Federal, State and local laws, and the regulations of governing utility districts and the various other authorities having jurisdiction over the construction and completion of the Project shall apply to the Contract throughout, and they shall be deemed to be included in the Contract a the same as through printed in the Specifications.

1.04 REFERENCES

- A. The Contract Documents contain references to various standard specifications, codes, practices, and requirements for materials, work quality, installation,

inspections, and tests, which references are published and issued by the organizations, societies, and associations listed below by abbreviation and name. Such references are hereby made a part of the Contract Documents to the extent required.

- B. The Specifications and Standards of the American Society for Testing and Materials (ASTM) and the American National Standards Institute (ANSI) are identified in the various Sections by abbreviation and number only (not by title) and are further identified.
- C. When effective date of a reference standard is not given, it shall be understood that the current edition or latest revision thereof and any amendments or supplements thereto in effect on the date of issue of these Contract Documents shall govern the Work.
- D. Reference standards are not furnished with the Contract Documents. The Contractor shall obtain copies of referenced standards direct from publication sources as needed for proper performance and completion of the Work and provide and maintain referenced standards at the job site field office. The Architect will furnish, upon request, information as to how copies of specified standards may be obtained.

1.05 ABBREVIATIONS

Whenever in the Specifications the abbreviation of acronym is specified, it shall be understood to mean the full name of the respective organization, as follows:

AAMA	Architectural Aluminum Manufacturer's Association
ACI	American Concrete Institute
ADA	2010 ADA Standards for Accessible Design
AIA	American Institute of Architects
AIMA	Acoustical and Insulating Materials Association
AISC	American Institute of Steel Construction
ANSI	American National Standards Institute
APA	American Plywood Association
ARDI	American Rolling Door Institute
ASHRAE	American Society of Heating, Refrigerating and Air Conditioning Engineers
ASTM	American Society for Testing and Materials
AWPA	American Wood Preservers Association
AWPB	American Wood Preservers Bureau
AWPI	American Wood Preservers Institute
AWS	American Welding Society
AWI	Architectural Woodwork Institute
BHMA	Builders' Hardware Manufacturer's Association
CRSI	Concrete Reinforcing Steel Institute
CS	U.S. Commercial Standard
CDA	Copper Development Association
DHI	Door and Hardware Institute
FGMA	Flat Glass Marketing Association
FS	Federal Specifications (also abbreviated Fed. Spec.)

HMMA	Hollow Metal Manufacturer's Association
IBC	International Building Code
ICBO	International Conference of Building Officials
IEEE	Institute of Electrical and Electronic Engineers
NAAMM	National Association of Architectural Metal Manufacturers
NBFU	National Board of Fire Underwriters
NCMA	National Concrete Masonry Association
NEC	National Electric Code
NEMA	National Electrical Manufacturers Association
NFPA	National Fire Protection Association

NWMA	National woodwork Manufacturer's Association
MBNA	Metal Building Manufacturer's Association
PCA	Portland Cement Association
PDCA	Painting and Decorating Contractors of America
PIB	Plastering Industry Bureau
PS	U.S. Product Standard
RIS	Redwood Inspection Service
SDI	Sheet Metal Door Institute
SMACNA	Sheet Metal and Air Conditioning Contractor's National Association
SWI	Sealant and Waterproofers Institute
SSPC	Steel Structures Painting Council
TCA	Tile Council of America
UMC	Uniform Mechanical Code
UL	Underwriters' Laboratories, Inc.
UPC	Uniform Plumbing Code
WCLIB	West Coast Lumber Inspection Bureau
WWPA	Western Wood Products Association

END OF SECTION

SECTION 1I – CONTRACT CLOSEOUT

PART 1 - GENERAL

1.01 CLOSEOUT PROCEDURES

- A. When Work has reached final completion, submit written notification that the Contract Documents have been reviewed, the Work has been examined, and that the Work is complete in accordance with Contract Documents and ready for inspection.
- B. Prior to scheduling a final inspection, the Contractor shall perform his own “final inspection” of the project as if he were accompanied by the Architect/Engineer and the Owner. A copy of this “final punchlist” shall be forwarded to the Architect for review and all items corrected prior to scheduling of final inspection with Architect/Engineer and Owner.
- C. Only after the Contractor has conducted his own “final” inspection and corrected all items on his “punchlist”, a final inspection with the Architect/Engineer and Owner to determine acceptance of the Project will be performed.
- D. From the information gathered from this inspection, the Architect will prepare a “punchlist” of work to be performed before the Project will be accepted. All work on the punchlist shall be completed by the Contractor prior to acceptance of the project by the Owner.
- E. Execute final cleaning prior to final inspection.

1.02 PROTECT RECORD DOCUMENTS

- A. Store documents separate from those used for construction. Keep documents (As-built) current and do not permanently conceal any work until required information has been recorded. At Contract closeout, Contractor shall scan project site and record document information and store as pdf files. Contractor shall include in his price, the cost to provide these services.

1.03 WARRANTIES

- A. Provide copies, include submittals and assemble documents executed by subcontractors, suppliers, and manufacturers.

1.04 FINAL CLEANING

- A. At the completion of the Project, prior to acceptance and prior to the final inspection, thoroughly clean the job site, building and work areas. Vacuum clean where appropriate and remove grease, adhesive, dust, dirt, stains, fingerprints, labels, and other foreign materials from sight-exposed interior and exterior surfaces. Use commercial cleaning compounds where necessary. Clean all existing flooring material adjacent to work area. Clean all painted surfaces where

soiled.

- B. Also prior to final inspection, clean the site and put it into a neat, acceptable condition. Contractor shall conduct an inspection of sight-exposed interior surfaces, to verify that the entire work is clean and ready for final inspection.

PART 2 - PRODUCTS (Not used)

PART 3 - EXECUTION (Not used)

END OF SECTION

DIVISION 2 - SITE WORK

SECTION 02055 - SELECTIVE DEMOLITION AND REMOVAL

PART I - GENERAL

- 1.01 GENERAL REQUIREMENTS: Furnish all labor, materials, tools and equipment necessary to complete all removal work and surface preparation work as specified herein.
- 1.02 SPECIAL REQUIREMENTS:
- A. The Contractor shall visit the site, examine the areas and note all existing conditions and extent of work involved for the complete removal and surface preparation work required.
 - B. The Contractor shall comply with pollution control regulations and safety code. See POLLUTION CONTROL Section 01577 also.
 - C. The project has been tested for hazardous materials including asbestos containing materials and lead-based paints. The report, Limited Inspection Report for Asbestos and Lead-Based Paint, prepared by EnviroQuest, Inc. is attached as part of these specifications. See Section 01715 – EXISTING CONDITIONS – ASBESTOS / LEAD / HAZARDOUS MATERIALS SURVEY.
 - D. Negative air pressure monitoring and testing are required for all interior work. The following minimums shall apply:
 - 1. Testing via smoke test.
 - 2. Negative air at all entry points to project site
 - 3. 6 air exchanges per hour minimum.
 - 4. Use air scrubbers with HEPA filters for exhaust.
 - 5. Documentation noting equipment servicing frequency and checks.
 - E. Smoke detection
 - 1. Contractor to install and remove temporary smoke detector covers during dust creating activities, hot work, etc.
 - 2. Pull stations, if existing in construction area, are to remain active for means of notification in case of fire.
 - 3. Provide fire watch. Contractor to provide fire watch log during normal work hours. Leahi Hospital to provide fire watch log after normal work hours.
 - F. Existing Utility Lines
 - 1. Permanently remove to the extent possible, seal and cap all utility lines not to be replaced or reused. Cut and cap unused utility lines below suspended concrete floor slab.

PART 2 - PRODUCTS

2.01 MATERIALS:

- A. Damaged surfaces or items shall be patched by the Contractor with materials which are equal or better in quality.

PART 3 - EXECUTION

3.01 GENERAL

- A. All work shall be executed in an orderly and careful manner with due consideration for the remaining parts of the building.

3.02 REMOVAL WORK

- A. Remove existing flooring, equipment, plumbing fixtures, furnishings, etc. , as indicated on the drawings and/or specified herein.
- B. All dismantled materials having no salvage value as determined by the Architect or HHSC Representative shall become the property of the Contractor and shall be completely removed and hauled away from the premises. Contractor shall recycle all materials to be disposed off to the greatest extent possible.

3.03 SURFACE PREPARATION WORK

- A. All surfaces to receive manufactured finishes shall be inspected by the manufacturer's representative as approved for installation of new materials. Should the manufacturer's representative find discrepancies in the preparation work, all such discrepancies shall be corrected at no additional cost to the project.
- B. Contractor shall repair any damages occurring during the progress of the work.

3.04 PATCHWORK: All areas or surfaces damaged as a result of removal work shall be patched to match existing adjacent surfaces and/or areas to the satisfaction of the Architect.

3.05 TEMPORARY BARRICADES

- A. The Contractor shall provide, erect and maintain safety barricades around the project areas during the execution of work under this contract including work done by other sections. At the discretion and approval of the Architect and/or HHSC Representative, alternative means to provide safety around the project area are acceptable.
- B. Barricades shall be constructed from durable materials to provide necessary protection and security of the project area.

- C. The barricades shall remain until final acceptance of the project or until the hazardous condition no longer remains and approval is given by the Architect and/or HHSC Representative for their removal.

3.06 CLEAN-UP

- A. From time to time, as directed by the Architect and/or HHSC Representative, and at the completion of the removal work, remove from the site all rubbish, debris, fines, etc., accumulated from this work and leave the area neat and clean to the satisfaction of the Architect and/or HHSC Representative.
- B. After the completion of the repair work and before the final acceptance of the project, the Contractor shall clean all areas of all rubbish, debris, fines, etc.

END OF SECTION

SECTION 02056 – PATCHING

PART 1 - GENERAL

1.01 GENERAL REQUIREMENTS

- A. Division One, “General Requirements” is hereby made a part of this section..

1.02 SCOPE OF WORK

Furnish all labor, materials and equipment necessary to perform any and all repair work and patching on the existing building caused by demolition, removal work, or resulting from the Contractor’s operations.

1.03 SUBMITTALS

Submit manufacturer’s specifications, recommendations, and installation and instructions for all patching work.

1.04 MATERIALS

All materials used for patching work shall be new and of grade compatible with the existing material. All materials shall be of the best of their respective kind and such that when they are installed or applied the finish of the new material shall match that of the adjoining existing surfaces of similar material.

1.05 REPAIR AND PATCHING

- A. Cavities and/or openings resulting from removal work shall be filled and finished to match existing surfaces. Wherever possible, the patchwork shall be in whole units, not in part or parts of the whole. When cavities and/or openings are created from removal work in fire rated corridor walls, shaft walls and roof structure, an approved UL system shall be used.
- B. Patching work shall be accomplished in accordance with the best standard practices of the trade, and by persons skilled in the trade.
- C. All concrete, plaster, floor tile, ceiling finish etc., shall be matched with the existing and finish texture shall blend into the existing adjacent surface.
- D. Patch holes in concrete slab using galvanized wire fabric. No paper backing or stuffing allowed in concrete patches.
- E. Touch-up painting shall match the existing adjacent surface. Apply one prime coat and one finish coat at existing surfaces altered by renovation work not scheduled for painting.
- F. Non-shrink grout for patching shall be prepared, mixed and applied in accordance with the manufacturer’s recommendations.

END OF SECTION

SECTION 06100-ROUGH CARPENTRY

PART 1- GENERAL

1.01 GENERAL REQUIREMENTS

- A. Division One, "General Requirements" is hereby made a part of this section..

1.02 DESCRIPTION

This section includes everything necessary for and incidental to the execution and completion of the rough carpentry work as shown and as specified. Install all wood framing indicated on the plans.

All concealed lumber shall be fire-retardant treated.

1.03 GUARANTEES AND CERTIFICATES

Provide one (1) Year Guarantee against defective carpentry materials and workmanship for all individual products or assemblies or products shown on the drawings and specified herein.

1.04 GENERAL

- A. Qualification of Workmen: Provide sufficient workmen and supervisors who shall be present at all times during execution of this portion of the Work, and who shall be thoroughly familiar with the type of construction involved and the materials and techniques specified.
- B. Rejection: In the acceptance or rejection of rough carpentry, the Architect will make no allowance for lack of skill on the part of the workmen.
- C. Supervision: Perform carpentry work under direction of a capable experienced foreman. Cooperate with subcontractors and tradesmen doing the work. Carefully plan and lay out work of construction.
- D. Cutting: Under this section, have skilled mechanics do the cutting and framing of wooden members required to accommodate structural members, routing of piping, conduit, ducts, and installation of mechanical, electrical or other apparatus or equipment.
- E. Framing: Provide necessary shoring, bracing, or temporary structural units required to properly and safely construct framing indicated and specified. Accurately saw-cut lumber and timber framing and fit into respective positions, and securely nail, spike, lag screw, or bolt together as indicated, specified or directed.

1.05 PRODUCT HANDLING

1. Protection:
2. Store all materials in such a manner as to ensure proper ventilation and drainage, and to protect against damage and the weather
3. Keep all materials clearly identified with all grade marks legible.
4. Do not allow installation of damaged or otherwise non-complying materials.
5. Use all means necessary to protect the installed work and materials of all other trades.
6. Replacements: In the event of damage, immediately make all repairs and replacements necessary to the approval of the Architect and at no additional cost.

1.06 WOOD TREATMENT

Treat all rough lumber in accordance with Section 6C - Preservative Treated Lumber.

1.07 GRADE STAMPS

A. Grading Rules:

1. Soft Woods: Standard Grading and dressing rules of West Coast's Lumberman Association, latest edition, and as modified hereinafter.
2. Hard Woods: Latest rules of the National Lumber Association.
3. Plywood: Group I Douglas Fir, U.S. Product Standard PS 1-74. Softwood, U.S. Commercial Standard CS35. Use Exterior Grade only.

B. Framing Lumber: Identify all framing lumber by the grade stamp of the West Coast Lumber Inspection Bureau.

C. Plywood: Identify all plywood as to species, grade and glue type by the stamp of the American Plywood Association.

D. Other: Identify all other materials of this Section by the appropriate stamp of the agency listed in the reference standards, or by such other means as are approved by the Engineer.

1.08 MATERIALS

- A. Asbestos Prohibition: No asbestos containing material or equipment shall be used under this section. The Contractor shall ensure that all materials and equipment incorporated in the project are asbestos free.
- B. All materials, unless otherwise specifically approved in advance by the Architect, shall meet or exceed the following:

<u>Item</u>	<u>Description</u>
Studs	Douglas Fir, S4S Construction Grade.
Beams 2" to 4" thick, 6" and wider	Douglas Fir, S4S Dense No. 1 Grade or better.
Posts	Douglas Fir, S4S No 1 Grade.
Plywood	APA Plywood, Group I, Structural Grade I, C-D INT-APA, Exterior Glue, thickness as indicated.
Glue	3M Scotch Grip 4314 or approved equal,
Steel Hardware	ASTM A7 or A36 (hot-dipped galvanized according to ASTM A153).
Machine Bolts	ASTM A307 (galvanized).
Lag Bolts	Federal Specification FF-B-561 (galvanized).
Nails	Common (except as noted), Federal Specification FF-N-1-1 (galvanized).
Simpson Strong-Tie Connectors	Galvanized.

1.09 OTHER MATERIALS

All other material, not specifically described but required for a complete and proper installation as indicated on the drawings, shall be new, suitable for intended use, and subject to the approval of the Architect.

1.10 INSPECTION

Examine the areas and condition under which work of this Section will be performed. Correct conditions detrimental to the proper and timely completion of the work. Do not proceed until unsatisfactory condition have been corrected.

1.11 WORKMANSHIP

- A. General: All rough carpentry shall produce joints true, tight, and well nailed, with all members assembled in accordance with the drawings and with all pertinent codes and regulations.
- B. Selection of Lumber Pieces:
 - 1. Carefully select all members. Select individual pieces so that knots and obvious defects will not interfere with placing bolts or proper nailing.
 - 2. Cut out and discard all defects that will render a piece unable to serve its intended function. Lumber may be rejected by the Architect, whether or not it has been installed, for excessive warp, twist, bow, crook, mildew, fungus, or mold, as well as for improper cutting and fitting.

1.12 GENERAL FRAMING

- A. General:
 - 1. In addition to all framing operations normal to fabrication and erection indicated on the drawings, install all backing required for work of other trades.
- B. Bearings:
 - 1. Make all bearings full unless otherwise indicated on the drawings.

1.13 ALIGNMENT

On all framing members to receive a finished wall, align the finish subsurface to vary not more than 1/8" from the plane of surfaces of adjacent framing and furring members.

- A. Bolting: Drill holes 1/16" larger in diameter than the bolts being used. Drill straight and true from one side only. Bolt threads shall not bear on wood. Use washers under head and nut where both bear on wood; use washers under all nuts.

- B. Screws: For lag screws and wood screws, pre-bore holes same diameter as root of thread; enlarge holes to shank diameter for length of shank. Screw, do not drive, all lag screws and wood screws.

1.14 ROUGH HARDWARE

- A. Provide all rough hardware necessary as required for installation of the work specified herein. Use sufficient size and number of spikes, nails, screws, bolts, etc., to ensure rigidity, security, and permanence.
- B. Conform to Section 5 of the "Timber Construction Manual", Second Edition, of the American Institute of Timber Construction. Pre-bore lead holes for nails if necessary to prevent splitting of wood. Lead hole diameters for lag bolts, screws, nails and spikes shall conform to Tables 5.10, 5.14 and 5.19 of the "Timber Construction Manual". Nails and splices shall not be lubricated. Screws and lag bolts shall be turned, not driven, and may be lubricated with soap.
- C. Nailing shall conform with the following, listed in order of decreasing priority: details: recommendations of manufacturer of pre-fabricated metal framing devices: nailing schedule shown in drawings, if any: nailing schedule of the Building Code.

1.15 WOOD GROUNDS

Provide wood grounds, strips, backing and blocking of thickness and shape required to secure work or equipment in place, as indicated on the drawings or required to secure work or equipment in place, as indicated on the drawings or required by conditions. Fasten wood grounds, furring and other engaging woodwork to various types of wall with approved types and sizes of nails, ties, or inserts, spaced to provide rigid secure support.

1.16 WOOD NAILERS/BACKING

- A. Place as designated on drawings or specified in other sections required as the work progresses. Align tops to levels required.
- B. Provide backing as necessary for toilet partitions, toilet room accessories, clocks, etc.

1.17 CUT AND PENETRATIONS

Whenever it is necessary to end cut or penetrate into treated wood on the job, all such cuts and penetrations shall be treated as specified in Section 6C - Preservative Treated Lumber.

1.18 CLEAN-UP

- A. General: Keep the premises in a neat, safe and orderly condition at all times during execution of this portion of the work, free from accumulation of sawdust, cut ends and debris.
- B. Sweeping: At the end of each working day, and more often if necessary, thoroughly sweep all surfaces where refuse from this portion of the work has settled. Remove the refuse to the area of the job site set aside for its storage. Upon completion of this portion of the work, thoroughly broom clean all surfaces.

END OF SECTION

SECTION 06200-FINISH CARPENTRY

PART 1- GENERAL

1.01 GENERAL REQUIREMENTS

- A. Division One, "General Requirements" is hereby made a part of this section..

1.02 SUBMITTALS

- A. Shop Drawings: Submit shop drawings to scale indicating all details for finished millwork carpentry.
- B. Samples: Submit samples of materials and color for approval and selection by the Architect.

1.03 GUARANTEES AND CERTIFICATES

- A. Provide certificate showing compliance with Section 6C - Preservative Treated Lumber.
- B. Provide one (1) Year Guarantee against defective finished carpentry materials and workmanship for all individual products or assemblies or products shown on the drawings and specified herein.

1.04 FINISH HARDWARE

Furnishing of finish hardware is covered under the Section 8A - Finish Hardware. Installation shall be included in this section.

1.05 MATERIALS

- A. Asbestos Prohibition: No asbestos containing material or equipment shall be used under this section. The Contractor shall ensure that all materials and equipment incorporated in the project are asbestos free.
- B. Hardboard: Standard, natural finish, conforming to Federal Specification LLL-H-35.
- C. Rough Hardware: Furnish and install all rough hardware, such as nails, screws, bolts, nuts and washers, ramset pins and studs, expansion shields, etc., required to complete the work. Exposed nail heads shall be set in where wood is to be painted, but not stained. All nuts, bolts and washers called for on the drawings shall be galvanized.

1.06 WORKMANSHIP

Erect all work accurately to required lines, level, plumb, to true planes and rigidly secure.

1.07 TRIM

Eased edges and mitered corner joints. Hand sand to provide smooth, fine, splinter-free surface ready for finishing.

1.08 PROTECTION OF WORK IN PLACE

Protect finish millwork from being defaced or marred by workmen during execution of other trades. Replace any damaged work with new work.

1.09 BACK PRIMING

All frames and trim shall be back-painted at the jobsite. Notify painter when materials are ready to prime and cooperate to be certain that back painting is complete before installation.

1.10 INSTALLATION OF ITEMS SPECIFIED IN OTHER SECTIONS

- A. Finish Hardware: Install items specified in Section 8A - Finish Hardware. Finish hardware to be installed in accordance with best standard practice. Adjust moving parts to operate freely and easily without binding. All hardware shall be in perfect working order and keys tagged on delivery to Architect.
- B. Countertop Substrate and Cabinets: Install items specified in Section 6D – Cabinet Work.
- C. Metal Frames: Install items specified in Section 8B – Metal Doors and Frames.
- D. Toilet Accessories: Install items specified in Section 10A – Metal Doors and Frames.
- E. Toilet Partitions: Install items specified in Section 10B – Phenolic Plastic Toilet Partitions.

1.11 CLEANUP

At the completion of the work, at frequent intervals during the construction, and when directed by the Engineer, remove from the premises all rubbish, debris and unused materials which may be accumulated during the progress of the work.

END OF SECTION

SECTION 06300-PRESERVATIVE TREATED LUMBER

PART 1- GENERAL

1.01 GENERAL REQUIREMENTS

- A. Division One, "General Requirements" is hereby made a part of this section..

1.02 GENERAL REQUIREMENTS

- A. A Certificate of Treatment shall be issued showing compliance with these specifications and type of treatment performed.
- B. The Contractor shall submit a written certification that all wood used and left in place on this job was treated in accordance with these specifications and that all cuts and penetrations made subsequent to the treatment were coated with preservatives in compliance with Paragraph 6(a) of this Section.

1.03 GENERAL

- A. All wood to be treated with Hi-Bor (SBX).
- B. Lumber shall be milled to finish size and shape prior to treating, and it shall be treated before assembly.

1.04 MATERIALS

- A. Asbestos Prohibition: No asbestos containing material or equipment shall be used under this section. The Contractor shall ensure that all materials and equipment incorporated in the project are asbestos-free.
- B. Water-Borne Preservatives shall be Hi Bor (SBX) in accordance with American Wood Preservers Association (AWPA) Standard P5 - Standards for Waterborne Preservatives. Preservatives shall be EPA registered.
- C. Water-Borne Preservatives used to coat end cuts and penetrations in Hi-Bor (SBX) treated wood shall be Clear-Bor F.T. or an equivalent solution of 10% inorganic boron. The end coating solution must be approved and labeled by the Environmental Protection Agency and must be accepted by the State of Hawaii, Department of Agricultural Pesticide Division for this purpose. The treatment solution shall have a colorant added which will tint the wood surface to indicate treatment.

1.05 WOOD PRESERVATION WITH WATER-BORNE PRESERVATIVES

- A. Unless otherwise stipulated, all lumber shall be pressure treated.

- B. Lumber and shall be treated with Hi Bor (SBX), using the full cell pressure method in conformance with AWPA Standard C1-93. Lumber and treated with Hi-Bor (SBX) shall attain the following penetration and retention requirements:

1. Lumber:

- a. Penetration requirement for lumber under 5-inch nominal thickness: 0.40 inch in heartwood and 100% in sapwood.
- b. Penetration requirement for lumber 5-inch nominal thickness and over: 0.50 inch in heartwood and 100% in sapwood.
- c. Retention requirement for lumber shall be a minimum of 1.25 % (by weight) or 0.35 pounds per cu. ft. in an assay zone of 0.0 - 0.6 inches.

1.06 INSTALLATION

- A. Wherever it is necessary to end cut or penetrate into (such as by drilling or notching) treated wood on the job, all such cuts and penetrations shall be treated in accordance with AWPA Standard M4-84 using two heavy brush coats of a treating solution noted in the following schedule. Exceptions: Cuts and penetrations made in Hi-Bor (SBX) treated wood 2 inches or less in nominal thickness need not be field treated.

INITIAL WOOD TREATMENT

FIELD TREATMENT

Hi-Bor (SBX)

Clear-Bor F.T.

- B. Hi-Bor (SBX) treated wood shall not be used in areas exposed to direct precipitation (e.g. exposed decking, trellises, fencing, etc.) unless painted or covered with a finishing material.

END OF SECTION

SECTION 06400-CABINET WORK

PART 1- GENERAL

1.01 GENERAL REQUIREMENTS

- A. Division One, "General Requirements" is hereby made a part of this section..

1.02 WORK INCLUDED

This section covers furnishing and installing the following items of cabinet work where noted on drawings: Lavatory countertops, base cabinets and tall storage cabinets.

1.03 MATERIALS

- A. Nailer blocking, furring, grounds, bucks, etc.: No. 2 common Douglas Fir.
- B. Plastic laminate cabinets:
1. Doors and faces: As manufactured by Wilsonart.
 2. Adjustable shelves: and exposed surfaces of open shelf units: General Purpose Type 107 with matte finish as manufactured by Wilsonart. Provide color matched edge banding on all four shelf edges.
 3. Exposed interior faces of cabinet boxes: Thermally-Fused Melamine Panels by Domtar Decorative Panels, 3/4" thick, with white satin finish or approved equal.
 4. Exposed exterior faces of cabinet boxes including bottoms are to be provided with the matching laminate used on the doors faces.
 5. Screw head covers: Provide white plastic screw head covers over all exposed screws within base and overhead cabinets to secure units to wall.
- C. Solid surface countertop and waterfall side:
1. Refer to Section 6E – Solid Surfacing.
- D. Cabinet door hardware: Soft-close type.
- E. Cabinet door pull: Omnia Ultima 9007. CTC 5-1/8" (86mm). 6" overall. Finish US15 Satin Nickel. Available at Fiddlers. Ph: (808) 596-0233.

1.04 STORAGE AND WORKMANSHIP

- A. Shop fabricate countertop substrate and cabinets with weatherproof glue and deliver to the project ready to install.

- B. Plastic laminate cabinets to be carefully stored and protected from damage prior to installation.
- C. All damaged cabinet units to be replaced or repaired to the satisfaction of the Architect.
- D. Cabinets to be of sizes and dimensions shown on plans and scale details.
- E. Maintain workmanship of highest quality. Secure to grounds and furring provided under Finish Carpentry - Section 6B. Field verify dimensions at building and construct or modify cabinets to suit.
- F. Verify size and modify cabinets as necessary ready to receive all built-in items.

1.05 SHOP DRAWINGS

Provide shop drawings for review of all countertop substrate and cabinet work including dimensions, details of construction, size of members and cut-outs such as grommets, etc.

1.06 INSTALLATION

Refer to Section 6B - Finish Carpentry for installation of countertops and cabinets units.

END OF SECTION

SECTION 06650-SOLID SURFACING

PART 1- GENERAL

1.01 GENERAL REQUIREMENTS

- A. Division One, "General Requirements" is hereby made a part of this section..

1.02 SCOPE

This section includes everything necessary for and incidental to the execution and installation of solid surfacing at the toilet room lavatory where indicated on plan.

1.03 DEFINITION

Solid surface is defined as nonporous, homogeneous material maintaining the same composition throughout.

1.04 SUBMITTALS

- A. Shop drawings:
- i. Show location of each item, dimensioned plans and elevations, large-scale details, attachment devices and other components.
 - ii. Show details, edge details, attachments, etc.
 - iii. Show locations and sizes of furring, blocking, including concealed blocking and reinforcement specified in other Sections.
 - iv. Show locations and sizes of cutouts and holes installed in solid surface.
- B. Samples: Submit minimum 6-inch by 6-inch sample in specified finish.
- C. Product data: Indicate product description, fabrication information and compliance with specified performance requirements.

1.05 QUALITY ASSURANCE

- A. Qualifications: Shop that employs skilled workers who custom fabricate products similar to those required for this project and whose products have a record of successful in-service performance.
- B. Fabricator/installer qualifications: Work of this section shall be by a certified fabricator/installer, certified in writing by the manufacturer.

C. Applicable standards:

1. American National Standards Institute (ANSI)
2. American Society for Testing and Materials (ASTM)
3. National Electrical Manufacturers Association (NEMA)
4. NSF International

D. Fire test response characteristics:

1. Provide with the following Class A (Class I) surface burning characteristics as determined by testing identical products per UL 723 (ASTM E84) or another testing and inspecting agency acceptable to authorities having jurisdiction:
 - a. Flame Spread Index: 25 or less.
 - b. Smoke Developed Index: 450 or less.

1.06 DELIVERY, STORAGE AND HANDLING

- A. Deliver no components to project site until areas are ready for installation.
- B. Store components indoors prior to installation.
- C. Handle materials to prevent damage to finished surfaces. Provide protective coverings to prevent physical damage or staining following installation for duration of project.

1.07 WARRANTY

- A. Provide manufacturer's warranty against defects in materials.
 1. Warranty shall provide material and labor to repair or replace defective materials.
 2. Damage caused by physical or chemical abuse or damage from excessive heat will not be warranted.

1.08 MAINTENANCE

Provide maintenance requirements as specified by the manufacturer.

1.09 MATERIALS

- A. Solid polymer components:

1. Cast, nonporous, filled polymer, not coated, laminated or of composite construction with through body colors meeting ANSI Z124.3 or ANSI Z124.6, having minimum physical and performance properties specified.
 2. Superficial damage to a depth of 0.010 inch (.25 mm) shall be repairable by sanding and/or polishing.
- B. Countertop, Splashes and Waterfall Sides: ½” thick Corian as manufactured by DuPont. Size of sheet to be as required to perform work indicated on plans.
- C. Countertop Substrate: ¾” thick marine plywood.
- D. Integral Corian Lavatories: Model 8252 lavatory sink by Corian where noted in the drawings.
- E. Finish: Factory-provided matte finish, approximating 220 grit sandpaper.

1.10 EXECUTION

- A. Fabricate solid surface countertop front edge and 4” high splash as shown in drawings.
- B. Front Edge Detail: 1-1/2” flat front face with top eased edge.
- C. Installation shall be by installers trained and certified in the use of Corian.

1.11 INSTALLATION

- A. Install components plumb, level and rigid, scribed to adjacent finishes, in accordance with approved shop drawings and product data.
 1. Provide product in the largest pieces available.
 2. Form field joints using manufacturer’s recommended adhesive, with joints inconspicuous in finished work.
 3. Exposed joints/seams shall not be allowed.
 4. Reinforce field joints with solid surface strips extending a minimum of 1 inch on either side of the seam with the strip being the same thickness as the top.
 5. Cut and finish component edges with clean, sharp returns.
 6. Rout radii and contours to template.
 7. Anchor securely to base cabinets or other supports.

8. Align adjacent countertops and form seams to comply with manufacturer's written recommendations using adhesive in color to match countertop.
9. Carefully dress joints smooth, remove surface scratches and clean entire surface.
10. Install countertops with no more than 1/8-inch (3 mm) sag, bow or other variation from a straight line.

1.12 COORDINATION

Coordinate with other trades in placement and installation of solid surfacing material.

1.13 REPAIR

Repair or replace damaged work which cannot be repaired to architect's satisfaction.

1.14 CLEANING AND PROTECTION

- A. Keep components clean during installation.
- B. Remove adhesives, sealants and other stains.

8252 LAVATORY

Accessible Collection

Rectangular lavatory with front to back slope

- Standard Integral Left Side Overflow
- Option: No Overflow
- Made from an acrylic polyester-based material
- Nonporous surface, that with proper cleaning, resists mold, mildew and stains
- ADA compliant when installed according to guidelines

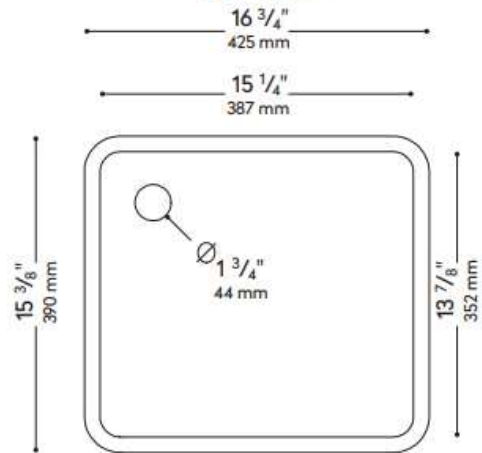
INSIDE SINK DIMENSIONS

	Length	Width	Depth
inches	15 1/4	13 7/8	5 1/4
mm	387	352	133

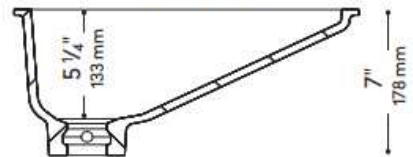
Measurements rounded to nearest 1/8" or mm.



TOP VIEW



SIDE VIEW



DRAIN

All drain holes in sinks are nominally 1 3/8" in diameter and accept all standard drain hardware.

8252 LAVATORY

COLOR SELECTIONS

Group A:



Group B:



Group A colors are color-coordinated. They are similar to existing sheet colors but more opaque and not an exact match. They should be seamed to contrasting sheet colors.

Group B colors are color and translucency-matched. They can be seamed to sheet colors with the same color name for a continuous appearance.

Images shown may vary from actual color, we recommend ordering a material sample to ensure color and aesthetic accuracy.

CERTIFICATIONS

Complies with the requirements in CSA B45.5/1APMO Z124 standard for plastic plumbing fixtures and the requirements in the HUD Use of Materials Bulletin No. 73a.

Corian® Solid Surface plumbing products are listed by Home Innovation Research Labs and UL as meeting the requirements of the Uniform Plumbing Code, the International Plumbing Code, and are listed by ULC as meeting the requirements of the National Plumbing Code of Canada. Corian® Solid Surface is GREENGUARD Gold Certified for low VOC emissions.

WARRANTY

DuPont offers limited commercial and residential warranties.

ADDITIONAL INFORMATION

For additional information or support please contact your local distributor, visit corian.com or call 1-800-4-CORIAN (800 426-7426).

PLEASE VISIT OUR WEB SITE: WWW.CORIAN.COM OR CONTACT YOUR CORIAN® DESIGN REPRESENTATIVE FOR MORE INFORMATION ABOUT CORIAN® DESIGN.

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END OF SECTION

DIVISION 7 – THERMAL AND MOISTURE PROTECTION

SECTION 07130 – WATERPROOF MEMBRANE

PART 1 – GENERAL

1.01 SCOPE

Provide waterproof membrane “system” by Laticrete (25 year warranty) below sheet vinyl floor and integral sheet vinyl base at Toilet Rooms.

1.02 MATERIAL

- A. Concrete Slab Leveler: Laticrete 86 Latilevel cementitious leveling mortar.
- B. Waterproof/Anti Fracture membrane: Laticrete Hydro Ban.
- C. Thinset: Laticrete 254 Platinum polymer-fortified thin set.
- D. Grout: Laticrete SpectraLOCK PRO epoxy grout.
- E. Sealant at Joints: Laticrete Latasil 100% silicone sealant, color matched to epoxy grout.

1.03 SURFACE PREPARATION

All concrete must be dry and free of sharp protrusions and voids, loose stones, dust and any other foreign matter.

1.04 INSTALLATION

- A. Install waterproof membrane “system” below sheet vinyl flooring, floor tile and wall tile as recommended by the waterproofing manufacturer and as shown on drawings.
- B. Wrap waterproof membrane up perimeter walls a minimum of 6”. Refer to details for wall tile or solid surface wall panel installation.
- C. Due to the odors generated by the waterproof membrane system, Contractor shall use caution when installing so as not to affect occupied patient floors. Provide means of ventilating area where waterproof membrane is to be applied.

END OF SECTION

DIVISION 7 – THERMAL AND MOISTURE PROTECTION

SECTION 07200 – ROOF FLASHING



Sarnafil® G 410 SELF-ADHERED MEMBRANE AND WALL FLASHING

Improve your installation productivity and eliminate solvents, VOCs and odors with the Sarnafil G 410 Self-Adhered thermoplastic roofing membrane and wall flashing.

These new self-adhered products provide all of the benefits of a Sarnafil adhered roofing system without the hassle and mess of liquid adhesives. Simply peel back the adhesive release liner and bond the sheet to an approved substrate.

The Sarnafil G 410 Self-Adhered products are the easier, faster way to install an adhered roofing system.

- No solvents, VOCs or odors
- Install in temperatures as low as 20°F
- Wall flashing can be used on any roof system
- No membrane adhesives to ship or store
- No cure time
- One-step process
- Reduces waste
- No hazmat transportation
- Reduces labor

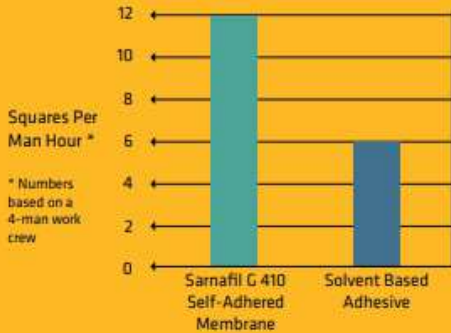


Sarnafil

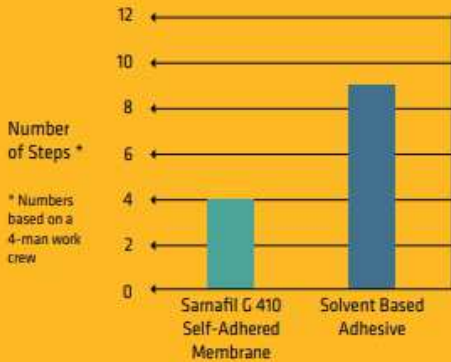
BUILDING TRUST



COVERAGES RATES



APPLICATION STEPS



COLD WEATHER PERFORMANCE

In many cases, installing an adhered system during cold parts of the year is extremely difficult due to low daily temperatures. Sika's Sarnafil G 410 SA membranes offer the ability to install an adhered system in temperatures as low as 20°F, allowing for a wider install window.

A VERSATILE OPTION

Sarnafil G 410 Self-Adhered products are ideal for any project, but especially for those buildings that are sensitive to adhesive odors and fumes:

- Schools and universities
- Healthcare facilities
- Office buildings
- Pharmaceutical facilities
- Retail facilities

AVOID VOC-RELATED ISSUES

It's no secret that VOCs from liquid adhesives can be an issue on certain types of jobs. By eliminating the use of membrane adhesives, you also eliminate VOCs and adhesive odors from entering the building.

WALL FLASHING MADE SIMPLE

Boasting the same benefits as the Sarnafil G 410 SA membrane, Self-Adhered Wall Flashing allows for increased productivity and a time-saving installation. The Self-Adhered Wall Flashing does not require adhesive and may be installed with any adhered or mechanically attached Sika roof system.

In addition, the Sarnafil G 410 Self-Adhered products are the perfect solution for high-rise applications where torches and open flames are not allowed.

DISCOVER A BETTER ALTERNATIVE

To learn more about Sarnafil G 410 Self-Adhered roofing products, contact your regional Sika representative or visit usa.sarnafil.sika.com.



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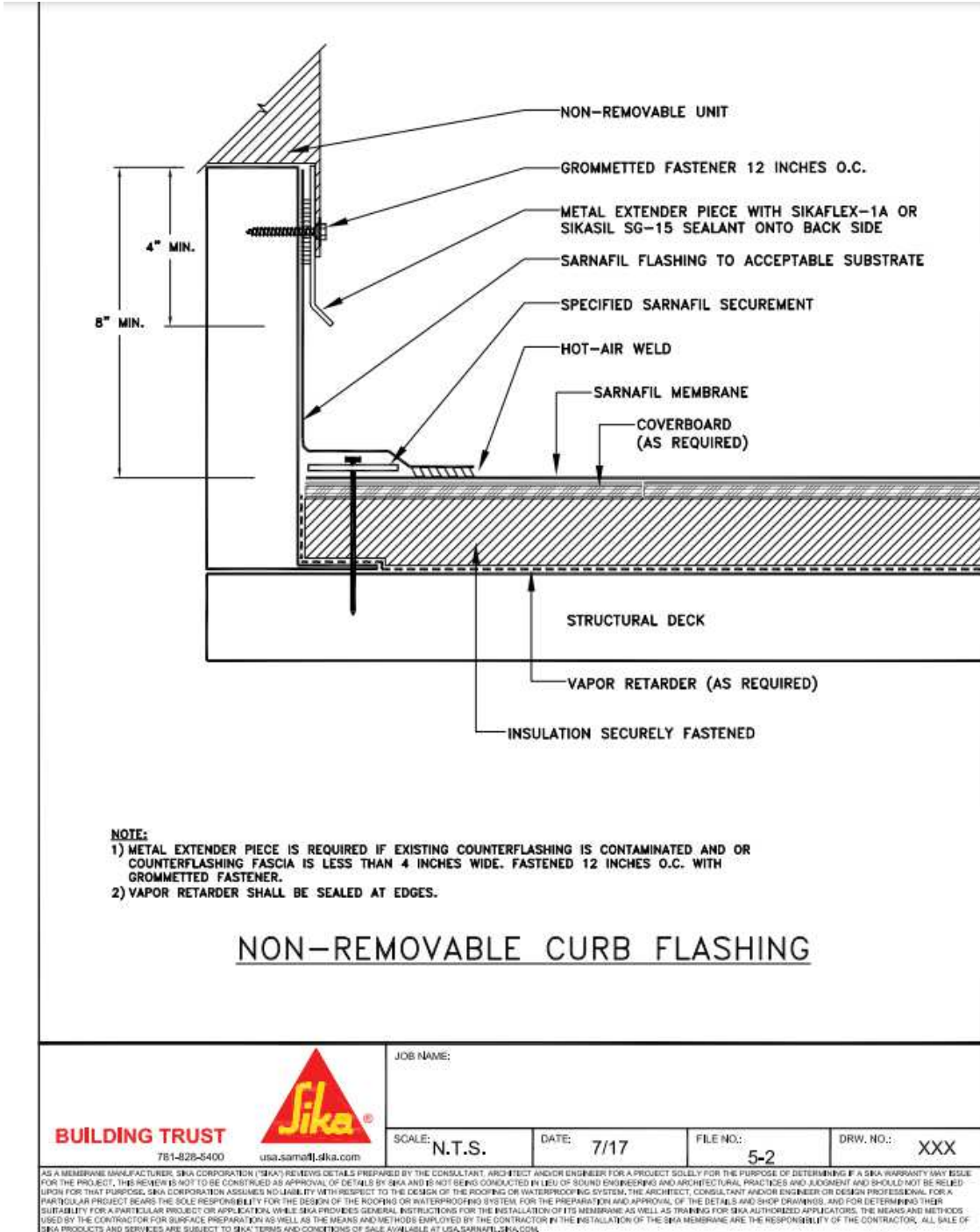


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END OF SECTION

DIVISION 7 – THERMAL AND MOISTURE PROTECTION

SECTION 07201 – ROOF CURB DETAIL



END OF SECTION

DIVISION 7 – THERMAL AND MOISTURE PROTECTION

SECTION 07900 – SEALANT AND CAULKING

PART 1 – GENERAL

1.01 GENERAL REQUIREMENTS: Furnish all labor, materials, tools and equipment necessary to complete all removal work and surface preparation work as specified herein.

1.02 GENERAL PROVISIONS

Except as otherwise indicated, sealants shall be provided to establish and maintain airtight, and weatherproof continuous seals on a permanent basis within recognized limitations of wear and aging for each application and type of sealant material. Provide at all joint locations where weather penetration is possible, where a weather-tight installation is required, and where indicated or required to finish the installation of two or more adjoining materials.

Throughout the Work, caulk and seal all joints where shown on the drawings and elsewhere as required to provide a positive barrier against passage of air and passage of moisture.

1.03 SUBMITTALS

- A. Certificates of Compliance: Submit certificates from the manufacturers attesting that materials meet the specified requirements.
- B. Manufacturers' Descriptive Data: Submit complete descriptive data for each type of material. Clearly mark data to indicate the type the Contractor intends to provide. Data shall state conformance to specified requirements. Data for sealant and caulking shall include application instructions, shelf life, mixing instructions for multicomponent sealants, and recommended cleaning solvents.
- C. Colors: Submit one sample of each color for each sealant and caulking type to verify that products match the adjacent finish colors. Where colors are not indicated, submit not less than 6 different samples of manufacturers' standard colors for selection.
- D. Qualifications of Manufacturers: Products used in the work of this section shall be produced by manufacturers regularly engaged in manufacture of similar items and with a history of successful production.

1.04 DELIVERY AND STORAGE

Deliver materials to the job site in the manufacturers' external shipping containers, unopened, with brand names, date of manufacture, color, and material designation clearly marked thereon. Containers of elastomeric sealant shall be labeled as to type, class, grade, and use. Carefully handle and store all

materials to prevent inclusion of foreign materials.

Replacements: In the event of damage, immediately make all repairs and replacements necessary at no additional cost.

1.05 WARRANTY

The Contractor shall execute to the HHSC a 2-year written warranty after the Project Acceptance Date that the installation will be watertight and that any leaks which develop during that period which are not due to improper use or willful damage will be repaired at no cost to the HHSC. The guaranty shall provide the following at no cost to the HHSC:

- a. Repair of sealants as necessary to seal leaks which are attributable to faulty materials and/or workmanship.
- b. Repair or replacement of damage to the building and/or its finishes, equipment and/or furniture when occasioned by such leaks.

1.06 JOB CONDITIONS

Do not proceed with installation of sealants when temperatures are below or above manufacturer's recommended temperature range for installation. Where joint width is affected by ambient temperature variations, install elastomeric sealants only when temperature are in lower third of the manufacturer's recommended installation temperature range, so that sealant will not be subjected to excessive elongation and bond stress at subsequent low temperatures. Coordinate time schedule with Contractor to avoid delay of project

PART 2 – PRODUCTS

2.01 MATERIALS

Products shall conform to the reference documents listed for each use. Color of sealant and caulking shall match adjacent surface color unless specified otherwise. For ASTM C 920 sealants, use a sealant that has been tested on the type(s) of substrate to which it will be applied.

- A. Interior Sealants: ASTM C 920, Type S or M, Grade NS, Class 12.5, Use NT. For use to seal general building construction joints, windows, doors, etc.
- B. Exterior Sealants: For joints in vertical surfaces, provide ASTM C 290, Type S or M, Grade NS, Class 25, Use NT. For joints in horizontal surfaces, provide ASTM C 920, Type S or M, Grade P, Class 25, Use T. For use to seal general building construction joints, windows, doors, etc.
- C. Floor Joint Sealant: ASTM C 920, Type S or M, Grade P, Class 25, Use

- T. Color of sealant shall be as selected.
- D. Sanitary Sealant: ASTM C920, Type S, Grade NS, Class 25, Use NT, G and A. For use around plumbing fixtures and areas of high moisture. Single component acetoxysilicone sealant.
- E. Primer for Sealants: Provide non-staining, quick-drying type and consistency recommended by the sealant manufacturer for the particular application.
- F. Bond Breakers: Provide type and consistency recommended by the sealant manufacturer for the particular application.
- G. Backstops: Provide glass fiber roving or neoprene, butyl, polyurethane, or polyethylene foams free from oil or other staining elements as recommended by the sealant manufacturer. Backstop material shall be compatible with the sealant. Do not use oakum and other types of absorptive materials as backstops.
- H. Cleaning Solvents: Provide types recommended by the sealant manufacturer.
- I. Asbestos Prohibition: No asbestos containing material or equipment shall be used under this section. The Contractor shall ensure that all materials and equipment incorporated in the project are asbestos free.
- J. General: Except as specifically otherwise directed, use only the type of sealants described in this Section.
- K. Acrylic-Emulsion Sealant:
1. Acrylic-emulsion or latex-rubber-modified acrylic-emulsion sealant compound; permanently flexible, non-staining and non-bleeding; recommended by manufacturer for protected exterior exposure and general interior exposure.
 2. Provide one of the following products:

Dap Acrylic Latex Caulk; Dap, Inc.
Acrylic Latex Caulk; Tremco, Inc.
- I. Colors:
1. Colors for each sealant installation will be selected by the Architect from standard colors normally available from the specified manufacturers.
 2. In concealed installations, and in partially or fully exposed installations, standard gray or black sealant may be used.

2.02 MASKING TAPE

Use masking tape around joints. provide masking tape conforming to Fed. Spec. UU-T-106c.

2.03 OTHER MATERIAL

All other materials, not specifically described but required for complete and proper installation of sealants, shall be first quality of their respective kinds. new and as selected by the Contractor.

PART 3 – EXECUTION

3.01 INSPECTION

Examine the areas and conditions under which work of this section will be performed. Correct conditions detrimental to the proper and timely completion of the work. Do not proceed until unsatisfactory conditions have been corrected.

3.02 SURFACE PREPARATION

Surfaces shall be clean, dry to the touch, and free from moisture, grease, oil, wax, lacquer, paint, or other foreign matter that would tend to destroy or impair adhesion. Where adequate grooves have not been provided, clean out grooves to a depth of ½ inch without damage to the adjoining work. No grinding shall be required on metal surfaces.

3.03 SEALANT PREPARATION

Do not modify the sealant by addition of liquids, solvents, or powders. Mix multicomponent elastomeric sealants in accordance with manufacturer's printed instructions.

3.03 APPLICATION

- A. Elastomeric Sealant Installation Standard: Comply with the requirements of ASTM C 962 for the use of joint sealants as applicable to the materials, applications, and conditions required.
- B. Backstops: Install backstops dry and free from tears or holes. Tightly pack the back or bottom of joint cavities with backstop materials to provide a joint of the depth as recommended by the sealant manufacturer.
- C. Primer: Immediately prior to application of the sealant, clean out all loose particles from joints. Where recommended by sealant manufacturer, apply primer to joints in concrete masonry units, wood, and other porous surfaces in accordance with compound manufacturer's instructions. Do

not apply primer to exposed finish surfaces.

- D. Bond Breaker: Provide bond breakers to the back or bottom of joint cavities, as recommended by the sealant manufacturer for each type of joint and sealant used to prevent sealant from adhering to these surfaces. Carefully apply the bond breaker to avoid contamination of adjoining surfaces or breaking bond with surfaces other than those covered by the bond breaker.
- E. Sealants: Provide sealant compatible with the material to which it is applied. Do not use a compound that has exceeded its shelf life or has become too gelled to be discharged in a continuous flow from the gun. Apply the compound in accordance with the manufacturer's instructions with a gun having a nozzle that fits the joint width. Force sealant into joints to fill the joints solidly without pockets. Sealants shall be uniformly smooth and free from wrinkles. Upon completion of sealant application, roughen partially filled or unfilled joints, apply sealant, and tool smooth as specified.
 - a. General: Prior to start of installation in each joint, verify the joint type according to the details in the drawings and verify that the required proportion of width of joint to depth of joint has been secured. Apply primer to all surfaces as recommended by the manufacturer.
 - b. Equipment: Apply sealant under pressure with hand or power-actuated gun or other appropriate means. Guns shall have nozzle of proper size and shall provide sufficient pressure to completely fill joints as designed.
 - c. Masking: Thoroughly and completely mask all joints where the appearance of sealant on adjacent surfaces would be objectionable.
 - d. Installation of Sealant: Install the sealant in strict accordance with the manufacturer's recommendations, thoroughly filling all joints to the recommended depth.
 - e. Tooling: Tool all joints to the profile shown on the details in the drawings.
 - f. Cleaning Up:
 - 1. Remove masking tape immediately after joints have been tooled.
 - 2. Clean adjacent surfaces free from sealant as the installation progresses. Use solvent or cleaning agent as recommended by the sealant manufacturer.
 - 3. No cleaning of tools or equipment will be permitted within building wash areas.

- F. Concrete and Masonry Surfaces:
1. All surfaces in contact with sealant shall be dry, sound and well brushed and wiped free from dirt.
 2. Use appropriate solvents to remove oil and grease, wiping the surfaces with clean rags.
 3. Where surfaces have been treated, remove the surface treatment by use of sandblasting or wire brushing.
 4. Remove all laitance and mortar from the joint cavity.
 5. Where backstop is required, insert the approved backup material in the joint cavity to the depth required.
- G. Metal Surfaces such as Door Frames:
1. All surfaces in contact with sealant shall be dry, sound and well brushed and wiped free from dirt.
 2. Use appropriate solvents to remove oil and grease, wiping the surfaces with clean rags.
 3. Use as recommended by the manufacturer.
- H. Wood Surfaces:
1. Wood surfaces in contact with sealant shall be cleaned of temporary protective coatings, dirt, oil and grease.
 2. When masking tape is used for a protective cover, remove the tape just prior to applying the sealant.
 3. Use as recommended by the manufacturer.

3.04 PROTECTION AND CLEANING

- A. Protection: Protect areas adjacent to joints from compound smears. Masking tape may be used for this purpose if removed 5 to 10 minutes after the joint is filled.
- B. Cleaning: Immediately scrape off fresh compound that has been smeared on masonry and rub clean with a solvent as recommended by the compound manufacturer. Upon completion of compound application, remove all remaining smears and stains resulting therefrom and leave the work in a clean and neat condition.

END OF SECTION

DIVISION 8 – DOORS AND WINDOWS

SECTION 08110 – METAL FRAMES

PART 1 - GENERAL

1.01 GENERAL REQUIREMENTS: Furnish all labor, materials, tools and equipment necessary to complete all removal work and surface preparation work as specified herein.

1.02 SCOPE OF WORK

A. This section includes everything necessary for and incidental to the execution and completion of metal frame work as shown on the drawings and specified herein.

1.03 RELATED WORK IN OTHER SECTIONS

- A. SECTION 08700 FINISH HARDWARE
- B. SECTION 08210 WOOD DOORS

1.04 MATERIALS

A. Metal Frames

1. Gauge: Minimum 16 U.S. standard gauge.
 - a. Metal Door Frames: Supply "KD" knocked-down type frames.
2. Finish: Factory finished prime coat.
3. Frame Fastening: Provide anchors 6" from head to sill and not over 2' - 0" o.c. equally spaced or as recommended by hollow metal frame manufacturer. To stud wall construction: wire well to studs as recommended by hollow metal frame manufacturer.
4. Hardware Reinforcement: Provide suitable sinkages for mortise or to stiffen sheet metal against the required surface strain. Provide 3/16-inch continuous hinge reinforcement and 12 gauge channel head reinforcing. All other reinforcing to be minimum thickness of 14 gauge.

1.05 WORKMANSHIP

A. General: Finished work must be strong, rigid, and neat in appearance, and comply with the following requirements:

1. Surfaces: Smooth, free from defects, warps and buckles.

2. Mitters: Well formed, in true alignment.
3. Welds: Neatly made, ground flush.
4. Fastenings: Concealed when practical. When exposed, use countersunk oval head screws.
5. Labels: Not applicable.

1.06 SHOP DRAWINGS AND SAMPLES

Drawings to show elevations, sizes, hardware locations and construction of all metal doors and metal frames. Frames shall be identified and correlated with types as indicated on the drawings.

END OF SECTION

DIVISION 8 – DOORS AND WINDOWS

SECTION 08210 – LAMINATE WOOD DOORS

PART 1 - GENERAL

1.01 SCOPE OF WORK

- A. This section includes everything necessary for and incidental to the execution and completion of solid core laminate doors work as shown on the drawings and specified herein.

1.02 QUALITY ASSURANCE

Furnishing of all material for the work of this section to comply with the requirements of the following standards unless otherwise indicated:

- A. ANSI A208.1 - Particleboard.
- B. ASTM E90-90 - Measurement of Airborne Sound Transmission Loss of Building Partitions.
- C. ASTM E 413 - Classification for Rating Sound Insulation.
- D. Architectural Woodwork Standards - AWS Section 9, Doors; Quality Standards of the Architectural Woodwork Institute (AWI) and Woodwork Institute (WI).
- E. Forestry Stewardship Council (FSC) - Guidelines for environmentally certified wood doors.
- F. Intertek Testing Service (ITS Warnock Hersey) - Certification Listings for Fire Doors.
- G. NFPA 80 - Standard for Fire Doors and Fire Windows; National Fire Protection Association.
- H. NFPA 252 - Standard Methods of Fire Tests of Door Assemblies; National Fire Protection Association.
- I. UL 10C - Positive Pressure Fire Tests of Door Assemblies; UL 1784 - Standard for Air Leakage Tests of Door Assemblies.
- J. UL 10B – Fire Tests of Door Assemblies.
- K. United States Green Building Council (USGBC).
- L. Window and Door Manufacturers Association - WDMA I.S.1-A Architectural Wood Flush Doors.
- M. Window and Door Manufacturers Association - WDMA I.S. 10 Industry Standard for Testing Cellulosic Composite Materials for Use in Fenestration Products.

1.03 WARRANTY

- A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace doors that fail in materials or workmanship within the specified warranty period.
 - 1. Failures include, but are not limited to, the following:

- a. Warping (bow, cup, or twist) more than 1/4 inch in a 42-by-84-inch section.
- b. Delaminating of face in decorative laminate faced doors.
- c. Warranty includes installation that may be required due to repair or replacement of defective doors.
- d. Warranty Period for Solid Core Interior Doors: Life of installation according to manufacturer's written warranty.

1.04 PRODUCT DELIVERY, STORAGE AND HANDLING

- A. Comply with requirements of referenced standard and manufacturer's written instructions.
- B. Package clad wood doors individually in plastic bags or cardboard cartons and wrap bundles of doors in plastic sheeting.
- C. Mark each door on top rail with opening number used on Shop Drawings.

1.05 PRODUCTS

- A. Decorative Laminate Doors:
 - 1. Thermal fused flush doors, Aspiro Series as manufactured by Masonite Architectural Doors.
- B. Color: Wilsonart Landmark Wood 7981K-12.
- C. Provide doors with pilot holes factory drilled for vertical edge hinges and lock sets.
- D. Fire Rated Labels: Not applicable.

1.06. INSTALLATION

- A. Storage: Condition all door to the prevailing humidity in the installation area prior to hanging. Do not expose doors to variations of heat, humidity or moisture. Store all doors in a cool, dry place and by method recommended by door manufacturer.
- B. Job Fit All Doors: Provide adequate rough opening for all doors, making provision for shimming, frame installation and frame trim. Align doors to frame for proper fit and uniform clearance at each edge and machine for hardware.
- C. Clearance: Provide clearances of 1/8" at jambs and heads, and 3/8" from bottom of door to top of floor finish or covering.

9. ADJUST AND CLEAN

Upon completion of the work and before final acceptance, ensure all doors operate smoothly. Rehang or replace doors which are hinge bound or do not swing or operate freely, and as directed by the Architect.

END OF SECTION

DIVISION 8 – DOORS AND WINDOWS

SECTION 08700 – FINISH HARDWARE

PART 1 - GENERAL

- 1.01 GENERAL REQUIREMENTS: Furnish all labor, materials, tools and equipment necessary to complete all removal work and surface preparation work as specified herein.
- 1.02 SCOPE OF WORK
- A. The work included in this section of the specifications shall provide for the furnishing and delivering of all finish hardware required for all carpentry, etc. complete as shown on plans.
 - B. The hardware list specified hereinafter has been made for the convenience of the Contractor and covers in general the necessary hardware for work shown on the plans.
- 1.03 MATERIALS
- A. Asbestos Prohibition: No asbestos containing material or equipment shall be used under this section. The Contractor shall ensure that all materials and equipment incorporated in the project are asbestos free.
 - B. Finish: Except as otherwise indicated, finish of hardware throughout shall be satin chromium plated US26D. Butts shall be provided with a satin chromium plated finish US26D. Door closers and hold open devices shall be furnished with a silver enameled finish to match hardware.
 - C. Hardware Delivery: Examine the plans, specifications and details in order to check all items. Hardware shall be separately unit packed, labeled and numbered, so that they can be checked with the hardware list.
- 1.04 KEYING
- A. All locks to be keyed to Leahi Hospital's Sargent Master System.
 - B. Provide lockets with interchangeable cores.
 - C. Provide 4 cut keys (2 original and 2 copies) for each lock.
 - D. The suppliers shall deliver the keys directly to Mr. John Pimental, Director of Facilities KVMH in separate envelopes, sealed and identified by lock and location.

1.05 GENERAL CHARACTER

All hardware shall be of the best quality in construction design and finish, free of defects. Any defective piece shall be replaced by the Contractor at his own expense.

1.06 FASTENING

Furnish necessary screws, bolts and other fastenings for proper application of hardware. Fastenings shall be of a suitable size and type to securely install hardware from heavy use. Fastenings must harmonize with the hardware as to material and finish.

1.07 HARDWARE SCHEDULE

Quality, function, design and finish are specified herein. Match numbers indicated in hardware column of the door schedule with hardware sets listed below.

<u>HW-1: Single Door D/1 to Co-Ed Restroom</u>					
1-1/2 prs.	Hinges	5BB1HW 4.5 x 4.5	26D	Ives	
1	Mortise Privacy Set	L9044 17A L283-722	26D	Schlage	
1	Closer	1461DA *	AL	LCN	
1	Wall Bumper	WS406/407CVX	32D	Ives	
3	Door Silencers	SR64	Gray	Ives	
<u>HW-2: Single Door D/2 to Women's Restroom</u>					
1-1/2 prs.	Hinges	5BB1HW 4.5 x 4.5	26D	Ives	
1	Lockset	5066	26D	DormaKaba	
1	Closer	1461DA *	AL	LCN	
1	Wall Bumper	WS406/407CVX	32D	Ives	
3	Door Silencers	SR64	Gray	Ives	
<u>HW-2: Single Door D/3 from Men's Restroom</u>					
1-1/2 prs.	Hinges	5BB1HW 4.5 x 4.5	26D	Ives	
1	Lockset	5066	26D	DormaKaba	
1	Closer	1461DA **	AL	LCN	
1	Wall Bumper	WS406/407CVX	32D	Ives	
3	Door Silencers	SR64	Gray	Ives	

* Mount on pull side of door.

** Mount on push side of door.

1.08 SCHEDULE

Furnish copies of Schedule of Hardware in compliance with specifications and drawings. List each opening and hardware to be applied. State, material, finish and manufacturer's number for each item.

1.09 FINISH HARDWARE

The Contractor shall carefully adjust all new hardware to perfect working order, to the satisfaction of the Architect. Any defective, damaged and/or missing parts shall be replaced by the Contractor at his own expense.

END OF SECTION

DIVISION 9 - FINISHES

SECTION 09250 – GYPSUM WALLBOARD

PART 1 - GENERAL

1.01 SCOPE

Install gypsum wall board partitions shown on drawings and herein specified.

1.02 DELIVERY, STORAGE AND HANDLING

- A. Deliver materials to the jobsite with manufacturer's labels intact, including testing agency label and fire classification numbers for fire rated materials.
- B. Store materials under cover, completely protected from moisture. Stack materials flat and off the floor or ground.
- C. Handle materials with care to prevent damage.

1.03 MATERIALS

- A. Hazardous Material Prohibition: No hazardous materials or equipment shall be used under this section. The Contractor shall ensure that all materials and equipment incorporated in the project are non-hazardous.
- B. Gypsum board: 5/8", type "X", gypsum wallboard with tapered edges, ToughRock Mold-Guard by Georgia Pacific or approved equal at all areas except as noted.
- C. WR (Water-resistant) Gypsum Board: 5/8", type "X", ProRoc by CertainTeed, moisture and mold resistant gypsum board or approved equal. Provide at all wet locations behind lavatories and counters with sinks. For locations with wall tile refer to Section 9H – Cement Wallboard.
- D. Studs: 20 gauge electro-galvanized steel in 7/8", 1-5/8", 2-1/2" and 3-5/8" widths with floor and ceiling tracks as shown on drawings.
- E. Taped Joint System: Standard perforated tape system, including corner reinforcement and recommended joint compound conforming to ASTM C475.
- F. Fasteners: Self-drilling, self-tapping 1-1/4" or length as required at wood or metal stud framing (Type W), buglehead drywall screws for power driving with special head design for gypsum attachment, producing surface depression for proper concealment. Use other fasteners as required.

- G. WR (Water-resistant) Sealer: W/R joint compound, mixed with 1/2 pint of water per quart of compound to obtain a paint-like viscosity.
- H. Caulking: Highly elastic acrylic caulking as manufactured by the plasterboard manufacturer.
- I. Gypsum Board Finish: Provide "Level 4" finish at all walls.
- J. Sound Attenuation Batts: 16"/406 mm wide, unfaced glass fiber batt insulation as manufactured by Owens-Corning. Sound Attenuation Batts to have the following characteristics:
 - 1. Thickness to be 3-1/2".
 - 2. Flame spread: 10.
 - 3. Smoke developed: 10.
 - 4. NRC: 1.00 minimum.

1.04 INSTALLATION

Shall be in strict accordance with manufacturer's instructions and as specified and/or indicated on drawings.

- A. Fasten gypsum board metal studs with screws spaced as per the manufacturer's instructions or as indicated by the wall system design number.
- B. Treat all joints, screw heads and other depressions in the surface of the wallboard in accordance with manufacturer's printed recommendations, with a taped joint system.
- C. Treat all internal angles formed by the intersection of wallboard with either wallboard or other wall surfaces with a taped joint system.
- D. Treat all vertical or horizontal external corners with metal bead corner reinforcement applied in accordance with manufacturer's directions.
- E. No painting over gypsum board work until taped joints are thoroughly dry
- F. Locate metal studs not more than 2" from all door jambs abutting partitions and partition corners.
- G. Where horizontal metal supports for fixtures are required, they shall be constructed using metal studs cut to length to fit between studs and notched so as to form legs at each end which shall be securely attached to the vertical studs by screws. Provisions for heavy fixture support shall be as detailed on the drawings.
- H. Arrange joints so that joints on opposite sides of wall occur on different studs.

END OF SECTION

DIVISION 9 - FINISHES

SECTION 09310 – TILE

PART 1 - GENERAL

1.01 SUBMITTALS

- A. Samples: Samples of wall tiles shall be submitted to the Architect for review and approval.

1.02 MATERIALS

- A. Asbestos Prohibition: No asbestos containing material or equipment shall be used under this section. The Contractor shall ensure that all materials and equipment incorporated in the project are asbestos free.
- B. Wall Tile: Emser, Collection: Cuadro. Color: Fawn. Size: 4"x5", flat 0914 Mosaic.
- C. Thinset: Laticrete 254 Platinum polymer-fortified thin set.
- D. Grout: Laticrete SpectraLOCK PRO epoxy grout. Color to be selected from manufacturer's standard color line.
- E. Sealant at Joints: Laticrete Latasil 100% silicone sealant, color matched to epoxy grout.
- F. Water: Fresh, clean and drinkable.

1.03 PREPARATION

Before any work is begun, the Tile Contractor shall inspect the wall on which tile work is to be applied. Such surfaces shall be sound, clean, free of oily film, and in proper condition: if not, the Tile Contractor should report defective conditions to the Contractor for corrective measures. Proceeding with the tile work will imply acceptance of the surface by the Tile Contractor. Coordinate work with other trades as necessary.

1.04 INSTALLATION

- A. Tile:
 - 1. All cutting and drilling shall be done without marring the surfaces. If cutting is necessary, all cut ends shall be rubbed smooth and even.
 - 2. Laticrete 254 Platinum thinset shall be freshly prepared prior to use.

- B. Grouting and Pointing of Joints: Joints shall be saturated with water and then grouted with a prepared tile grout mixed to a uniform creamy consistency by forcing the grout into the joints to full depth. Remove surplus grout before it has hardened and leave the face of the tile clean. Tool joints of cushion edge tile to depth of cushion.
- C. Cleaning: Upon completion of tile work, remove all rubbish, unused material, etc., and give the finished surface a thorough cleaning. Protect tile work until acceptance of the project.

END OF SECTION

DIVISION 9 - FINISHES

SECTION 09651 – SHEET VINYL FLOORING

PART 1 - GENERAL

1.01 SCOPE

Install gypsum wall board partitions shown on drawings and herein specified.

1.02 MATERIALS

- A. Sheet Vinyl and Base: AHF Contract, Collection: Mixed & Varigated. Color: iHG2M012 City Dweller. Homogenous sheet vinyl and integral base.
- B. Base: Provide integral 6” high sheet vinyl base.

1.03 INSPECTION

- A. Examine subfloors prior to installation to determine that surfaces are smooth and free from cracks, holes, ridges, and other defects that might prevent adhesive bond or impair durability or appearance of the flooring material.
- B. Inspect subfloors prior to installation to determine that surfaces are free from curing, sealing, parting and hardening compounds; residual adhesives; adhesive removers; and other foreign materials that might prevent adhesive bond. Visually inspect for evidence of moisture, alkaline salts, carbonation, dusting, mold, or mildew.
- C. Report conditions contrary to contract requirements that would prevent a proper installation. Do not proceed with the installation until unsatisfactory conditions have been corrected.
- D. Failure to call attention to defects or imperfections will be construed as acceptance and approval of the subfloor. Installation indicates acceptance of substrates with regard to conditions existing at the time of installation.

1.03 WORKMANSHIP

Applicators must be approved by the manufacturer of the materials used. Install finished materials after other Trades have completed their work. Apply all materials in strict accordance with the printed specification of the manufacturer. Seams must be straight and close fitting.

1.05 PREPARATION

- A. Smooth concrete surfaces, removing rough areas, projections, ridges, and bumps, and filling low spots, control or construction joints as recommended by the flooring manufacturer.
- B. Remove paint, varnish, oils, release agents, sealers, and waxes. Remove residual adhesives as recommended by the flooring manufacturer. Remove curing and hardening compounds not compatible with the adhesives used, as indicated by a bond test or by the compound manufacturer's recommendations for flooring. Avoid organic solvents.
- C. Perform Relative Humidity Test (In-Situ Probe Test) on concrete slab to receive sheet vinyl flooring per most current ASTM F2170 standards.
- D. Vacuum or broom-clean surfaces to be covered immediately before the application of flooring. Make subfloor free from dust, dirt, grease, and all foreign materials.

1.06 INSTALLATION OF SHEET FLOORING

- A. Install flooring as recommended by flooring manufacturer.
- B. Install flooring wall to wall before the installation of floor-set cabinets, casework, furniture, equipment, movable partitions, etc. Extend flooring into toe spaces, door recesses, closets, and similar openings as shown on the drawings.
- C. If required, install flooring on pan-type floor access covers. Maintain continuity of color and pattern within pieces of flooring installed on these covers. Adhere flooring to the subfloor around covers and to covers.
- D. Scribe, cut, and fit or flash cove to permanent fixtures, columns, walls, partitions, pipes, outlets, and built-in furniture and cabinets.
- E. Adhere flooring to the subfloor without cracks, voids, raising and puckering at the seams. Roll with a 100-pound (45.36 kilogram) roller in the field areas. Hand-roll flooring at the perimeter and the seams to

assure adhesion. Refer to specific rolling instructions of the flooring manufacturer.

- F. Lay flooring to provide a minimum number of seams. Avoid cross seams, filler pieces, and strips. Match edges for color shading and pattern at the seams in compliance with the manufacturer's recommendations.
- G. Install flooring with adhesives, tools, and procedures in strict accordance with the manufacturer's written instructions. Observe the recommended adhesive trowel notching, open times, and working times.
- H. Prepare heat-welded seams with special routing tool supplied for this purpose and heat weld with vinyl welding rod in seams. Use methods and sequence of work in conformance with written instructions of the flooring manufacturer. Finish all seams flush and free from voids, recesses, and raised areas.
- I. Provide integral flash cove wall base as shown on the drawings, including cove fillet support strip and top metal edge cap trim. Construct flash cove base in accordance with the flooring manufacturer's instructions.

1.07 INSTALLATION OF ACCESSORIES

- A. Apply top set wall base to walls, casework, and other permanent fixtures in areas where top-set base is required. Install base in lengths as long as practical, with inside corners fabricated from base materials that are mitered or coped. Tightly bond base to vertical substrate with continuous contact at horizontal and vertical surfaces.
- B. Fill voids with plastic filler along the top edge of the resilient wall base or integral cove cap on masonry surfaces or other similar irregular substrates.

1.08 CLEANING AND PROTECTION

- A. Perform initial maintenance according to manufacturer's recommendations.
- B. Protect installed flooring as recommended by the flooring manufacturer against damage from rolling loads, other trades, or the placement of fixtures and furnishings.
- C. Remove adhesives from face of flooring and from work of other Trades in manner and with materials recommended by the floor covering

manufacturer. Do not wet mop nor move equipment over floors until flooring has become set. Thoroughly clean all surfaces of covering. The General Contractor shall provide cover protection of sheet vinyl flooring as required.

END OF SECTION

DIVISION 9 - FINISHES

SECTION 09901 - PAINTING

PART 1 - GENERAL

1.01 GENERAL PROVISIONS

- A. Airless Spraying: Airless spray painting shall not be permitted on this project. All application shall be by brush or roller.
- B. Application: The Contractor shall strictly conform with all Manufacturer's written instructions and recommendations for all material application.
- C. Right of Rejection: The HHSC Representative shall have the right to reject all work which is not in compliance with the plans and specifications. Rejected work shall be redone at no cost to the Hospital.
- D. All materials shall have low or no volatile organic compounds (VOC). The HHSC Representative reserves the right to stop all and any application work and the use of materials emitting offensive odors.

1.03 SUBMITTALS

Submit in accordance with SECTION 01300 – SUBMITTALS.

- A. Schedule of Finishes
 - 1. 4 sets of proposed painting finish schedule shall be submitted to the Engineer for approval. The schedule shall indicate the wet film thickness (mils) at which the proposed paints/coatings will be applied that are necessary to achieve the final dry film thickness indicated on the Schedule of Finishes under Section 2.02.
- B. Color Samples: It is the intent for all painting required in the section to match the existing adjoining painted surfaces as close as possible in color and finish. Therefore, samples shall not be required.
- D. Guaranty: 3 copies of a written guarantee shall be submitted to the HHSC Representative.

1.04 GUARANTY

- A. The Contractor shall guarantee that the work performed under this section conforms to the contract requirements and is free of any defect of material or workmanship performed by the Contractor. Such guarantee shall continue for a period of 2 years from the date of project acceptance during which period the Contractor shall remedy at his own expense any such failure to conform or any such defect.

- B. The HHSC Representative shall notify the Contractor in writing within a reasonable time after discovery of any failure or defect.
- C. Should the Contractor fail to remedy any failure or defect described in Paragraph A above within 10 working days after receipt of notice thereof, the HHSC Representative shall have the right to repair or otherwise remedy such failure or damage at the Contractor's expense.

1.05 SPECIAL REQUIREMENTS

A. Codes

- 1. The Contractor shall comply with the State OSHL (Occupational Safety and Health Law) and all pollution control regulations of the State Department of Health.

B. Protection

1. Persons

- a. The Contractor shall take all necessary precautions to protect occupants, staff and public from injury.
- b. The Contractor shall provide, erect and maintain safety barricades around scaffolds, hoists and wherever Contractor's operations create hazardous conditions in order to properly protect the students, faculty, staff and public.

- 2. Completed Work: The Contractor shall provide all necessary protection for wet paint surfaces.

- 3. Protective Covering: The Contractor shall provide and install protective covering over furniture, equipment, floor and other areas that are not scheduled for treatment. Protective covering shall be clean sanitary drop cloth or plastic sheets. Paint applied to surfaces not scheduled for treatment shall be completely removed and surfaces shall be returned to original condition.

- 4. Safeguarding of Property: The Contractor shall take whatever steps may be necessary to safeguard his work and also the property of the Maluhia Hospital and other individuals in the vicinity of his work area during the execution of this Contract. He shall be responsible for and make good on any and all damages and for losses to work or property caused by his or his employee's negligence.

Should surface preparation work include power-washing of the existing surface, the Contractor shall take all necessary precautions to control water run-off. Failure to take this precaution

shall be grounds to stop the work of the project until a satisfactory solution is provided. Costs for this action shall be borne by the Contractor.

5. Fire Safety: The Contractor shall direct his employees not to smoke in the vicinity and exercise precautions against fire at all times. Waste rags, plastic (polyester sheets), empty cans, etc. shall be removed from the site at the end of each day.
- C. Storage Area for Materials: No paint material, empty cans and paint brushes and rollers may be stored in buildings, but shall be stored in separate storage facilities away from the buildings. The Contractor may furnish a job site storage facility. Such facility shall comply with requirements of the local Fire Department. The storage area shall be kept clean and facility shall be locked when not in use or when no visual supervision is possible.
- D. Sequence of Operations: The sequence of operations shall divide the surfaces into work areas and present a schedule for:
 1. Surface preparation and spot prime.
 2. Prime coat.
 3. First finish coat.
 4. Second finish coat.
- E. Protection, Removal, Trimming of Landscaping: The Contractor shall coordinate with the University on the location of scaffolding, platforms, etc., within the landscaping surrounding the buildings. The Contractor shall be responsible for all trimming and removal or relocation of landscaping as necessary. The Contractor shall be responsible for protection of all landscaping to remain.

1.06 AREAS TO BE PAINTED

A. Surfaces to be Painted

1. Interior:
 - a. All new exposed fabrications not prefinished, new mechanical piping, new electrical conduits, and touch-up of existing surfaces for the work of this project.
2. All questions regarding the extent of work shall be addressed to the HHSC Representative for clarification. The Contractor's bid shall assume, that unless noted otherwise, all questionable surfaces shall be assumed to be painted unless directed by the HHSC Representative otherwise.

B. Work Incidental to Painting

1. Other items as noted in the drawings or herein specified.

PART 2 - PRODUCTS

2.01 MATERIALS

The Contractor shall be responsible for furnishing to the University quantities of each paint material required. The paint materials will generally meet the following requirements.

- A. Asbestos Prohibition: No asbestos containing materials or equipment shall be used under this section. The Contractor shall ensure that all materials and equipment incorporated in the project are asbestos-free.
- B. Lead Prohibition: All paints shall be lead-free.
- C. Mercury Prohibition: All paint shall be mercury- free.
- D. Chromate Prohibition: All paint shall be free of zinc-chromate and/or strontium-chromate.
- E. Cadmium Prohibition: All paint shall be cadmium free.
- F. All materials shall be low or no VOC and shall not produce offensive odors unless otherwise specified. Should offensive odors be produced, the contractor shall immediately stop and cease to use such product until an acceptable ventilation system can be provided by the contractor to remove such offensive odors. Provide ventilation in conformance with manufacturer's recommendations. If a ventilation system is required, the cost of such measures shall be borne by the contractor.
- G. Paints shall be as manufactured by Benjamin Moore, Glidden Professional, Sherwin Williams, Pittsburg Paint or pre-approved equal.
- H. Thinning of paint shall be done using material recommended by the manufacturer. Mix proprietary products according to manufacturer's printed specifications. Compound thinner, mineral oil, kerosene, refined linseed oil, or gasoline shall not be used for thinning.
- I. Except for metal primers all paint shall contain the maximum amount of mildewcide per gallon of paint permitted by the mildewcide manufacturer without adversely affecting the quality of the paint.

2.02 SCHEDULE OF FINISHES

- A. The Schedule of Finishes is made for the convenience of the Contractor and indicates the types and quality of finishes to be applied to the surfaces.
- B. Any existing painted surface not specifically noted in the finish schedule shall be finished to match adjoining work.
- C. Additional paint materials not included in the Schedule of Finishes, however, required for the conditions of the site, shall be provided by the Contractor for a complete paint/repaint project.

PART 3 - EXECUTION

3.01 WORKMANSHIP

- A. Apply all materials in strict accordance with the manufacturer's printed instructions with paint evenly spread and well applied with no drops, runs, or sags. Do not apply paint on wet or damp surfaces nor until preceding coat of paint is thoroughly dry, and in the case of woodwork, well sanded. Particular attention shall be made to sanding between finish coats. All finishes are intended to thoroughly cover in the number of coats listed, using the quality of paint specified. If paints are thinned, apply sufficient additional coats as required to provide full and complete coverage, with no shadows, spots, streaks, voids, color bleed-through, or other defects.
- B. Identification of coatings: Each coat shall be tinted a slightly different shade from the preceding coat so that it can be readily identified. Finish coat shall match approved sample for each portion of work.
- C. All surfaces adjacent to areas being finished shall be protected and left clean of paints, stains, etc. Clean drop cloths shall be used until completion of job.
- D. All mixing shall be done outside the building.
- E. All waste materials shall not be left in or near the building but shall be stored in proper metal containers.
- F. Take all necessary precautions to prevent or minimize dust from surface preparation work from becoming airborne and spreading beyond the immediate work area. If directed by Maluhia Hospital's representative, provide a dust barricade around the work area at no additional cost to Maluhia Hospital.

3.02 PREPARATION OF SURFACES

- A. The painting contractor shall be wholly responsible for the finish of his work and shall not commence any part of it until surfaces are in proper

condition. If painting contractor considers any surfaces unsuitable for proper finish of his work, he shall notify the General Contractor of this fact and he shall not apply any material until the unsuitable surfaces have been made satisfactory. Major defects shall be restored by the proper trades. In general, follow paint manufacturer's directions for surface preparation for the paint to be applied.

B. All surfaces:

1. All surfaces shall be free of all contaminants, including oils, greases dirt, grime, loose paint, chalk, imbedded contaminants, rust, mildew and/or any surface contaminants that will impede the proper adhesion and appearance of the finishes to be applied.
2. Remove surface "chalk" by a soap and water scrubbing. Rinse thoroughly.
3. Existing surfaces, where touch-up is required, to which new paint is to be applied shall be tightly bonded to the subsurface.
4. Remove all mildew by scrubbing with a commercial mildew wash formulated for this purpose such as Jomax or pre-approved equal. Apply per manufacturer's written instructions and adhere to all cautions. Allow 15 – 20 minutes dwell time before rinsing. If necessary, scrub surfaces to remove mildew and dirt. Work from the top to bottom. Thoroughly rinse with clean, fresh water and allow surfaces to dry thoroughly before proceeding. Repeat above process if necessary to insure removal of all milder contamination.

C. Scuff-sand glossy surfaces scheduled for painting to insure proper adhesion.

D. Unprimed galvanized metal shall be washed with a solution of chemical phosphoric metal etch and allowed to dry.

E. All metal surfaces shall be made clean and free of any defects or condition that may produce unsatisfactory finish.

3.03 PAINT APPLICATION

A. General : All materials shall be applied in accordance with the manufacturer's specifications and the finished surfaces shall be free from runs, sags, drops, ridges, waves, laps, streaks, brush marks and variations in color, texture and finish (glossy or dull). The coverage shall be complete and each coat shall be so applied as to produce a film of uniform thickness. No paint materials shall be applied until the preceding coat is thoroughly dry and approved.

- B. Application: Application shall be by brush or roller only. Paint coating shall be dressed down in one direction.
- a. Perform all painting and finishing, using specified materials applied by thoroughly experienced, skilled workmen.
 - b. Apply by hand brushing or rollers, except where specifically authorized by Architect to do otherwise.
 - c. Flow on materials to insure smooth, even coats, free from soil, runs, brush marks, sags and laps. Apply proprietary paint products in strict accordance with manufacturer's directions.
 - d. Painting where executed in contrasting color tones. Cut to meet true lines against contrasting colors. Holidays and restrikes in painted areas shall be considered sufficient cause to require recoating of entire surface.
 - e. Doors: No painting required.
 - f. Sanding: In addition to preparatory sanding, fine sand between succeeding coats of enamel, using sandpaper appropriate to the finish.
 - g. Putty nail holes in all pre-finished trim and touch-up putty and other defects to match finish.
 - h. Application: Shall be by brush or roller. Airless spraying not permitted.
 - i. Colors: Each coat shall be tinted a different shade from the preceding coat. Colors to match existing. Refer to Interior Finish Schedule for paint color and location.

C. Schedule of Paint Treatments:

- a. The schedule of finishes is made for the convenience of the Contractor and indicates the types and quality of finishes to be applied to the surfaces. Number of coats shown are for guide only. **Additional coats may be required to provide proper coverage.**
- b. Any existing painted surfaces not specifically noted in the finish schedule shall be finished to match adjoining work.
- c. All paints specified are by Benjamin Moore Paints and Glidden, unless otherwise noted.

Interior Finish Schedule:

1. Drywall
 - First Coat.....N23 Multi-Purpose Latex Primer
 - Second Coat.....528 Aura Waterborne Interior Semi-Gloss Finish
 - Third Coat.....528 Aura Waterborne Interior Semi-Gloss Finish

2. Drywall and Concrete Ceiling/Soffits
 - First Coat.....N23 Multi-Purpose Latex Primer
 - Second Coat.....524 Aura Waterborne Interior Eggshell Finish
 - Third Coat.....524 Aura Waterborne Interior Eggshell Finish

3. Existing Painted Surfaces (Plaster, Concrete and Drywall)
 - First Coat.....524 Aura Waterborne Interior Eggshell Finish
 - Second Coat..... 524 Aura Waterborne Interior Eggshell Finish

4. Metal (Galvanized)
 - First Coat..... N23 Multi-Purpose Latex Primer
 - Second Coat.....528 Aura Waterborne Interior Semi-Gloss Finish
 - Third Coat.....528 Aura Waterborne Interior Semi-Gloss Finish

- D. Colors: Each coat shall be tinted a different shade from the preceding coat. Colors shall generally match the existing building colors or as selected by the HHSC Representative.
 - a. Number of coats schedule are minimum; provide paint finishes free from cloudy or mottled surfaces, and with complete coverage of even uniform color. Spot prime or undercoat as necessary.
 - b. Apply paints and finishes in order scheduled, unless otherwise directed. Where more than one coat of paint is scheduled, tint undercoats to approximately same color, but vary the shade of succeeding coats for identification.
 - c. Do not apply succeeding coats until undercoats are thoroughly dry.
 - d. After completion of work, do all necessary touching up of all the painting and finishing and leave work in perfect condition. Additional coats will be required where finished work is not in complete compliance with all requirements of these specifications, including required inspections and approvals made during the course of the work.

3.04 PROTECTION OF PROPERTY

The Contractor shall be responsible for condition of work area in his charge. He shall protect adjacent work and materials from soiling or damage as well as his own. The storage and handling of paints and thinners shall be in accordance with the safety provisions and codes covering such handling and storage.

3.05 INSPECTION

All areas shall be provided for inspection of the work by the Engineer at any time. Any work not conforming to these specifications shall be cleaned off, and repainted at the expense of the Contractor.

3.06 ELECTRICAL

- A. Electrical apparatus, light fixtures, and equipment having a factory applied baked enamel finish are not to be painted. Touch-up painting of this equipment shall be the responsibility of the Electrical Contractor.
- B. Paint all exposed non-factory finished interior and exterior electrical conduits, fittings, boxes, etc. Galvanized items to receive one coat of galvanized iron primer and two coats finish to match surrounding surfaces. Factory primed items to receive two coats finish to match surrounding surfaces.
- C. Paint front of flush mounted electrical panels and cabinets in finished areas to match adjacent wall surfaces.

3.07 MISCELLANEOUS

- A. Clean-up
 - 1. During the progress of the work, all debris, empty crates, waste, drippings, etc. shall be removed by the Contractor and the grounds about the areas to be painted shall be left clean and orderly at the end of each work day.
 - 2. Upon completion of the work, staging, scaffolding, containers and all other debris shall be removed from the site. All paint, shellac, oil, or stains splashed or spilled upon adjacent surfaces not requiring treatment (hardware, fixture, floor, glass) shall be removed and the entire job left clean and acceptable.

END OF SECTION

DIVISION 10 - SPECIALTIES

SECTION 10160 – PHENOLIC TOILET PARTITIONS

PART 1 - GENERAL

1.01 SCOPE

Work under this section shall include everything necessary and incidental to the execution and completion of the floor anchored and wall braced phenolic plastic toilet compartment doors and stiles work as shown on drawings and as specified herein.

1.02 COORDINATE WITH OTHER SECTIONS

Coordinate the installation of accessories noted under Section 10A – Toilet Room Accessories.

1.03 REFERENCES

The publications listed below form a part of this specifications:

- A. 2010 ADA Standards for Accessible Design
- B. National Electrical Manufacturers Association Standards LD 3.1 - Performance, Application, Fabrication and Installation of High-Pressure Decorative Laminates.
- C. American Society for Testing and Materials (ASTM) E 84 - Standard Test Method for Surface Burning Characteristics of Building Materials.

1.04 GENERAL REQUIREMENTS

Toilet compartment which are accessible to the physically handicapped shall be in conformance with the criteria noted in the Architectural Barriers Act (ABA).

1.05 SUBMITTALS

The contractor shall submit the following to the Architect:

- A. Proposed (selected) manufacturer's current brochures, specifications and shop drawings showing construction and installation details. Drawings shall indicate the elevations of partitions, hardware, fittings mounting brackets, proposed method of anchoring and other related items and installation details.
- B. Manufacturer's certificate attesting that his materials meet or exceed the specified requirements.

1.06 PRODUCT HANDLING

- A. Materials shall be delivered to the jobsite in their original sealed containers bearing the name of the manufacturer and brand designation.
- B. Items shall be delivered and stored in a manner that ensures they will be protected against damage.

1.07 MANUFACTURERS

- A. Bobrick Washroom Equipment, Incorporated. 1082 Series Duraline Compact Laminate Partitions. Color to be selected from manufacturer's standard color line.
- B. The products of other manufacturers are acceptable provided they meet or exceed the material and construction requirements specified hereinafter.

1.08 MATERIALS AND CONSTRUCTION

- A. Asbestos Prohibition: No asbestos containing material or equipment shall be used under this section. The Contractor shall ensure that all materials and equipment incorporated in the project are asbestos free.
- B. General: Compartments shall be of the type and size specified and as shown on the plans.
- C. Phenolic Plastic Doors, Stiles and Pilasters:
 - 1. Shall be fabricated with a solid phenolic core of multiple resin-impregnated kraft paper sheet with a matte finish melamine surface fused under high temperature and pressure.
 - 2. The exposed finish surfaces shall be self-lubricating; smooth; waterproof; non-absorbent; stain, chemical and graffiti resistant.
 - 3. Phenolic Plastic shall have a Class A or B Flame Spread Rating and a maximum Smoke Developed Rating of 450 on conformance with ASTM E 84.
 - 4. Edges shall be machined smoothed with 1/16" radius corners.
- D. Doors:
 - 1. Phenolic plastic a minimum of 3/4" thick.
- E. Stiles and Pilasters:

1. Pilaster and stiles for floor anchored and wall braced compartments shall have adjustable floor anchors with leveling devices, studs and locking nuts to firmly secure pilasters and stiles.
2. Partitions, stiles and pilaster shall be phenolic plastic having partitions a minimum of 1" thick and stiles and pilasters a minimum of 3/4" thick.

F. Hardware and Fittings:

1. Doors, partitions and pilasters shall be furnished with the necessary hardware and fittings to provide a complete installation. They shall be pre-cut to facilitate erection and minimize field errors.

G. Materials: Hardware and fittings shall be either satin-finish stainless steel, anodized extruded aluminum or chrome plated brass. Non-ferrous alloys such as Zamac castings shall not be used.

H. Door Hinges: Stainless steel (minimum 16 ga.) or extruded aluminum, continuous the full height of the door, through bolted to the door and stile with twelve (12) theft-resistant one-way stainless steel or chrome plated brass screws at approximately 12" on-center.

I. Brackets: Stainless Steel (18 ga. minimum, Type 304) or extruded aluminum approximately 1/8" thick, continuous the full height of the partition or stile. Acceptable bracket sections are "L", "T" and "F". Brackets shall be through bolted to partitions and stiles/pilasters with theft-resistant one-way stainless steel or chrome plated brass screws spaces at approximately 12" o.c. Brackets shall be secured to concrete or solid grouted masonry walls using theft-resistant one-way stainless steel or chrome plated brass bolts with lead or steel expansion shields spaced at approximately 12" o.c. Bracket attachments to masonry walls at un-grouted cells shall be with theft-resistant stainless steel or chrome plated brass toggle-bolts at approximately 12" o.c. The number of fasteners to be provided at each connection are as follows:

Bracket to Partition: 6
Bracket to Stile/Pilaster: 12
Bracket to Wall: 12

J. Latches: The latch shall be of a shape which is easy to grasp with one hand and which does not require tight grasping, tight pinching or twisting of the wrist to operate and shall be operable by a person on the outside in the event of an emergency. Mechanism such as slide bolts with a projecting handle on the inside of the stall which can be opened by a person on the outside reaching over the door with a stick are acceptable.

K. Door Pulls: Handicap accessible toilet stalls doors shall be furnished with a grab bar/door pull, 18" long, mounted horizontally on the inside face of the door adjacent to the hinge to facilitate closing of the door upon entry.

- L. Coat Hook/Door Bumper: Furnish one each per door.
- M. Shoe: All pilasters and stiles shall have a 3-inch high minimum trim cover or shoe of Type 302 or 304 stainless steel, chrome plated brass or anodized extruded aluminum at the floor.
- N. Hardware mounting heights: The highest part of any handle, pull, grab bar, latch or operating mechanism shall be at 36 inches maximum above the finished floor.
- O. Fasteners: Hardware and fittings shall be fastened with theft-resistant one-way stainless steel or chrome plated brass through-bolts or machine screws in factory installed steel inserts.

1.09 INSPECTION

The Installer together with the Contractor shall examine the areas and conditions under which toilet stall doors, partitions and stiles/pilaster are to be installed. Should any conditions be found unsuitable, no work shall be performed until the unsatisfactory conditions have been corrected and are acceptable to the Installer. Proceeding with the work will imply acceptance of the conditions by the Installer.

1.10 INSTALLATION

- A. Compartments shall be erected in strict accordance with the manufacturer's instructions.
- B. All parts shall be securely screwed and/or bolted tight, well-anchored to the wall, true to line, level and plumb, with doors and hardware placed at the proper heights and in proper operating condition.
- C. The following uniform clearances shall be provided:
 - a. 1/2" maximum between the stiles/pilasters and partitions.
 - b. 1" maximum between stiles/pilasters/partitions and walls.
 - c. 3/16" maximum between stiles/pilasters and doors.
- D. Anchorage to concrete or to masonry at grouted cells shall be bolts with lead or steel expansion shields. Anchorage to masonry at ungrouted cells or to gypsum board shall be with toggle bolts.

1.11 PROTECTION AND CLEANING

- A. Protect the work of other trades against damage, injury or soiling.

- B. After installation, clean exposed surfaces with cleaners recommended and approval by the manufacturer and protect from damage.
- C. Adjust hardware and lubricate moving parts as necessary to ensure smooth operation.
- D. Repair and restore adjacent surfaces that are marred or damaged as a result of the installation of toilet partitions to their original condition. Leave adjacent surfaces in a neat and clean condition.

END OF SECTION

DIVISION 10 - SPECIALTIES

SECTION 10800 – TOILET ROOM ACCESSORIES

PART 1 - GENERAL

1.01 SCOPE

This section includes everything necessary for and incidental to the execution and completion of the toilet room accessories (furnishing and installing) as indicated on the drawings and as specified herein.

Coordinate with Section 6B - Finish Carpentry, all required backing (provide fire treated lumber if wood is used) for proper installation of toilet room accessories.

1.02 MATERIALS

A. Accessories shall be models listed below or approved equals. Model numbers refer to "Contura" Series by Bobrick equipment unless noted otherwise.

1. Surface Mounted Toilet Seat Cover DispenseR.....B-4221
2. Surface Mounted Paper Towel Dispenser.....OFCl
3. Toilet Paper Dispenser.....OFCl
4. 1-1/2" Diameter Grab Bars w/Concealed Mounting..B-6806 (36" & 42")
5. Wall Mounted Mirrors 24"w x 48"h.....B-290 2448
6. Surface Mounted Toilet Seat Cover Dispenser.....B-4221
7. Surface Mounted Soap Dispensers.....OFCl


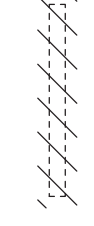
B. Items noted above as "OFCl" are to be Owner-Furnished, Contractor Installed.

1.03 INSTALLATION

Accessories shall be located in areas indicated on the drawings or as noted. Provide necessary grounds, inserts, screws and bolts as required to provide adequate anchorage.

END OF SECTION

DEMOLITION WORK LEGEND

-  EXISTING WALL PARTITION TO REMAIN
-  REMOVE EXISTING WALL PARTITION

DEMOLITION WORK NOTES

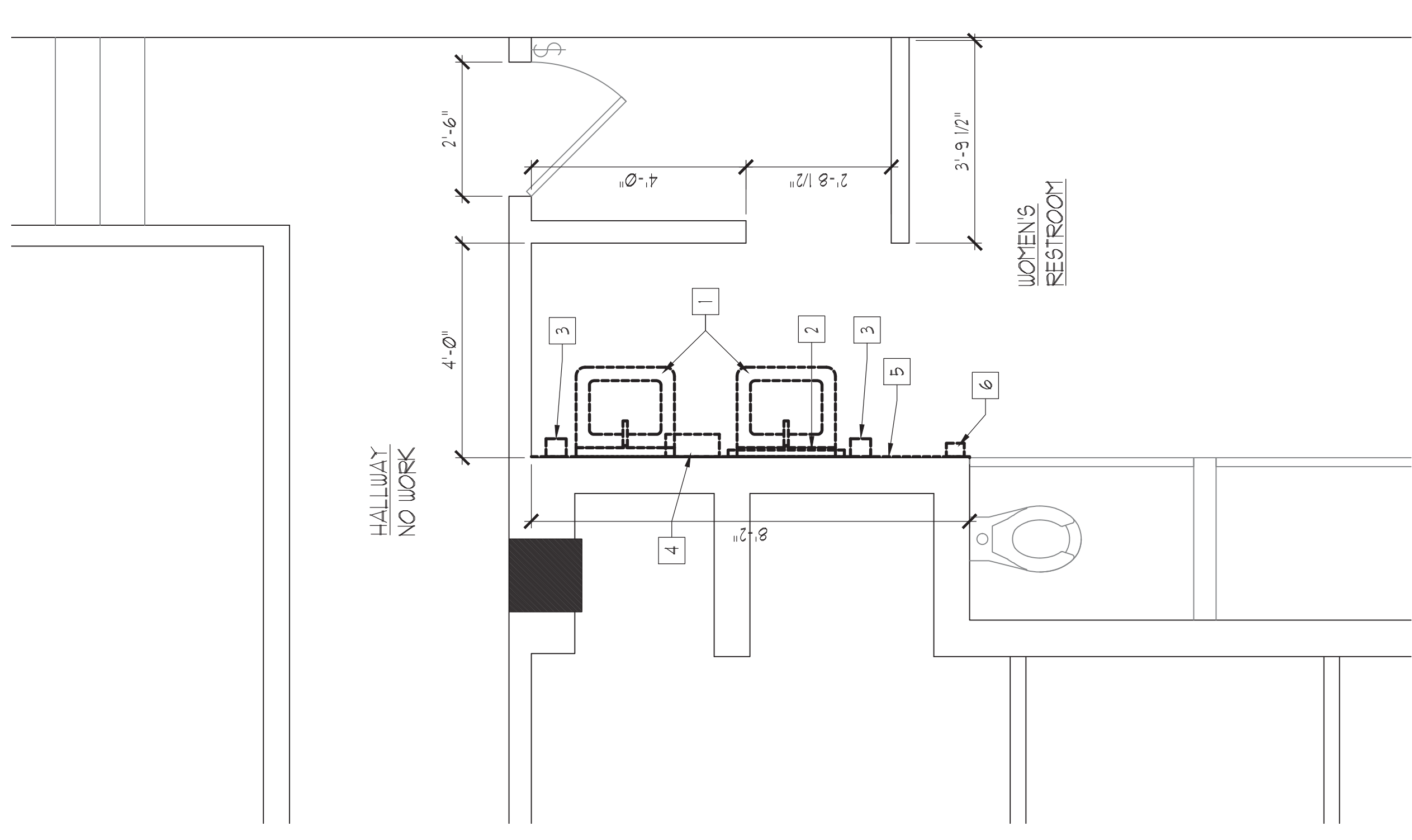
SYMBOL	DESCRIPTION
1	REMOVE & REPLACE EXISTING LAVATORY
2	REMOVE & REPLACE EXISTING MIRROR
3	REMOVE & SALVAGE EXISTING SOAP DISPENSER
4	REMOVE & SALVAGE EXISTING PAPER TOWEL DISPENSER
5	REMOVE WALL TILE
6	REMOVE & REPLACE EXISTING WALL MOUNTED FIRE ALARM

NEW WORK NOTES

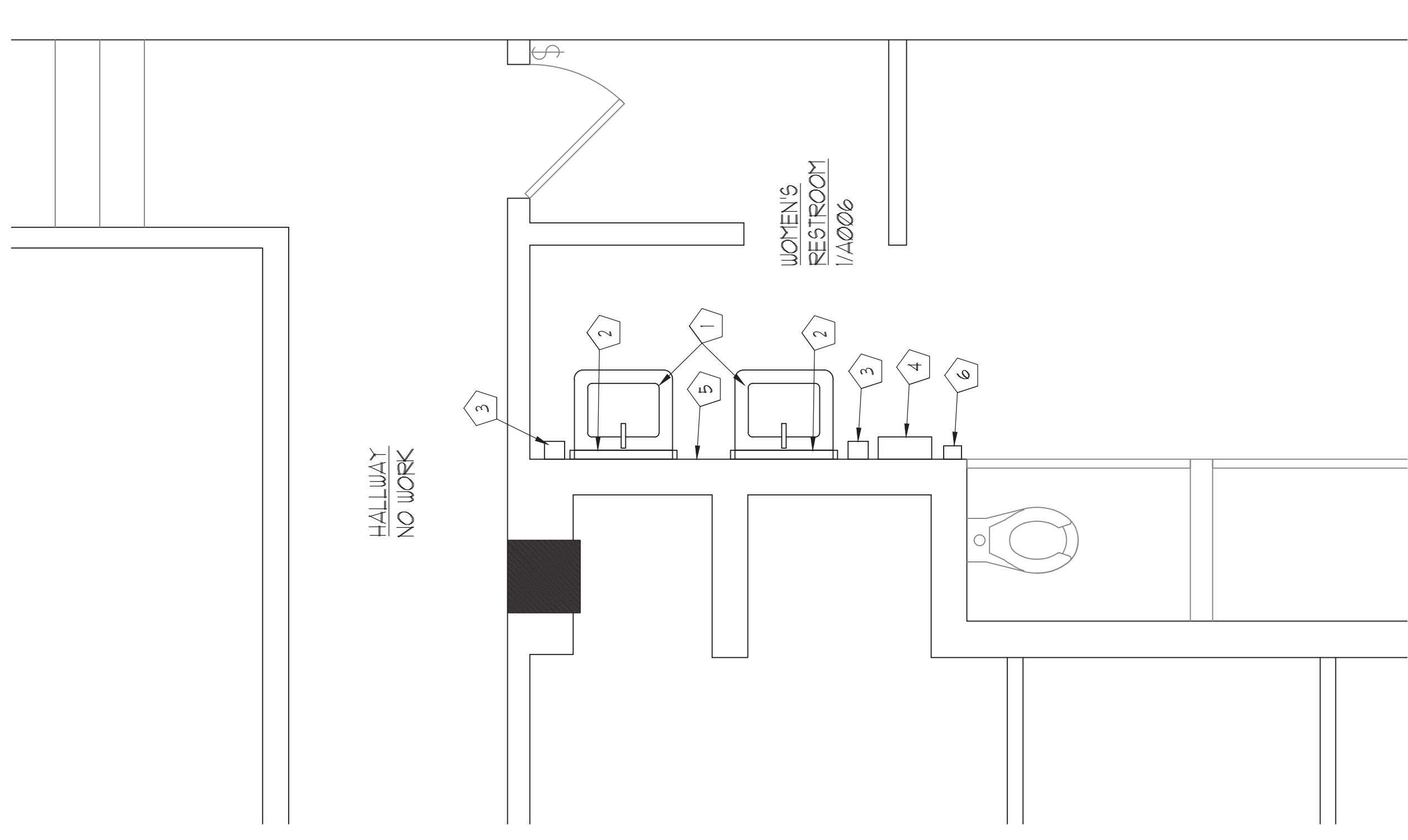
SYMBOL	DESCRIPTION
1	NEW LAVATORY
2	NEW 24"x48" MIRROR
3	NEW SOAP DISPENSER - FURNISH BY HOSPITAL
4	NEW PAPER TOWEL DISPENSER - FURNISH BY HOSPITAL
5	NEW WALL TILE
6	NEW WALL MOUNTED FIRE ALARM

GENERAL NOTES:

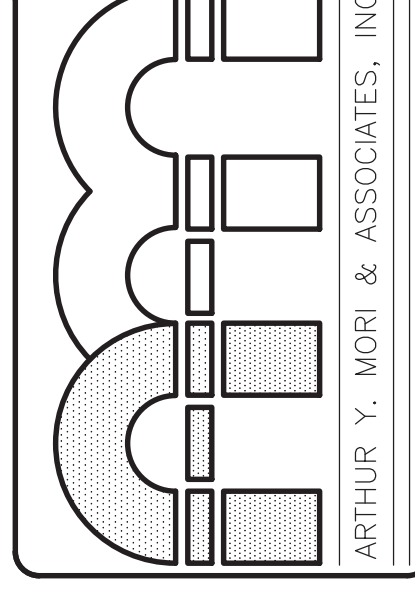
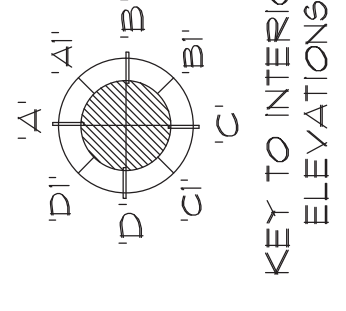
1. ALL FURNITURE & EQUIPMENT SHOWN DASHED TO BE REMOVED (EXCEPT FOR ITEMS NOTED OTHERWISE.)
2. PATCH ALL WALLS, FLOORS, & CEILING SURFACES DUE TO DEMOLITION. PREPARE TO RECEIVE SPECIFIED FINISHES.
3. SEE MECHANICAL DRAWINGS FOR ADDITIONAL DEMOLITION NOTES.
4. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION NOTES.
5. RETURN SALVAGED TOILET ROOM ACCESSORIES TO HOSPITAL.
6. CUT & PATCH WALLS AND FLOOR AS NECESSARY TO INSTALL NEW PLUMBING FIXTURES.



A DEMO/EXST FLOOR PLAN - BASEMENT
SC: 1/2" = 1'-0"



B NEW FLOOR PLAN - BASEMENT
SC: 1/2" = 1'-0"



ARCHITECTS, AIA
1314 SOUTH KING / SUITE 955
HONOLULU, HAWAII 96814

LEAHI BATHROOM RENOVATION
Leahi Hospital
3675 Kilauea Avenue
Honolulu, HI 96816

DEMO/EXST AND NEW FLOOR PLAN - BASEMENT



This work was prepared by me, or under my supervision, in accordance with the provisions of the Hawaii Statutes (Chapter 610, HRS) and the rules and regulations of the Board of Professional Engineers, Architects and Surveyors of the State of Hawaii.

NOTE: Contractor to check and verify all dimensions at job site.

NO.	REVISION

SHEET
A001
DATE: SEPT 13, 2023
JOB NO.
3 OF 19 SHEETS

GRAPHIC SCALES
1/4" = 1'-0"
1/2" = 1'-0"
3/4" = 1'-0"
1" = 1'-0"
2" = 1'-0"
4" = 1'-0"
6" = 1'-0"
10" = 1'-0"
1/8" = 1'-0"
1/4" = 1'-0"

DEMOLITION WORK LEGEND

-  EXISTING WALL PARTITION TO REMAIN
-  REMOVE EXISTING WALL PARTITION

DEMOLITION WORK NOTES

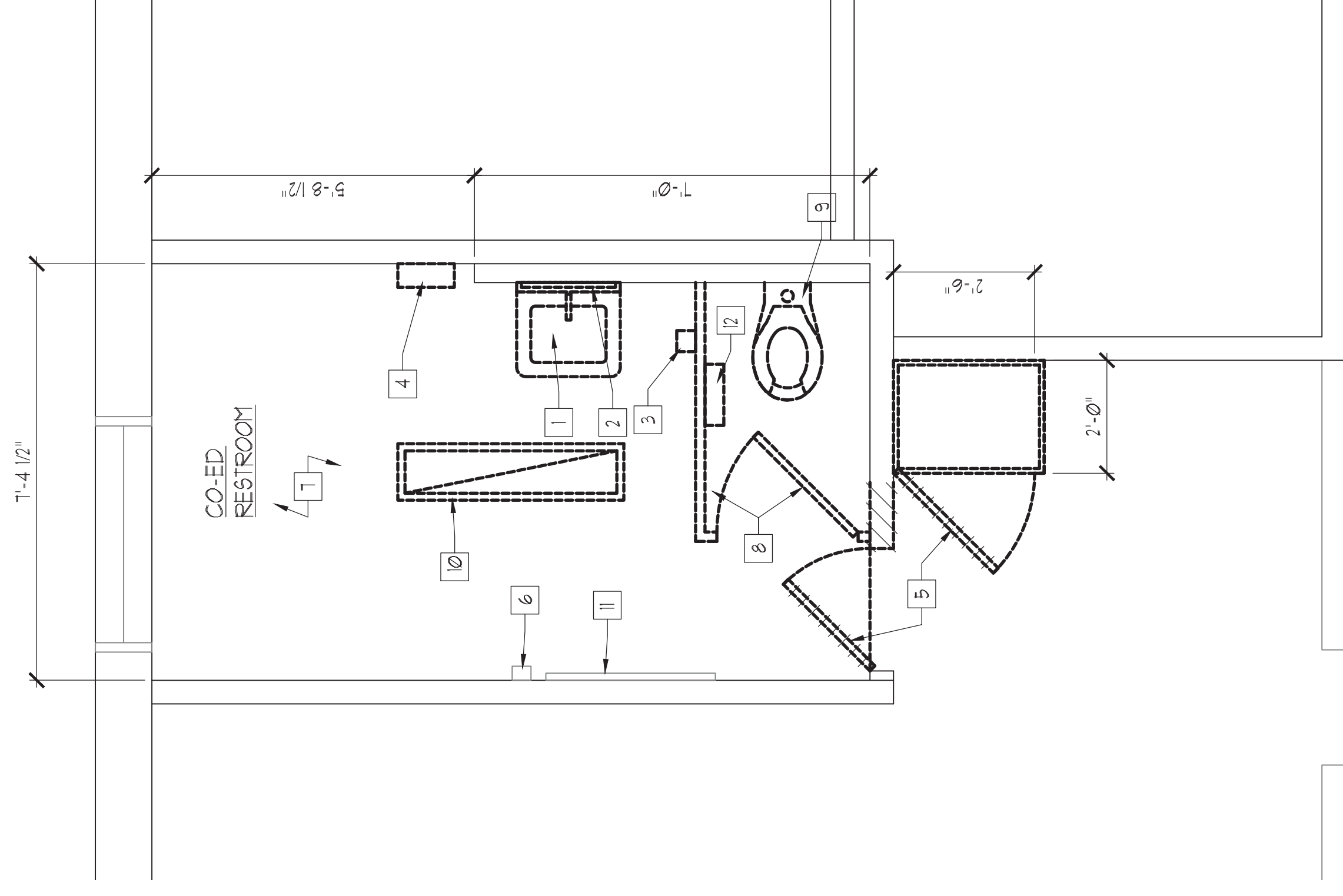
SYMBOL	DESCRIPTION
1	REMOVE EXISTING LAVATORY
2	REMOVE EXISTING MIRROR
3	REMOVE & SALVAGE EXISTING SOAP DISPENSER
4	REMOVE & SALVAGE EXISTING PAPER TOWEL DISPENSER
5	REMOVE DOOR
6	EXISTING WALL MOUNTED FIRE ALARMY TO REMAIN
7	REMOVE WALL BASE TILE & PREP FLOOR TO RECEIVE NEW FLOORING
8	REMOVE EXISTING TOILET PARTITION
9	REMOVE EXISTING WATER CLOSET
10	REMOVE & REPLACE CEILING MOUNTED LINEAR LIGHT FIXTURE ABOVE
11	EXISTING BULLETIN BOARD TO REMAIN
12	REMOVE & SALVAGE EXISTING TOILET PAPER DISPENSER

NEW WORK NOTES

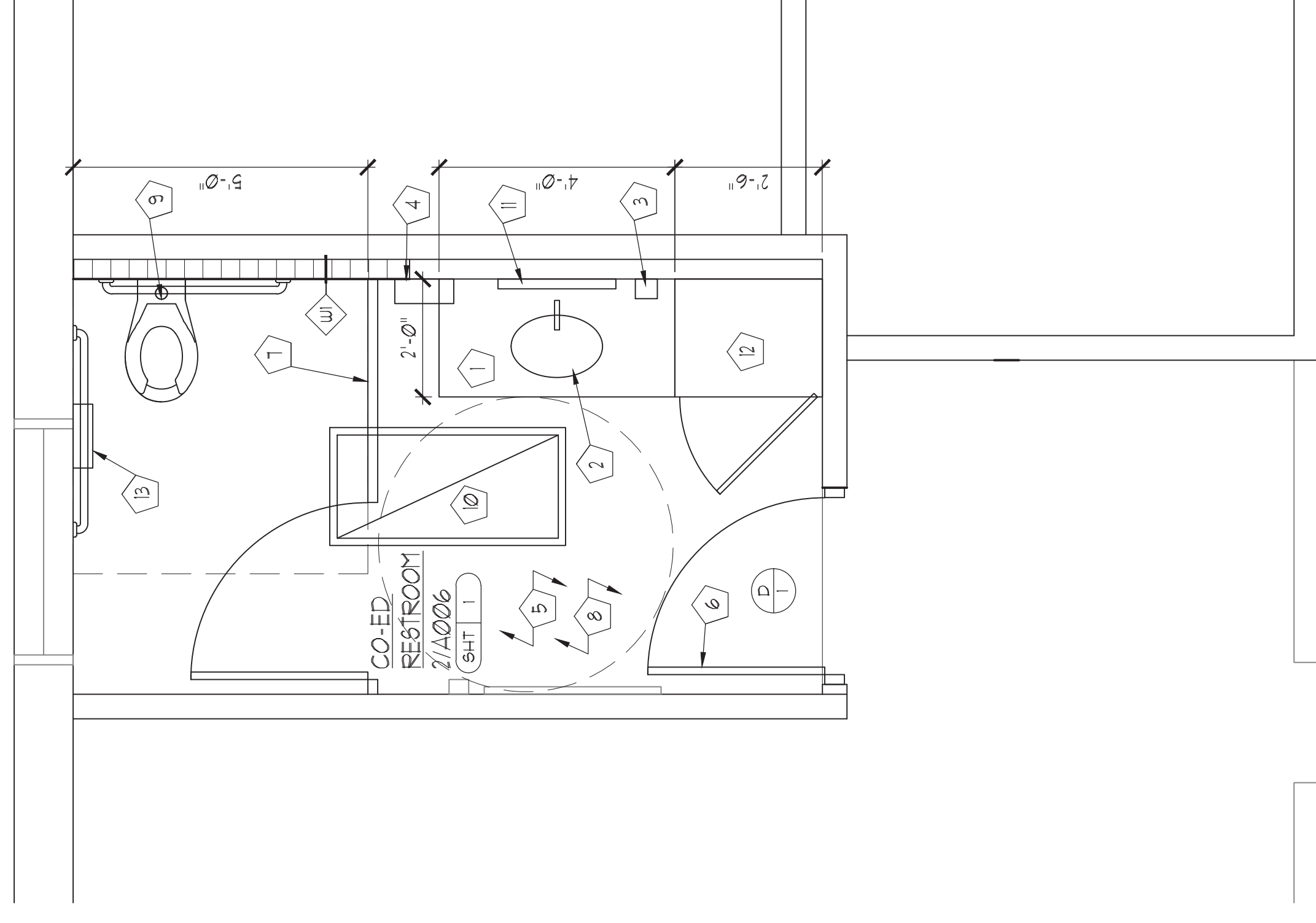
SYMBOL	DESCRIPTION
1	NEW BUILT-IN COUNTER
2	NEW UNDERYOUNT LAVATORY
3	NEW SOAP DISPENSER - FURNISH BY HOSPITAL
4	NEW PAPER TOWEL DISPENSER - FURNISH BY HOSPITAL
5	NEW SHEET VINYL FLOORING
6	NEW 36"x84" WOOD DOOR
7	NEW TOILET PARTITION
8	PAINT WALLS
9	NEW WATER CLOSET & GRAB BARS
10	NEW 2x4 CEILING MOUNTED LIGHT FIXTURE ABOVE
11	NEW 24"x48" MIRROR
12	NEW TALL CABINET
13	NEW TOILET PAPER DISPENSER - FURNISH BY HOSPITAL

GENERAL NOTES:

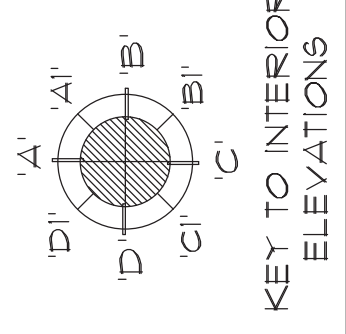
1. ALL FURNITURE & EQUIPMENT SHOWN DASHED TO BE REMOVED (EXCEPT FOR ITEMS NOTED OTHERWISE.)
2. PATCH ALL WALLS, FLOORS, & CEILING SURFACES DUE TO DEMOLITION. PREPARE TO RECEIVE SPECIFIED FINISHES.
3. SEE MECHANICAL DRAWINGS FOR ADDITIONAL DEMOLITION NOTES.
4. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION NOTES.
5. RETURN SALVAGED TOILET ROOM ACCESSORIES TO HOSPITAL.
6. CUT & PATCH WALLS AND FLOOR AS NECESSARY TO INSTALL NEW PLUMBING FIXTURES.

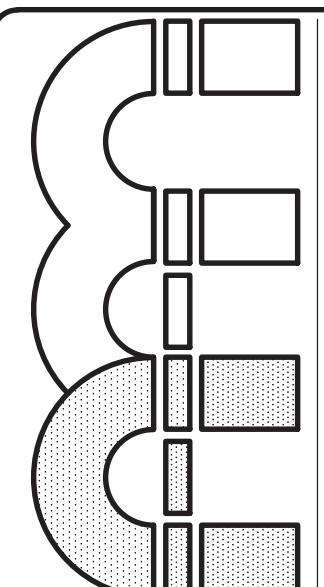


A DEMO/EXST FLOOR PLAN - GROUND FLOOR
 A002 SC: 1/2" = 1'-0"



B NEW FLOOR PLAN - GROUND FLOOR
 A002 SC: 1/2" = 1'-0"





ARCHITECTS, AIA
 1314 SOUTH KING / SUITE 955
 HONOLULU, HAWAII 96814

LEAHI BATHROOM RENOVATION
 3675 Kilauaea Avenue
 Honolulu, HI 96816

DEMO/EXST AND NEW FLOOR PLAN - GROUND FLOOR
 SHEET TITLE

LEAHI HOSPITAL
 3675 Kilauaea Avenue
 Honolulu, HI 96816

ARTHUR Y. MORI & ASSOCIATES, INC.
 LICENSED PROFESSIONAL ARCHITECT
 No. 6853
 HAWAII

NOTE:
 This work was prepared by me, or under my supervision, in accordance with the provisions of the Hawaii Uniform Code of Construction as defined in Section 10-10, Chapter 10, Hawaii Revised Statutes. I am a duly Licensed Professional Engineer, Architect and Surveyor of the State of Hawaii.


NO. REVISION

NO.	REVISION

SHEET A002
 DATE: SEPT 13, 2023
 4 OF 19 SHEETS

GRAPHIC SCALES
 1/4" = 1'-0"
 1/2" = 1'-0"
 3/4" = 1'-0"
 1" = 1'-0"
 1 1/4" = 1'-0"
 1 1/2" = 1'-0"
 2" = 1'-0"
 4" = 1'-0"
 6" = 1'-0"
 10" = 1'-0"
 20" = 1'-0"
 30" = 1'-0"
 40" = 1'-0"
 50" = 1'-0"
 60" = 1'-0"
 80" = 1'-0"
 100" = 1'-0"

DEMOLITION WORK LEGEND

-  EXISTING WALL PARTITION TO REMAIN
-  REMOVE EXISTING WALL PARTITION

DEMOLITION WORK NOTES

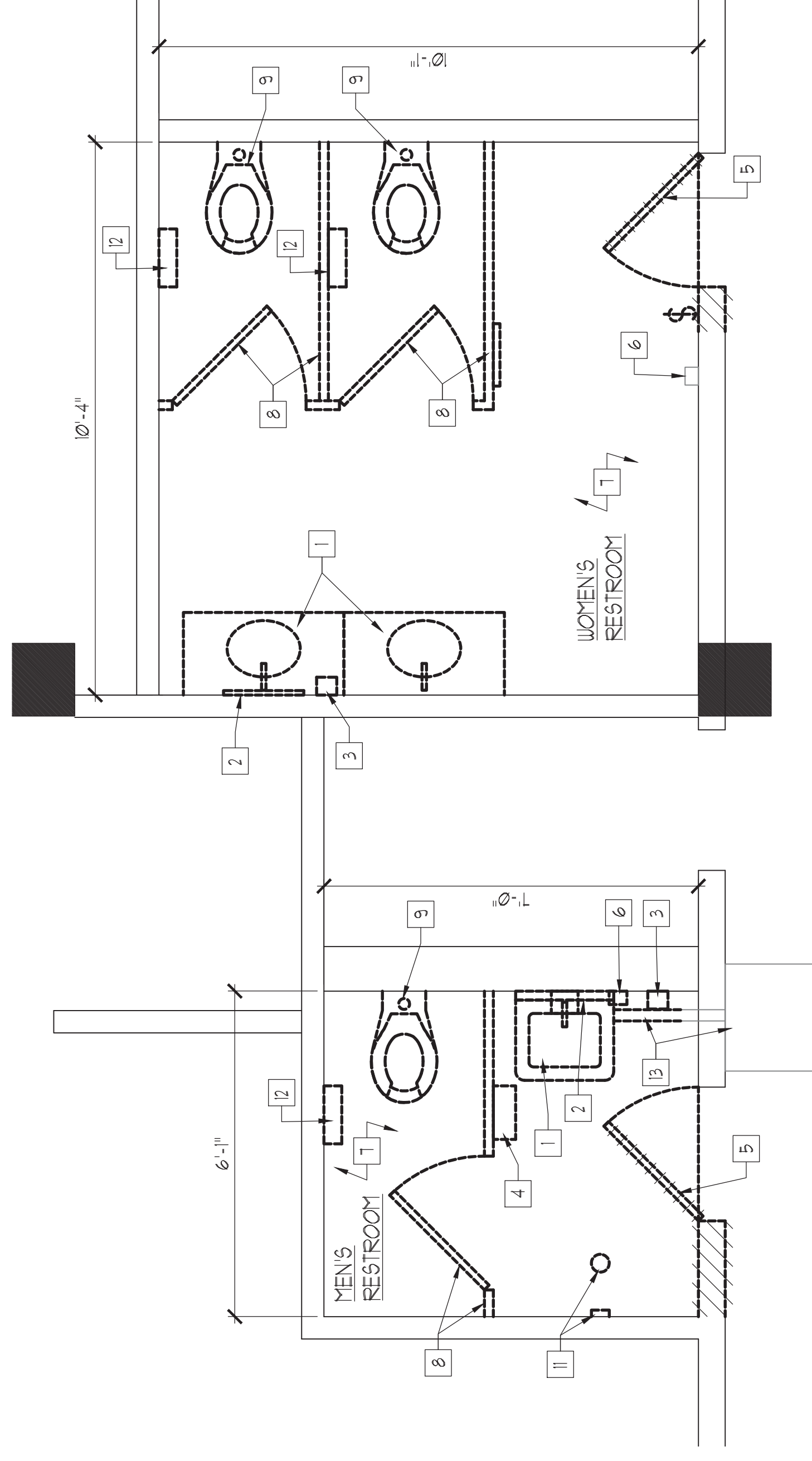
SYMBOL	DESCRIPTION
1	REMOVE EXISTING LAVATORY & CABINET
2	REMOVE EXISTING MIRROR
3	REMOVE & SALVAGE EXISTING SOAP DISPENSER
4	REMOVE & SALVAGE EXISTING PAPER TOWEL DISPENSER
5	REMOVE DOOR
6	REMOVE EXISTING WALL MOUNTED FIRE ALARM
7	REMOVE VCT & PREP FLOOR TO RECEIVE NEW FLOORING
8	REMOVE EXISTING TOILET PARTITION
9	REMOVE EXISTING WATER CLOSET
10	NOT USED
11	REMOVE & CAP EXISTING STUB-OUTS
12	REMOVE & SALVAGE EXISTING TOILET PAPER DISPENSER
13	EXISTING WATER FOUNTAIN TO REMAIN - ADJUST CONNECTION TO EXISTING LAVATORY AS NECESSARY

NEW WORK NOTES

SYMBOL	DESCRIPTION
1	NEW BUILT-IN COUNTER
2	NEW UNDERMOUNT LAVATORY
3	NEW SOAP DISPENSER - FURNISH BY HOSPITAL
4	NEW PAPER TOWEL DISPENSER - FURNISH BY HOSPITAL
5	NEW SHEET VINYL FLOORING
6	NEW 36"x84" WOOD DOOR
7	NOT USED
8	PAINT WALLS
9	NEW WATER CLOSET, GRAB BARS, & ACCESSORIES
10	NOT USED
11	NEW 24"x48" MIRROR
12	NOT USED
13	NEW TOILET PAPER DISPENSER - FURNISH BY HOSPITAL
14	RELOCATED FIRE ALARM

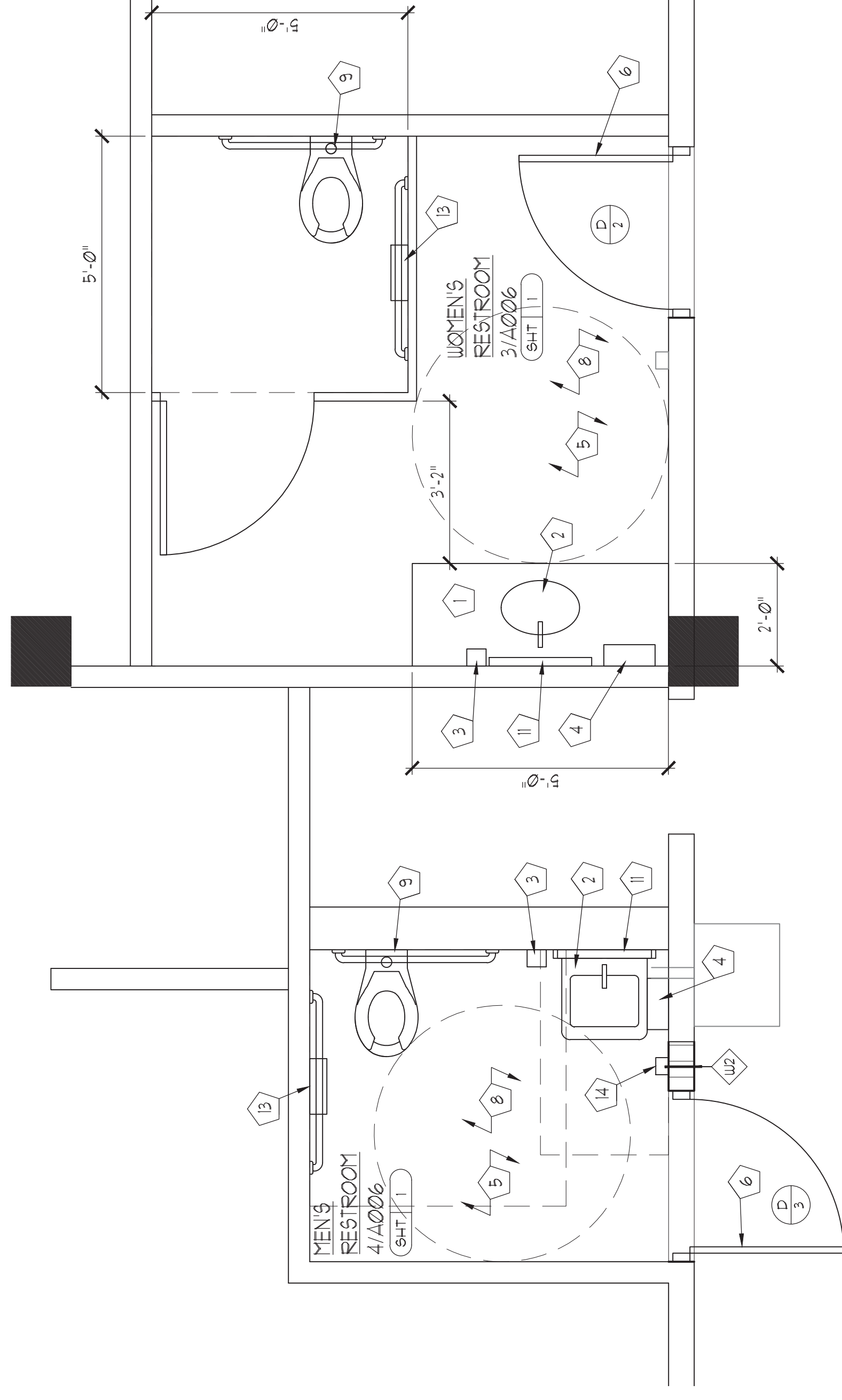
GENERAL NOTES:

1. ALL FURNITURE & EQUIPMENT SHOWN DASHED TO BE REMOVED (EXCEPT FOR ITEMS NOTED OTHERWISE.)
2. PATCH ALL WALLS, FLOORS, & CEILING SURFACES DUE TO DEMOLITION. PREPARE TO RECEIVE SPECIFIED FINISHES.
3. SEE MECHANICAL DRAWINGS FOR ADDITIONAL DEMOLITION NOTES.
4. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION NOTES.
5. RETURN SALVAGED TOILET ROOM ACCESSORIES TO HOSPITAL.
6. CUT & PATCH WALLS AND FLOOR AS NECESSARY TO INSTALL NEW PLUMBING FIXTURES.



A DEMO/EXIST FLOOR PLAN - 2ND FLOOR

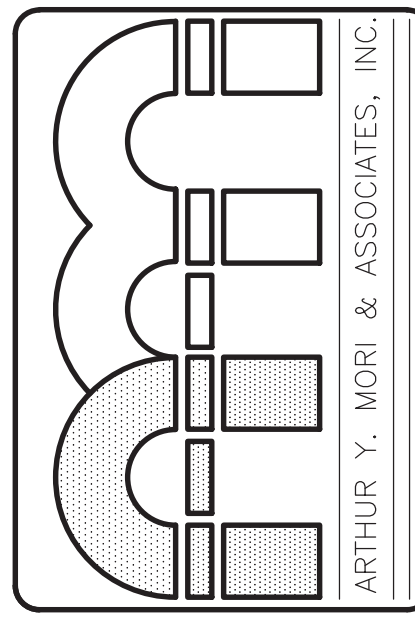
A0003 SC: 1/2" = 1'-0"



B NEW FLOOR PLAN - 2ND FLOOR

A0003 SC: 1/2" = 1'-0"

NORTH
KEY TO INTERIOR ELEVATIONS



ARCHITECTS, AIA
1314 SOUTH KING / SUITE 955
HONOLULU, HAWAII 96814

LEAHI HOSPITAL RENOVATION

3675 Kilauea Avenue
Honolulu, HI 96816

DEMO/EXIST AND NEW FLOOR PLAN - 2ND FLOOR



NOTE:
This work was prepared by me, or under my supervision, in accordance with the provisions of the Hawaii Statutes (Chapter 461, Part 1) and the rules and regulations of the Board of Architectural Registration of the State of Hawaii.
I am a duly Licensed Professional Architect of the State of Hawaii.
I hereby certify that I am the author of the design and drawings herein and that I am a duly Licensed Professional Architect of the State of Hawaii.
I am a duly Licensed Professional Architect of the State of Hawaii.
I am a duly Licensed Professional Architect of the State of Hawaii.

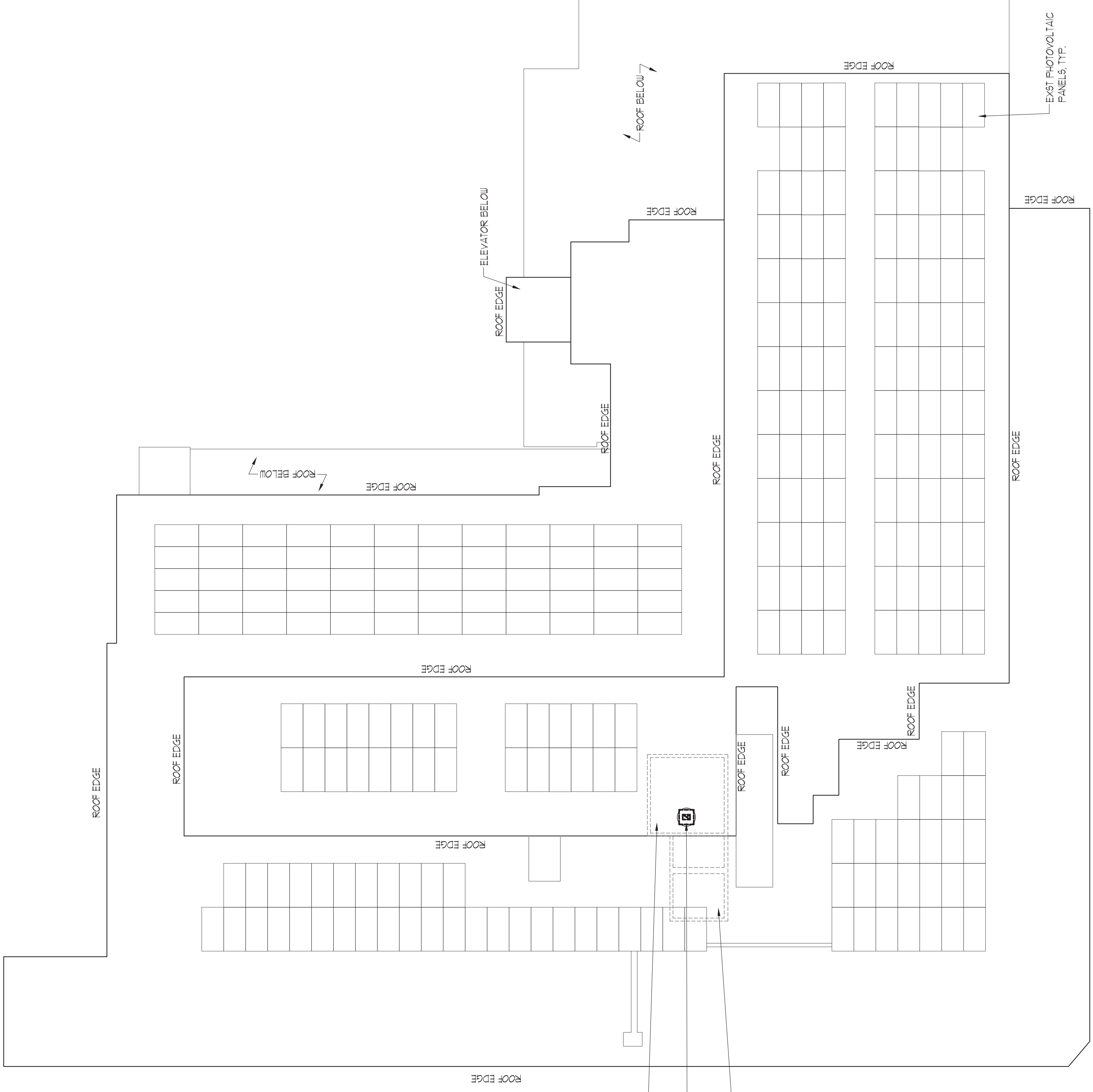
NO.	REVISION

SHEET
A003
DATE: SEPT 13, 2023
5 OF 19 SHEETS

GRAPHIC SCALES
1/4" = 1'-0"
1/2" = 1'-0"
3/4" = 1'-0"
1" = 1'-0"
1 1/4" = 1'-0"
1 1/2" = 1'-0"
2" = 1'-0"
4" = 1'-0"
6" = 1'-0"
10" = 1'-0"
20" = 1'-0"
30" = 1'-0"
40" = 1'-0"
50" = 1'-0"
60" = 1'-0"
70" = 1'-0"
80" = 1'-0"
90" = 1'-0"
100" = 1'-0"

GENERAL NOTES:

1. ALL FURNITURE & EQUIPMENT SHOWN DASHED TO BE REMOVED (EXCEPT FOR ITEMS NOTED OTHERWISE.)
2. PATCH ALL WALLS, FLOORS, & CEILING SURFACES DUE TO DEMOLITION. PREPARE TO RECEIVE SPECIFIED FINISHES.
3. SEE MECHANICAL DRAWINGS FOR ADDITIONAL DEMOLITION NOTES.
4. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION NOTES.
5. RETURN SALVAGED TOILET ROOM ACCESSORIES TO HOSPITAL.
6. CUT & PATCH WALLS AND FLOOR AS NECESSARY TO INSTALL NEW PLUMBING FIXTURES.



B DEMO/ EXST AND NEW ROOF PLAN
SC: 1/8" = 1'-0"



LEAHI BATHROOM RENOVATION

Leahi Hospital
 3675 Kilauea Avenue
 Honolulu, HI 96816

SHEET TITLE
DEMO/ EXST AND NEW ROOF PLAN

ARTHUR Y. MORI & ASSOCIATES, INC.
 ARCHITECTS AIA
 1314 SOUTH KING / SUITE 955
 HONOLULU, HAWAII 96814

LICENSED PROFESSIONAL ARCHITECT
 No. 6853
 ARTHUR Y. MORI

This work was prepared by me, or under my supervision, in accordance with the provisions of the Hawaii Statutes, Chapter 612, which govern the practice of Architecture in the State of Hawaii. I am a duly Licensed Professional Architect under the jurisdiction of the Board of Professional Engineers, Architects and Surveyors of the State of Hawaii.

NOTE: Contractor to check and verify all dimensions at Job Site. Dimensions shown on drawings are approximate.

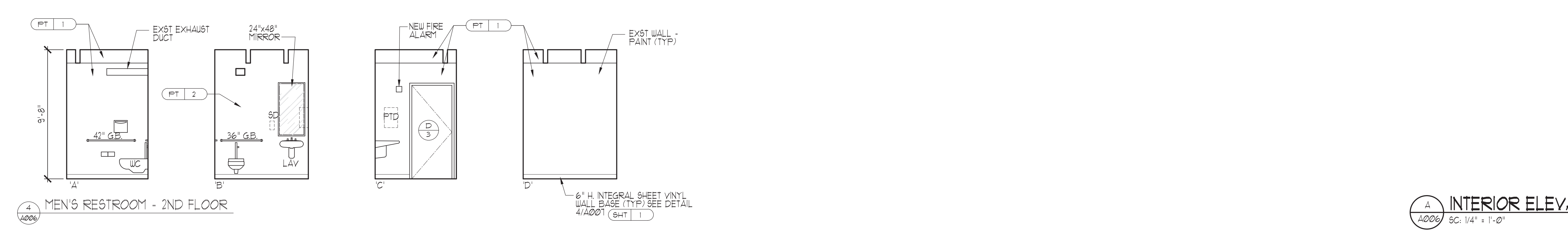
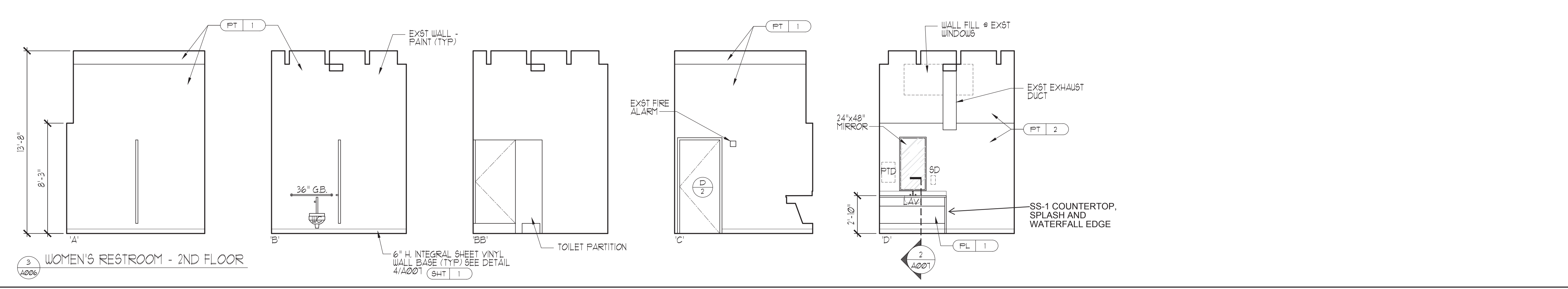
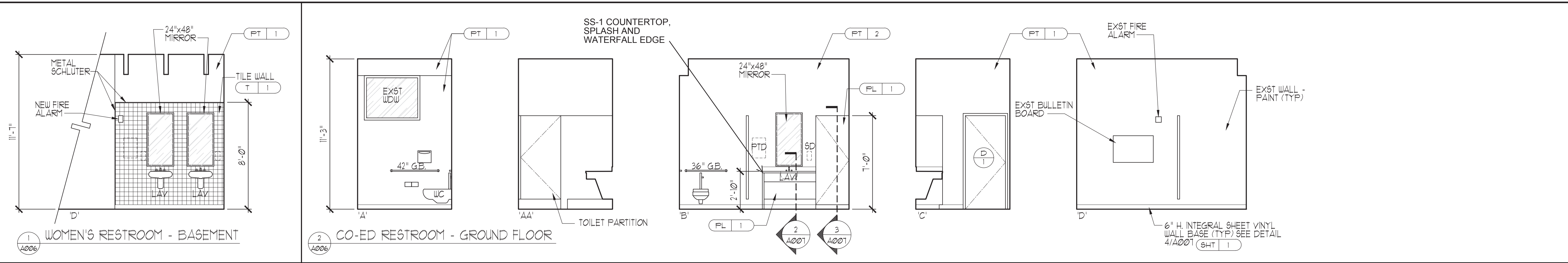
NO.	REVISION

JOB NO. _____

DATE: SEPT 13, 2023

SHEET **A005** OF 19 SHEETS

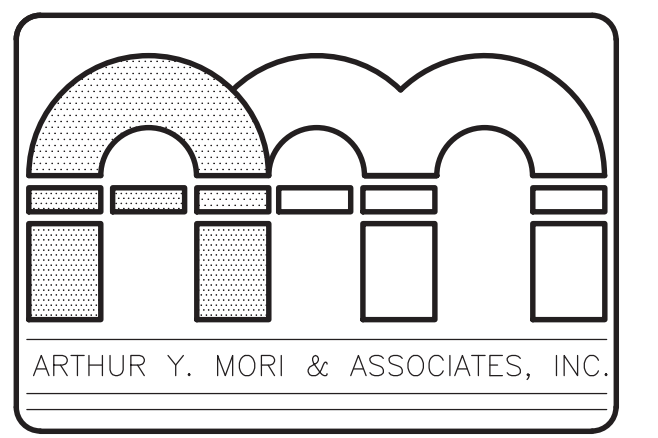
GRAPHIC SCALES
 1/4" = 1'-0"
 1/8" = 1'-0"
 1/2" = 1'-0"



A INTERIOR ELEVATIONS
 A006 SC. 1/4" = 1'-0"

FINISH SPECIFICATIONS

RESILIENT FLOORING	SHT-1 AHF CONTRACT COLLECTION: MIXED 4 VARIEGATED COLOR: IHG2M02 - CITY DWELLER HOMOGENEOUS VINYL SHEET 4 INTEGRAL BASE	PAINT	PT-1 BENJAMIN MOORE COLOR: WINTER WHITE OC-21 LOCATION: TYPICAL WALLS & CEILING PT-2 BENJAMIN MOORE COLOR: SOFT FERN 2144-40 LOCATION: ACCENT PAINT WALLS
PLASTIC LAMINATE	PL-1 WILSONART COLOR: LANDMARK WOOD T99K-12	TOILET PARTITION	TP-1 BOBRICK COLOR: T8D
SOLID SURFACE	SS-1 CORIAN COLOR: PEPPERED TERRAZZO		
TILE	T-1 EMSER COLLECTION: CUADRO COLOR: FAUN SIZE: 4"x5", FLAT Ø9/14 MOSAIC LOCATION: BASEMENT WALL ONLY		



ARCHITECTS AIA
 1314 SOUTH KING / SUITE 955
 HONOLULU, HAWAII 96814

LEAHI BATHROOM RENOVATION
 Leahi Hospital
 3675 Kilauea Avenue
 Honolulu, HI 96816

SHEET TITLE
 INTERIOR ELEVATIONS

JEFFREY Y. MORI
 LICENSED PROFESSIONAL ARCHITECT
 No. 6053
 HAWAII, USA

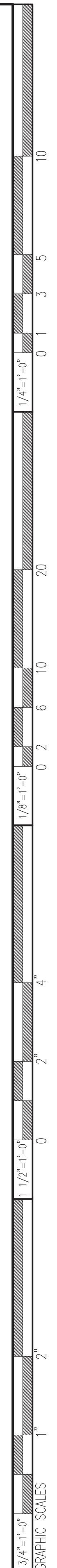
This work was prepared by me or under my supervision and construction of this project will be under my observation (observation of construction as defined in Section 16-115 of the Hawaii Administrative Rules, Department of Commerce and Consumer Affairs, entitled Professional Engineers, Architects and Surveyors of the State of Hawaii).

NOTE:
 Contractor to check and verify all dimensions at job before proceeding with work.

NO.	REVISION

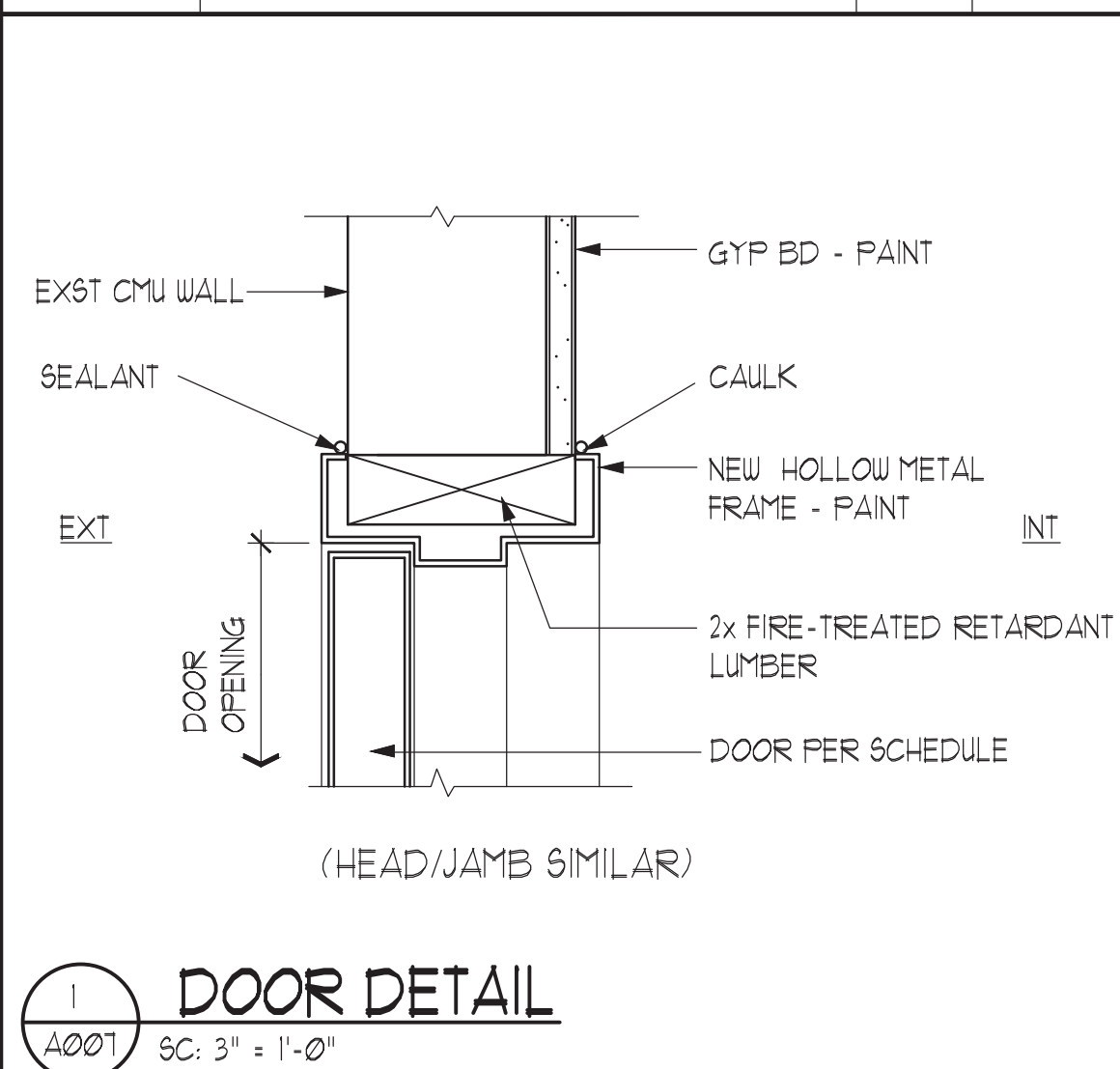
JOB NO. _____

SHEET **A006** DATE **SEPT 13, 2023**
 8 OF 19 SHTS

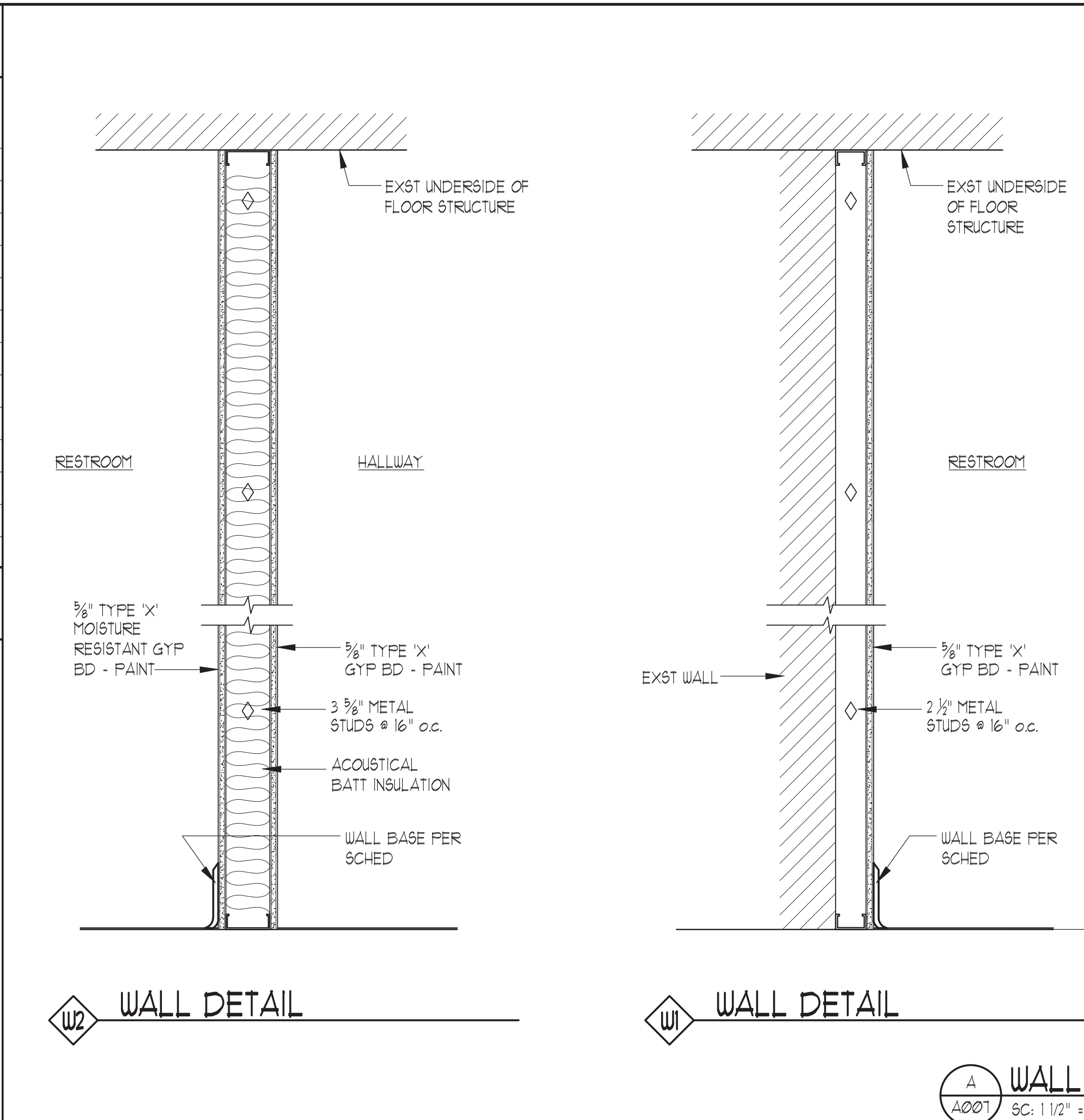
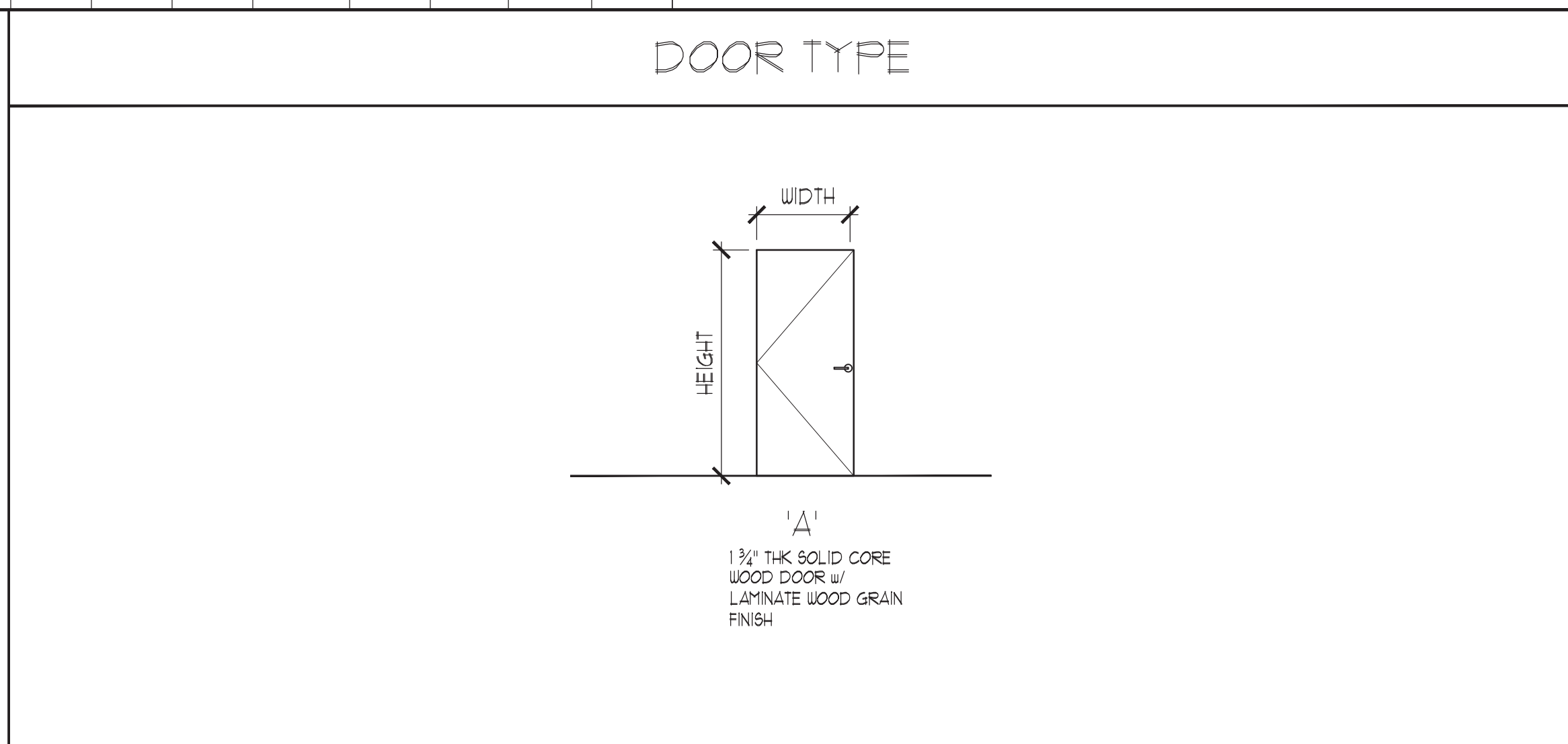


DOOR SCHEDULE

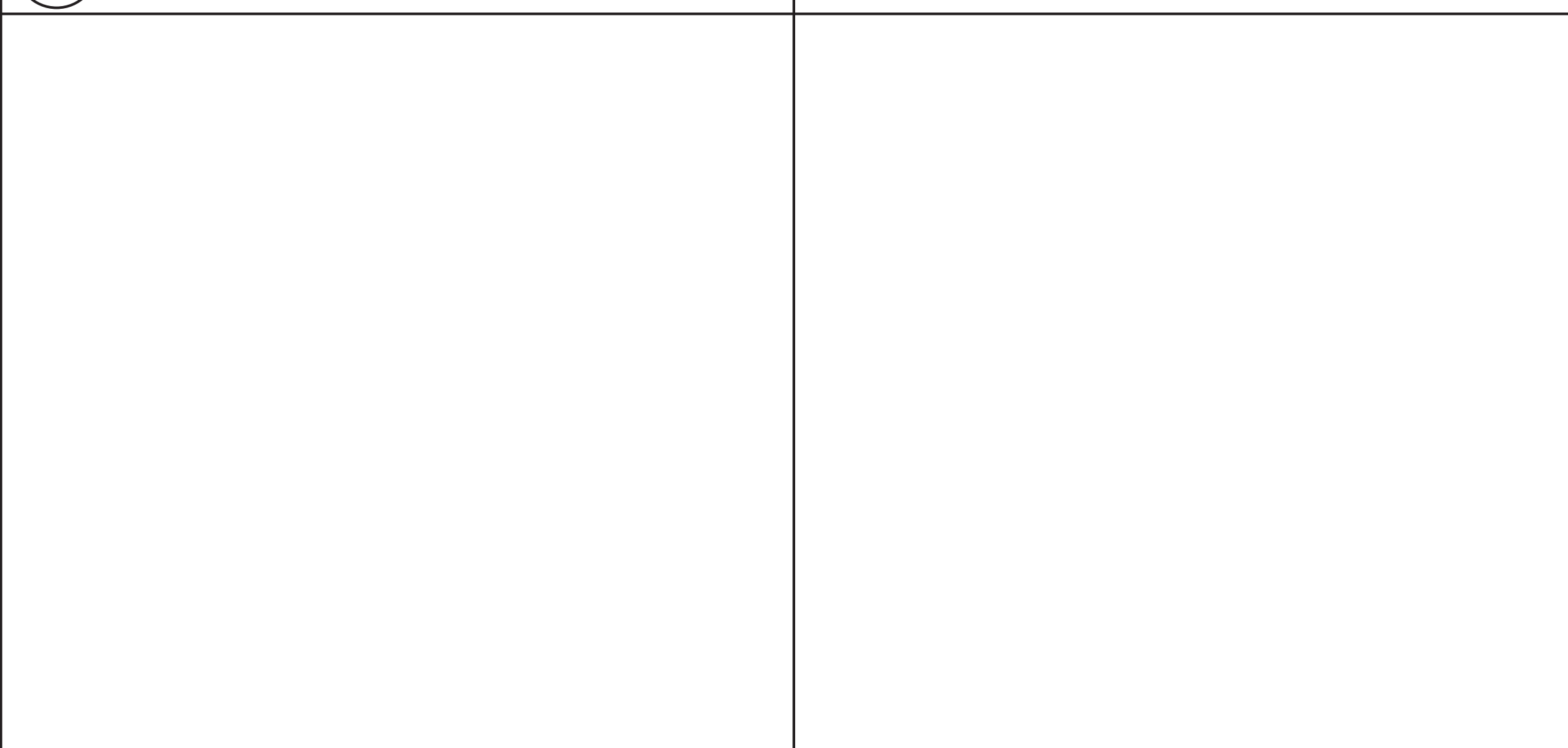
DOOR NO.	RM NO. - DOOR LOCATION	DOOR TYPE	DOOR MATERIAL	DOOR SIZE			DOOR FRAME	DOOR DETAIL			FIRE RATING	HARDWARE
				THK	WIDTH	HEIGHT		JAMB	HEAD	SILL		
D/1	TO CO-ED RESTROOM - GROUND FLOOR	A	WOOD	1-3/4"	3'-0"	7'-0"	MTL	1/A010	1/A010	-	-	3 HINGES, PRIVACY LOCK w/ EMERGENCY RELEASE, CLOSER AND WALL STOP
D/2	TO WOMEN'S RESTROOM - 2ND FLOOR	A	WOOD	1-3/4"	3'-0"	7'-0"	MTL	2/A010	3/A010	-	-	3 HINGES, PRIVACY LOCK w/ EMERGENCY RELEASE, CLOSER AND WALL STOP
D/3	TO MEN'S RESTROOM - 2ND FLOOR	A	WOOD	1-3/4"	3'-0"	7'-0"	MTL	2/A010	3/A010	-	-	3 HINGES, PRIVACY LOCK w/ EMERGENCY RELEASE, CLOSER AND WALL STOP



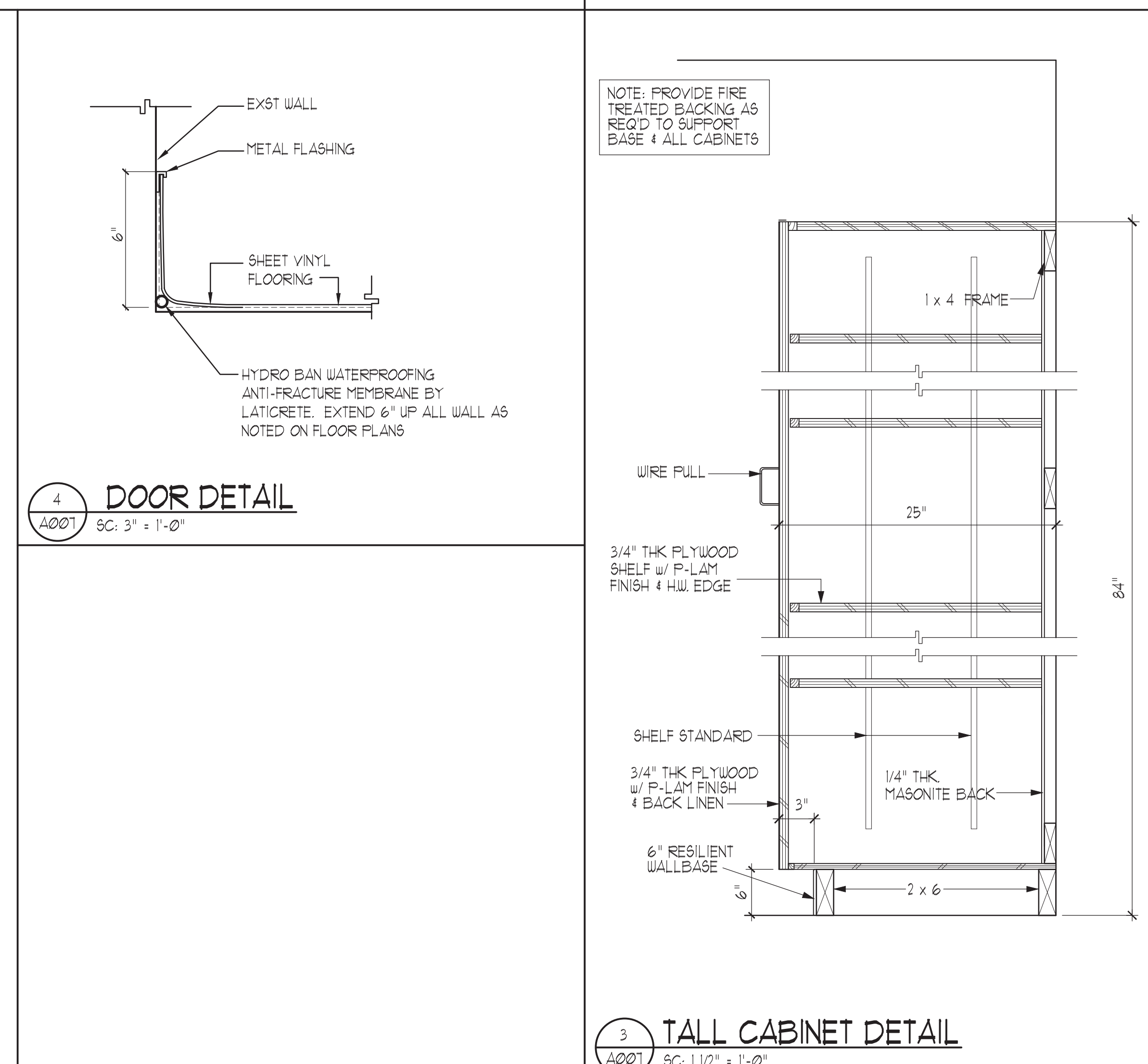
1 DOOR DETAIL
SC: 3" = 1'-0"



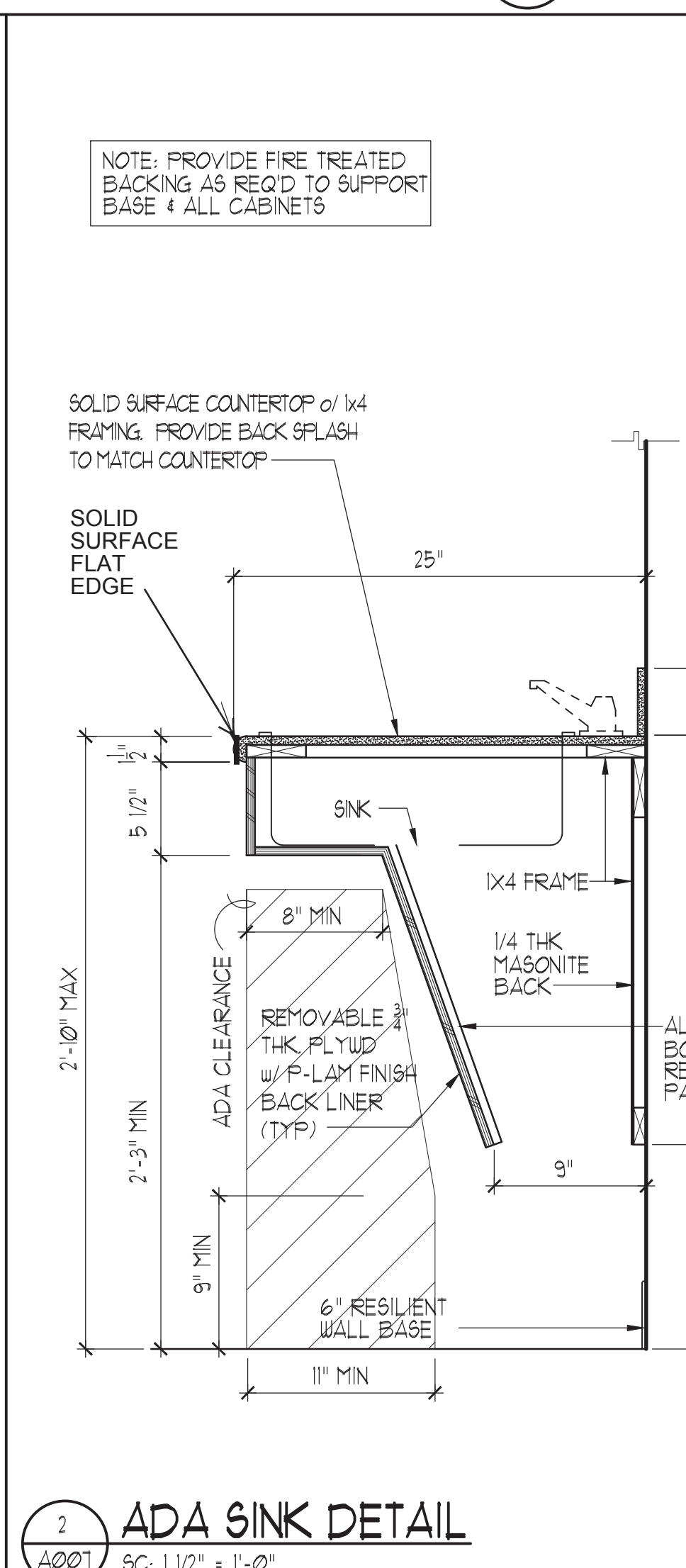
W2 WALL DETAIL **W1 WALL DETAIL**
SC: 1 1/2" = 1'-0"



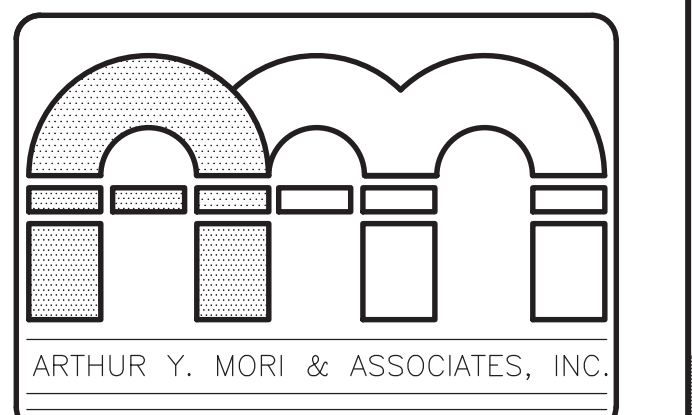
4 DOOR DETAIL
SC: 3" = 1'-0"



3 TALL CABINET DETAIL
SC: 1 1/2" = 1'-0"

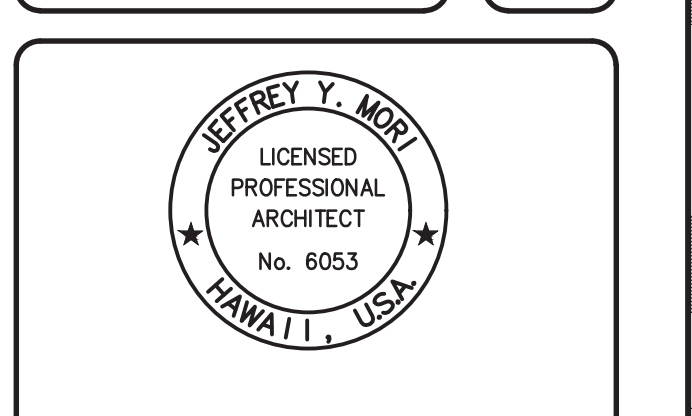


2 ADA SINK DETAIL
SC: 1 1/2" = 1'-0"



ARCHITECTS AIA
1314 SOUTH KING / SUITE 955
HONOLULU, HAWAII 96814

LEAHI BATHROOM RENOVATION
Leahi Hospital
3675 Kilauea Avenue
Honolulu, HI 96816



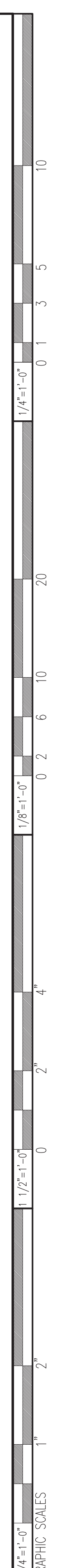
This work was prepared by me or under my supervision and construction of this project will be under my observation (observation of construction as defined in Section 16-115 of the Hawaii Administrative Rules, Department of Commerce and Consumer Affairs, entitled Professional Engineers, Architects and Surveyors of the State of Hawaii).

NOTE: Contractor to check and verify all dimensions at job before proceeding with work.

NO.	REVISION

JOB NO. _____

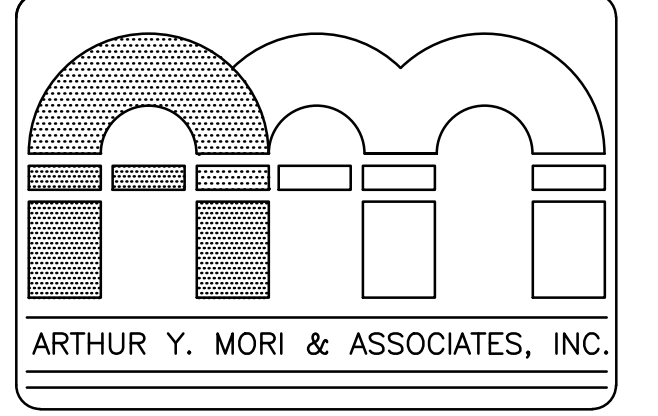
SHEET **A007** DATE **SEPT 13, 2023**
9 OF 19 SHTS



GENERAL NOTES:

- CONFORM TO ALL REQUIREMENTS OF THE 2018 IBC, 2018 UPC, 2018 IECC AND 2018 NFPA 1 CODES OF THE CITY AND COUNTY OF HONOLULU, STATE OF HAWAII HEALTH REGULATIONS, FIRE DEPARTMENT REGULATIONS, MANUFACTURER'S RECOMMENDATIONS AND OTHER APPLICABLE REGULATIONS.
- EXAMINE ALL PROJECT PLANS AND BECOME FAMILIAR WITH ALL EXISTING CONDITIONS AND THE EXTENT OF REMOVAL, RELOCATION AND/OR NEW WORK PRIOR TO BIDDING. NOTIFY AND COORDINATE WITH THE CONTRACTING OFFICER FOR ANY MAJOR DEVIATIONS OR DISCREPANCIES DISCOVERED IN THE PLANS AND SPECIFICATIONS DUE TO UNFORESEEN OR VARYING FIELD CONDITIONS.
- INSTALLATION SHALL BE GUARANTEED TO BE FREE FROM DEFECTS FOR ONE YEAR FROM FINAL DATE OF ACCEPTANCE OF THE PROJECT AS A WHOLE.
- CONTRACTOR SHALL VERIFY AND TAKE PHOTOS DOCUMENTING ALL FIELD CONDITIONS PRIOR TO BID AND CONSTRUCTION.
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING LINE SIZES, CONDITIONS, AND INVERTS PRIOR TO BID AND CONSTRUCTION.
- THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO COVER THE COMPLETE INSTALLATION OF SYSTEMS TO FUNCTION AS DESCRIBED AND SPECIFIED. THE OMISSION OF REFERENCE TO ANY NECESSARY ITEM OF LABOR OR MATERIAL SHALL NOT RELIEVE THE CONTRACTOR FROM PROVIDING SUCH LABOR AND MATERIAL AT NO ADDITIONAL COST TO THE STATE.
- CAULK ALL PENETRATIONS WATERTIGHT. PROVIDE ALL CUTTING, PATCHING, AND RESTORING OF EXISTING SURFACES TO MATCH ORIGINAL SURFACE FINISHES. SPOT PAINT TO MATCH EXISTING SURFACES/COLOR.
- ALL EQUIPMENT AND FIXTURES SHALL BE CAPABLE OF FITTING INTO THE SPACES ALLOTTED WHILE MEETING THE MANUFACTURER'S RECOMMENDED ACCESS REQUIREMENTS. REVIEW ALL SPACES WHERE EQUIPMENT AND FIXTURES ARE TO BE INSTALLED PRIOR TO ORDERING OF ITEMS AND NOTIFY THE CONTRACTING OFFICER OF ANY INADEQUATE CLEARANCES OR CONDITIONS THAT WILL PREVENT THE PROPER INSTALLATION, MAINTENANCE, AND OPERATION OF THE EQUIPMENT AND FIXTURES.
- DRAWINGS ARE DIAGRAMMATIC IN NATURE AND DO NOT SHOW EVERY EXACT DETAIL OF PIPING AND DUCTWORK. PROVIDE OFFSETS AS NECESSARY TO AVOID LOCAL OBSTRUCTIONS OR INTERFERENCES WITH OTHER TRADES. REVIEW ALL PIPING AND DUCT RUNS PRIOR TO FABRICATION AND IMMEDIATELY NOTIFY THE CONTRACTING OFFICER OF ANY INTERFERENCES AND/OR LACK OF ADEQUATE CLEARANCES.
- SHOULD PROJECT CONDITIONS REQUIRE REARRANGEMENT OF WORK, MARK SUCH CHANGES ON THE AS-BUILT DRAWINGS. IF THESE CHANGES REQUIRE ALTERNATE METHODS TO THOSE APPROVED BY THE CONTRACT DOCUMENTS, SUBMIT SHOP DRAWINGS SHOWING THE PROPOSED ALTERNATE METHODS TO THE CONTRACTING OFFICER FOR REVIEW/APPROVAL PRIOR TO PROCEEDING WITH WORK.
- COORDINATE ALL WORK WHICH WILL AFFECT AREAS WITH BUILDING SUPERVISOR. SCHEDULE OFF-HOUR WORK WHEN REQUIRED TO MINIMIZE DISRUPTIONS.
- COORDINATE ALL SWITCH, THERMOSTAT, FIRE EXTINGUISHER, ETC. LOCATIONS WITH USER/CONTRACTING OFFICER PRIOR TO INSTALLATION TO AVOID INTERFERENCES WITH PAINTING, BULLETIN BOARDS, FURNITURE, ETC. ANY ITEM NOT PROPERLY COORDINATED SHALL BE RELOCATED AT NO ADDITIONAL COST TO THE STATE.
- COORDINATE ALL WORK WITH OTHER TRADES TO AVOID INTERFERENCES AND DELAYS.
- SEISMICALLY BRACE ALL EQUIPMENT, PIPING, AND DUCTWORK IN ACCORDANCE WITH THE CURRENT BUILDING CODE AND THEIR RESPECTIVE SEISMIC ZONE LOCATIONS.
- AFTER CONNECTION OF NEW FIXTURES TO WASTE, CLEANOUT/SNAKE EXISTING LINES FOR PROPER OPERATION.
- REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL NOTES
- VERIFY AND COORDINATE ALL ROOF, WALL, AND FLOOR PENETRATIONS WITH THE ARCHITECTURAL DRAWINGS PRIOR TO THE START OF CONSTRUCTION.
- OBTAIN APPROVAL FROM THE CONTRACTING OFFICER BEFORE MAKING ANY PENETRATIONS THROUGH STRUCTURAL MEMBERS, WALLS, AND SLABS.
- VERIFY THE EXACT LOCATION, SIZE, AND INVERT OF ALL EXISTING SEWER, STORM DRAIN, AND WATER LINES AT THE NEW POINT OF CONNECTION PRIOR TO THE START OF CONSTRUCTION.
- LOCATE ALL UTILITY LINES OR OTHER INTERFERENCES IN AREAS OF PROPOSED WORK PRIOR TO START OF REMOVAL. REPAIR OR PAY FOR ALL DAMAGES TO EXISTING UTILITIES.

MECHANICAL LEGEND		
SYMBOL	ABBRV.	DESCRIPTION
GENERAL		
	A-	ACCESIBLE
	AFF	ABOVE FINISHED FLOOR
	AP	ACCESS PANEL
	BFF	BELOW FINISHED FLOOR
	CLG	CEILING
	DN	DOWN
(E)	EXIST	EXISTING (TO REMAIN)
	FLR	FLOOR
(N)		NEW
	NTS	NOT TO SCALE
(R)		REMOVE
	POC	POINT OF CONNECTION
	POR	POINT OF REMOVAL
	TYP	TYPICAL
	W/	WITH
PLUMBING		
	CO	CLEANOUT
----	CW	COLD WATER
----	EWC	ELECTRIC WATER COOLER
----	HW	HOT WATER
	LAV	LAVATORY
	S	SANITARY
	WC	WATER CLOSET
	WHA	WATER HAMMER ARRESTOR
-----	V	VENT
MECHANICAL		
	CFM	CUBIC FEET PER MINUTE
	DT	DUCT
	EA	EXHAUST AIR
	EAR	EXHAUST AIR REGISTER
	EF	EXHAUST FAN
---	VD	VOLUME DAMPER



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LEAHI BATHROOM RENOVATION

Leahi Hospital
3675 Kilauea Avenue
Honolulu, HI 96816

GENERAL NOTES AND LEGEND

SHEET TITLE

ROSS R. TANAKA
LICENSED PROFESSIONAL ENGINEER
No. 9301-M
HAWAII, U.S.A.
Expiration Date: 4/30/24

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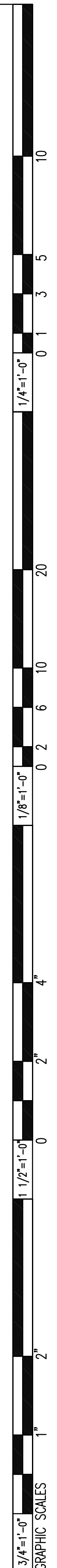
SIGNATURE
Ross R. Tanaka

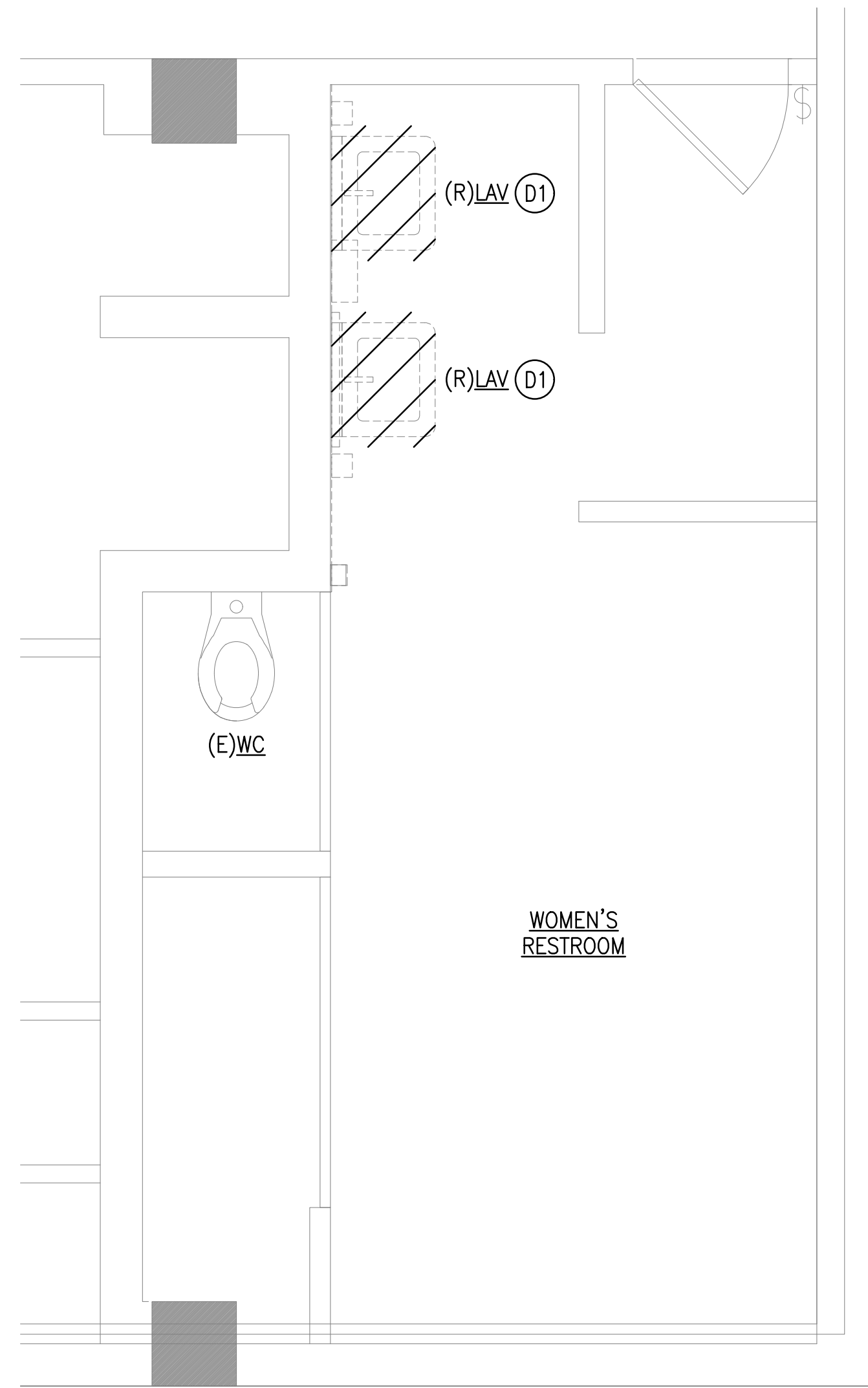
NOTE:
Contractor to check and verify all dimensions at job before proceeding with work.

NO.	REVISION
△	
△	
△	
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JOB NO. _____

SHEET **M000** DATE **SEPT 13, 2023**
10 OF 19 SHTS

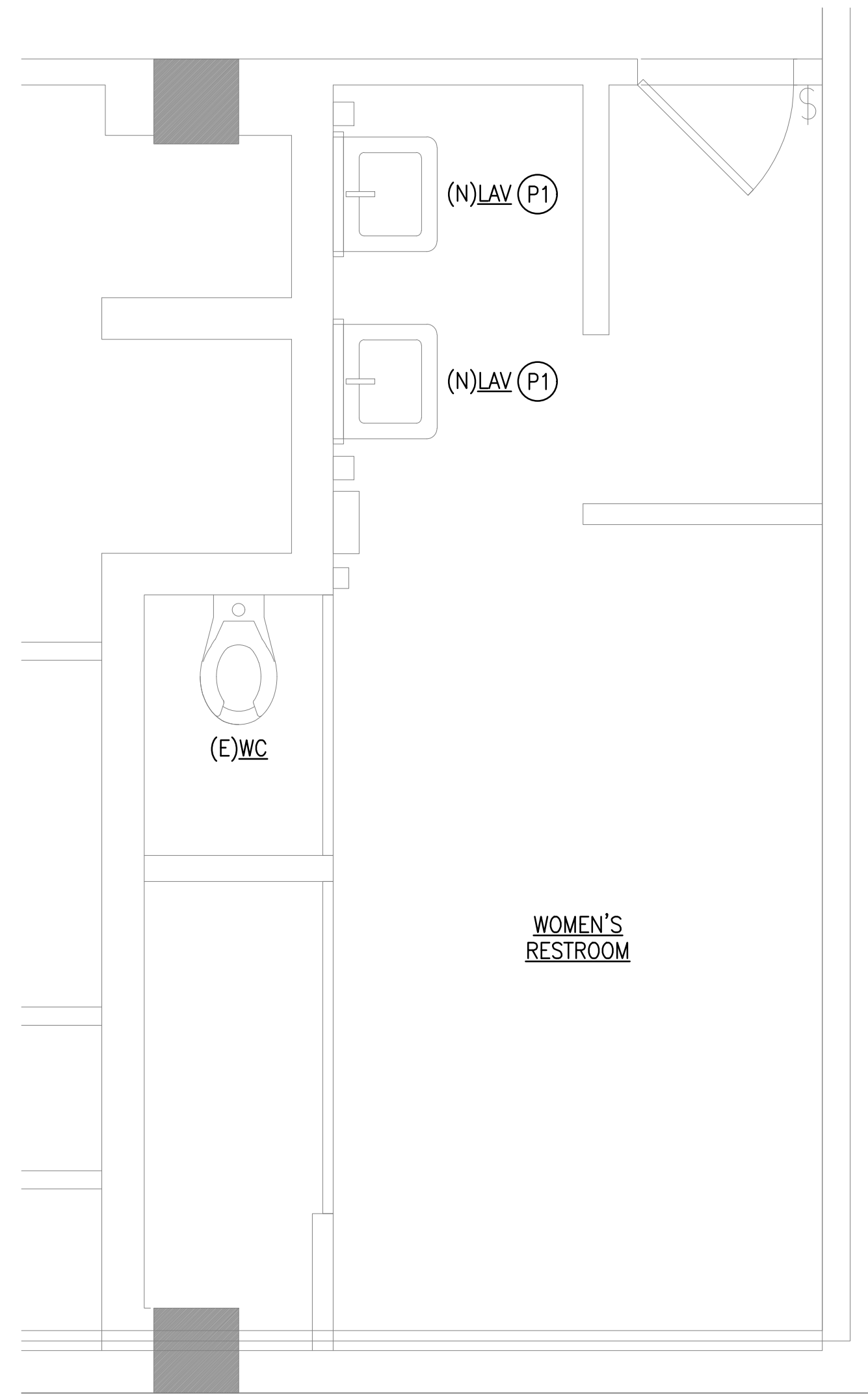
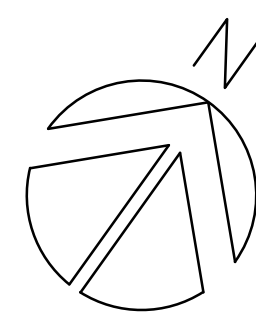
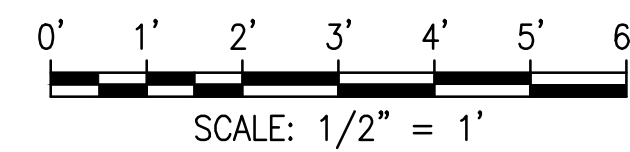




1 BASEMENT RESTROOM PLUMBING DEMO PLAN
M001 SCALE: 1/2" = 1'-0"

PLUMBING DEMO NOTES:

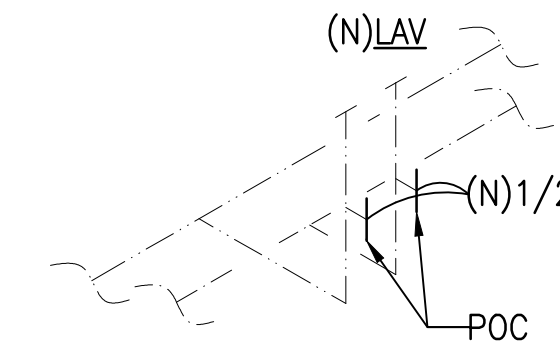
(D1) EXISTING LAV AND ACCESSORIES TO BE REMOVED COMPLETELY. EXISTING CW, HW, SANITARY, AND VENT LINE TO BE CUT/MODIFIED AS REQUIRED TO ACCOMMODATE THE NEW LAV. SEE NEW PLAN. CONTRACTOR TO FIELD VERIFY.



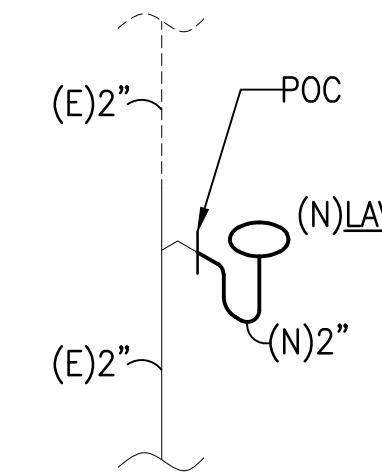
2 BASEMENT RESTROOM NEW PLUMBING PLAN
M001 SCALE: 1/2" = 1'-0"

NEW PLUMBING NOTES:

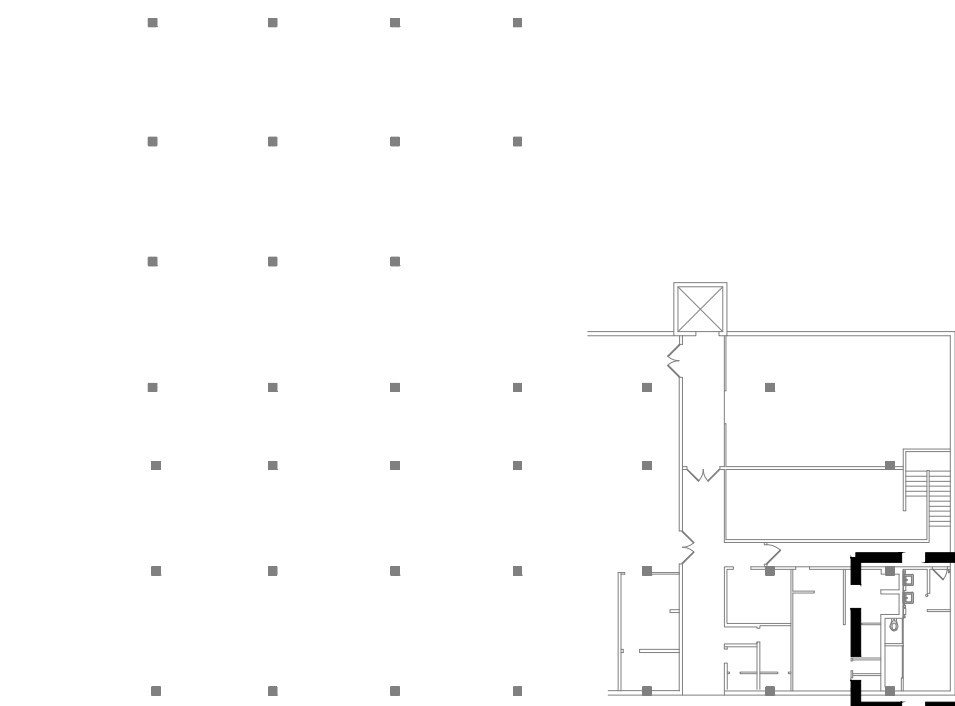
(P1) PROVIDE NEW WALL MOUNTED LAV WITH FLOOR MOUNTED WALL SUPPORT. PROVIDE CW, HW, SANITARY, AND VENT PIPING AS REQUIRED TO CONNECT TO EXISTING CW, HW, SANITARY, AND VENT LINES. MODIFY EXISTING/NEW PLUMBING LINES AS REQUIRED TO INSTALL NEW FIXTURE. PATCH/REPAIR TO MATCH ADJACENT SURFACE. CONTRACTOR TO FIELD VERIFY.



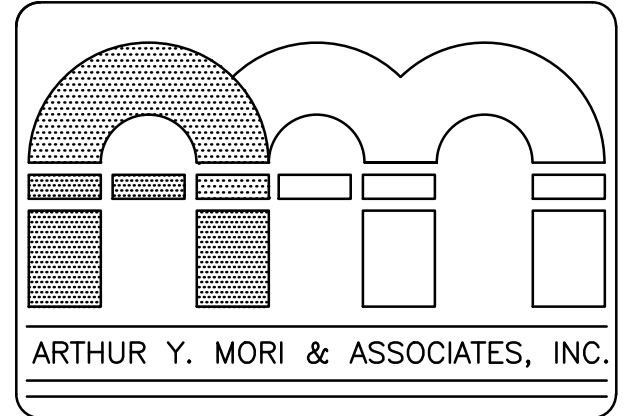
3 TYPICAL LAVATORY WATER DIAGRAM
M001 SCALE: NTS



4 TYPICAL LAVATORY SANITARY DIAGRAM
M001 SCALE: NTS



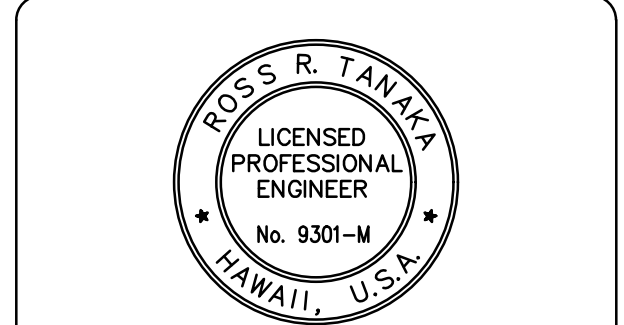
5 KEY PLAN
M001 SCALE: NTS



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SHEET TITLE
BASEMENT PLUMBING PLAN



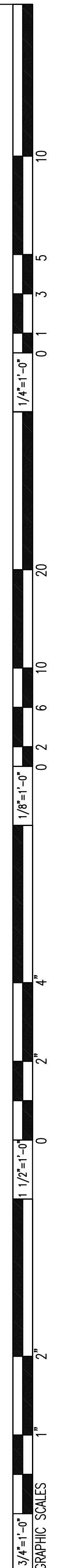
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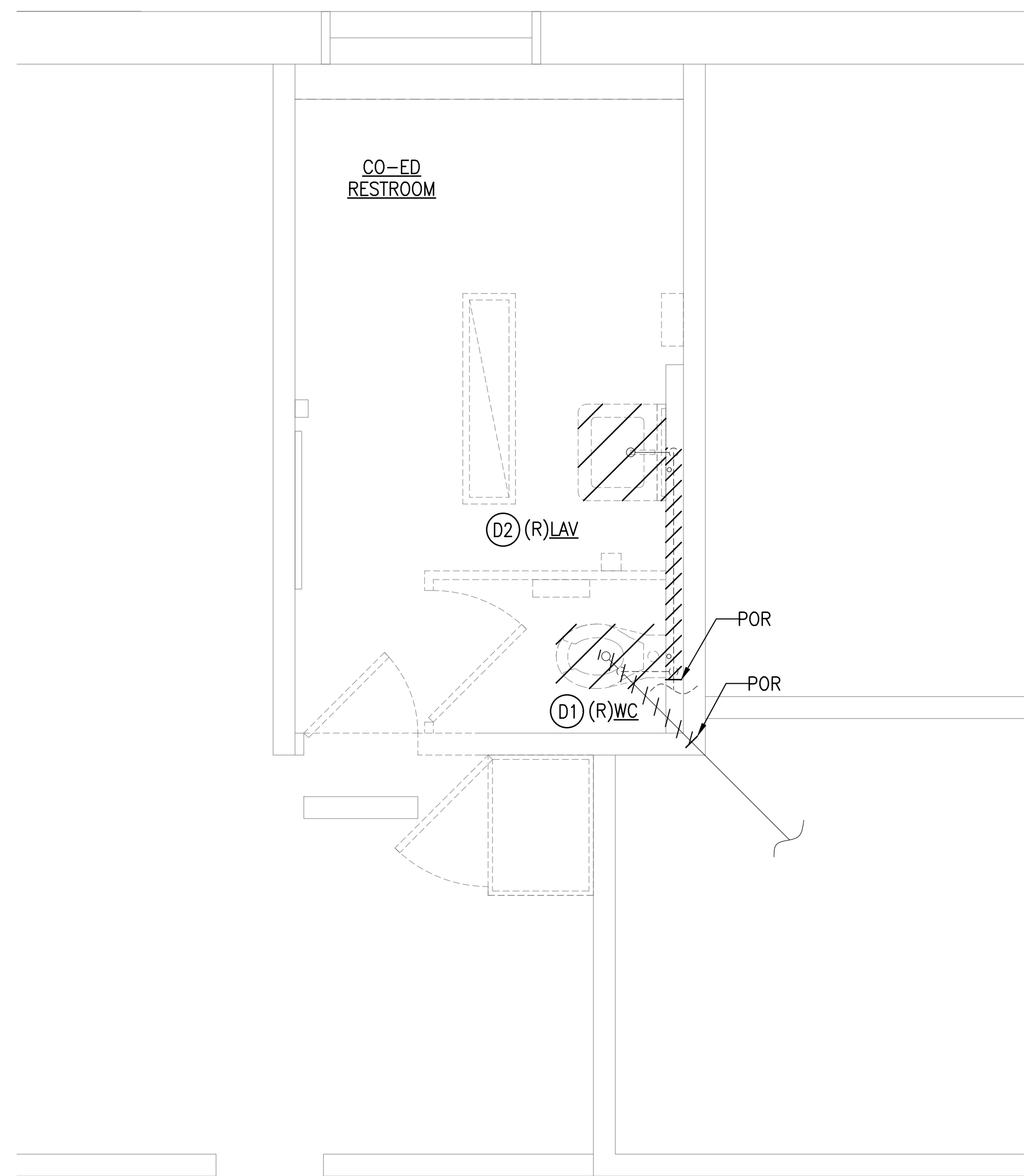
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NO.	REVISION

JOB NO. _____

SHEET **M001** DATE **SEPT 13, 2023**
11 OF 19 SHITS

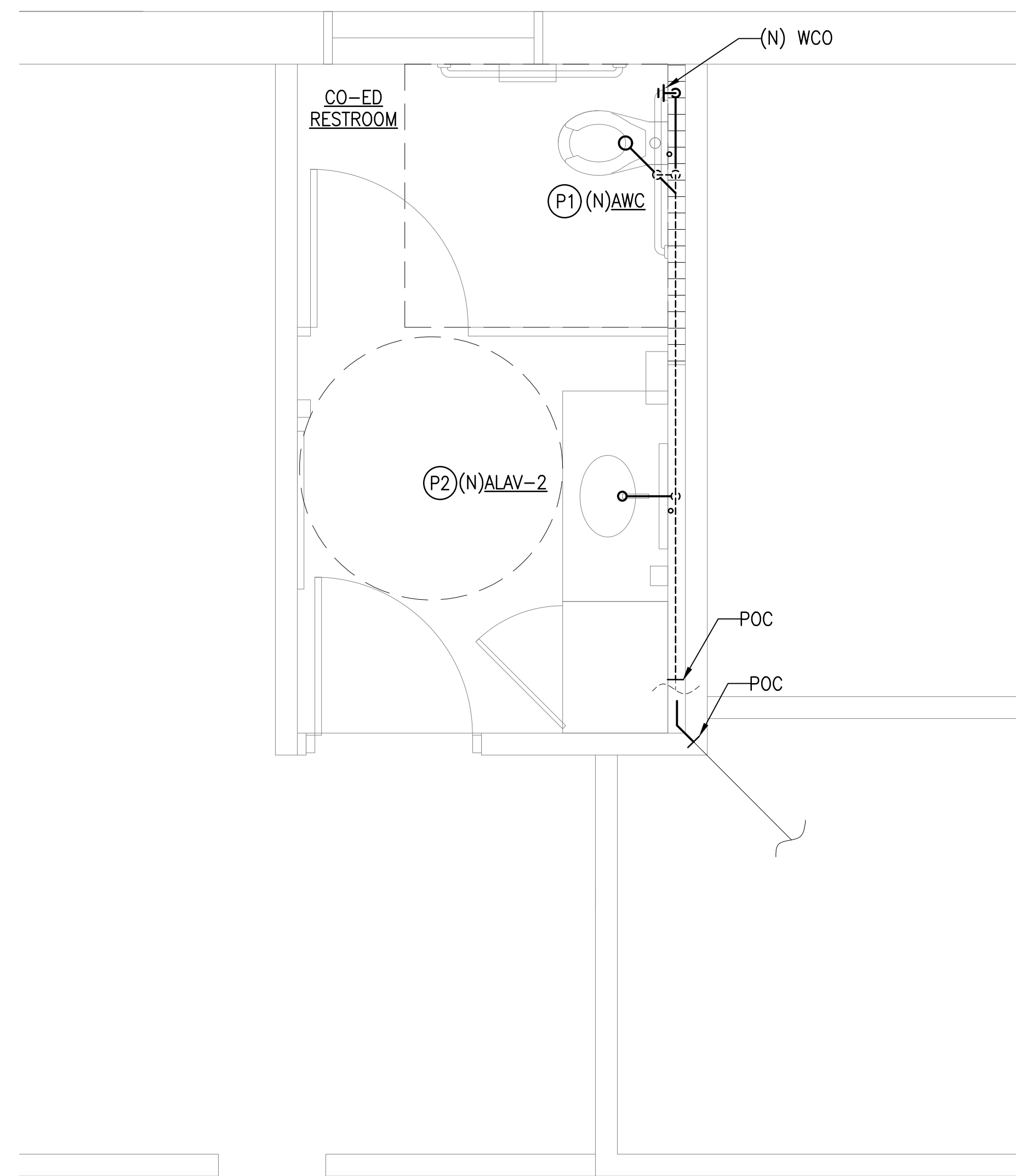
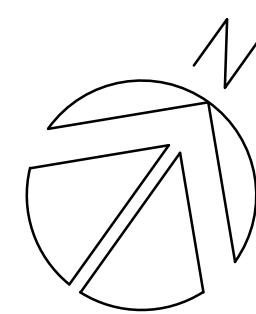
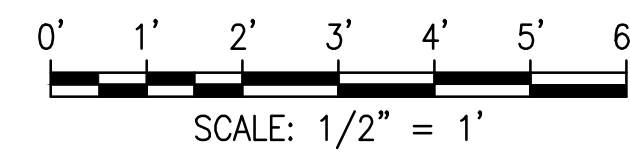




1 GROUND FLOOR RESTROOM PLUMBING DEMO PLAN
M002 SCALE: 1/2" = 1'-0"

PLUMBING DEMO NOTES:

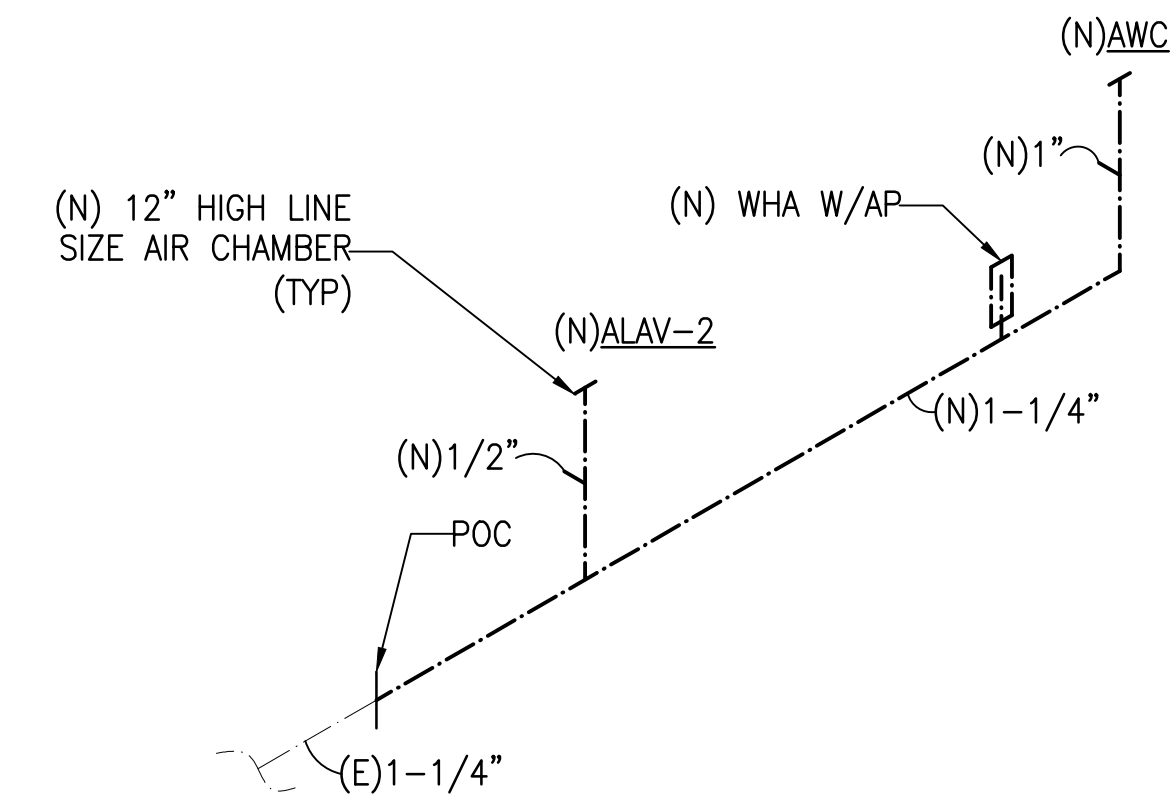
- (D1) EXISTING WC AND ACCESSORIES TO BE REMOVED COMPLETELY. EXISTING CW, SANITARY, AND VENT LINE TO BE CUT/MODIFIED AS REQUIRED TO ACCOMMODATE THE NEW WC. SEE NEW PLAN. CONTRACTOR TO FIELD VERIFY.
- (D2) EXISTING LAV AND ACCESSORIES TO BE REMOVED COMPLETELY. EXISTING CW, HW, SANITARY, AND VENT LINE TO BE CUT/MODIFIED AS REQUIRED TO ACCOMMODATE THE NEW WC/AWC. SEE NEW PLAN. CONTRACTOR TO FIELD VERIFY.



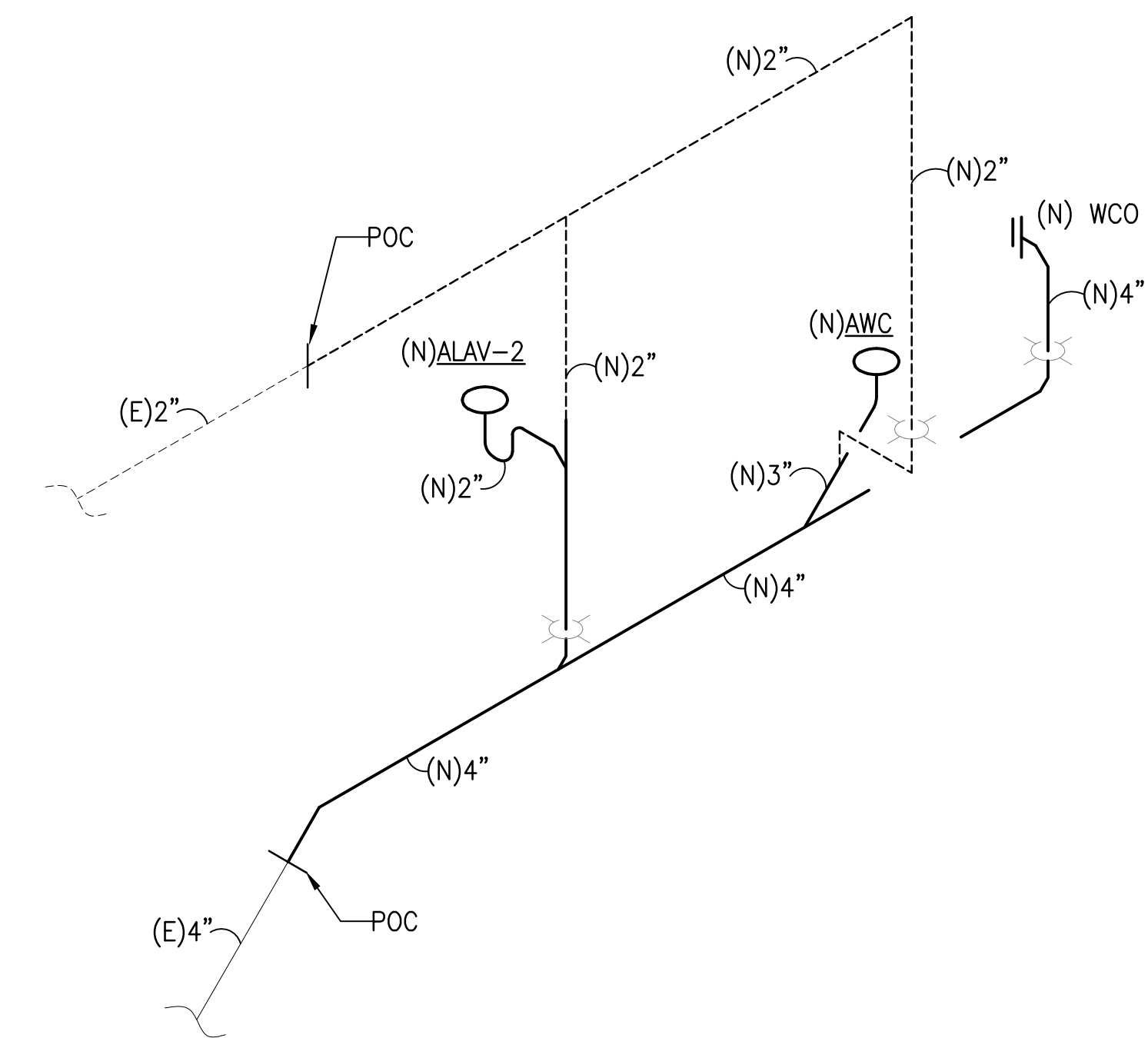
2 GROUND FLOOR RESTROOM NEW PLUMBING PLAN
M002 SCALE: 1/2" = 1'-0"

NEW PLUMBING NOTES:

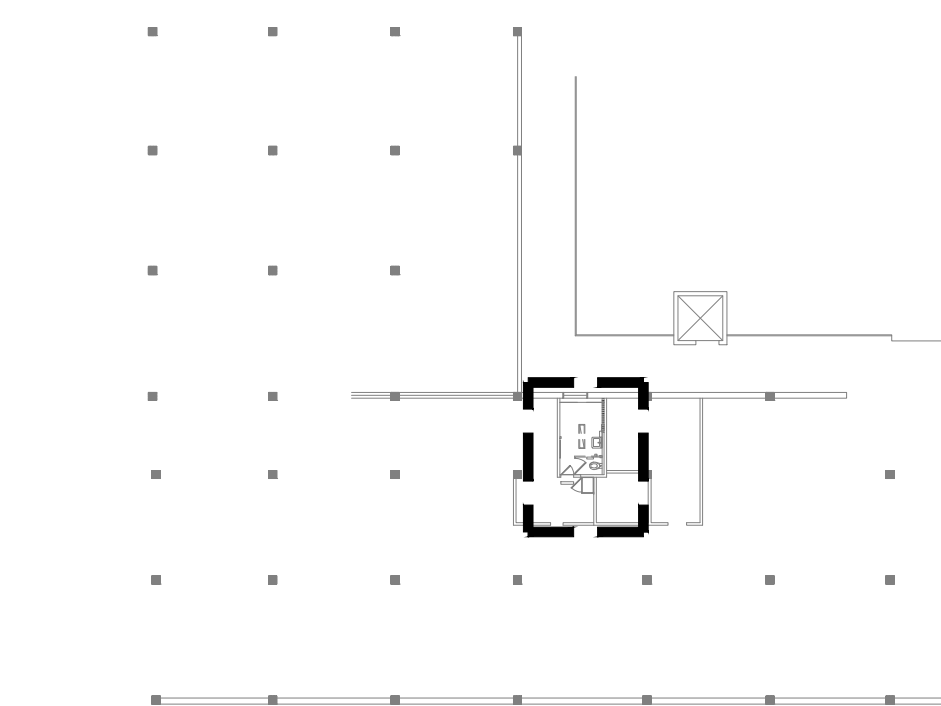
- (P1) PROVIDE NEW FLOOR MOUNTED AWC COMPLETE. PROVIDE NEW CW, SANITARY, AND VENT PIPING AS REQUIRED TO CONNECT TO EXISTING CW, SANITARY, AND VENT LINES. PROVIDE NEW WHA WITH AP AS REQUIRED FOR WATER BRANCH LINE SERVING NEW AWC. INSTALL IN ACCORDANCE WITH ADAAG 2010 SECTION 604 REQUIREMENTS. MODIFY EXISTING/NEW PLUMBING LINES AS REQUIRED TO INSTALL NEW FIXTURE. PATCH/REPAIR TO MATCH ADJACENT SURFACE. CONTRACTOR TO FIELD VERIFY.
- (P2) PROVIDE NEW UNDERMOUNT ALAV-2 COMPLETE. PROVIDE NEW CW, HW, SANITARY, AND VENT PIPING AS REQUIRED TO CONNECT TO EXISTING CW, HW, SANITARY, AND VENT LINES. PROVIDE P-TRAP COVER AND ANGLE STOP COVERS IN ACCORDANCE WITH ADA REQUIREMENTS. INSTALL IN ACCORDANCE WITH ADAAG 2010 SECTION 606 REQUIREMENTS. MODIFY EXISTING/NEW PLUMBING LINES AS REQUIRED TO INSTALL NEW FIXTURE. PATCH/REPAIR TO MATCH ADJACENT SURFACE. CONTRACTOR TO FIELD VERIFY.



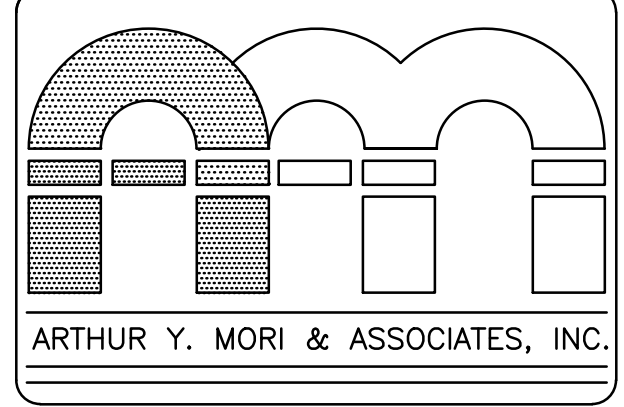
3 GROUND FLOOR RESTROOM WATER DIAGRAM
M002 SCALE: NTS



4 GROUND FLOOR RESTROOM SANITARY DIAGRAM
M002 SCALE: NTS



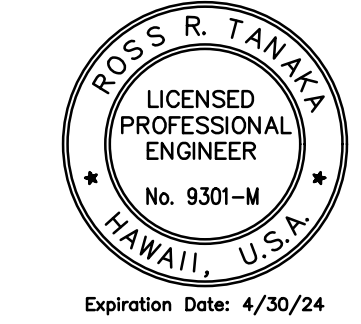
5 KEY PLAN
M002 SCALE: NTS



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SHEET TITLE
GROUND FLOOR PLUMBING PLAN



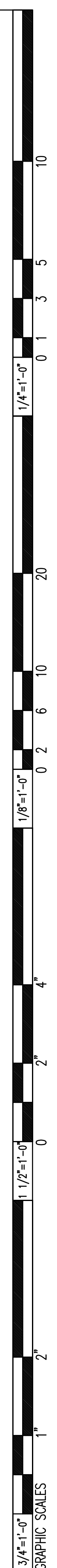
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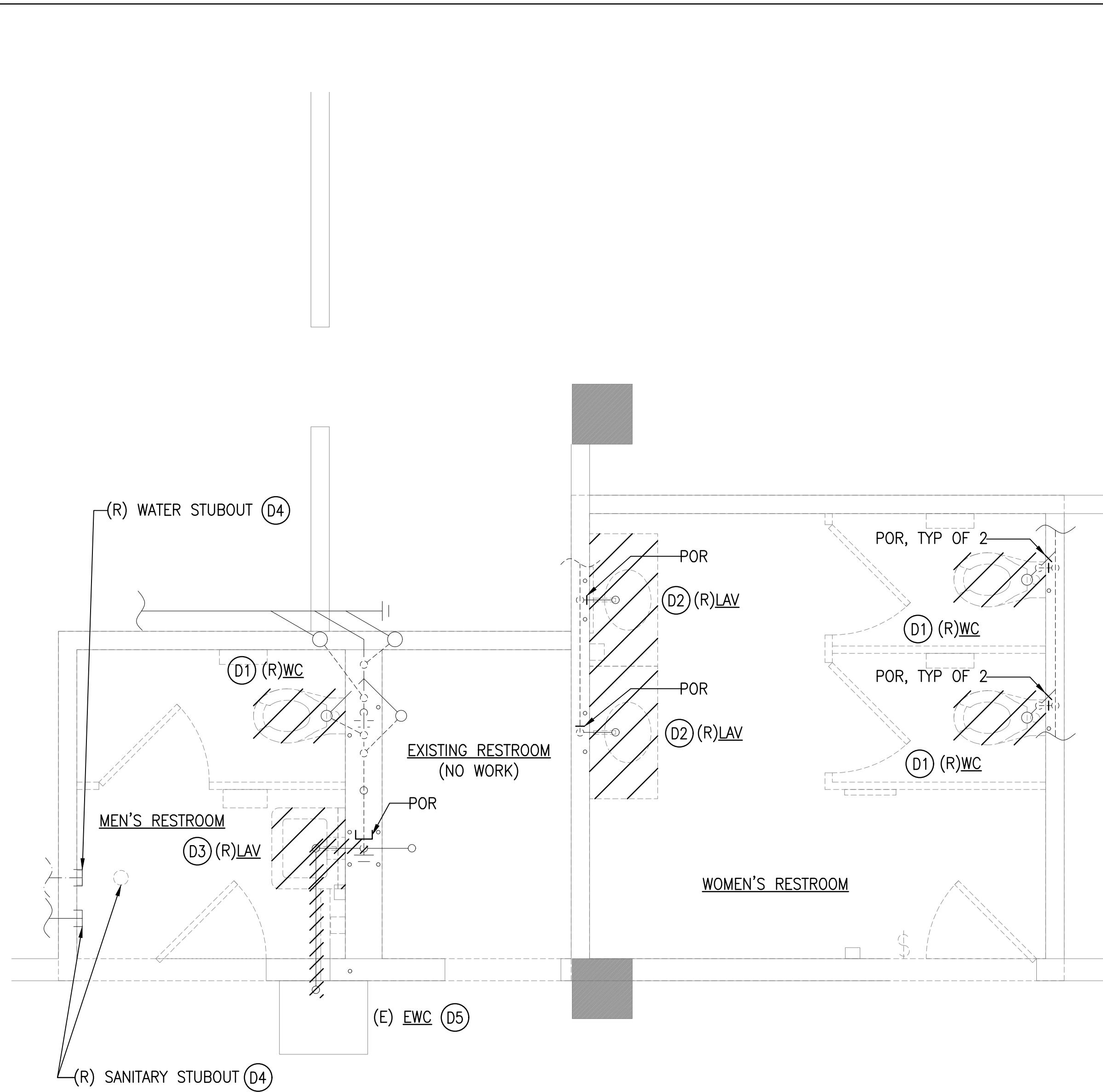
NOTE:
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NO.	REVISION

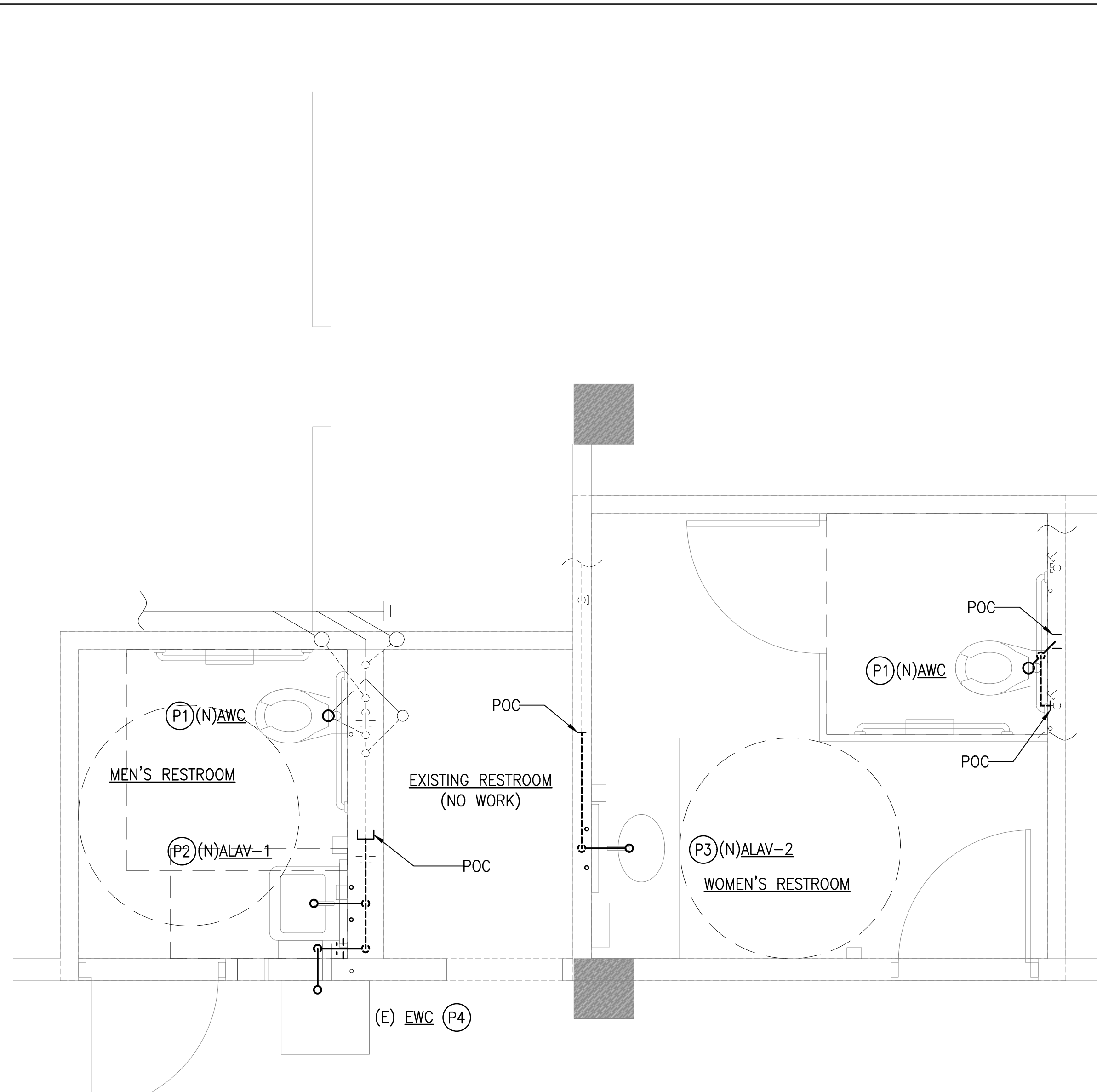
JOB NO. _____

SHEET **M002** DATE **SEPT 13, 2023**
12 OF 19 SHTS





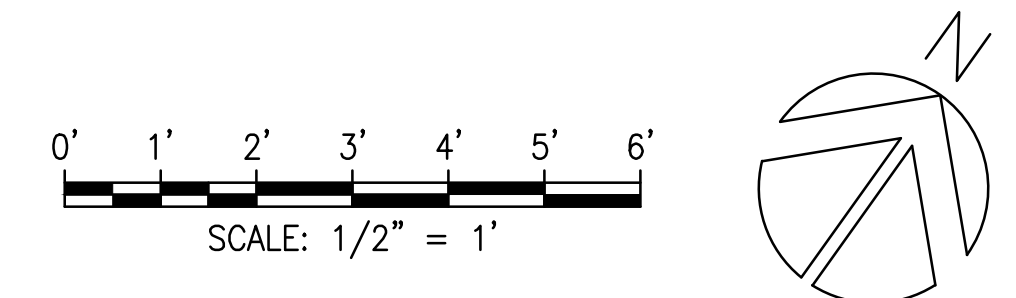
1 **2ND FLOOR RESTROOM PLUMBING DEMO PLAN**
 MO03 SCALE: 1/2" = 1'-0"



2 **2ND FLOOR RESTROOM NEW PLUMBING PLAN**
 MO03 SCALE: 1/2" = 1'-0"

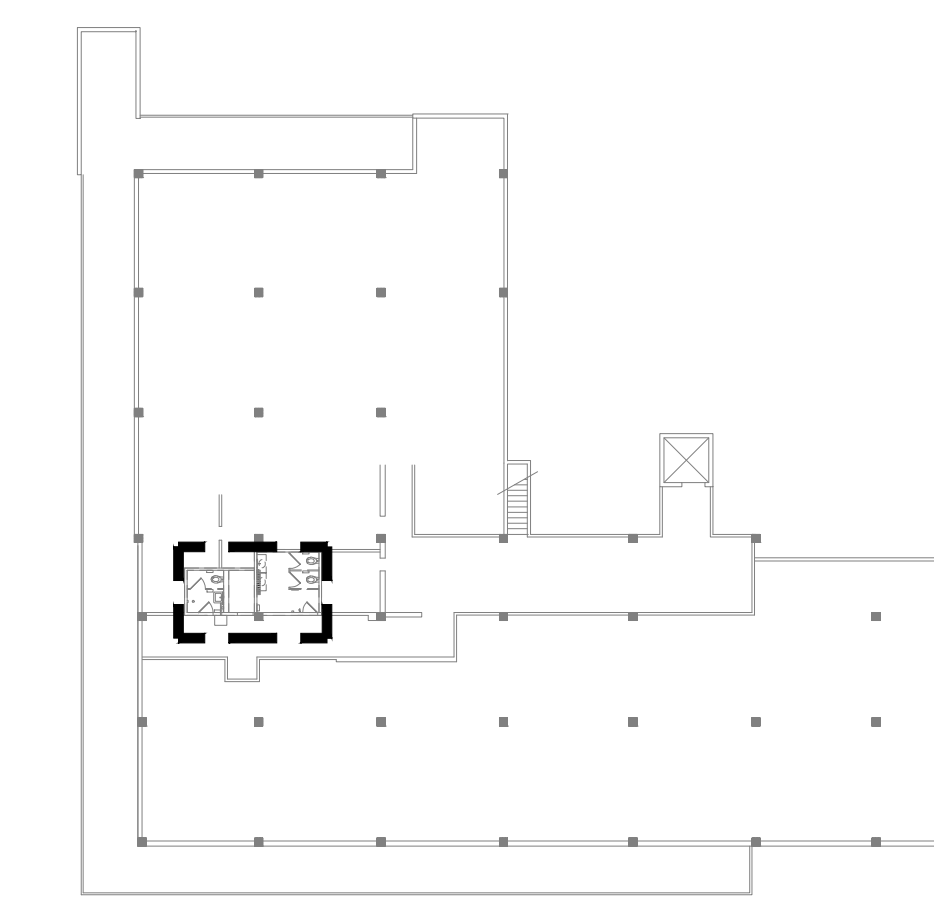
PLUMBING DEMO NOTES:

- (D1) EXISTING WC AND ACCESSORIES TO BE REMOVED COMPLETELY. EXISTING CW, SANITARY, AND VENT LINE TO BE CUT/MODIFIED AS REQUIRED TO ACCOMMODATE THE NEW WC. SEE NEW PLAN. CONTRACTOR TO FIELD VERIFY.
- (D2) EXISTING LAV AND ACCESSORIES TO BE REMOVED COMPLETELY. EXISTING CW, HW, SANITARY, AND VENT LINE TO BE CUT/MODIFIED AS REQUIRED TO ACCOMMODATE THE NEW LAV. SEE NEW PLAN. CONTRACTOR TO FIELD VERIFY.
- (D3) EXISTING LAV AND ACCESSORIES TO BE REMOVED COMPLETELY. CUT/CAP EXISTING SANITARY LINE THAT'S CONNECTED TO EXISTING EWC UP TO POR AS SHOWN ON PLANS. EXISTING CW, HW, SANITARY, AND VENT LINE TO BE CUT/MODIFIED AS REQUIRED TO ACCOMMODATE THE NEW LAV. SEE NEW PLAN. CONTRACTOR TO FIELD VERIFY.
- (D4) CUT/CAP EXISTING WATER/SANITARY STUBOUTS. PATCH/REPAIR TO MATCH ADJACENT SURFACE. CONTRACTOR TO FIELD VERIFY.
- (D5) EXISTING EWC IS TO REMAIN. CUT SANITARY LINE UP TO POR AS SHOWN. SEE NEW PLAN FOR RECONNECTING THE EWC TO EXISTING SANITARY LINE. CONTRACTOR TO FIELD VERIFY.

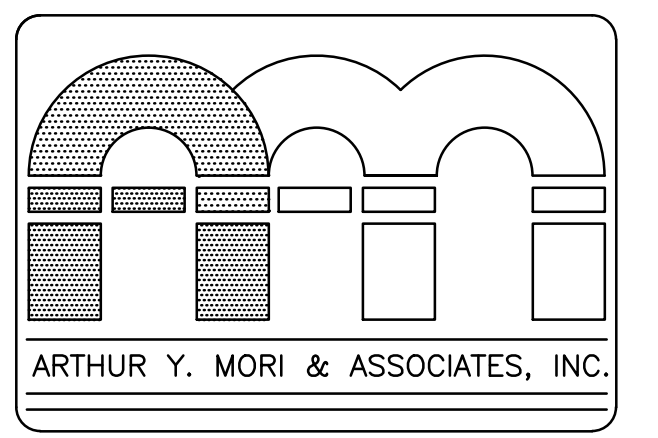


NEW PLUMBING NOTES:

- (P1) PROVIDE NEW FLOOR MOUNTED AWC COMPLETE. PROVIDE NEW CW, SANITARY, AND VENT PIPING AS REQUIRED TO CONNECT TO EXISTING CW, SANITARY, AND VENT LINES. PROVIDE NEW WHA WITH AP AS REQUIRED FOR WATER BRANCH LINE SERVING NEW AWC. INSTALL IN ACCORDANCE WITH ADAAG 2010 SECTION 604 REQUIREMENTS. MODIFY EXISTING/NEW PLUMBING LINES AS REQUIRED TO INSTALL NEW FIXTURE. PATCH/REPAIR TO MATCH ADJACENT SURFACE. CONTRACTOR TO FIELD VERIFY.
- (P2) PROVIDE NEW WALL MOUNTED ALAV-1 WITH FLOOR MOUNTED WALL SUPPORT. PROVIDE CW, HW, SANITARY, AND VENT PIPING AS REQUIRED TO CONNECT TO EXISTING CW, HW, SANITARY, AND VENT LINES. PROVIDE NEW SANITARY PIPING UP TO POC AS SHOWN ON PLAN. PROVIDE P-TRAP AND ANGLE STOP COVERS IN ACCORDANCE WITH ADA REQUIREMENTS. INSTALL IN ACCORDANCE WITH ADAAG 2010 SECTION 606 REQUIREMENTS. MODIFY EXISTING/NEW PLUMBING LINES AS REQUIRED TO INSTALL NEW FIXTURE. PATCH/REPAIR TO MATCH ADJACENT SURFACE. CONTRACTOR TO FIELD VERIFY.
- (P3) PROVIDE NEW UNDERMOUNT ALAV-2 COMPLETE. PROVIDE NEW CW, HW, SANITARY, AND VENT PIPING AS REQUIRED TO CONNECT TO EXISTING CW, HW, SANITARY, AND VENT LINES. PROVIDE P-TRAP COVER AND ANGLE STOP COVERS IN ACCORDANCE WITH ADA REQUIREMENTS. INSTALL IN ACCORDANCE WITH ADAAG 2010 SECTION 606 REQUIREMENTS. MODIFY EXISTING/NEW PLUMBING LINES AS REQUIRED TO INSTALL NEW FIXTURE. PATCH/REPAIR TO MATCH ADJACENT SURFACE. CONTRACTOR TO FIELD VERIFY.
- (P4) THE EWC IS EXISTING TO REMAIN. PROVIDE SANITARY AND VENT LINES AS REQUIRED TO CONNECT TO EXISTING SANITARY AND VENT PIPING. PROVIDE P-TRAP AS REQUIRED. MODIFY EXISTING/NEW PLUMBING LINES AS REQUIRED TO INSTALL NEW FIXTURE. PATCH/REPAIR TO MATCH ADJACENT SURFACE. CONTRACTOR TO FIELD VERIFY.



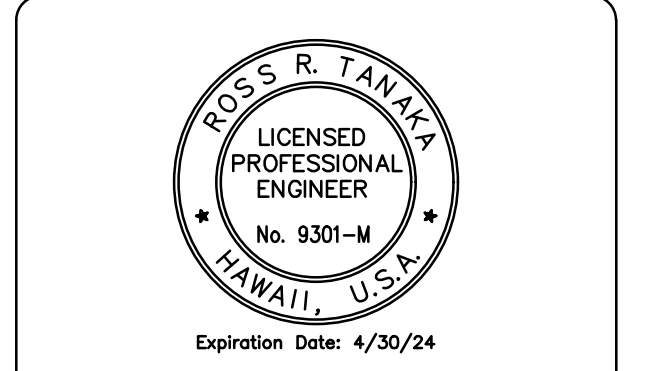
3 **KEY PLAN**
 MO03 SCALE: NTS



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2ND FLOOR PLUMBING PLAN

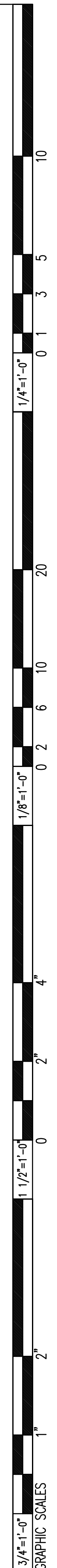


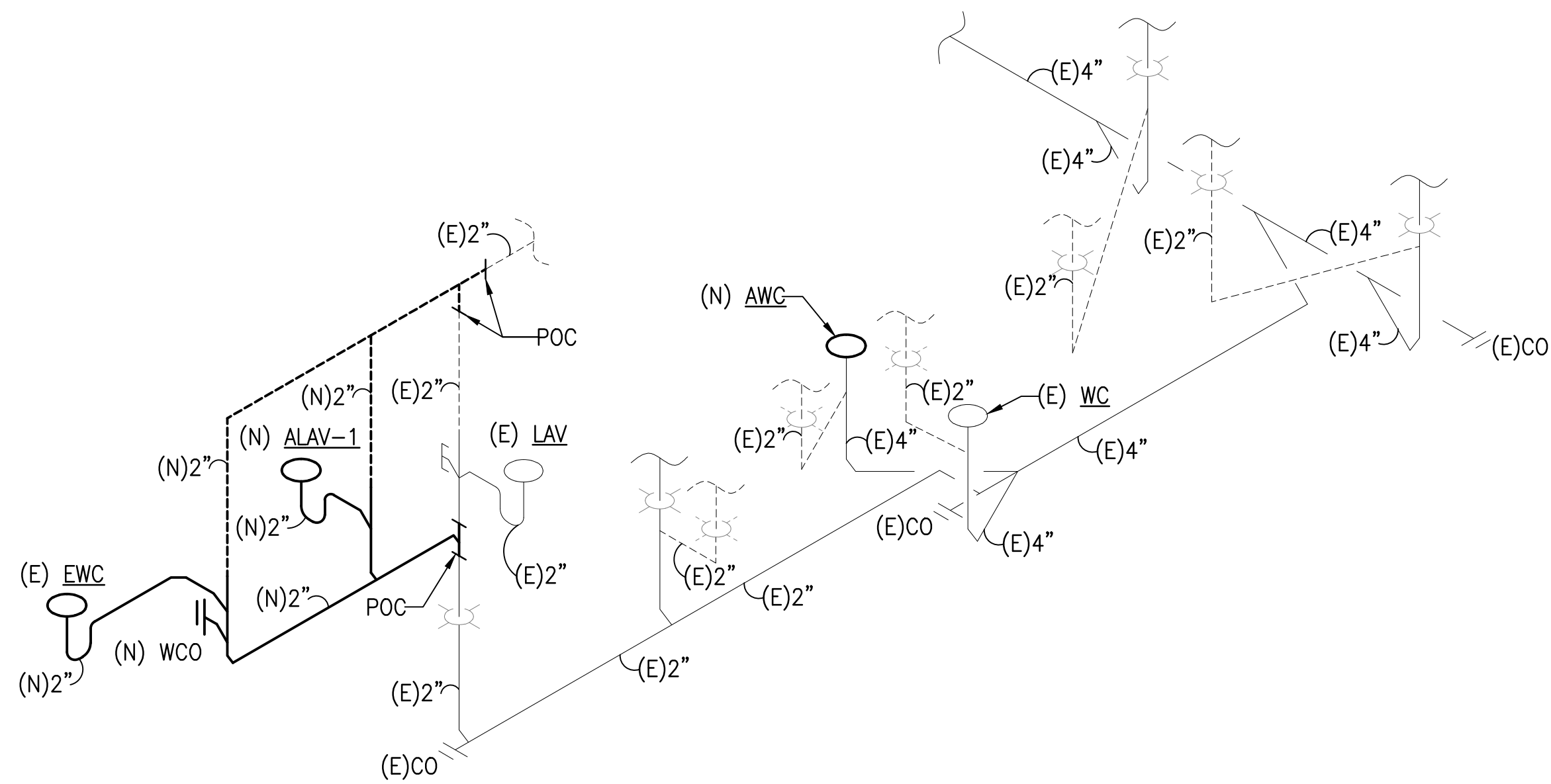
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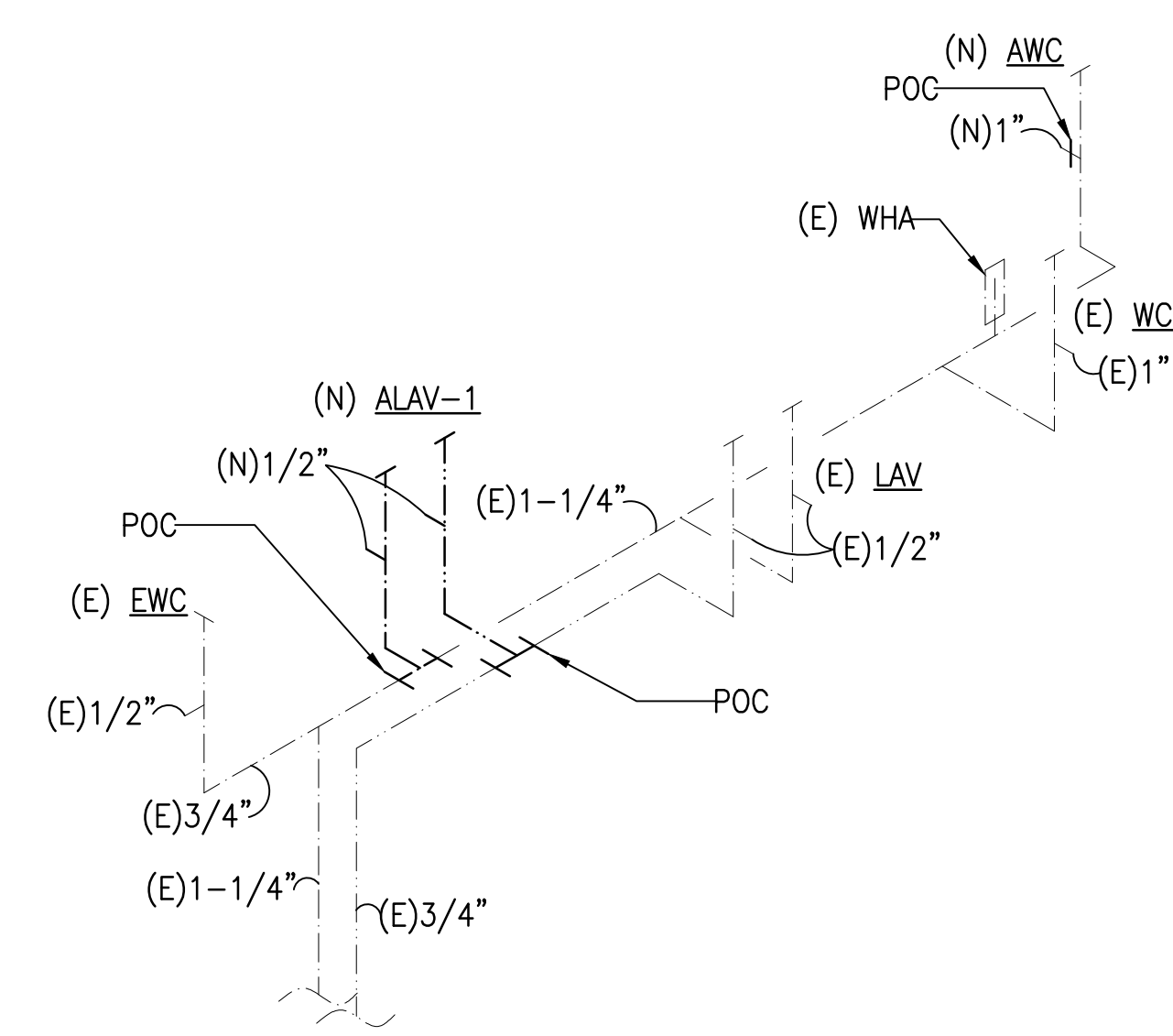
NO.	REVISION

SHEET **MO03** DATE **SEPT 13, 2023**
 13 OF 19 SHITS

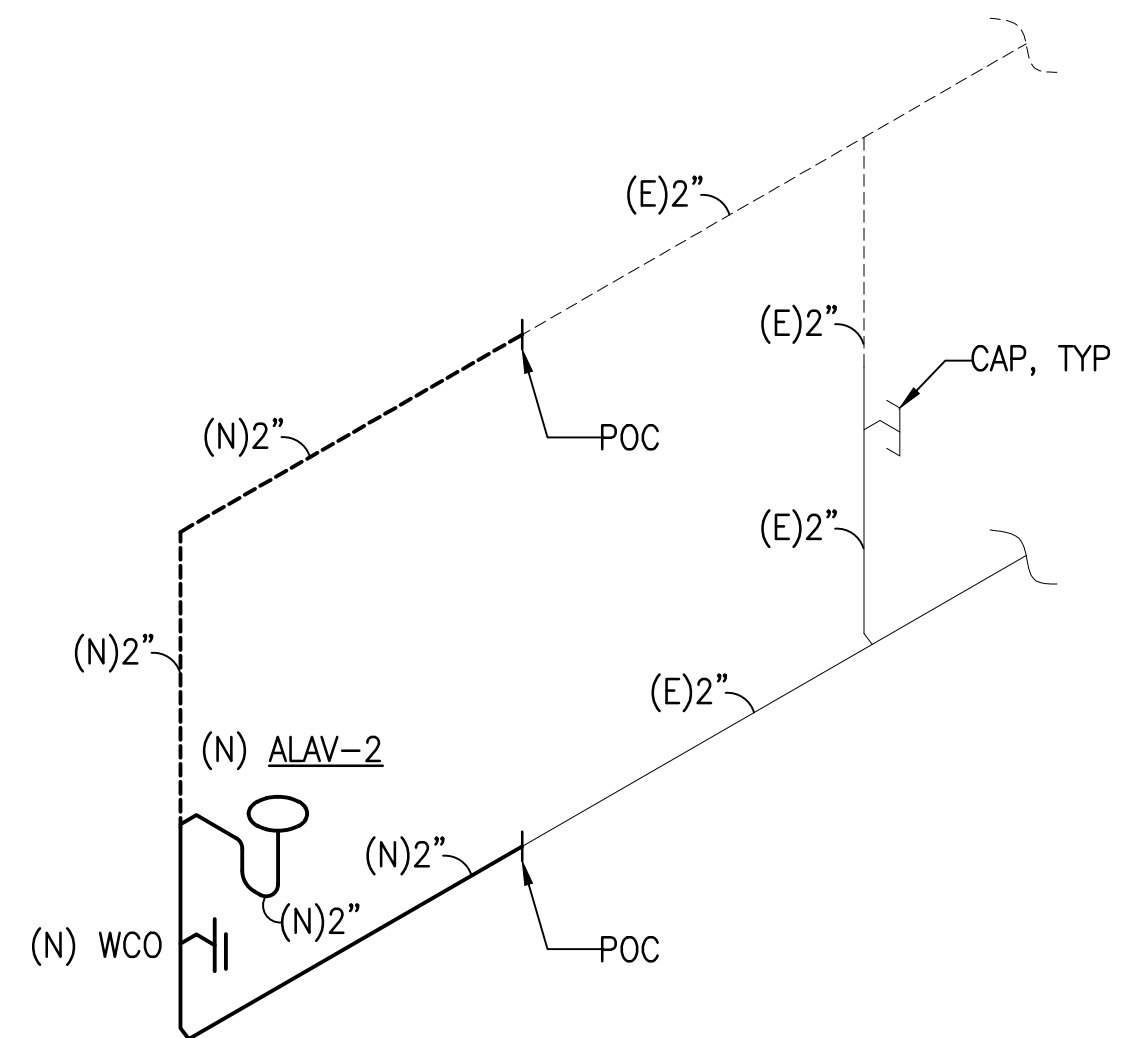




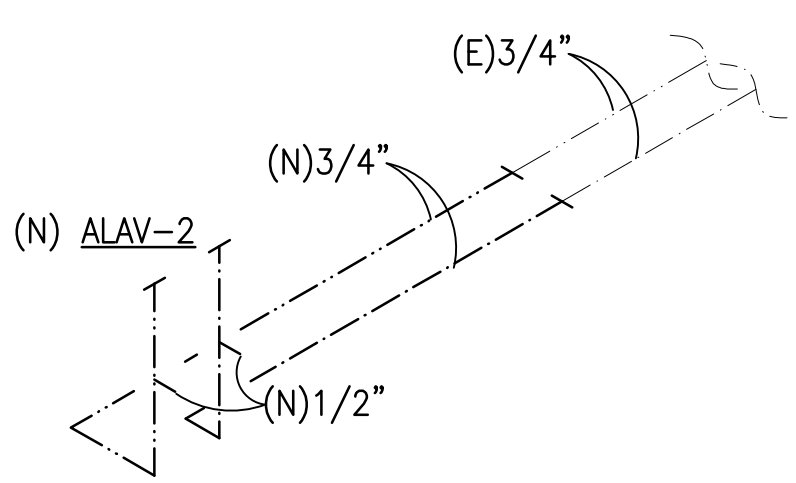
1 2ND FLOOR MEN'S RESTROOM SANITARY DIAGRAM
 M004 SCALE: NTS



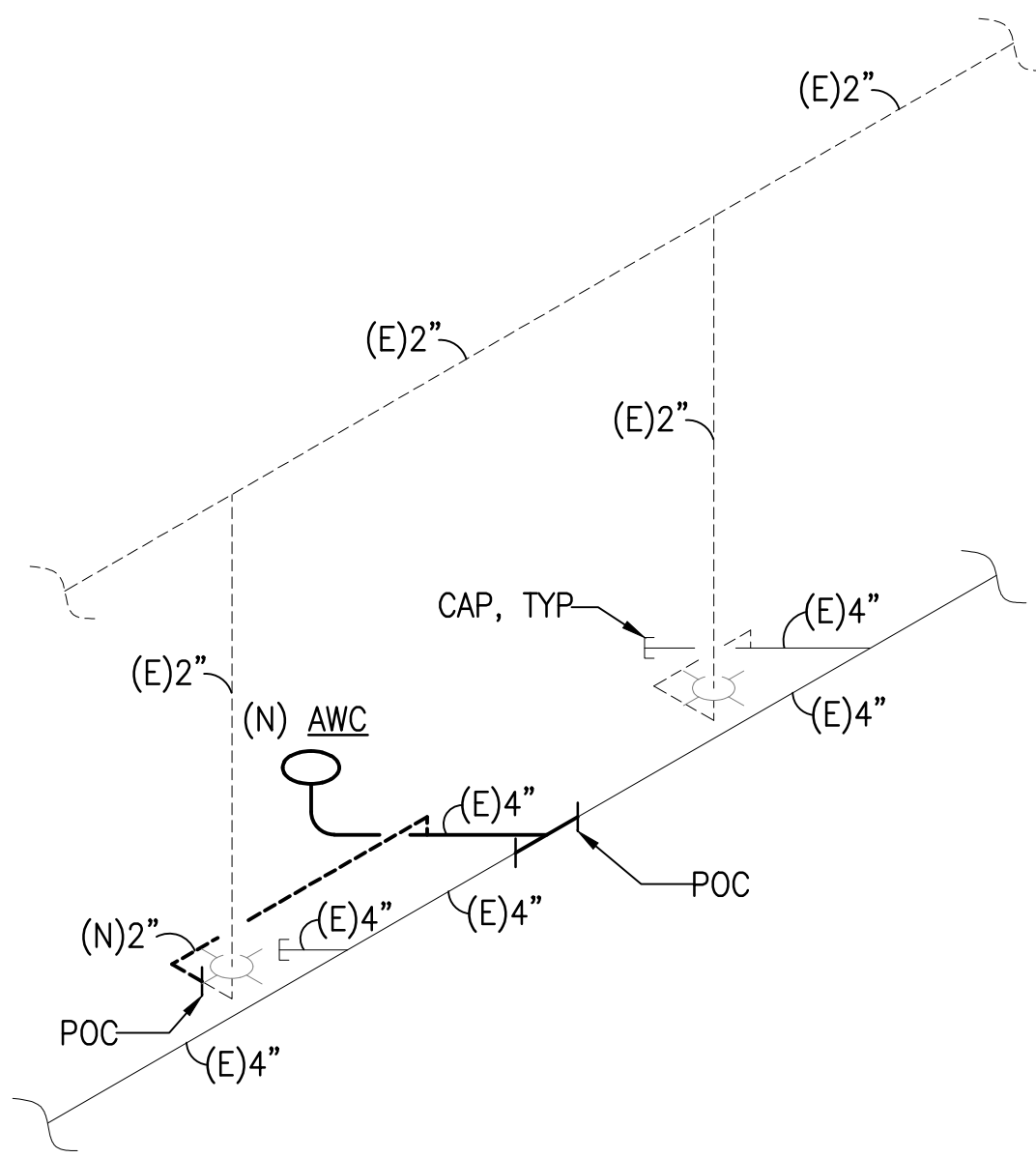
2 2ND FLOOR MEN'S RESTROOM WATER DIAGRAM
 M004 SCALE: NTS



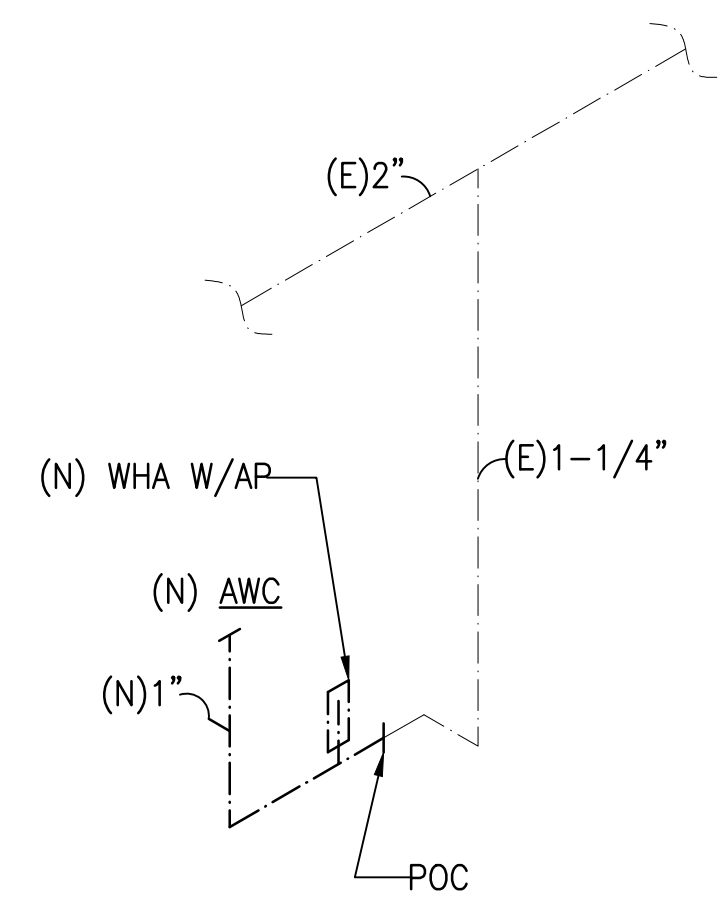
3 2ND FLOOR WOMEN'S RESTROOM SANITARY DIAGRAM 1
 M004 SCALE: NTS



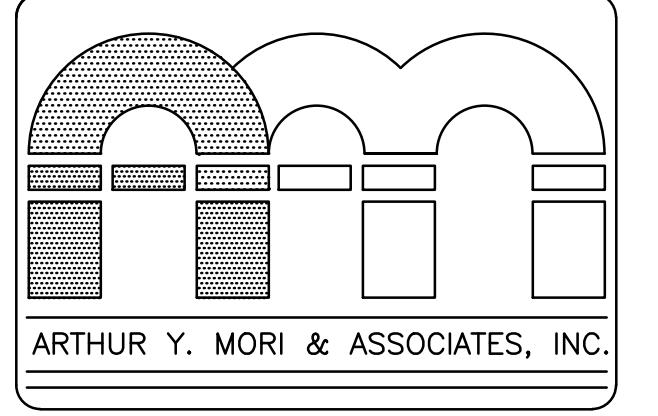
4 2ND FLOOR WOMEN'S RESTROOM WATER DIAGRAM 1
 M004 SCALE: NTS



5 2ND FLOOR WOMEN'S RESTROOM SANITARY DIAGRAM 2
 M004 SCALE: NTS



6 2ND FLOOR WOMEN'S RESTROOM WATER DIAGRAM 2
 M004 SCALE: NTS

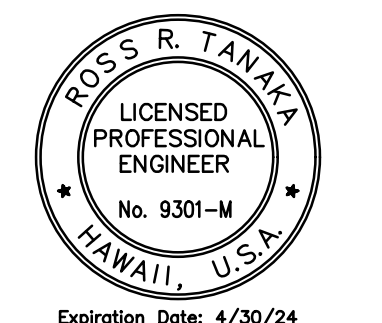


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2ND FLOOR PLUMBING DIAGRAMS

SHEET TITLE

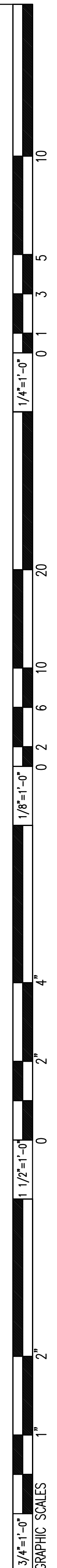


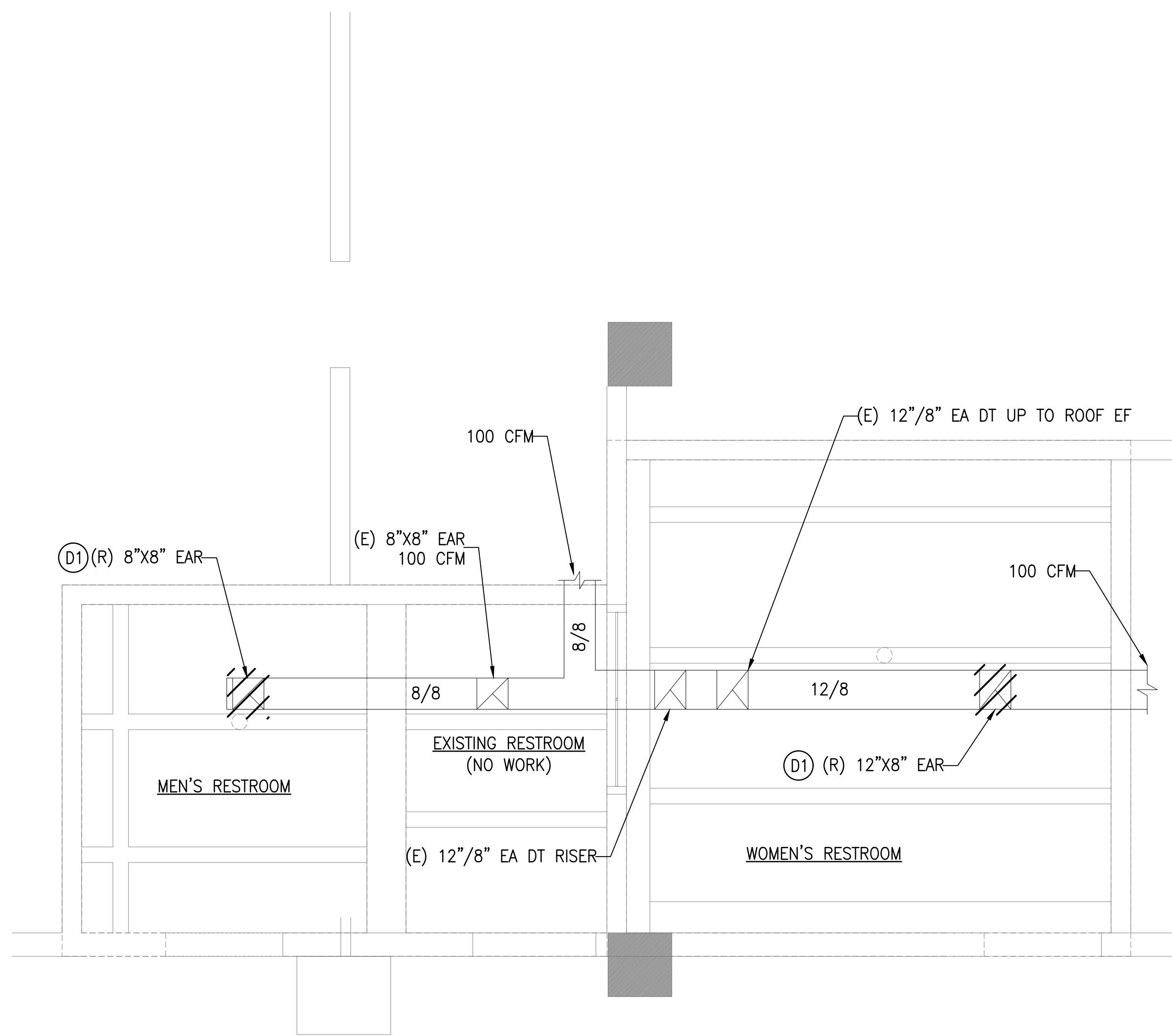
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NO.	REVISION

SHEET **M004** DATE **SEPT 13, 2023**
 14 OF 19 SHITS

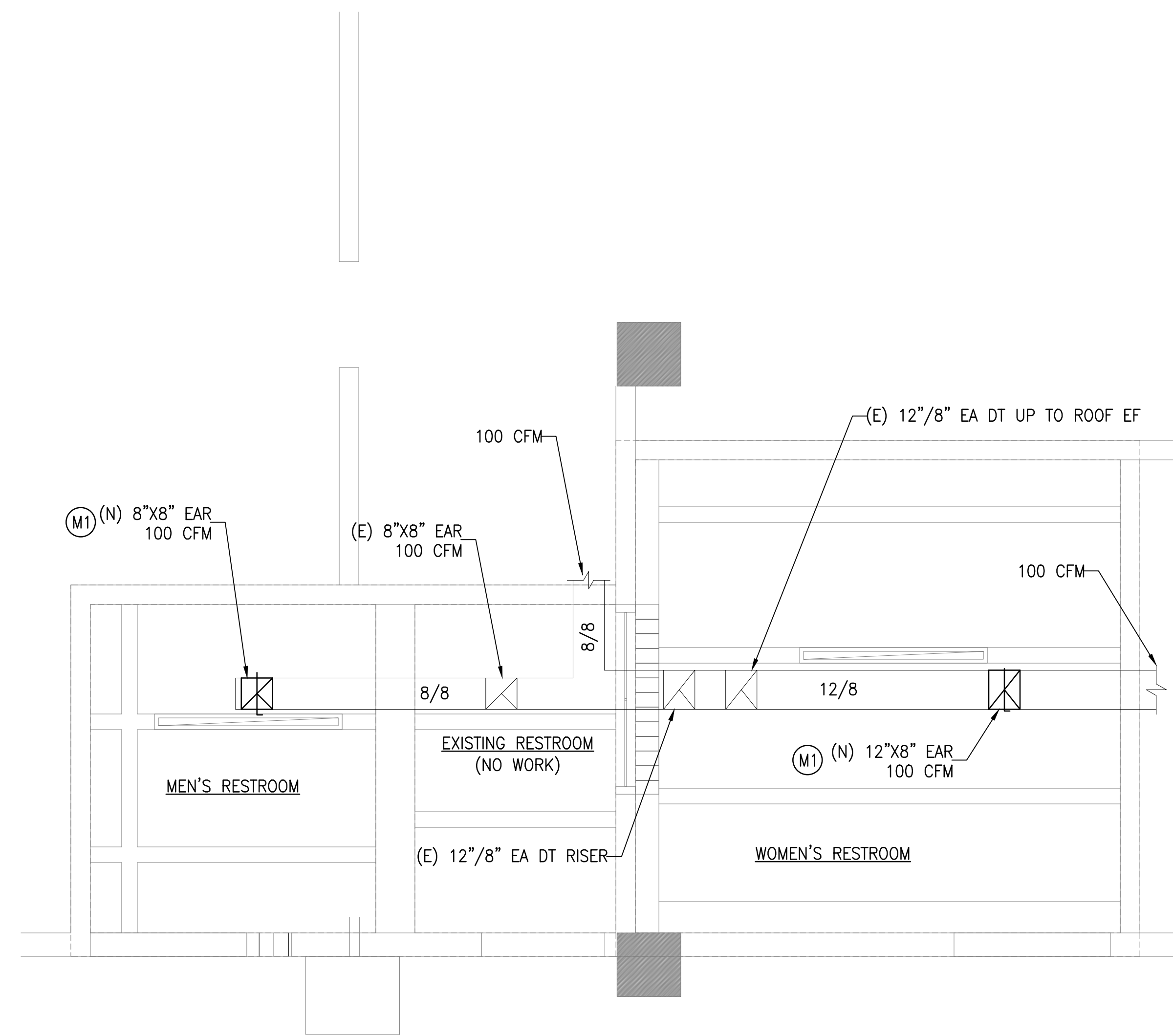
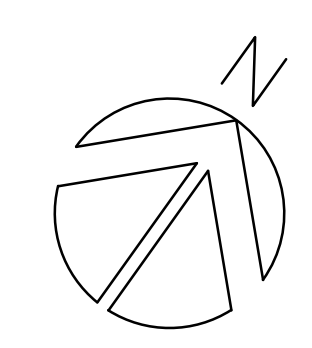
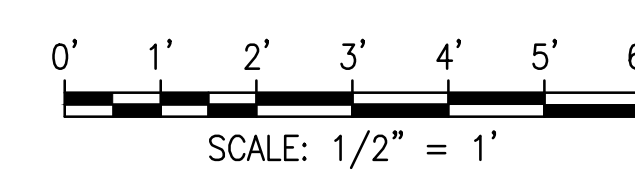




1
M005 2ND FLOOR RESTROOM MECHANICAL DEMO PLAN
SCALE: 1/2" = 1'-0"

MECHANICAL DEMO NOTES:

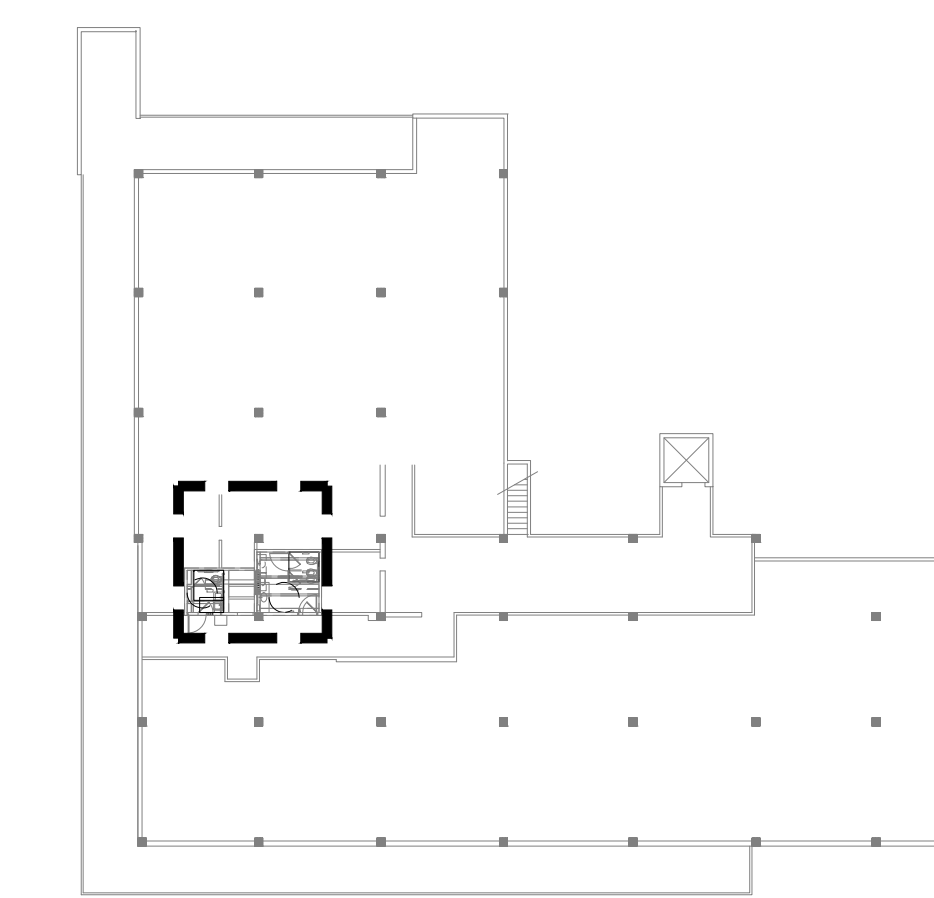
(D1) EXISTING EAR TO BE REMOVED COMPLETELY. CUT/MODIFY EA DUCTWORK AS REQUIRED TO ACCOMMODATE THE INSTALLATION OF THE NEW EAR. SEE NEW PLAN, CONTRACTOR TO FIELD VERIFY.



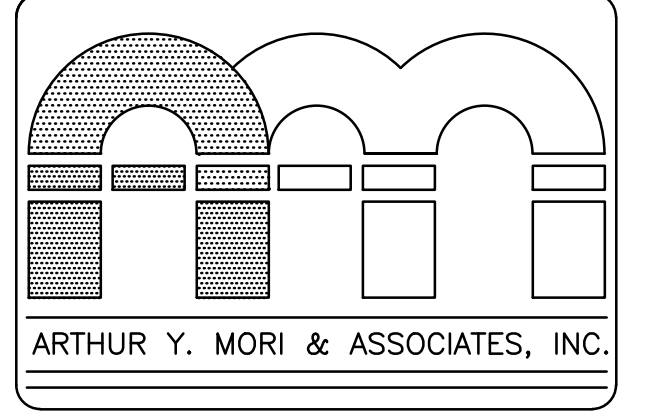
2
M005 2ND FLOOR RESTROOM NEW MECHANICAL PLAN
SCALE: 1/2" = 1'-0"

NEW MECHANICAL NOTES:

(M1) PROVIDE NEW EAR WITH VOLUME DAMPER. PROVIDE/MODIFY EA DUCTWORK AS REQUIRED TO ACCOMMODATE THE INSTALLATION OF THE NEW EAR. PATCH/REPAIR TO MATCH EXISTING. CONTRACTOR TO FIELD VERIFY.



3
M005 KEY PLAN
SCALE: NTS



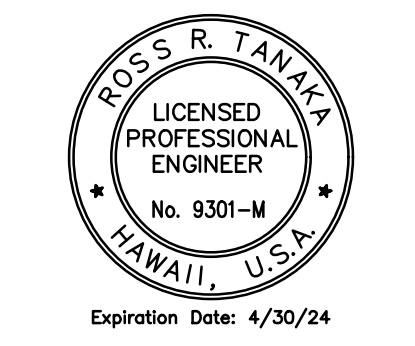
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Leahi Hospital
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Honolulu, HI 96816

2ND FLOOR MECHANICAL PLAN

SHEET TITLE

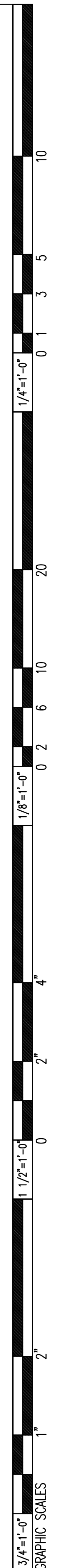


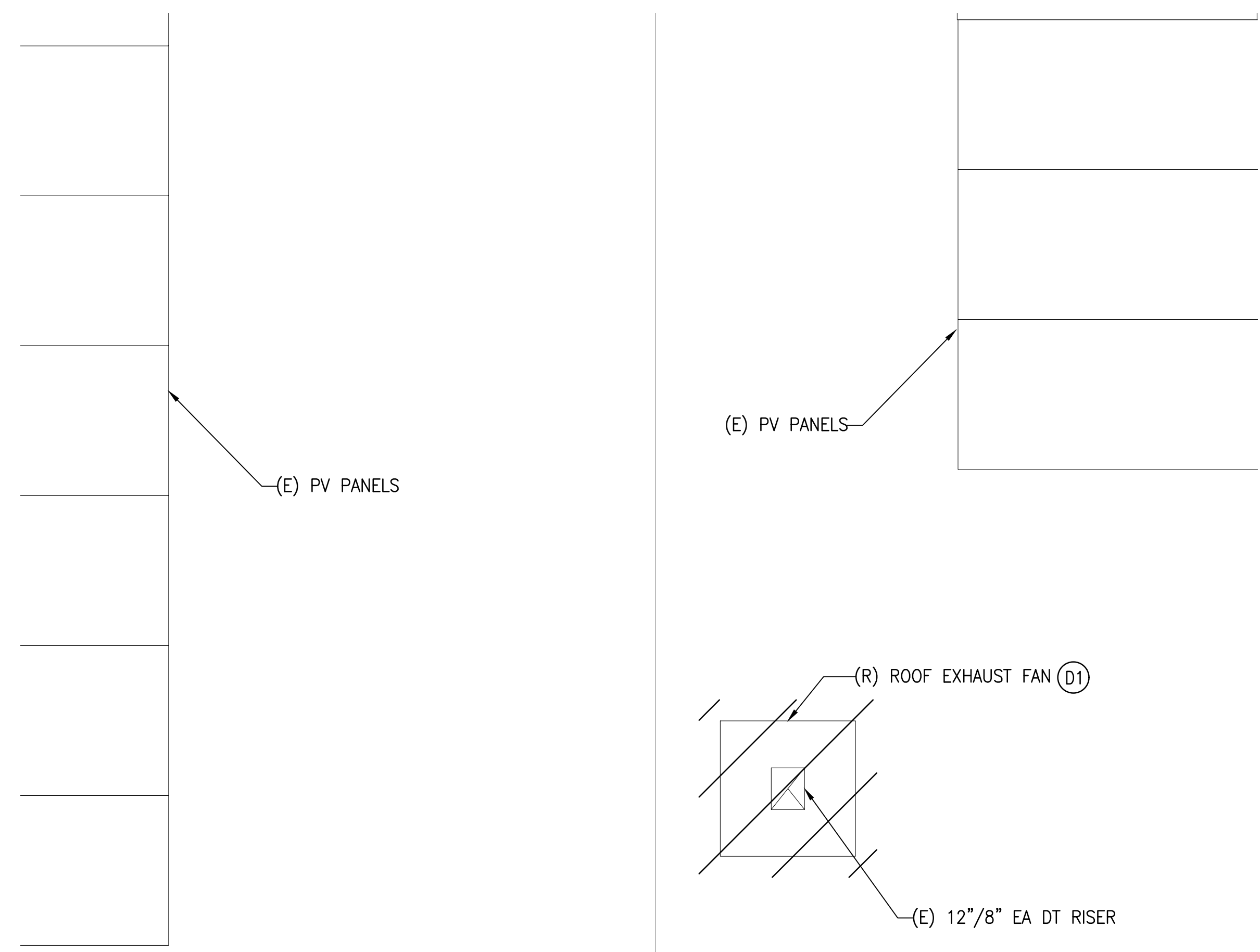
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SHEET M005 DATE SEPT 13, 2023
15 OF 19 SHITS





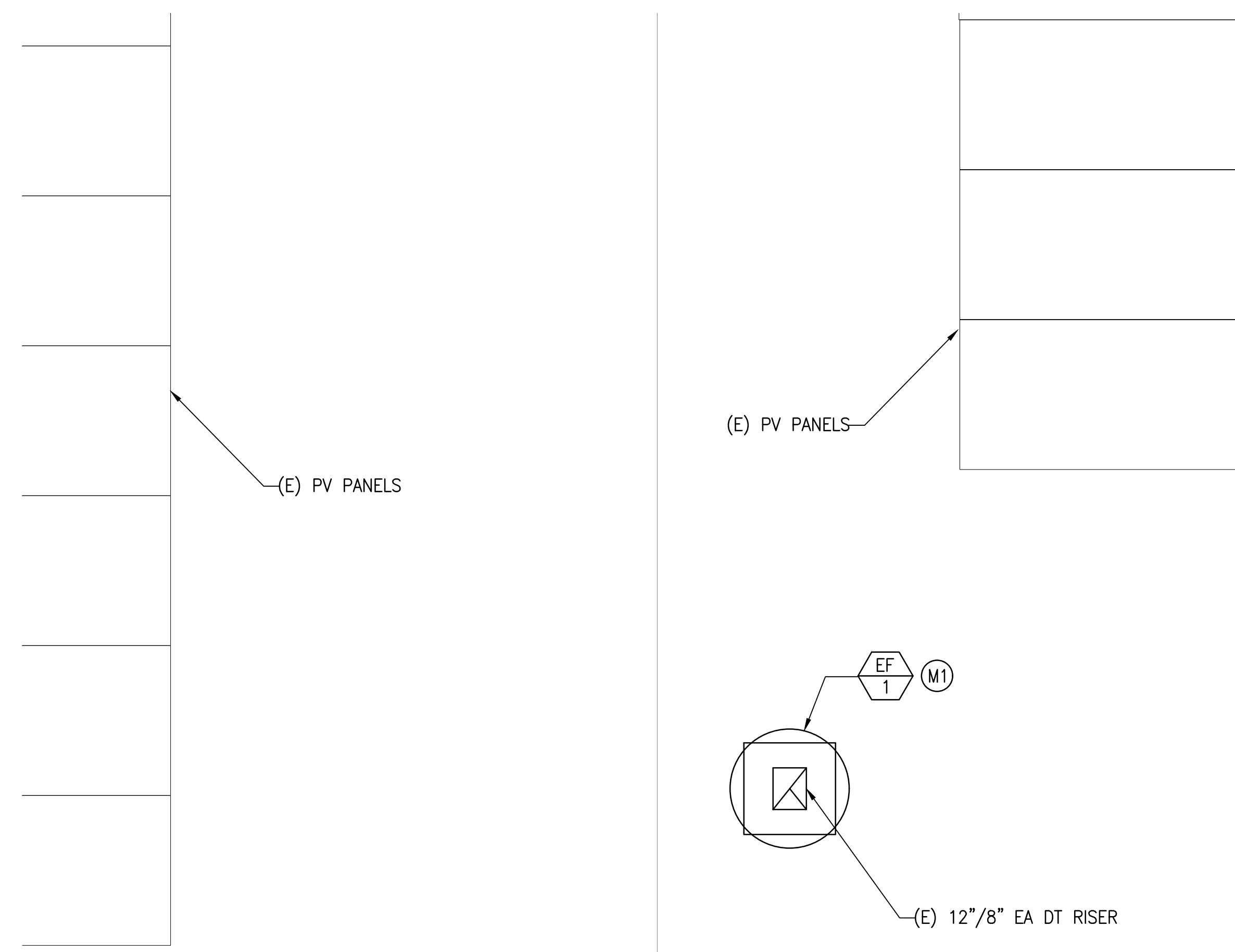
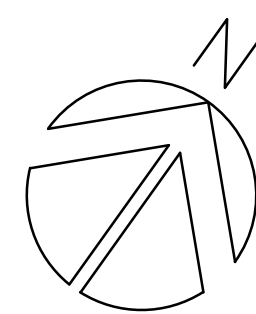
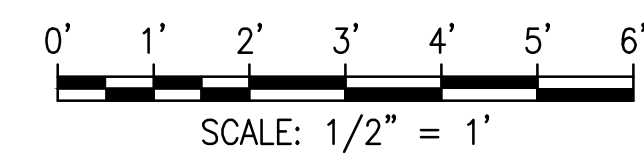
1 ROOF MECHANICAL DEMO PLAN
M006 SCALE: 1/2" = 1'-0"

MECHANICAL DEMO NOTES:

- (D1) EXISTING ROOF EXHAUST FAN TO BE REMOVED COMPLETELY. CUT/MODIFY EXISTING EA DUCTWORK AS REQUIRED TO ACCOMMODATE THE INSTALLATION OF THE NEW ROOF EXHAUST FAN. SEE NEW PLAN. CONTRACTOR TO FIELD VERIFY.

ROOF EXHAUST FAN SCHEDULE

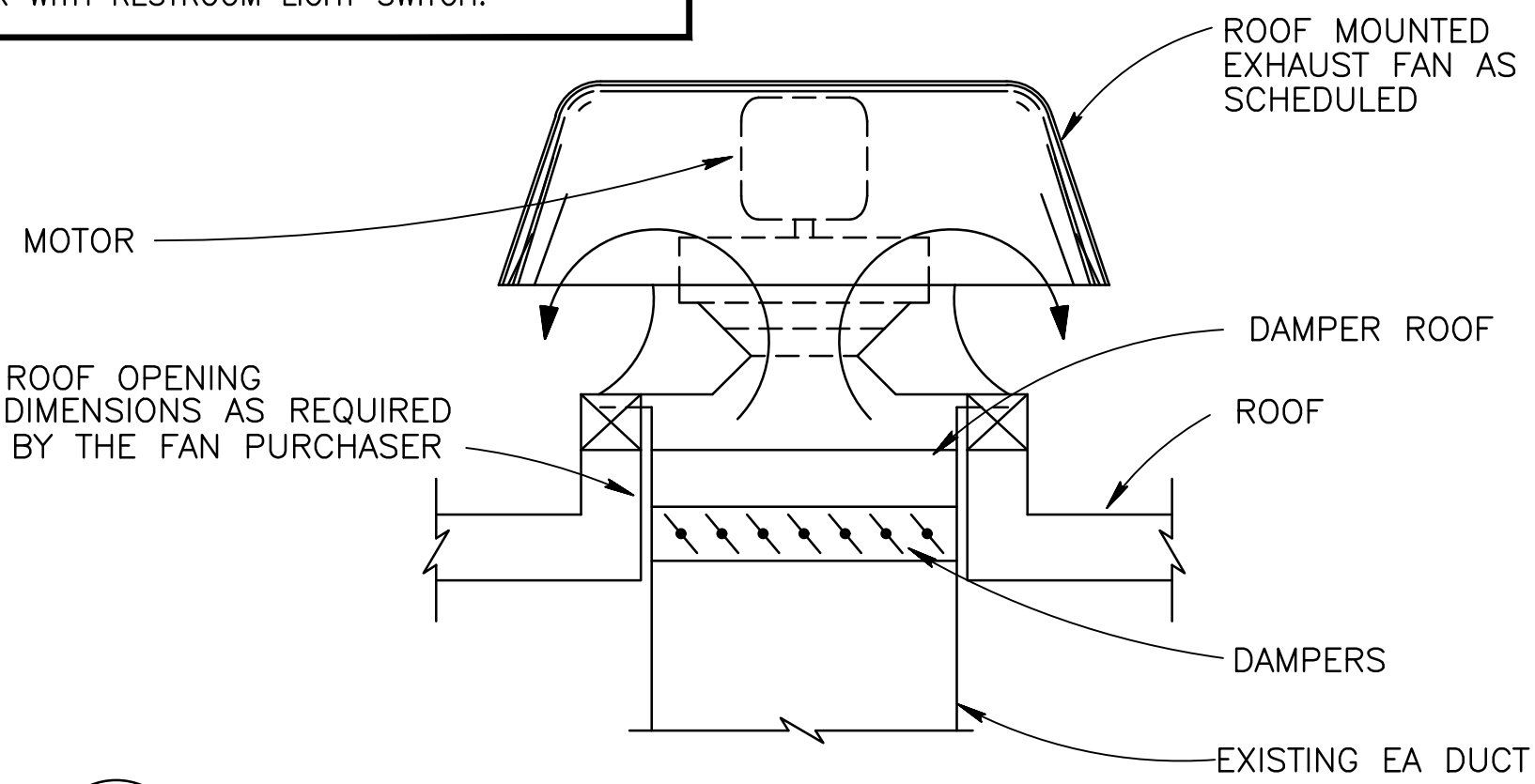
UNIT NO.	MANUFACTURER & MODEL OR APPROVED EQUAL	TYPE	CFM	SP (IN. WG.)	DRIVE	FAN RPM	MOTOR SIZE (HP)	V	Φ	Hz	SONES	OPR. WT. (LBS)	REMARKS
EF 1	GREENHECK AE-12-433-A4	ROOFTOP DOWNBLAST	500	0.6	DIRECT	1750	1/4	115	1	60	14.9	41	PROVIDE WITH STARTER, DISCONNECT, BACKDRAFT DAMPER, AND ROOF CURB ADAPTER. INTERLOCK WITH RESTROOM LIGHT SWITCH.



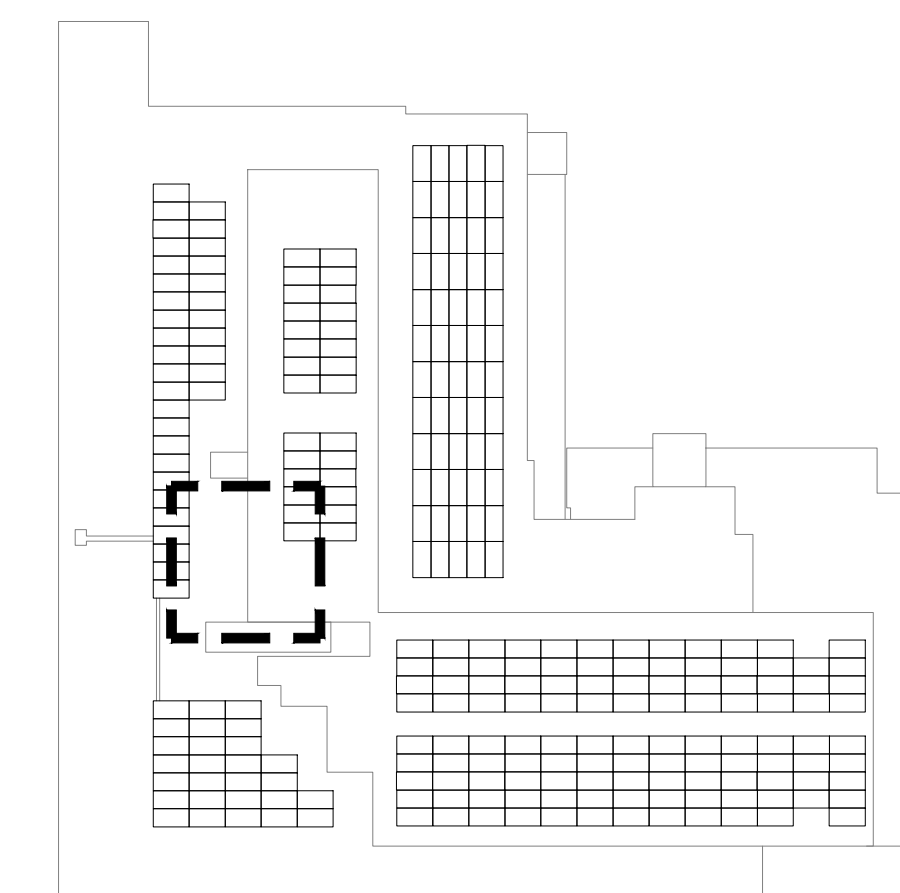
2 ROOF NEW MECHANICAL PLAN
M006 SCALE: 1/2" = 1'-0"

NEW MECHANICAL NOTES:

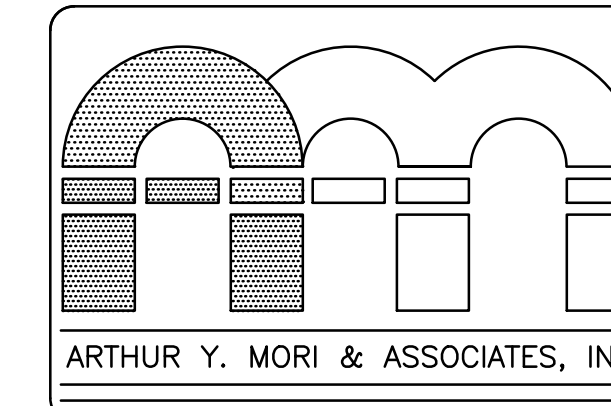
- (M1) PROVIDE NEW ROOF EXHAUST FAN COMPLETE. PROVIDE/MODIFY EA DUCTWORK AS REQUIRED TO ACCOMMODATE THE INSTALLATION OF THE NEW ROOF EF. CONTRACTOR TO VERIFY EXISTING CURB AND MODIFY AS REQUIRED TO INSTALL NEW ROOF EF. PATCH/REPAIR TO MATCH EXISTING SURFACE. CONTRACTOR TO FIELD VERIFY.



3 ROOF MOUNTED EXHAUST FAN DETAIL
M006 SCALE: NTS



4 KEY PLAN
M006 SCALE: NTS



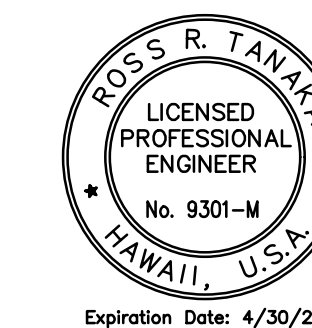
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HONOLULU, HAWAII 96814

LEAHI BATHROOM RENOVATION

Leahi Hospital
3675 Kilauea Avenue
Honolulu, HI 96816

ROOF MECHANICAL PLAN

SHEET TITLE



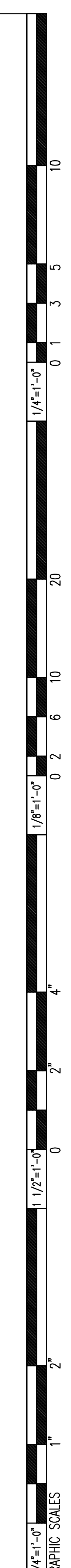
This work was prepared by me or under my supervision and construction of this project will be under my observation (observation of construction as defined in Section 16-115 of the Hawaii Administrative Rules, Department of Commerce and Consumer Affairs, entitled Professional Engineers, Architects and Surveyors of the State of Hawaii.)

NOTE: CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS AT JOB BEFORE PROCEEDING WITH WORK.

NO.	REVISION

JOB NO.

SHEET **M006** DATE **SEPT 13, 2023**
16 OF **19** SHITS



ELECTRICAL SPECIFICATIONS

- ALL WORK PER N.E.C. AND COUNTY BUILDING CODES AND THE REQUIREMENTS OF THE OWNER. CONSTRUCTION PRACTICES SHALL CONFORM TO THE LATEST EDITION OF AMERICAN ELECTRICIANS' HANDBOOK BY CROFT, AND APPLICABLE INSTRUCTIONS OF MANUFACTURERS OF EQUIPMENT AND MATERIAL SUPPLIED FOR THIS PROJECT. ALL MATERIALS SHALL BE NEW AND BEAR THE UL LABEL WHERE APPLICABLE. THE CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR. INSTALLATION SHALL BE COMPLETE IN EVERY DETAIL AS SPECIFIED AND READY FOR USE.
- CIRCUIT ROUTING IS TYPICAL ONLY AND MAY BE VARIED IN ANY LOGICAL MANNER. ONE SET OF "AS-BUILT" PLANS SHALL BE PREPARED BY THE CONTRACTOR AND DELIVERED TO THE OWNER NOT LATER THAN TWO DAYS BEFORE FINAL INSPECTION. ANY DEVICE MAY BE RELOCATED WITHIN 10' BEFORE INSTALLATION AT THE DIRECTION OF THE ARCHITECT WITHOUT ADDITIONAL COST TO THE OWNER.
- SUBMIT SHOP DRAWINGS OF LUMINAIRES AND APPARATUS.
- ALL WIRING SHALL BE CONCEALED IN WALLS, CEILINGS, FLOORS, AND FURRED SPACES UNLESS OTHERWISE NOTED. CONDUCTORS SHALL BE COPPER. CONDUCTORS #10 AWG AND SMALLER SHALL BE TYPE "THWN" AND CONDUCTORS LARGER THAN #10 SHALL BE TYPE "THW" UNLESS OTHERWISE NOTED. CONDUCTORS INSTALLED IN DAMP LOCATIONS SHALL BE TYPE "THW". WIRING SHALL BE IN METAL RACEWAY. TYPES NM AND AC NOT ACCEPTABLE.
- ALL WIRING AND OVERCURRENT DEVICES FOR EQUIPMENT FURNISHED BY OTHER TRADES ARE SIZED FOR CONTEMPLATED EQUIPMENT SIZE. IF EQUIPMENT OTHER THAN CONTEMPLATED AND INDICATED ON THE PLAN IS PROVIDED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE REQUIRED WIRING AND OVERCURRENT DEVICES. THE CONTRACTOR SHALL SUBMIT THE PROPOSED CHANGES TO THE ENGINEER FOR APPROVAL.
- PROVIDE UPDATED PRINTED CIRCUIT DIRECTORIES FOR ALL RECONFIGURED EXISTING PANELBOARDS. COMPLY WITH THE REQUIREMENTS OF NEC 408.4(A).
- WIRING DEVICES SHALL BE SPECIFICATION-GRADE, GROUNDING-TYPE, IVORY PLASTIC WITH OUTLET BOX AND STAINLESS STEEL DEVICE PLATES. RECEPTACLES TO HAVE NEMA CONFIGURATIONS TO MATCH PLUG ON EQUIPMENT SUPPLIED.
- THE ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES TO AVOID CONFLICTS WITH MECHANICAL, STRUCTURAL AND ARCHITECTURAL ELEMENTS OF THIS PROJECT.
- ACCESSORY ITEMS OF ELECTRICAL EQUIPMENT NOT NOTED IN THE PLANS AND SPECIFICATIONS, BUT NECESSARY FOR A COMPLETE INSTALLATION, SHALL BE PROVIDED AS PART OF THE ELECTRICAL WORK. THE DRAWINGS NOTE VARIOUS SIZES OF EQUIPMENT AS DETERMINED FOR BASIS OF DESIGN; HOWEVER, THE ELECTRICAL WORK SHALL BE INSTALLED TO COMPLY WITH THE EQUIPMENT SIZES FURNISHED BY THE SUCCESSFUL SUPPLIER.
- THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING HIS BID TO DETERMINE THE SITE CONDITIONS, AND NATURE AND EXTENT OF WORK REQUIRED. MAINTAIN EXISTING CIRCUITING TO LIGHTS, OUTLETS AND EQUIPMENT OUTSIDE OF PROJECT AREA AND NOT OTHERWISE SHOWN.

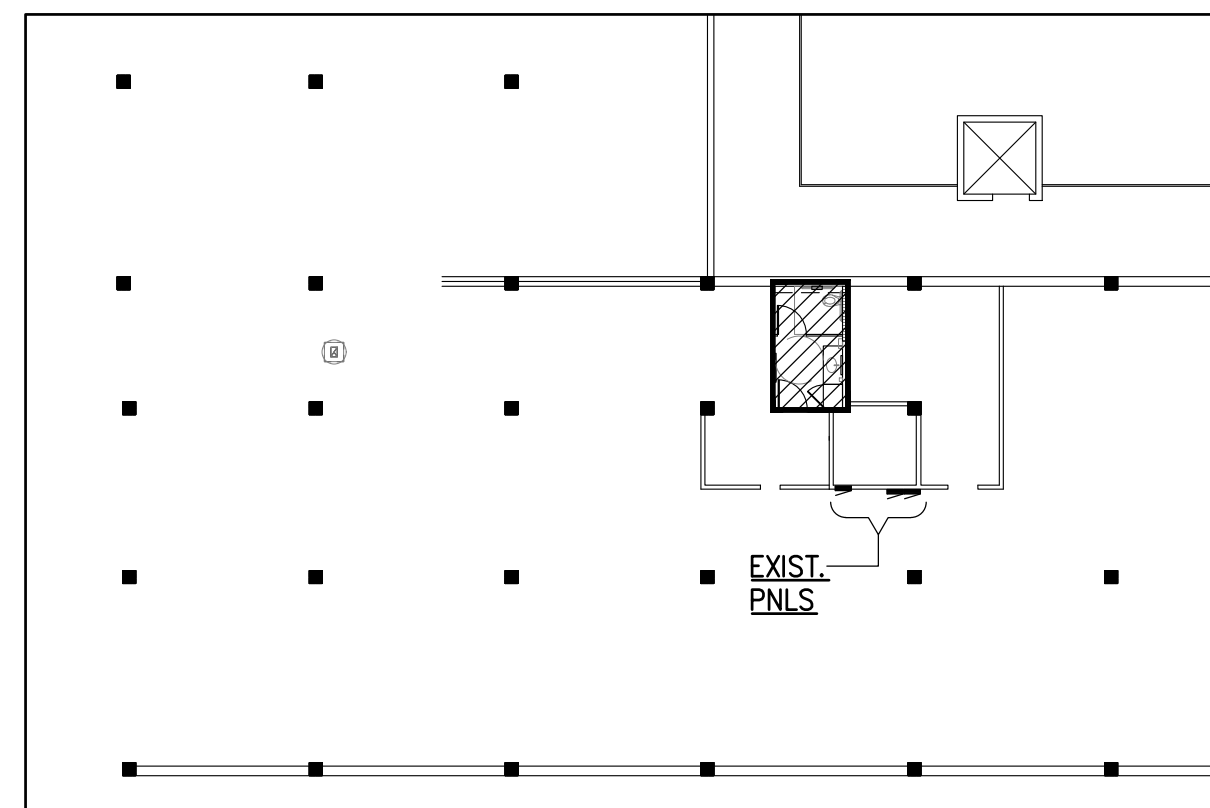
LUMINAIRE SCHEDULE		
TYPE	DESCRIPTIONS	LAMP
①	LED SURFACE CLG-MTD 2'x4', #12 PATTERN ACRYLIC PRISMATIC DIFFUSER, MULTIVOLT DRIVER COLUMBIA #LJT24-35LWSM-FSA12-EU OR APPROVED EQUAL	4000 LUMEN (30W) LED, 3500K
②	LED SURFACE CLG-MTD STRIP LIGHT, 4'L, ACRYLIC DIFFUSER, MULTIVOLT DRIVER COLUMBIA #CSL4-LSCS OR APPROVED EQUAL	4000 LUMEN (30W) LED, 3500K
	LED EMERGENCY WALL PACK, SURFACE-MOUNTED WHITE THERMOPLASTIC HOUSING, DUAL ADJUSTABLE-AIM HEADS, 120/277V INPUT, 90-MINUTE MAINTENANCE-FREE EM BATTERY PACK WITH SELF-DIAGNOSTICS DUAL-LITE #EV4-1-02L OR APPROVED EQUAL	2-140 LUMEN (2W) LEDS

ELECTRICAL LEGEND AND NOTES

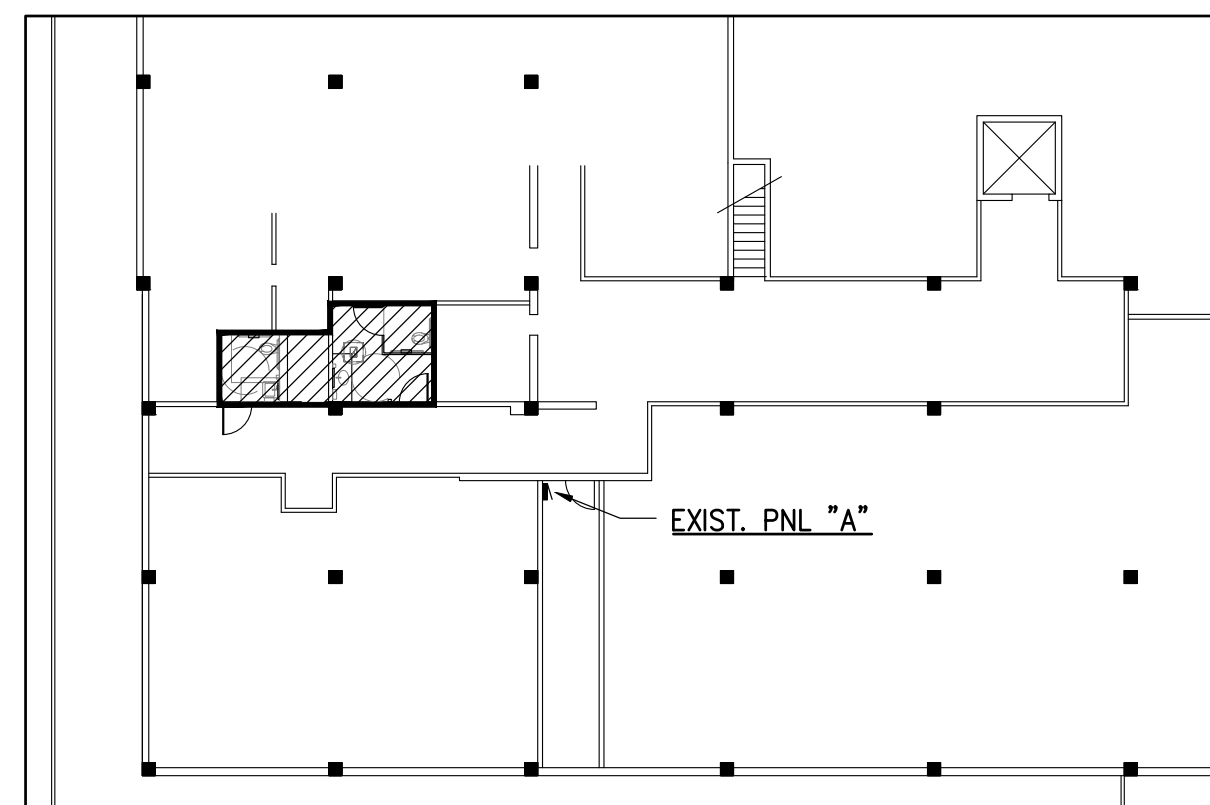
NUMERALS IN CIRCLES FOR LUMINAIRE SYMBOLS CORRESPOND TO LUMINAIRE SCHEDULE

- CEILING MOUNTED OUTLET WITH LINEAR LUMINAIRE
- CEILING MOUNTED OUTLET WITH LUMINAIRE
- CEILING MOUNTED OUTLET WITH LINEAR STRIP LUMINAIRE
- CEILING MOUNTED OUTLET WITH LUMINAIRE
- WALL MOUNTED OUTLET WITH LUMINAIRE
- EMERGENCY LIGHTING WALL PACK
- SINGLE POLE SWITCH AT +4'-0" UNLESS NOTED
- TWO POLE SWITCH
- GROUND FAULT INTERRUPTER DUPLEX RECEPTACLE
- FIRE ALARM AUDIO/VISUAL DEVICE AT +6'-8" TO BOTTOM OF APPLIANCE
- FIRE ALARM VISUAL FLASHER AT +6'-8" TO BOTTOM OF APPLIANCE
- ELECTRICAL PANEL
- E DENOTES EXISTING TO REMAIN
- R DENOTES EXISTING TO BE REMOVED
- ER DENOTES EXISTING TO BE RELOCATED
- RD DENOTES RELOCATED EQUIPMENT
- WP DENOTES WEATHERPROOF
- GFI DENOTES GROUND FAULT INTERRUPTER
- +4° DENOTES 4'-0" ABOVE FINISHED FLOOR
- +15" DENOTES 15 INCHES ABOVE FINISHED FLOOR
- FA FIRE ALARM CONDUIT, 1/2" UNLESS NOTED
- CONDUIT WITH WIRING CONCEALED IN CEILING OR WALL
- CONDUIT WITH WIRING CONCEALED IN FLOOR OR WALL
- EXPOSED CONDUIT OR OVERHEAD SERVICE

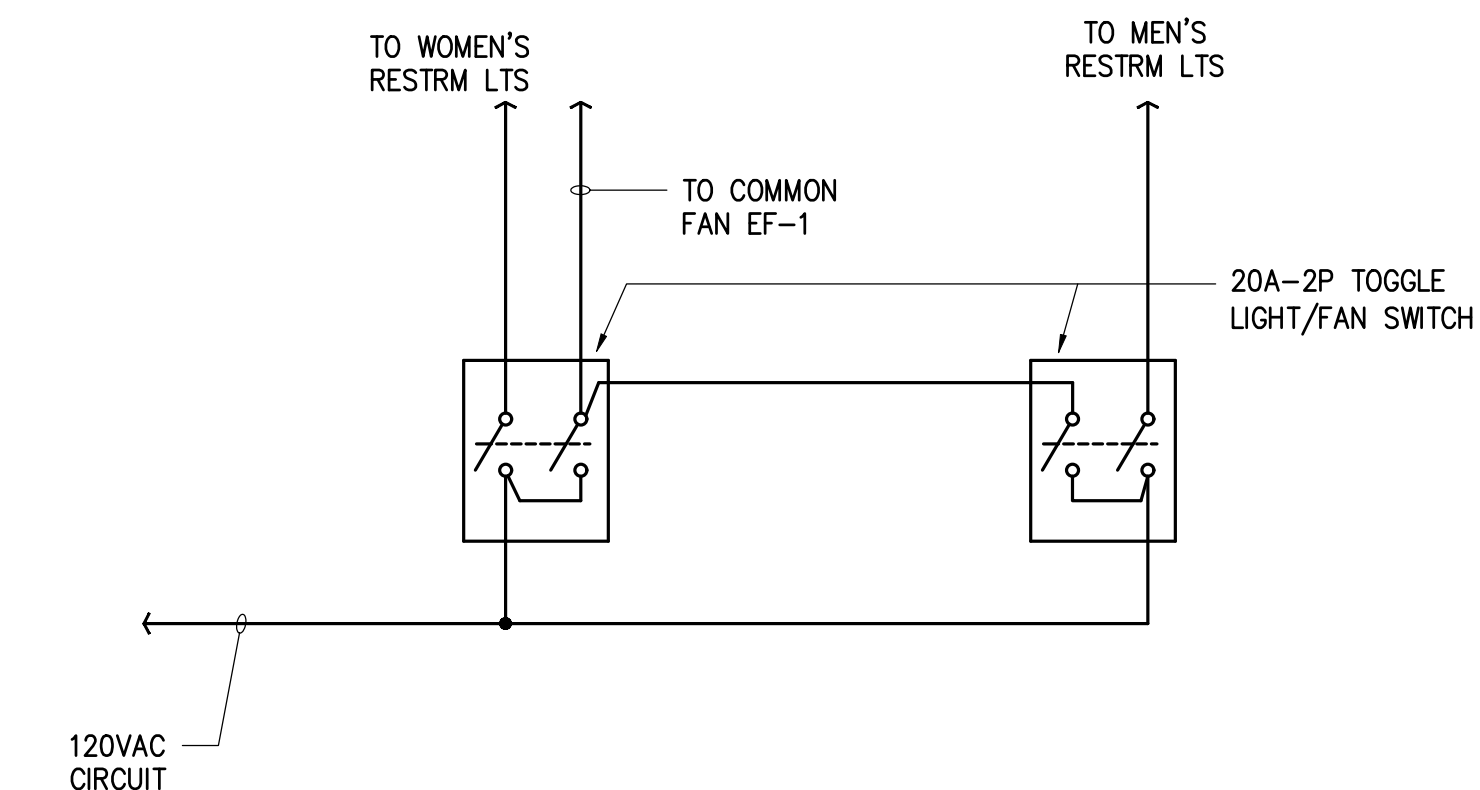
- LOWER CASE LETTERS (a,b,c) ARE USED ON GANGED SWITCHES TO INDICATE OUTLETS CONTROLLED. NUMERALS USED AS SUBSCRIPTS TO OUTLETS INDICATE CIRCUIT TO WHICH EACH IS CONNECTED.
- ANY CIRCUIT WITHOUT FURTHER DESIGNATION INDICATES A TWO WIRE CIRCUIT. FOR A GREATER NUMBER OF WIRES THE INDICATION IS BY "HASHMARKS" AS FOLLOWS: 3 WIRES, 4 WIRES, ETC. DENOTES GROUND CONDUCTOR.



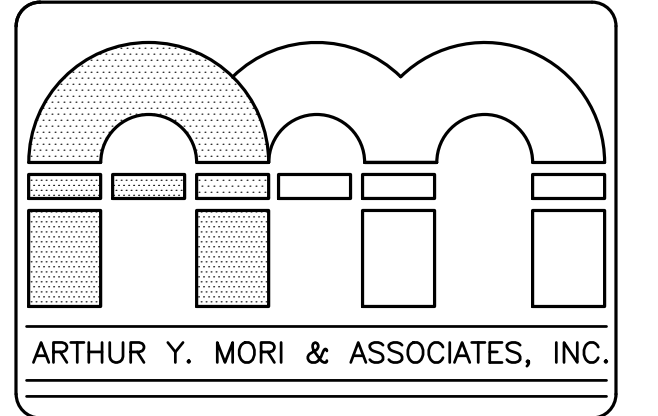
PROJECT LOCATION - GRD FLR
NOT TO SCALE



PROJECT LOCATION - 2ND FLR
NOT TO SCALE



NEW EF-1 WIRING DIAGRAM



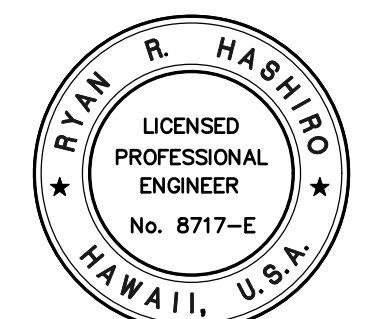
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LEAHI BATHROOM RENOVATION

Leahi Hospital
3675 Kilauea Avenue
Honolulu, HI 96816

SHEET TITLE ELECTRICAL LEGEND & NOTES, LUMINAIRE SCHEDULE

BENNETT ENGINEERS INC.



LICENSE EXPIRES: 4/30/24

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Ryan R. Hashiro
SIGNATURE

NOTE:
Contractor to check and verify all dimensions at job before proceeding with work.

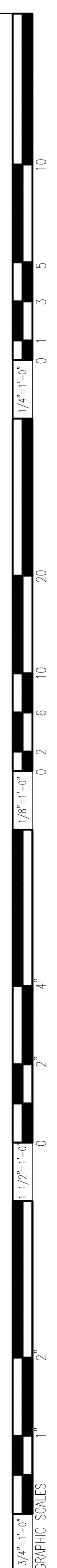
NO. REVISION

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JOB NO.

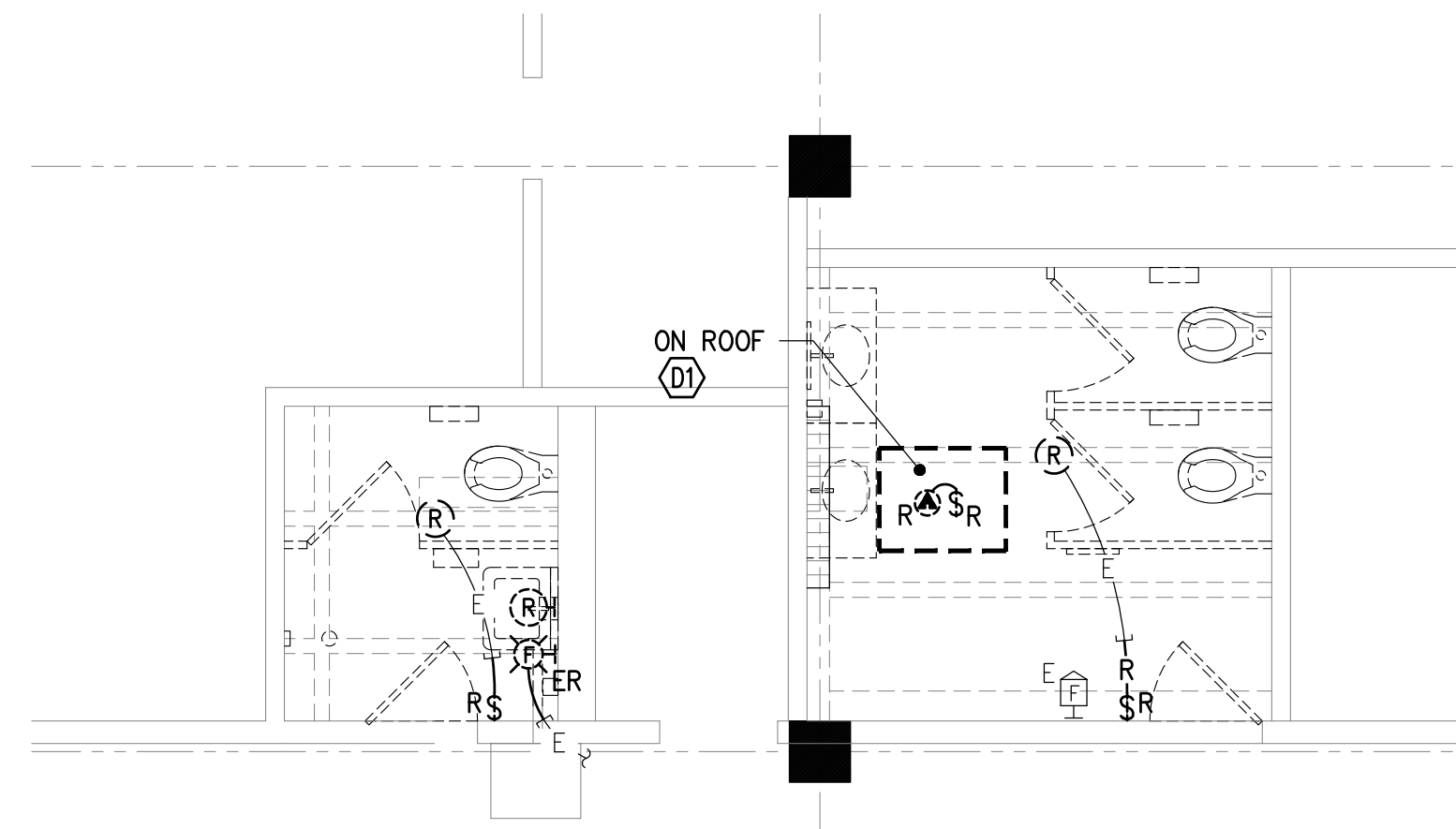
SHEET E000 DATE SEPT 13, 2023

18 OF 19 SHTS

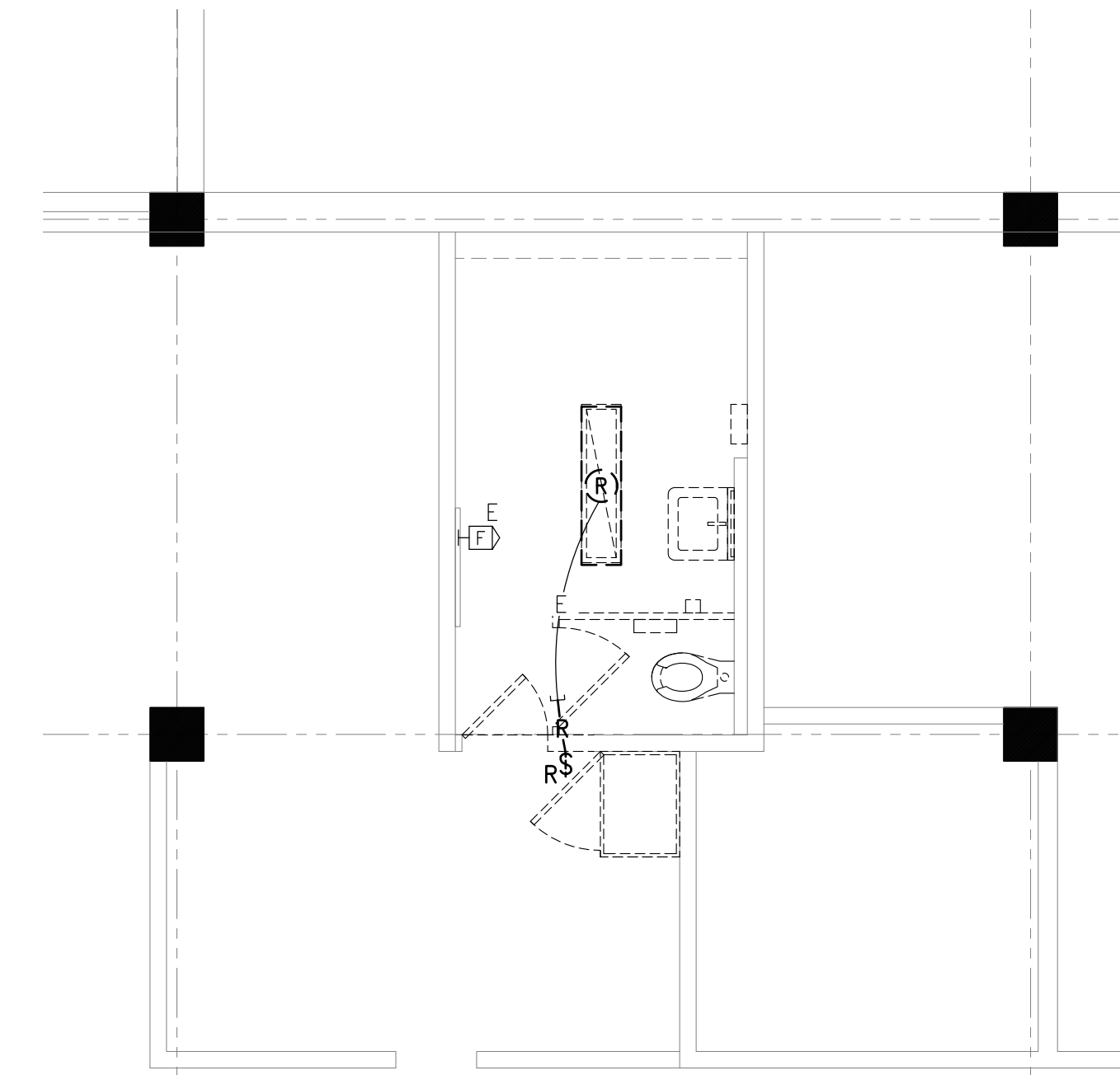


ELECTRICAL DEMOLITION NOTES:

- (D1) REMOVE EXISTING ROOFTOP EF CONNECTION & DISC SW.



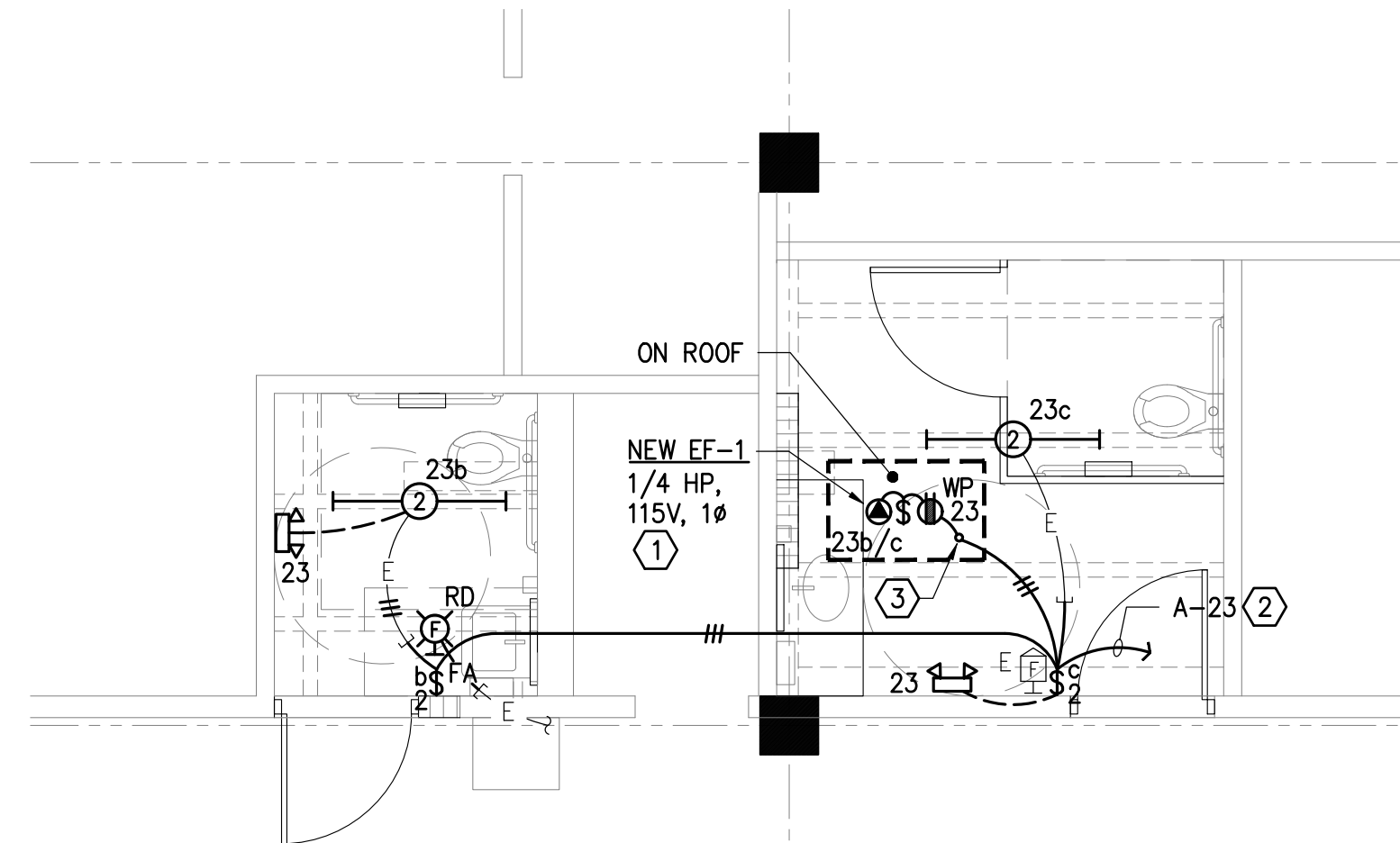
ELECTRICAL DEMOLITION PLAN - 2ND FLR
SCALE: 1/4" = 1'-0"



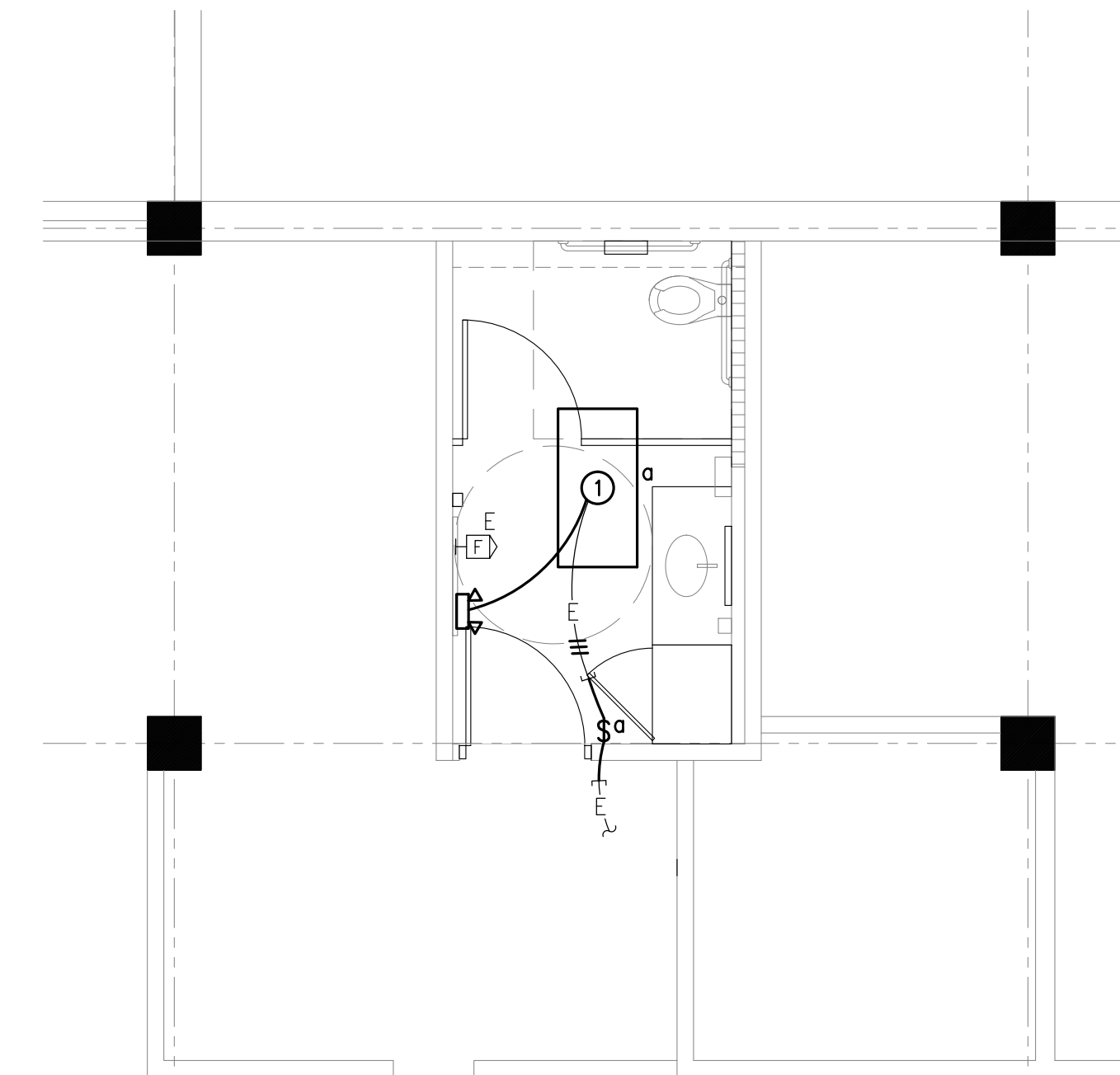
ELECTRICAL DEMOLITION PLAN - GRD FLR
SCALE: 1/4" = 1'-0"

ELECTRICAL PLAN NOTES:

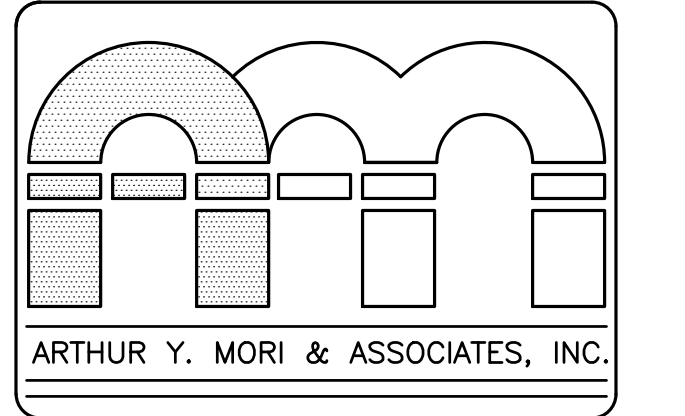
- (1) PROVIDE NEW 20A-1P N.F. TOGGLE DISC SW, WP, AT EQUIPMENT LOCATION.
- (2) PROVIDE NEW 20A-1P BKR IN EXISTING PNL PFB SPACE.
- (3) PROVIDE ALUMINUM FLASHING AND EDPM BOOT WITH WP SEALS AROUND ALL NEW ROOFTOP CONDUIT PENETRATIONS.



ELECTRICAL PLAN - 2ND FLR
SCALE: 1/4" = 1'-0"



ELECTRICAL PLAN - GRD FLR
SCALE: 1/4" = 1'-0"



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Honolulu, HI 96816

SHEET TITLE: ELECTRICAL PLANS - GRD & 2ND FLRS

BENNETT ENGINEERS INC.



LICENSE EXPIRES: 4/30/24

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Ryan R. Hashiro
SIGNATURE

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NO.	REVISION

JOB NO. _____

SHEET **E001** DATE **SEPT 13, 2023**
19 OF 19 SHTS

