

WHITE RIVER TOWNSHIP FIRE STATION #52 REMODEL

398 MERIDIAN PARKE LANE
GREENWOOD, INDIANA

Addendum No. 01

CONSTRUCTION MANAGER



Envoy, Inc.

116th Street, Suite 250
Indianapolis, Indiana 46038
Phone: 317.594.4600
Fax: 317.594.4601

ARCHITECT / ENGINEER



Forge Architecture

5325 E. 82nd St. Suite 242
Indianapolis, Indiana 46250
Phone: 502.432.9951

February 16, 2024

Project: White River Township Fire Station #52 Remodel

Date: February 16, 2024

By: Envoy, Inc.

ADDENDUM

Number: 01

This addendum is based in accordance with the provisions of "The General Conditions of the Contract for Construction," Article 1, "Contract Documents" and becomes a part of the Contract Documents as provided therein. Bids will be received at the White River Township Fire Station #52 located at 398 Meridian Parke Lane, Greenwood, IN 46142 at **2:00 p.m.** (local time) on **Tuesday, February 27, 2024.**

Included with this Addendum are the following Notes and Clarifications:

- 1. Re-issued Supplemental Bid Form to add Alternate #3**
- 2. Revise Section 012300 Alternates to add "Alternate No. 03- Paint the existing Lay-in Ceiling Grid in place. Base bid is to replace all the Ceiling Tiles and Grid remains as is.**
- 3. Sheet A201 issued with Addendum #1: Delete portion of Note 1 of the Demolition RCP Notes which states "Provide Alternate to replace Grid. Existing grid is to remain.**
- 4. Plan sheets A201, A202, A501, MP001, MP002, and MDP101 have been Re-issued with numerous clarifications to Plans, Notes, and Details all of which have been clouded.**
- 5. Plan Sheet A502 adding details is issued for first time.**
- 6. Most Notable Revisions to the plans are the inclusion of Plumbing Fixture locations and Basis-of-Design Product Schedules for the Fixtures to be replace in Rooms 107, 119, and 209. Fixtures in Rooms 105 and 106 are to remain as-is.**
- 7. Limits of Epoxy Flooring plus the Cove Base are shown on the revised plans.**
- 8. Please Note #5 on A202 which requires the existing drywall ceiling to be cut and patched as necessary to install new Equipment/Fixtures and revised wall locations: butd NOT to be removed per the original Demolition RCP Note 3 on Plan A201 stating to "Remove Drywall and any Suspended Framing"**
- 9. Project Manual changes included herein are to Delete unused Specification Sections from the Table of Contents plus to Re-Issue Section 123600 Countertops to reflect the use of Solid Surface Countertops in lieu of the originally specified Plastic Laminate.**
- 10. Room Finish Schedule has been added.**

- 11. This Addendum includes the agenda and a list of attendees from the Pre-Bid Job Walk held on Wednesday, February 14, 2024, at 2:00 p.m. EST.**
- 12. Bids are due at time and date listed above.**
- 13. Scope Questions and RFI can still be submitted until Friday, February 23, 2024. Final Addendum will be issued after that if necessary.**

**SECTION 004200
SUPPLEMENTAL BID FORM**

Instructions To Bidders:

This form shall be utilized by all Bidders. Except as otherwise specifically provided, all Parts shall be fully and accurately filled in and completed and notarized.

Project: **WHITE RIVER TOWNSHIP FIRE STATION 52
398 Meridian Parke Lane, Greenwood, Indiana 46142**

Proposal For Construction of : **Lump Sum Unified Bid**

Date: _____

To: **White River Township Fire Protection District**

- A. The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into the Agreement with Owner substantially and materially in the form included in the Contract Documents to perform and furnish all Work as specified or indicated in the Contract Documents for the Bid Price and within the Contract Time indicated in the Agreement and in accordance with the other terms and conditions of the Contract Documents.
- B. Bidder accepts all of the terms and conditions of the Advertisement / Notice to Bidders and Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for sixty (60) days after the day of Bid opening. Bidder will sign and submit the Agreement with the required Performance and Payment Bonds and other documents required by the Bidding Requirements within six (6) days after the date of Owner's Notice of Award and receipt of the Agreement but not later than ten (10) days after acceptance of the Bid, except as agreed to by Owner.
- C. Bidder has visited the site and become familiar with and is satisfied as to the general, local and site conditions that may affect cost, progress, performance and furnishing of the Work.
- D. Bidder is familiar with and is satisfied as to all federal, state and local Laws and Regulations that may affect cost, progress, performance, or furnishing of the Work.
- E. Bidder is aware of the general nature of the Work to be performed by Owner and others at the site that relates to Work for which this Bid is submitted as indicated in the Contract Documents.
- F. Bidder has correlated the information known to Bidder, information and observations obtained from visits to the site, reports and drawings identified in the Contract Documents and all additional examinations, investigations, explorations, tests, studies and data with the Contract Documents.
- G. Bidder has given Architect/Engineer written notice of all conflicts, errors, ambiguities or discrepancies that Bidder has discovered in the Contract Documents and the written resolution thereof by Architect/Engineer is acceptable to Bidder, and the Contract Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performing and furnishing the Work for which this Bid is submitted.
- H. This Bid is genuine and not made in the interest of or on behalf of any undisclosed person, firm, or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization, or corporation; Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid; Bidder has not solicited or induced any person, firm, or corporation to refrain from bidding; and Bidder has not sought by collusion to obtain for itself any advantage over any other Bidder or over Owner.

I. Bidder agrees that if this Project includes the installation of plumbing, only a person who is a licensed plumbing contractor under Indiana Code 25-28.5-1-1 *et seq.* shall perform such installation. Bidder acknowledges that a public works contract awarded to a person who does not meet the foregoing requirement is void.

J. Bidder agrees that in accordance with Indiana Code § 36-1-12-20, in the event this Project requires creation of a trench of at least five (5) feet in depth, OSHA Regulation 29 CFR 1926, Subpart P, for Trench Safety Systems, is hereby incorporated by reference into the Contract Documents. The cost of such Trench Safety Systems shall be identified as a separate pay item, or in the pay item of the principal Work for which the Trench Safety System is associated. All such costs are included in the Contract Sum.

K. Bidder understands that Additional Declarations are included as Part 2.f. of Bidder's Itemized Proposal and Declarations to which Bidder is bound.

Part 1

REQUEST FOR CLARIFICATION/ APPROVED EQUAL

White River Township Fire Protection District, Indiana

RFC # _____

Date: _____

Project Title: _____

Project Owner: _____

Engineer: _____

Contractor: _____

Phone #: _____

Fax #: _____

Ref. Drawing Nos.: _____

Spec. Sect. _____

Clarification Request:

Approved Equal Request:

Response needed by: _____

Note: All responses will be made in writing and distributed to all Bidders.

PART 2(a)
BIDDER INFORMATION
(Print)

1 . 1	Bidder Name:			
1 . 2	Bidder Address:	Street Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Fax: _____		
1 . 3	Bidder is a/an <i>[mark one]</i>			
	<input type="checkbox"/> Individual	<input type="checkbox"/> Partnership	<input type="checkbox"/> Indiana Corporation	
	<input type="checkbox"/> Foreign (Out of State) Corporation; State: _____			
	<input type="checkbox"/> Joint Venture	<input type="checkbox"/> Other _____		
1 . 4	<i>[The following must be answered if the Bidder or any of its partners or joint venture parties is a foreign corporation. Note: To do business in or with the Owner, foreign entities must register with the Secretary of the State of Indiana as required by the Indiana General Corporation Act as stated therein and expressed in the Attorney General's Opinion #2, dated January 23, 1958.]</i>			
	. 1	Corporation Name: _____		
	. 2	Address: _____		
	. 3	Date registered with State of Indiana: _____		
	. 4	Indiana Registered Agent:		
		Name: _____		
		Address: _____		

PART 2(b) BID PROPOSAL

SUPPLEMENTAL BID PROPOSAL FORM

(To be attached to Indiana State Board of Accounts Form 96)

Bidder Name: _____

Address: _____

Email Address: _____

Telephone: () _____

Project: **WHITE RIVER TOWNSHIP FIRE STATION 52**

I have received and carefully reviewed the Contract Documents prepared by:

Forge Architecture, LLC
5325 E 82nd Street, Suite 242
Indianapolis, IN 46250
Phone: 502.432.9951

Envoy, Inc.
8890 E 116th Street, Suite 250
Fishers, IN 46038
Phone: 317.594-4600

I have also received Addenda No's _____ and have included their provisions in my Proposal. I have examined the Documents, Drawings, and the site, and submit the following Proposal **IN DUPLICATE**.

In submitting this Proposal, I agree to the following:

1. To hold my bid open for sixty (60) days after receipt of bids.
2. To hold my bid for Alternates for ninety (90) days after award of the Contract.
3. To accept the provisions in the Instructions to Bidders, regarding Bid Security.
4. To enter into and execute a Contract, if awarded on the basis of this Proposal, and to furnish Performance Bond and Labor and Material Payment Bonds in accordance with Article 7 of the Instructions to Bidders.
5. To accomplish the Work in accordance with the Contract Documents.
6. To submit Certificates of Insurance for the coverage specified.
7. To accept the Construction Manager's Construction Sequence of the Work as described on the Construction Schedule included in the contract drawings.
8. It is recognized that this proposal is bid to Hancock County and that the total amount or a portion thereof resulting from Base Bid and Alternative bids accepted will be assigned to White River Township Fire Protection District.

BASE BID AND ALTERNATIVES: I agree to execute the Work for the lump sum amount(s) given therein. For alternative prices requested, indicate whether price is an add to or deduct from Base Bid.

BASE BID:

LUMP SUM _____ \$ _____

ALTERNATES

If awarded a Contract for the Work, the undersigned also proposes to furnish or to omit labor and material necessary to complete work as required by the following "Alternate Bids". Should the Bidder awarded the work fail to fill in an Alternate Price and later it is determined that the contracted work is affected by the Alternate; the Contractor will be required to perform the work for no change in Contract Price.

ALTERNATE NO. 01: Replace Existing Windows as noted on Plans

ADD _____ LUMP SUM \$ _____

ALTERNATE NO. 02: Replace Concrete Apron as noted on the Plans

ADD _____ LUMP SUM \$ _____

ALTERNATE NO. 03: Paint the Existing Lay-In Ceiling Grid in place without taking it down.

ADD _____ LUMP SUM \$ _____

ALTERNATE NO. 04:

ADD/DEDUCT _____ LUMP SUM \$ _____

I have also attached the following required submissions:

Indiana State Board of Accounts Form 96 (Revised 2013)
Financial Statement
Bid Security

THIS BID SHALL BE FURNISHED IN DUPLICATE, ENCLOSED IN THE SEALED BID ENVELOPE.

PART 2(c)
CONTRACT DOCUMENTS AND ADDENDA

- 4.1 The Bidder agrees to be bound by the terms and provisions of all Contract Documents as defined in the General Conditions and incorporates such Contract Documents herein by reference.
- 4.2 The Bidder acknowledges receipt of the following addenda:

<u>ADDENDUM NUMBER</u>	<u>DATE</u>
------------------------	-------------

PART 2(d) EXCEPTIONS

Instructions To Bidders:

- 5.1 *The Bidder shall fully state each exception taken to the Specifications or other Contract Documents in Section 5.3 of this Part.*
- 5.2 *Bidder is cautioned that any exception taken by Bidder and deemed by OWNER to be a material qualification or variance from the terms of the Contract Documents may result in this Bid being rejected as non-responsive.*
- 5.3 *Exceptions:*

PART 2(e)
FINANCIAL STATEMENT

- 5.1 Attachment of Bidder's Indiana Revised 2013 Financial Form 96 financial statement is mandatory. Any Bid submitted without a financial statement as required by statute shall thereby be rendered nonresponsive. The financial statement provided hereunder to Owner must be specific enough in detail so that Owner can make a proper determination of the Bidder's capability for completing the Work/Project if awarded. Information on Bidder's company and financial statement shall be consistent with the information requested on the State Board of Accounts Form 96 (revised 2013), entitled "Standard Questionnaires and Financial Statement for Bidders".

PART 2(f)
ADDITIONAL DECLARATIONS

- 6.1 Bidder certifies for itself and all its subcontractors, compliance with all existing laws of the United States and the State of Indiana, including Indiana Code § 5-16-6 *et seq.* prohibiting the discrimination against or intimidation of any employee or applicant for employment or subcontract work in the performance of the Work contemplated by the Agreement for this Project with respect to hire, tenure, terms, conditions or privileges of employment or any matter directly or indirectly related to employment or subcontracting because of race, religion, color, sex, disability, national origin, ancestry, age, disabled veteran status or Vietnam era veteran status. The Owner reserves the right to consider a violation of Indiana Code § 5-16-6 *et seq.*, a material breach of the Contract, as provided in Indiana Code § 22-9-1-10 and to pursue the remedies provided in applicable laws including Indiana Code § 5-16-6-1 for a violation thereof and as set forth in the Affidavit of Non-Discrimination in Part 10 of Bidder's Itemized Proposal and Declarations.
- 6.2 The Bidder hereby agrees that the steel products furnished for this Project shall conform to the requirements of Indiana Code § 5-16-8 *et seq.* and as set forth in the Domestic Steel Affidavit as Part 11 of Bidder's Itemized Proposal and Declarations. By executing such Affidavit, Bidder agrees to use such steel or foundry products made in the United States for this Project, if such products are required therefore, unless Owner determines in writing that the cost of such products is deemed to be unreasonable. Bidder understands that Owner may not authorize or make any payment to a person under a contract containing the provision required by Indiana Code § 5-16-8-2 and contained in the Domestic Steel Affidavit unless the Owner is satisfied that such person has fully complied with such provision.
- 6.3 The Bidder certifies that he/she has thoroughly examined the site of the Project/Work and informed himself/herself fully regarding all conditions under which he/she will be obligated to operate and that in any way affect the Work, and knows, understands and accepts the existing conditions. The Bidder further certifies that he/she has thoroughly reviewed the Contract Documents, including all Addenda, and has had the opportunity to ask questions and obtain interpretations or clarifications concerning Contract Documents.
- 6.4 The individual person(s) executing this Bid Proposal, being first duly sworn, depose(s) and state(s) that the Bidder has not directly or indirectly entered into a combination, collusion, undertaking or agreement with any other Bidder or person (i) relative to the price(s) proposed herein or to be bid by another person, or (ii) to prevent any person from bidding, or (iii) to induce a person to refrain from Bidding; and furthermore, this Bid Proposal is made and submitted without reference to any other bids and without agreement, understanding or combination, either directly or indirectly, with any persons with reference to such bidding in any way or manner whatsoever.
- 6.5 Bidder hereby acknowledges that Indiana Code § 5-22-16.5-8 provides that a person or company is considered to be engaging in investment activities with Iran if it: 1) provides goods or services of Twenty Million Dollars (\$20,000,000.00) or more in value in the energy sector of Iran, including providing oil or liquified natural gas tankers or products used to construct or maintain pipelines used to transport oil or liquified natural gas; or 2) it is a financial institution that extends or has extended Twenty Million Dollars (\$20,000,000.00) or more in credit to another party, for forty-five (45) days or more, if that other party will use the credit to provide goods or

services in the energy sector in Iran and is, at the time credit is extended, identified on the list developed by the State of Indiana of parties it has determined to be engaged in investment activities in Iran. Bidder understands that pursuant to Indiana Code §5-22-16.5-11, a company that is placed on the State's list referenced above, is considered nonresponsible for purposes of submitting a bid relating to a public works project with a political subdivision and that a company's nonresponsible status ends when its name is removed from the list. Accordingly, Bidder has agreed to execute the Certification Regarding Investment Activities in Iran as Part 9 of Bidder's Itemized Proposal and Declarations and that the consequences for providing a false certification are set forth in Indiana Code §5-22-16.5-14.

6.6 Bidder hereby acknowledges that Indiana Code § 5-22-3-7 requires Contractor and any principals of Contractor to certify that except for de minimis and nonsystematic violations, they have not violated the terms of Indiana Code § 24-4.7, Indiana Code § 24-5-12, or Indiana Code § 25-5-14 in the previous three hundred sixty-five (365) days, even if Indiana Code § 24-4.7 is preempted by federal law and will not violate the terms of Indiana Code § 24-4.7 for the duration of the Agreement with Owner, even if Indiana Code § 24-4.7 is preempted by federal law.

6.7 Bidder hereby acknowledges that in accordance with Indiana Code § 5-16-13 *et seq.*, all Contractors of any Tier on public works projects in the State of Indiana shall comply with the following provisions:

7.7.1 At least fifteen percent (15%) of a Prime Contractor's or General Contractor's awarded contract, as determined at the time the contract is awarded, must be accomplished by:

- 7.7.1.1: work performed by the Prime or General Contractor's employees;
- 7.7.1.2: material supplied directly by the Prime or General Contractor;
- 7.7.1.3: services supplied directly by the Prime or General Contractor's employees; or
- 7.7.1.4: any combination of the above.

7.7.2: In addition to compliance with other requirements of Indiana Code § 22-5-1 *et seq.*, Contractor and Subcontractors shall submit to Architect/Engineer, the E-Verify Case Verification Number for each individual who is required to be verified under Indiana Code §. 22-5-1.7 prior to that individual beginning work on the public works project. An individual who is required to be verified under Indiana Code § 22-5-1.7 whose final case result is "final non-confirmation" may not be employed on the public works project.

7.7.3: Contractor and Subcontractors may not pay cash to any individual employed by the Contractor for work done by the individual on the public works project.

7.7.4: Contractor and Subcontractors must maintain general liability insurance with limits of no less than \$1,000,000 for each occurrence and \$2,000,000 in the general aggregate provided however, that higher requirements set forth in the General Conditions shall be the minimums required of the Contractor and subcontractors.

7.7.5: Where the total amount of the contract awarded to Contractor for work on the Project is \$300,000 or more, Contractor must be qualified under either Indiana Code § 4-13.6-4 or Indiana Code § 8-23-10 before doing any work on the Project.

7.7.6: Contractor and Subcontractors must be in compliance with the federal Fair Labor Standards Act of 1938, as amended (29 U.S.C. 201-209) and Indiana Code §. 22-2-2-1 through Indiana Code § 22-2-2-8 (Minimum Wage requirements).

7.7.7: Contractor and Subcontractors must be in compliance with Indiana Code § 22-3-5-1 and Indiana Code § 22-3-7-34 (Workers Compensation Insurance requirements).

7.7.8: Contractor and Subcontractors must be in compliance with Indiana Code § 22-4-1 through Indiana Code § 22-4-39.5 (Unemployment Compensation requirements).

7.7.9: For contracts that equal or exceed One Hundred Fifty Thousand and no/100's Dollars (\$150,000), Contractors of any Tier must be in compliance with Indiana Code § 4-13-18-1 through Indiana Code § 4-13-18-7 (Drug Testing of Employees on Public Works Contracts). This requires submission of a copy of the Employee Drug Testing Program and the executed Certification with the Bid Proposal.

7.7.10: Contractors that employ ten (10) or more employees must provide access to a training program applicable to the tasks to be performed in the normal course of the employee's employment with the Contractor through:

7.7.10.1: an apprenticeship program;

7.7.10.2: a program offered by Ivy Tech Community College or Vincennes University;

7.7.10.3: a program established by or for the Contractor;

7.7.10.4: a program offered by an entity sponsored by the United States Department of Labor, Bureau of Apprenticeship and Training;

7.7.10.5: a program that results in the award of an industry recognized portable certification;

7.7.10.6: a program approved by the United States Department of Transportation; or

7.7.10.7: a program approved by the Indiana Department of Transportation.

7.7.11 Contractors of any Tier that employ fifty (50) or more journeymen shall participate in an apprenticeship or training program that meets the standards established by or has been approved by any of the following:

7.7.11.1: United States Department of Labor;

7.7.11.2: Bureau of Apprenticeship and Training;

7.7.11.3: the Indiana Department of Labor;

7.7.11.4: the United States Department of Transportation Federal Highway Administration; or

7.7.11.5: the Indiana Department of Transportation.

7.7.12: All contractors must preserve payroll and related records for a period of three (3) years after completion of the project work and leave such records open to inspection by the Department of Workforce Development.

7.7.13: A public agency that is the owner of a public works project and suspects a misclassification of one (1) or more workers by any of the contractor may request in writing that the Department of Workforce Development investigate the suspected worker misclassification. For suspected violations of E-Verify, FLSA or state minimum wage laws, the public agency shall report to the Indiana Department of Labor. For suspected violations of worker's compensation

7.7.14: Any contractor failing to comply with the provisions of Indiana Code § 5-16-13 *et seq.* may be determined to be not responsible for future bidding requirements for a period of up to forty-eight (48) months and may be subject to additional requirements and penalties as provided in applicable law.

[Signature by or on behalf of the Bidder in the spaces provided below shall constitute execution of each and every Part of this Itemized Proposal and Declarations Document and a part of the Contract Documents. SIGNATURE MUST BE PROPERLY NOTARIZED.]

Bidders Name:	_____
Written Signature:	_____ [Must be signed by principal of organization.]
Printed Name:	_____
Title:	_____

STATE OF _____)
) SS:
COUNTY OF _____)

My commission expires: _____

Residing in _____ County, State
of _____

Signature _____

Printed: _____

Part 2(g)

AFFIDAVIT OF NON-COLLUSION

The individual person(s) executing this Bid Proposal, being first duly sworn, depose(s) and state(s) that the Bidder has not directly or indirectly entered into a combination, collusion, undertaking or agreement with any other Bidder or person (i) relative to the price(s) proposed herein or to be bid by another person, or (ii) to prevent any person from bidding, or (iii) to induce a person to refrain from Bidding; and furthermore, this Bid Proposal is made and submitted without reference to any other bids and without agreement, understanding or combination, either directly or indirectly, with any persons with reference to such bidding in any way or manner whatsoever.

(Name of Contractor)

Subscribed and sworn to this _____ day of _____, 20____.

Signature

Printed Name

[Must be signed by principal of organization – the same person who signs the Bid Proposal.]

(S E A L)

My Commission Expires: _____, 20__.

Resident of _____ County.

PART 2(h)

CERTIFICATION REGARDING INVESTMENT ACTIVITIES IN IRAN

Pursuant to Indiana Code § 5-22-16.5 *et seq.*, this "Certification Regarding Investment Activities in Iran" is hereby incorporated in and made a part of the Bid Proposal submitted by _____ (Entity) ("Contractor"). The undersigned hereby certifies that:

1. I have personal knowledge of the facts recited herein. I am over the age of eighteen (18) and am mentally competent to make this certification pursuant to Indiana Code § 5-22-16.5-13.
2. As a _____ (Position) at Contractor, I am competent, authorized, and capable to execute this certification on its behalf.
3. I understand pursuant to Indiana Code § 5-22-16.5-8, a person or company is considered to be engaging in investment activities with Iran if it: 1) provides goods or services of Twenty Million Dollars (\$20,000,000.00) or more in value in the energy sector of Iran, including providing oil or liquified natural gas tankers or products used to construct or maintain pipelines used to transport oil or liquified natural gas; or 2) it is a financial institution that extends or has extended Twenty Million Dollars (\$20,000,000.00) or more in credit to another party, for forty-five (45) days or more, if that other party will use the credit to provide goods or services in the energy sector in Iran and is, at the time credit is extended, identified on the list developed by the State of Indiana of parties it has determined to be engaged in investment activities in Iran.
4. I understand that pursuant to Indiana Code § 5-22-16.5-11, a company that is placed on the State's list referenced above, it is considered nonresponsible for, among other things, purposes of submitting a bid, offer, or proposal as in this case, relating to a public works project with a political subdivision and that a company's nonresponsible status ends when its name is removed from the list.
5. Contractor is not engaged in investment activities in Iran and Contractor is not on the State of Indiana's list of those persons or companies that it has determined are engaged in Investment activities in Iran and that consequences for providing a false certification are set forth in Indiana Code § 5-22-16.5-14.

On behalf of Contractor, I hereby acknowledge and certify under penalties of perjury that the foregoing statements herein are true and correct to the best of my knowledge and belief.

(Name of Contractor)

By: _____

Printed Name: _____

Title: _____

[Must be signed by principal of organization.]

Subscribed and sworn to this _____ day of _____, 20__.

(S E A L)

Printed: _____

My Commission Expires: _____ Resident of _____ County.

Part 2(i)

AFFIDAVIT OF NON-DISCRIMINATION

Pursuant to Indiana Code § 5-16-6, this "Affidavit of Non-Discrimination" is hereby incorporated in and made a part of the Bid Proposal submitted by the undersigned (the "Contractor").

During the performance of this Agreement, the Contractor agrees as follows:

1. That in the hiring of employees for the performance of work under the Agreement or any subcontract hereunder, neither the Contractor nor subcontractor, nor any person acting on behalf of the Contractor or subcontractor, shall, by reason of race, religion, color, sex, national origin or ancestry, discriminate against any citizen of the State of Indiana, who is qualified and available to perform the work to which the employment relates;
2. That neither the Contractor, subcontractor, nor any person on his behalf shall in any manner discriminate against or intimidate any employee hired for the performance of work under the Agreement on account of race, religion, color, sex, national origin or ancestry;
3. That there may be deducted from the amount payable to the Contractor by the Owner, under the Agreement, a penalty of five dollars (\$5.00) for each person for each calendar day during which such person was discriminated against or intimidated in violation of the provisions of the Agreement; and
4. That the Agreement may be canceled or terminated by Owner, and all money due or to become due hereunder may be forfeited, for a second or any subsequent violation of the terms or conditions of this section of the Agreement.

(Name of Contractor)

By: _____

Title: _____

[Must be signed by principal of organization.]

Subscribed and sworn to this _____ day of _____, 20__.

(S E A L)

Printed: _____

My Commission Expires: _____

Resident of _____ County.

Part 2(j)

DOMESTIC STEEL AFFIDAVIT

STATE OF INDIANA)

) SS:

COUNTY OF _____)

Project No. _____

I hereby swear, under penalties of perjury, that the steel products furnished for this Project shall conform to the following Indiana Code Definitions and Agreement provisions:

5-16-8-1 Definitions:

“Steel products” means products rolled, formed, shaped, drawn, extruded, forged, cast, fabricated, or otherwise similarly processed, or processed by a combination of two (2) or more of such operations, from steel made in the United States by the open hearth, basic oxygen, electric furnace, Bessemer or other steel making process.

“United States” means the United States of America and includes all territory, continental or insular, subject to the jurisdiction of the United States.

5-16-8-2 Public agency contract provisions; rules for determining reasonable pricing:

“(a) Each public agency shall require that every contract for the construction, reconstruction, alteration, repair, improvement or maintenance of public works contain a provision that, if any steel or foundry products are to be used or supplied in the performance of the contract or subcontract, only steel or foundry products made in the United States shall be used or supplied in the performance of the contract or any of the subcontractors unless the head of the public agency determines, in writing, that the cost of steel or foundry products is deemed to be unreasonable.”

The undersigned acknowledges and understands that the foregoing quoted provision is a requirement in the Agreement and that a public agency may not authorize or make any payments to a person under a contract containing the foregoing provision unless the public agency is satisfied that such person has fully complied with that provision.

(Name)

(Signature)

(Printed)

(Title)

[Must be signed by principal of organization.]

Part 2(k)

E-VERIFY AFFIDAVIT

Pursuant to Indiana Code § 22-5-1.7, this "E-Verify Affidavit" is hereby incorporated in and made a part of the Bid Proposal by the undersigned (the "Contractor").

The undersigned Contractor, certifies under penalties of perjury, and in accordance with Indiana Code 22-5-1.7-11-1 as follows:

1. The Contractor has enrolled in and will verify the work eligibility status of all newly hired employees through the E-Verify program so long as the E-Verify program is in existence.
2. The Contractor (including all subcontractors of any tier) do not and shall not knowingly employ an unauthorized alien.
3. The Contractor shall receive a certification from each subcontractor of any tier on the project that, at the time of certification, the subcontractor does not knowingly employ or contract with an unauthorized alien and has enrolled and is participating in the E-Verify program and shall maintain such certification for the duration of the Contractor's contract with the subcontractor.
4. The Contractor shall submit to the Architect/Engineer or the Project Manager, the E-Verify Case Verification Number for each individual who is required to be verified under Indiana Code § 22-5-1.7 prior to that individual beginning work on the public works project. An individual who is required to be verified under Indiana Code § 22-5-1.7 whose final case result is "final non-confirmation" may not be employed on the public works project.
5. Contractor's requirement in 4 above applies to all contractors of every tier and Contractor shall require all subcontractors to submit the E-Verify Case Verification Number for each individual who is required to be verified under Indiana Code § 22-5-1.7 prior to that individual beginning work on the public works project.

On behalf of Contractor, I hereby acknowledge and certify under the penalties of perjury that the foregoing statements are true and correct to the best of my knowledge and belief.

(Name of Contractor)

Printed Name: _____

By: _____

Title: _____

[Must be signed by principal of organization.]

Subscribed and sworn to me this _____ day of _____, 20__.

(S E A L)

Printed: _____

My Commission Expires: _____

Resident of _____ County.

Source: IC- 22-5-1.7

Part 2(I) (supplement)

CERTIFICATION REGARDING CONTRACTOR'S EMPLOYEE DRUG TESTING PROGRAM

Pursuant to Indiana Code § 36-1-12-24 and Indiana Code 5-16-13 *et seq.*, this "Certification Regarding Contractor's Employee Drug Testing Program" is hereby incorporated in and made a part of the Bid Proposal by the undersigned (the "Contractor").

I, _____ (Name), the _____ (Position) at/of _____ (Entity) ("**Contractor**"), hereby certifies under penalties or perjury, and in accordance with the foregoing statutory provisions, as follows:

1. I have personal knowledge of the facts recited herein. I am over the age of eighteen (18) and am mentally competent to make this certification.
2. As a _____ (Position) at Contractor, I am competent, authorized, and capable to execute this Certification on its behalf. This Certification is made pursuant to Indiana Code § 36-1-12-24 and Indiana Code § 4-13-18 *et seq.*
3. I understand that the Public Works Contract for the Project applicable to this Bid Proposal is estimated to cost at least one hundred fifty thousand dollars (\$150,000.00) and that Contractor has in effect an employee drug testing program that complies with Indiana Code § 36-1-12-24 and Indiana Code § 4-13-18-1 through Indiana Code § 4-13-18-7 and that a copy of the program or a copy of the relevant part of the collective bargaining agreement providing for such program is attached.
4. Contractor understands that the requirements of Indiana Code § 36-1-12-24 and Indiana Code § 4-13-18-1 through Indiana Code § 4-13-18-7 apply to contractors of any tier and that Contractor is responsible to confirm that all subcontractors used on the Project under subcontracts of at least one hundred fifty thousand dollars (\$150,000.00) are in compliance with Indiana Code § 36-1-12-24 and Indiana Code § 4-13-18-1 through Indiana Code § 4-13-18-7.
5. Consequences for providing a false certification are set forth in Indiana Code § 5-22-3-7.

On behalf of Contractor, I hereby acknowledge and certify under penalties of perjury that the foregoing statements herein are true and correct to the best of my knowledge and belief.

(Name of Contractor)

By: _____

Printed Name: _____

Title: _____

[Must be signed by principal of organization.]

Subscribed and sworn to this _____ day of _____, 20__.

(S E A L)

Printed: _____

My Commission Expires: _____ Resident of _____ County.

Part 2(m)

SIGNATURE AFFIDAVIT

STATE OF INDIANA)

) SS:

COUNTY OF _____)

Before me, the undersigned notary public, appeared _____ Name of Bidder) and being
duly sworn, on his oath says that he/she is _____ (Title) of
_____ (Name of Company) on _____ (Date), and affirmed that:

1. This Bid Proposal is submitted in good faith in the amount stated therein and will be fulfilled according to the Contract Documents (as defined in Section 1.13 of the Instructions to Bidders), if the Bid Proposal is accepted;
2. The statements contained in the Non-Collusion Affidavit are true;
3. The statements contained in the Non-Discrimination Affidavit are true;
4. The statements contained in the E-Verify Affidavit are true;
5. The statements contained in the Domestic Steel Affidavit are true;
6. The statements contained in the Certification Regarding Investment Activities in Iran are true;
7. The statements contained in the Certification Regarding Contractor's Employee Drug Testing Program are true;
8. The information contained in Part 2(e) of the Bid Proposal experience questionnaire, the plan and equipment questionnaire, the financial statement, and the affidavit, all of which are commonly referred to as the Form No. 96, when required, is true, correct, and current; and
9. All declarations contained in the Bidder's Proposal and Declarations are true.

(Name of Contractor)

By: _____

Printed Name: _____

Title: _____

[Must be signed by principal of organization.]

STATE OF _____)

) SS:

COUNTY OF _____)

_____ personally appeared before me, a Notary Public, in and for said County and
State, this _____ day of _____, 20____, after being duly sworn upon his oath, says that the
facts alleged in the foregoing affidavit are true.

My Commission Expires:

My County of Residence:

(S E A L)

Notary Public – Signature

Notary Public – Printed Name

FORM OF BID BOND

White River Township Fire Protection District, Indiana

Instructions To Bidders

Bidders may use this form or other form containing the same material conditions and provisions as approved in advance by OWNER/Obligee. An AIA 310 Bid Bond Form is also acceptable.

Bidder/Surety must attach a signed, certified and effective dated copy of the Power of Attorney or Attorney-In-Fact establishing the authority of the person(s) signing this Bid Bond on behalf of the Surety.

Surety company executing this bond shall appear on the most current list of "Surety Companies Acceptable on Federal Bonds," as specified in the U.S. Treasury Department Circular 570, as amended, and be authorized to transact business in the State of Indiana.

KNOW ALL MEN BY THESE PRESENTS, that the undersigned

"Bidder": _____
and

"Surety": [Name] _____
[Address] _____

a corporation chartered and existing under the laws of the State of _____, and authorized to do business in the State of Indiana,

are held and firmly bound unto the White River Township Fire Protection District, Indiana ("Obligee") in the full and just sum equal to ten percent (10%) of the price stated in the Bid Proposal described in Part 2, including accepted alternates, if any, to be paid upon demand of the Obligee, together with interest at the maximum legal rate from date of demand and any attorney fees and court costs incurred by Obligee to enforce this instrument, to which payment well and truly to be made we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally and firmly by these presents. Ten percent (10%) of the price stated in the Bid Proposal is \$_____.

WHEREAS, the Obligee has solicited Bids for certain Work for or in furtherance of construction of public improvements described generally as

***White River Township Fire Protection District Fire Station 52, Greenwood,
Indiana***

pursuant to plans, specifications and other "Contract Documents" included as parts of and designated by such solicitation; and

WHEREAS, the Bidder has submitted to the Obligee a Bid Proposal to perform such Work.

NOW THEREFORE: The conditions of this obligation are such that if the Bid Proposal be accepted, with or without conditions, the Bidder shall within such time thereafter as prescribed by the Contract Documents (i) fulfill all conditions of such award that remain to be fulfilled, (ii) execute a Contract in accordance with the Bid Proposal and in the form and manner required by the Contract Documents, and (iii) thereafter provide all bonds, and other Documentation required by the Contract Documents to be delivered to Obligee prior to commencing Work, including without limitation a sufficient and satisfactory

Performance Bond and Payment Bond payable to Obligee, each in an amount of one hundred percent (100%) of the total Contract price as awarded and in form and with surety satisfactory to said Obligee, then this obligation to be void; otherwise to be and remain in full force and virtue in law, and the Surety shall, upon failure of the Bidder to comply with any or all of the foregoing requirements within the time specified above and as prescribed by the Contract Documents, immediately pay to the Obligee, upon demand, the amount hereof, in good and lawful money of the United States of America, not as a penalty, but as liquidated damages.

IN TESTIMONY THEREOF, the Bidder and Surety have caused this instrument to be duly signed and sealed this_____ day of_____, 20_.

This Bid Bond shall bind the undersigned Surety whether or not also signed by the Bidder.

GENERAL NOTES

- ALL DIMENSIONS ARE FROM FACE OF STUD. OR FACE OF MASONRY. ANY DIMENSIONS NOT SHOWN OR DEEMED QUESTIONABLE ARE TO BE VERIFIED BY ARCHITECT/DESIGNER. DO NOT SCALE DRAWINGS. REFERENCE CIVIL DRAWINGS FOR FINISHED FLOOR BENCHMARK ELEVATIONS.
- PROVIDE WOOD BLOCKING SUPPORTS AS REQUIRED FOR ALL SURFACE MOUNTED ITEMS.
- COORDINATE WORK OF THIS TRADE WITH OTHER TRADES.
- DOOR AND FRAME NUMBERS CORRESPOND TO ROOM NUMBERS. WHERE MORE THAN ONE DOOR OCCURS IN A ROOM, A SUFFIX HAS BEEN ADDED (I.E. 100A). SEE DIVISION 500 DRAWINGS FOR DOOR SCHEDULE. DOORS LABELED WITH LETTERS ONLY ARE USED IN MULTIPLE LOCATIONS ON THE PROJECT.
- APPLY SEALANT AT ALL JUNCTURES BETWEEN DIFFERENT MATERIALS (I.E. STOREFRONT AND MASONRY, WINDOWS AND FIBER CEMENT PANEL, ETC.)
- APPLY SEALANT AT ALL PLUMBING FIXTURES AT JUNCTURE WITH WALL/FLOOR.
- APPLY SEALANT AT ALL COUNTERTOPS AND BACK SPLASHES AT JUNCTURE WITH WALL.
- ALL DOORS, PLUMBING FIXTURES, AND APPLIANCES MUST BE INSTALLED WITH AT LEAST THE MINIMUM MANEUVERING CLEARANCE AT THE DOOR APPROACH PER ACCESSIBILITY CODES LISTED ON THE COVER SHEET.
- SEE SHEETS A202 FOR INTERIOR WALL TYPES.

WALL TYPE NOTES:

- WALL CONSTRUCTION FULL HEIGHT UNLESS OTHERWISE NOTED.
- PROVIDE MOLD AND MOISTURE RESISTANT BOARD ON ALL WET AREA WALLS.
- PROVIDE FIRE RESISTIVE RATED MATERIALS AT ALL RATED ASSEMBLIES TO MEET ASSEMBLY REQUIREMENTS.
- PROVIDE FIRE RESISTIVE JOINT SYSTEMS EQUAL TO WALL RATING AT ALL HEAD AND FLOOR INTERSECTIONS WITH RATED ASSEMBLIES.
- REFER TO SHEETS A202 FOR INTERIOR WALL ASSEMBLIES (PARTITION TYPES).
- PROVIDE IN-WALL FIRE BLOCKING AS REQUIRED TO ACHIEVE RATING.

GENERAL DEMOLITION NOTES

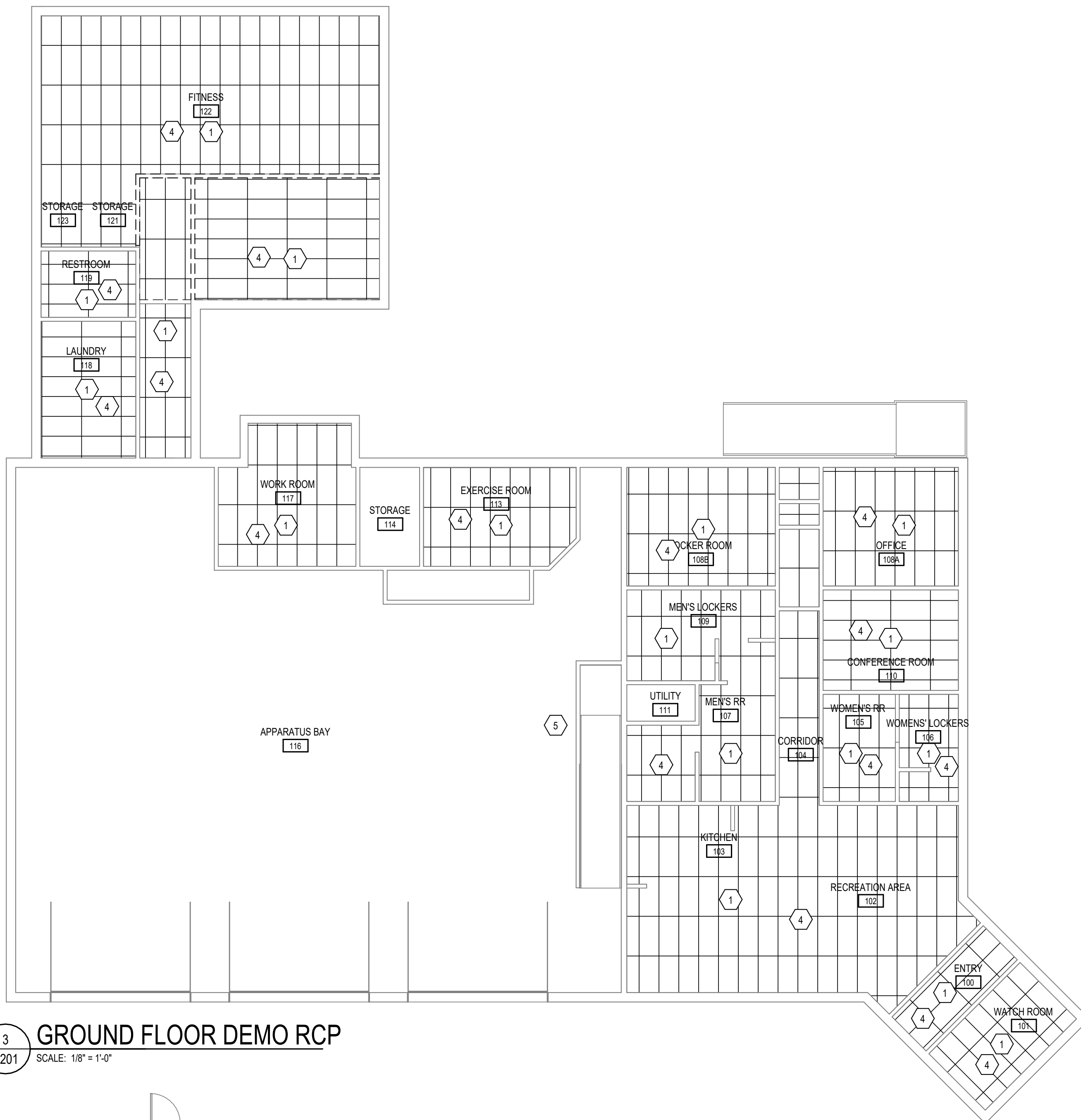
- HEAVY DASHED LINES INDICATE STRUCTURE, WALLS AND ITEMS TO BE DEMOLISHED UNLESS NOTED OTHERWISE.
- SOLID LINES INDICATE STRUCTURE, WALLS, & ITEMS TO REMAIN, UNLESS NOTED OTHERWISE.
- PROTECT ALL FINISHES, EQUIPMENT & OTHER ITEMS TO REMAIN. WHERE DAMAGE OCCURS, PATCH AND REPAIR OR OTHERWISE RESTORE TO ITS ORIGINAL CONDITION OR REPLACE.
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONSTRUCTION AND RELATED CONDITIONS PRIOR TO STARTUP OF DEMOLITION OR NEW CONSTRUCTION.
- COORDINATE EXTENTS AND EXACT DIMENSIONS WITH EXTENTS AND EXACT DIMENSIONS OF NEW WORK.
- ANY AND ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT AND OWNER.
- REMOVE ALL MISCELLANEOUS EQUIPMENT ATTACHED TO WALLS, FLOORS AND CEILINGS TO BE DEMOLISHED. COORDINATE WITH THE OWNER FOR ITEMS TO BE SALVAGED OR RE-INSTALLED.
- REMOVE ANY ITEMS NOT SPECIFICALLY IDENTIFIED TO BE REMOVED WHICH MUST OBVIOUSLY BE DEMOLISHED TO ACCOMMODATE NEW WORK. VERIFY WITH ARCHITECT.
- ALL OPENINGS, VOIDS, OR DAMAGED SURFACES LEFT BY THE REMOVAL OF EXISTING CONSTRUCTION, EQUIPMENT, PIPING, DUCTS, WINDOWS, ETC., SHALL BE PATCHED & REPAIRED TO MATCH SURROUNDING WORK. PREPARE TO RECEIVE NEW FINISHES AS REQUIRED.
- REMOVE ALL MASTIC, ADHESIVES, FASTENERS AND OTHER MATERIALS WHERE FINISHES (SUCH AS FLOORING, BASE) AND EQUIPMENT (SUCH AS CASEWORK, TACKBOARDS, MARKERBOARDS, MECHANICAL ITEMS, ETC.) HAVE BEEN REMOVED AT EXISTING SURFACES TO REMAIN.
- CONSTRUCT DUST AND SOUND CONTROL BARRIERS PRIOR TO THE START OF WORK.
- SEE SPECIFICATIONS FOR ASSIGNMENT OF RESPONSIBILITIES PERTAINING TO PATCHING AND REPAIR WORK REQUIRED OF EACH TRADE.
- DEMOLITION WORK TO BE COMPLETED BY MECHANICAL/PLUMBING, ELECTRICAL TRADES IS SHOWN ON OTHER SHEETS IN THIS SET OF CONTRACT DOCUMENTS. THIS CONTRACTOR SHALL REVIEW THE DEMOLITION WORK OF OTHER TRADES TO DETERMINE WHERE SUCH WORK COULD AFFECT HIS WORK AND SHALL COORDINATE HIS WORK WITH THE WORK OF ALL OTHER TRADES.
- AT NEW OPENINGS IN EXISTING BRICK MASONRY WALLS, TOOTH IN BRICK TO MATCH EXISTING.
- AT NEW OPENINGS IN EXISTING CONCRETE MASONRY WALLS, TOOTH IN NEW CMU TO MATCH EXISTING.
- WHERE EXISTING SURFACE MOUNTED VISUAL DISPLAY BOARDS, MARKER, CHALK, TACK BOARDS, ARE BEING REMOVED FROM WALLS, WALL SURFACE BEHIND BOARD IS TO BE PREPARED TO MATCH TEXTURE OF SURROUNDING SURFACES. PROVIDE BLOCK FILLER AS REQUIRED AND PATCH MOUNTING HOLES COMPLETE. REMOVE PAINT BUILD UP AT BOARD EDGES.
- CONTRACTOR IS RESPONSIBLE FOR PREP WORK REQUIRED FOR FLOOR SLAB TO RECEIVE NEW FINISHES. PREP WORK TO INCLUDE: PATCH FLOOR SLAB AT AREAS THAT WILL BE CUT TO ACCOMMODATE NEW PLUMBING LINES OR WHERE CAPPING OF EXISTING LINES BELOW THE SLAB IS REQUIRED AND FILLING IN HOLES IN SLAB WHERE EXISTING MEP HAS BEEN ABANDONED.

DEMOLITION PLAN NOTES

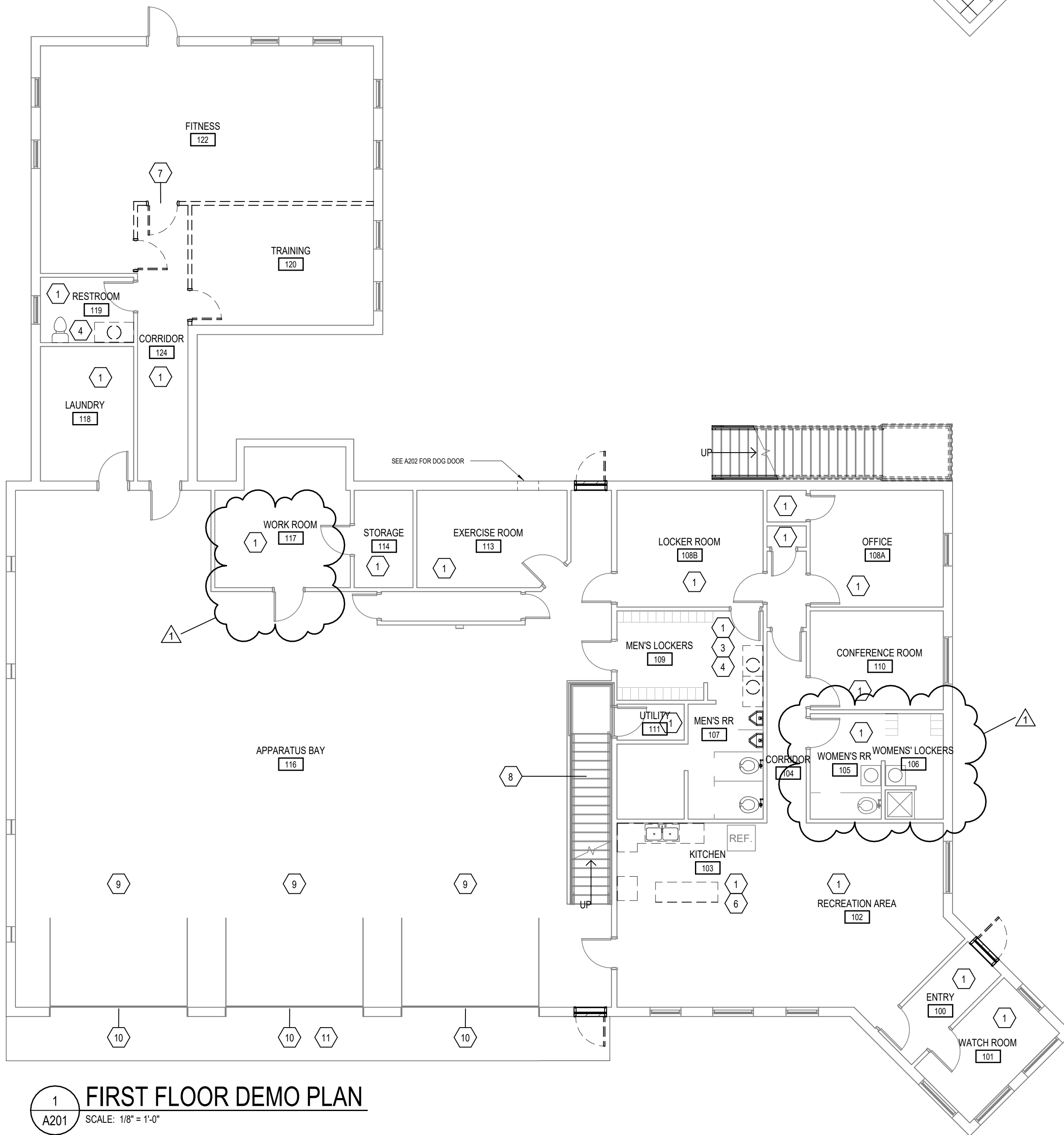
- REMOVE EXISTING FLOORING AND BASE AND PREPARE SUBFLOOR FOR NEW EPOXY FLOORING.
- REMOVE EXISTING FLOORING AND AND BASE AND PREPARE SUBFLOOR FOR NEW CARPET FLOORING.
- REMOVE AND REPLACE ALL TOILET PARTITIONS WITH PHENOLIC PARTITIONS IN EXISTING STRUCTURE. REMOVE ALL CABS AND ADJACENCIES.
- REMOVE AND REPLACE ALL VANITIES, SINKS, TOILETS, AND URINALS.
- REMOVE ALL EXISTING WORK SURFACES AND CABINETRY - NOT USED.
- REMOVE EXISTING CASEWORK, SINK, AND COUNTERTOPS. PROTECT EXISTING APPLIANCES.
- REMOVE DOOR AND SALVAGE FOR REUSE AT DOOR 122. SEE FLOOR PLAN, DEMO EXISTING FRAME.
- REMOVE RUBBER TREAD FINISH. PREPARE FOR NEW FINISH.
- REMOVE EXISTING OVERHEAD DOOR MOTORS.
- REMOVE AND REPLACE OVERHEAD DOOR TRIM.
- DEMO CONCRETE APRON ENTIRELY.
- REMOVE AND REPLACE EXISTING WINDOW.

DEMOLITION RCP NOTE

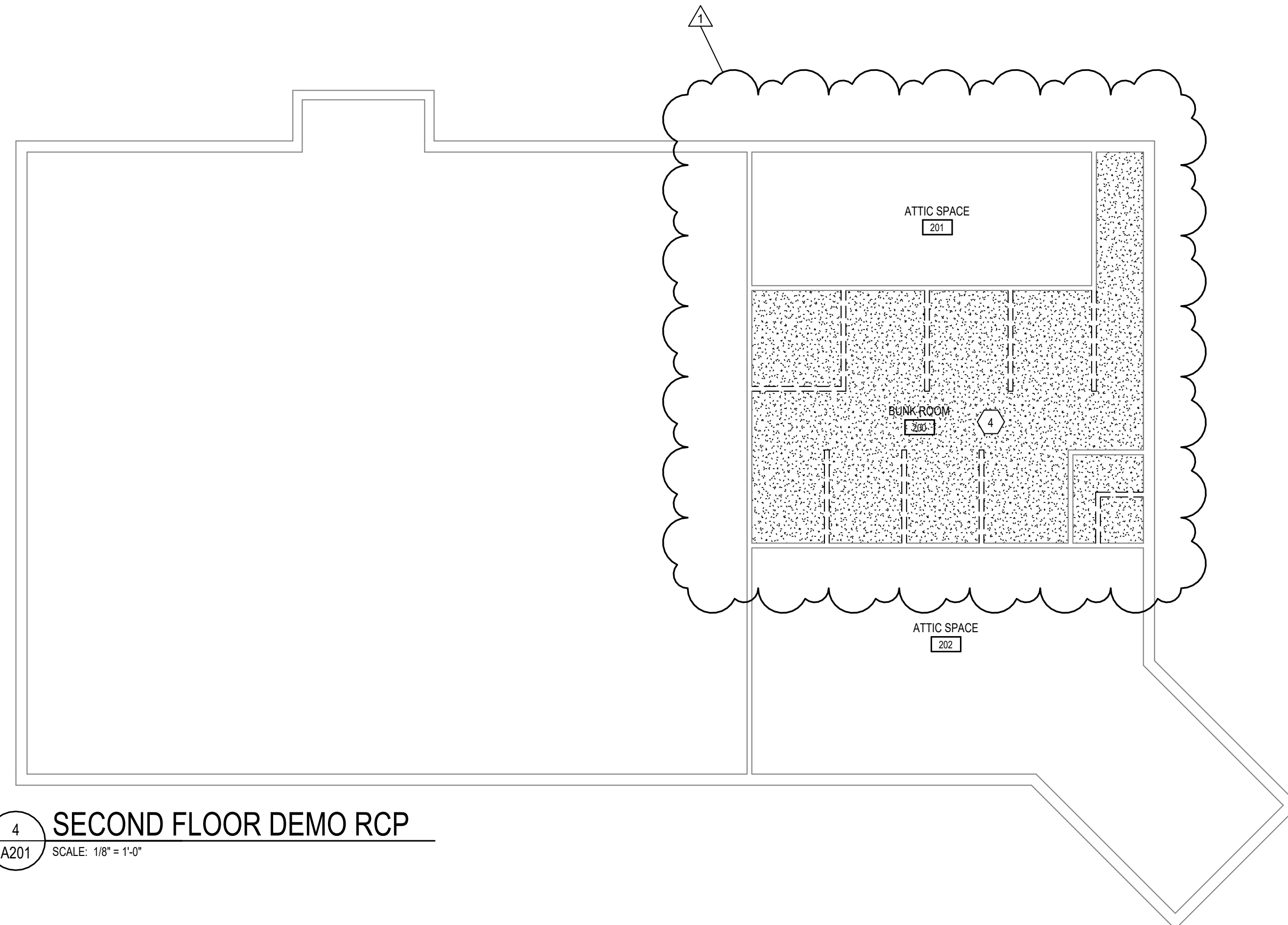
- REMOVE AND REPLACE EXISTING ACOUSTIC CEILING TILE. PROVIDE ALTERNATE TO REPLACE GRID.
- PROTECT EXISTING FIRE PROTECTION, RESET SPRINKLER HEADS IN NEW PADS. COORDINATE WITH FIRE PROTECTION DESIGNER.
- PROTECT EXISTING LIGHTING IN PLACE THROUGHOUT BUILDING.



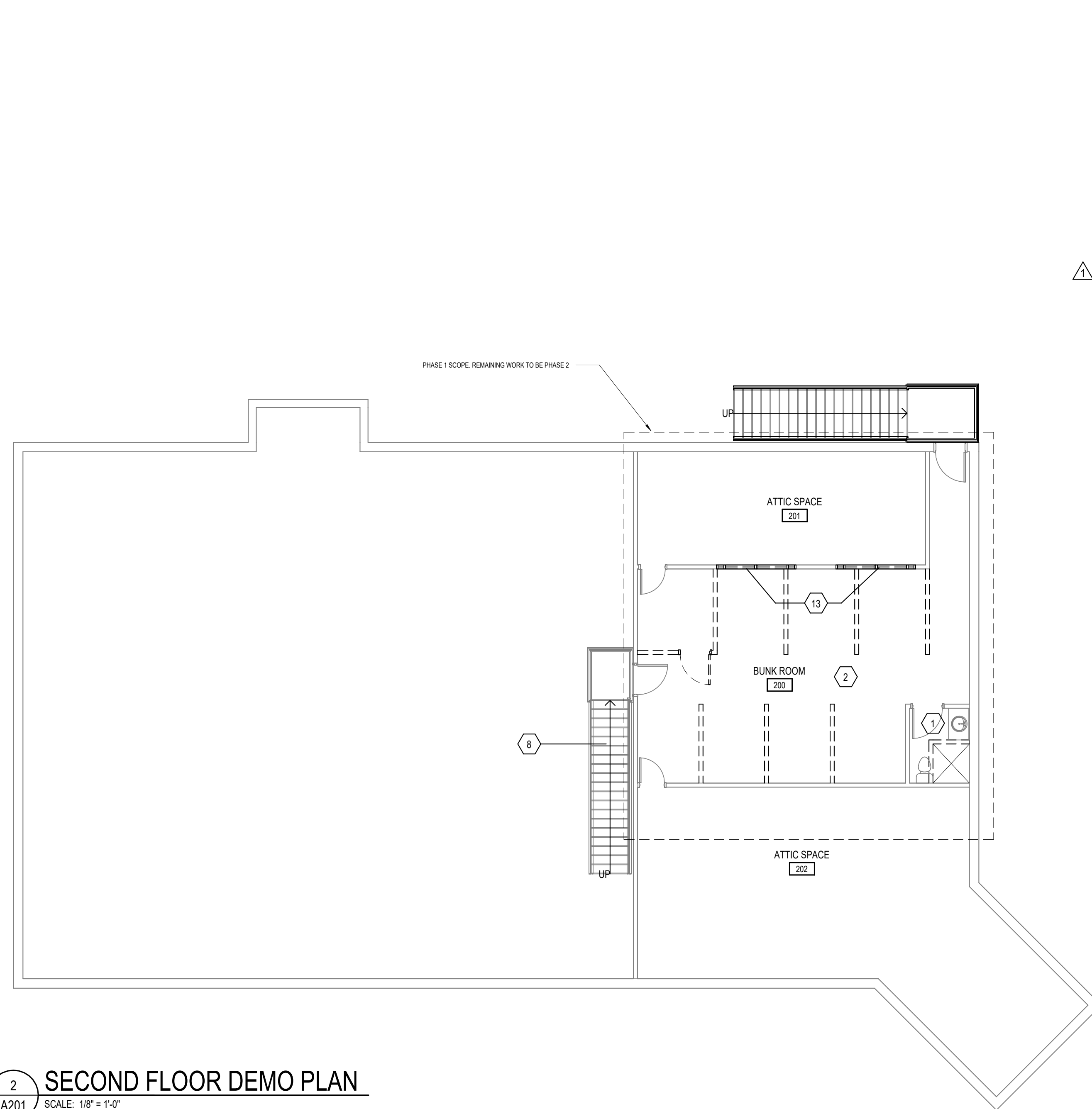
3
A201
GROUND FLOOR DEMO RCP
SCALE: 1/8" = 1'-0"



1
A201
FIRST FLOOR DEMO PLAN
SCALE: 1/8" = 1'-0"



4
A201
SECOND FLOOR DEMO RCP
SCALE: 1/8" = 1'-0"



2
A201
SECOND FLOOR DEMO PLAN
SCALE: 1/8" = 1'-0"

ROOM FINISH SCHEDULE						
RM NO.	ROOM NAME	WALL	FLOOR	BASE	CEILING FINISH	REMARKS
Ground Floor						
100	ENTRY	P-1	EPF-1	EPF-1	ACT-1	
101	WATCH ROOM	P-1	EPF-1	EPF-1	ACT-1	
102	RECREATION AREA	P-1	EPF-1	EPF-1	ACT-1	
103	KITCHEN	P-1	EPF-1	EPF-1	ACT-1	
104	CORRIDOR	P-1	EPF-1	EPF-1	ACT-1	
105	WOMEN'S RR	P-1	EPF-1	EPF-1	ACT-1	
106	WOMEN'S LOCKERS	P-1	EPF-1	EPF-1	ACT-1	
107	MEN'S RR	P-1	EPF-1	EPF-1	ACT-1	
108A	OFFICE	P-1	EPF-1	EPF-1	ACT-1	
108B	LOCKER ROOM	P-1	EPF-1	EPF-1	ACT-1	
109	MEN'S LOCKERS	P-1	EPF-1	EPF-1	ACT-1	
110	CONFERENCE ROOM	P-1	EPF-1	EPF-1	ACT-1	
111	UTILITY	P-1	EPF-1	EPF-1	ACT-1	
113	WORK ROOM	P-1	EPF-1	EPF-1	ACT-1	
114	STORAGE	P-1	EPF-1	EPF-1	ACT-1	
116	APPARATUS BAY	P-1	EPF-1	EPF-1	ACT-1	
117	WORK ROOM	P-1	EPF-1	EPF-1	ACT-1	
118	LAUNDRY	P-1	EPF-1	EPF-1	ACT-1	
119	RESTROOM	P-1	EPF-1	EPF-1	ACT-1	
122	FITNESS	P-1	RF-1	RB-1	ACT-1	
Second Floor						
200	HALLWAY	P-1	CPT-1	RB-1	ACT-1	
201	ATTIC SPACE					
202	ATTIC SPACE					

ROOM FINISH SCHEDULE						
RM NO.	ROOM NAME	WALL	FLOOR	BASE	CEILING FINISH	REMARKS
203	BUNK	P-1	CPT-1	RB-1	ACT-1	
204	BUNK	P-1	CPT-1	RB-1	ACT-1	
205	BUNK	P-1	CPT-1	RB-1	ACT-1	
206	BUNK	P-1	CPT-1	RB-1	ACT-1	
207	BUNK	P-1	CPT-1	RB-1	ACT-1	
208	BUNK	P-1	CPT-1	RB-1	ACT-1	
209	RR	P-1	EPF-1	EPF-1	ACT-1	

INTERIOR DESIGN SELECTION SUMMARY						
Category (Optional)	NAME	MANUFACTURER	STYLE	NUMBER	COLOR	SIZE
ACOUSTICAL CEILING TILE	ACT-1	USG	55 NRC MINERAL BOARD 35 CAC SQUARE EDGE LAY IN CEILING TILE	2315	WHITE	24"x48" 15/16" GRID
CARPET	CPT-1	MOHAWK	DISRUPTIVE PATH	915	BLUE DISK	12"x36" ASHAR INSTALLATION
CERAMIC TILE	CT1	DATILE	POLARIS	PL02	WHITE	10"x14"
EPOXY POURED FLOOR	IEP-1	DURA-FLEX	HYBRID-FLEX EB			
PAINT	P-1	SHERWIN WILLIAMS	SW7636	ORIGAMI WHITE		
PLASTIC LAMINATE	PL1	FORMICA	HIGH PRESSURE DECORATIVE LAMINATE	928	MOUSE	
RESILIENT BASE	RB-1	TARKETT JOHNSONITE	THERMO SET RUBBER COVED BASE	20	CHARCOAL	14"H
RUBBER FLOORING	RF1					

REFLECTED CEILING LEGEND

- FLUORESCENT LIGHT FIXTURES, RECESSED OR SURFACE MOUNTED, SEE ELECTRICAL DRAWINGS
- DOWNLIGHT-HIGH BAY LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS
- CEILING MOUNTED PROJECTOR, SEE TECHNOLOGY DRAWINGS
- RETURN/EXHAUST GRILL, SEE MECHANICAL DRAWINGS
- SUPPLY AIR GRILL, SEE MECHANICAL DRAWINGS
- LINEAR SLOT SUPPLY AIR GRILL, SEE MECHANICAL DRAWINGS
- SUSPENDED ACOUSTICAL LAY-IN CEILING
- STYLE: DESCRIPTION: SQUARE EDGE COLOR: WHITE SIZE: 24" x 48" x 3/4" LOCATION: CLASSROOMS
- SUSPENDED GYPSUM WALLBOARD CEILING SYSTEM USE 5/8" WALLBOARD PAINT: PS CEILING BRIGHT WHITE UNLESS NOTED OTHERWISE.
- GYPSUM WALLBOARD BULKHEAD
- EXPOSED STRUCTURE

CEILING ELEVATION MARK ABOVE FINISHED FLOOR (AT THAT LOCATION IF MULTIPLE FLOOR LEVELS ARE PRESENT)

GENERAL NOTES

- ALL DIMENSIONS ARE FROM FACE OF STUD, OR FACE OF MASONRY. ANY DIMENSIONS NOT SHOWN OR DEEMED QUESTIONABLE ARE TO BE VERIFIED BY ARCHITECT/DESIGNER. DO NOT SCALE DRAWINGS.
- REFERENCE CIVIL DRAWINGS FOR FINISHED FLOOR BENCHMARK ELEVATIONS.
- PROVIDE WOOD BLOCKING SUPPORTS AS REQUIRED FOR ALL SURFACE MOUNTED ITEMS.
- COORDINATE WORK OF THIS TRADE WITH OTHER TRADES.
- DOOR AND FRAME NUMBERS CORRESPOND TO ROOM NUMBERS WHERE MORE THAN ONE DOOR OCCURS IN A ROOM. A SUFFIX HAS BEEN ADDED (I.E. 100A). SEE DIVISION 500 DRAWINGS FOR DOOR SCHEDULE. DOORS LABELED WITH LETTERS ONLY ARE USED IN MULTIPLE LOCATIONS ON THE PROJECT.
- APPLY SEALANT AT ALL JUNCTURES BETWEEN DIFFERENT MATERIALS (I.E. STOREFRONT AND MASONRY, WINDOWS, AND FIBER CEMENT PANEL, ETC.)
- APPLY SEALANT AT ALL PLUMBING FIXTURES AT JUNCTURE WITH WALL/FLOOR.
- APPLY SEALANT AT ALL COUNTERTOPS AND BACK SPLASHES AT JUNCTURE WITH WALL.
- ALL DOORS, PLUMBING FIXTURES, AND APPLIANCES MUST BE INSTALLED WITH AT LEAST THE MINIMUM MANEUVERING CLEARANCE AT THE DOOR APPROACH PER ACCESSIBILITY CODES LISTED ON THE COVER SHEET.
- SEE SHEETS A202 FOR INTERIOR WALL TYPES.

WALL TYPE NOTES:

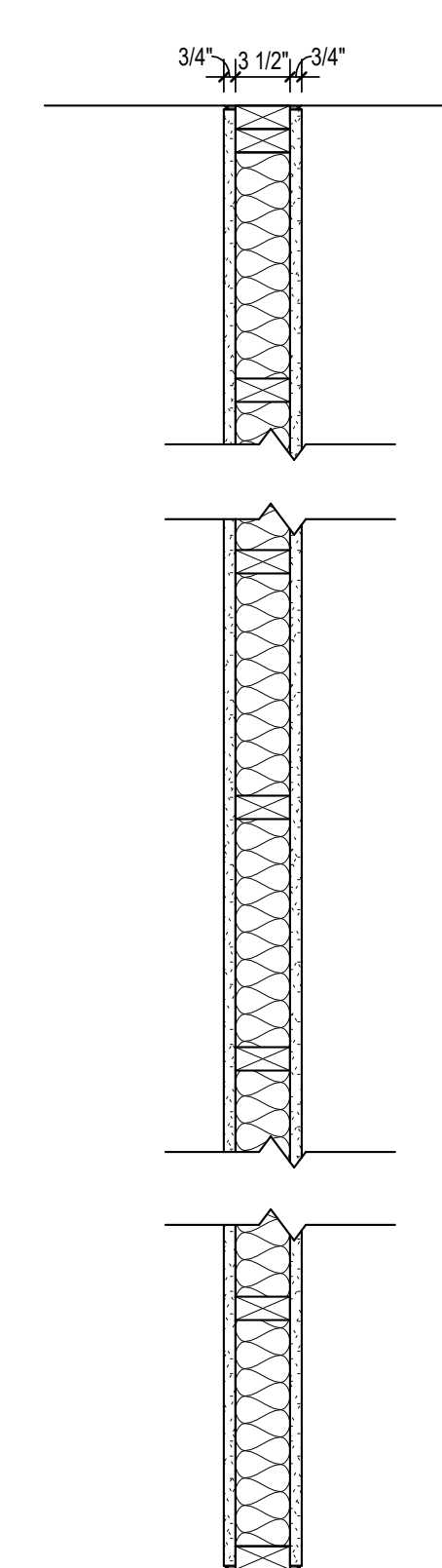
- WALL CONSTRUCTION FULL HEIGHT UNLESS OTHERWISE NOTED.
- PROVIDE MOLD AND MOISTURE RESISTANT BOARD ON ALL WET AREA WALLS.
- PROVIDE FIRE RESISTIVE RATED MATERIALS AT ALL RATED ASSEMBLIES TO MEET ASSEMBLY REQUIREMENTS.
- PROVIDE FIRE RESISTIVE JOINT SYSTEMS EQUAL TO WALL RATING AT ALL HEAD AND FLOOR INTERSECTIONS WITH RATED ASSEMBLIES. REFER TO SHEETS A202 FOR INTERIOR WALL ASSEMBLIES (PARTITION TYPES).
- PROVIDE IN-WALL FIRE BLOCKING AS REQUIRED TO ACHIEVE RATING.

PLAN NOTES

- PROVIDE ALTERNATE BID FOR REPLACEMENT OF EXISTING WINDOWS IN EXISTING OPENINGS. VERIFY R.O. IN FIELD.
- REPLACE DOOR AND FRAME IN EXISTING R.O. PAINT TO MATCH. VERIFY R.O. AND HEAD AND JAMB CONDITIONS.
- ALIGN
- REPLACE EXISTING CONCRETE APRON WITH 6" CONCRETE SLAB. DOWEL CONNECT TO EXISTING SLAB @ 24" O.C.
- ADD THROUGH WALL DOGGY-DOOR. COORDINATE SIZE AND LOCATION WITH OWNER. MASSEAL PRO PET DOOR FOR WALLS AS BASIS OF DESIGN.
- EXISTING OVERHEAD DOORS TO BE REPAINTED. REPLACE GLAZING. PROVIDE AND INSTALL NEW MOTORS. REMOVE EXISTING AND INSTALL NEW TRIM.
- NEW EPOXY FLOOR
- NEW CARPET TILES
- NEW RUBBER TREAD FINISH
- REPLACE EXISTING PARTITIONS WITH NEW PHENOLIC PARTITIONS. REPLACE ALL RESTROOM ACCESSORIES AND FIXTURES.
- NEW SOLID SURFACE COUNTERTOPS
- REPLACE TILE BACKSPLASH. OWNER TO SELECT NEW TILE.
- REPLACE ALL CASEWORK AND HARDWARE. OWNER TO SELECT FINISHES. VERIFY SIZE AND LOCATION IN FIELD.
- SEMI-RECESSED FIRE EXTINGUISHER CABINET AND FIRE EXTINGUISHER MOUNT TO BE CABINET 14" H x 4" W x 4" D
- WET WALLS PROVIDE MOLD AND MOISTURE RESISTANT GYPSUM WALLBOARD.
- BURY DOWNSPOUT EXTENDERS MIN. 2" COVER OUT TO APPROX. 15' AWAY FROM BUILDING.
- REPAIR EXISTING ROOF STAIRS, HANDS, SLOPES, AND FLASHING.
- INSTALL GUTTER GUARD ALONG LOWER SECTION OF GUTTER (ABOVE)
- INFILL HALLWAY WITH RUBBER FLOORING TO MATCH EXISTING FLOOR FINISH IN FITNESS ROOM
- INSTALL NEW DRYWALL ALONG ENTIRE WALL BELOW WINDOWS. PAINT TO MATCH EXISTING ROOM.
- PAINT EXISTING ACCESS HATCH TO MATCH WALL COLOR.

REFLECTED CEILING PLAN NOTES

- REPLACE ACOUSTICAL CEILING TILE THROUGHOUT. PROTECT AND MAINTAIN EXISTING OPENINGS. VERIFY R.O. IN FIELD.
- REWORK AND INFILL EXISTING GRID AS NEEDED.
- PROVIDE ALTERNATE BID FOR REPAINTING OF EXISTING CEILING TILE GRID THROUGHOUT BUILDING.
- NEW ACOUSTICAL CEILING TILE GRID WITH ADJACENT CEILING ALUMINUM TRIM. ALIGN WITH EXISTING WALLS.
- CUT AND PATCH EXISTING CEILING FOR NEW EQUIPMENT. PAINT P-1 FINISH.
- PROVIDE AND INSTALL A 2X4 PULL DOWN LADDER ATTIC ACCESS HATCH IN DRYWALL ABOVE. FRAME AND BRACE AS NEEDED. COORDINATE AND ALIGN WITH NEW CEILING GRID.



W1 - 2X4 WOOD STUDS
W1A - 2X6 WOOD STUDS

W1 PARTITION TYPE
SCALE: 1" = 1'-0"

4 SECOND FLOOR RCP
SCALE: 1/8" = 1'-0"

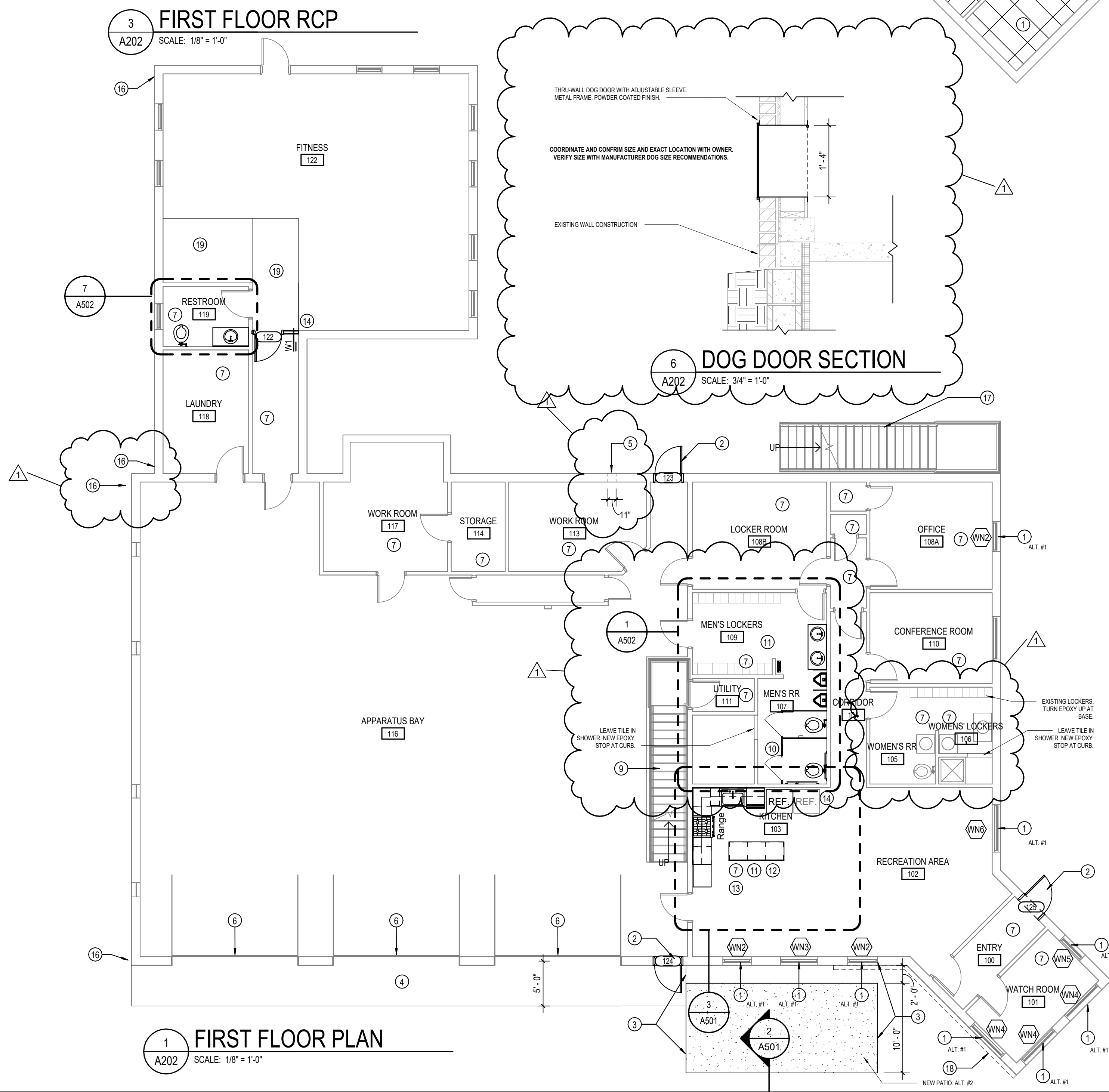
7 WINDOW ELEVATIONS
SCALE: 1/4" = 1'-0"

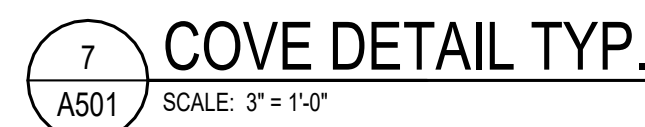
2 SECOND FLOOR PLAN
SCALE: 1/8" = 1'-0"

3 FIRST FLOOR RCP
SCALE: 1/8" = 1'-0"

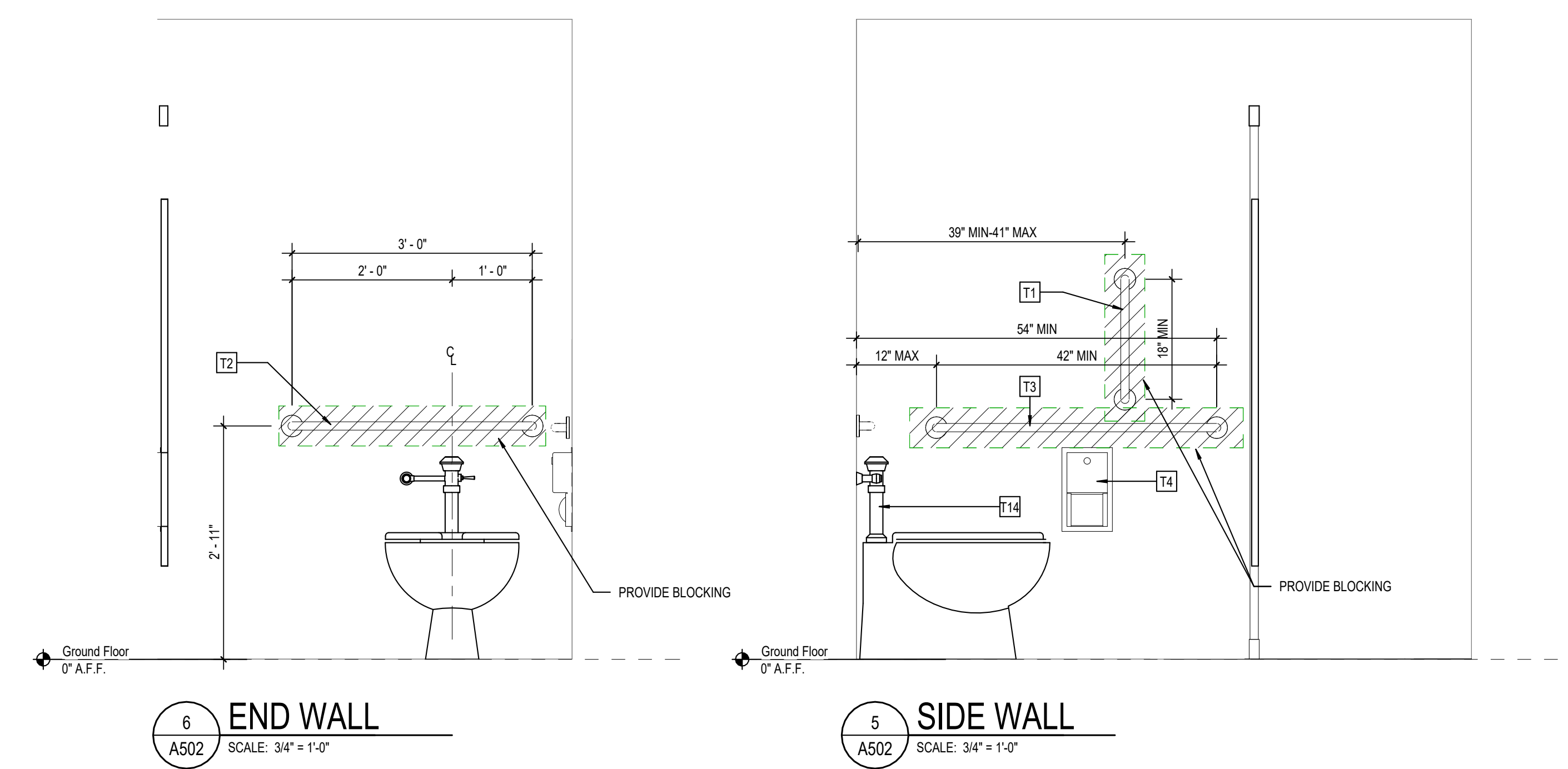
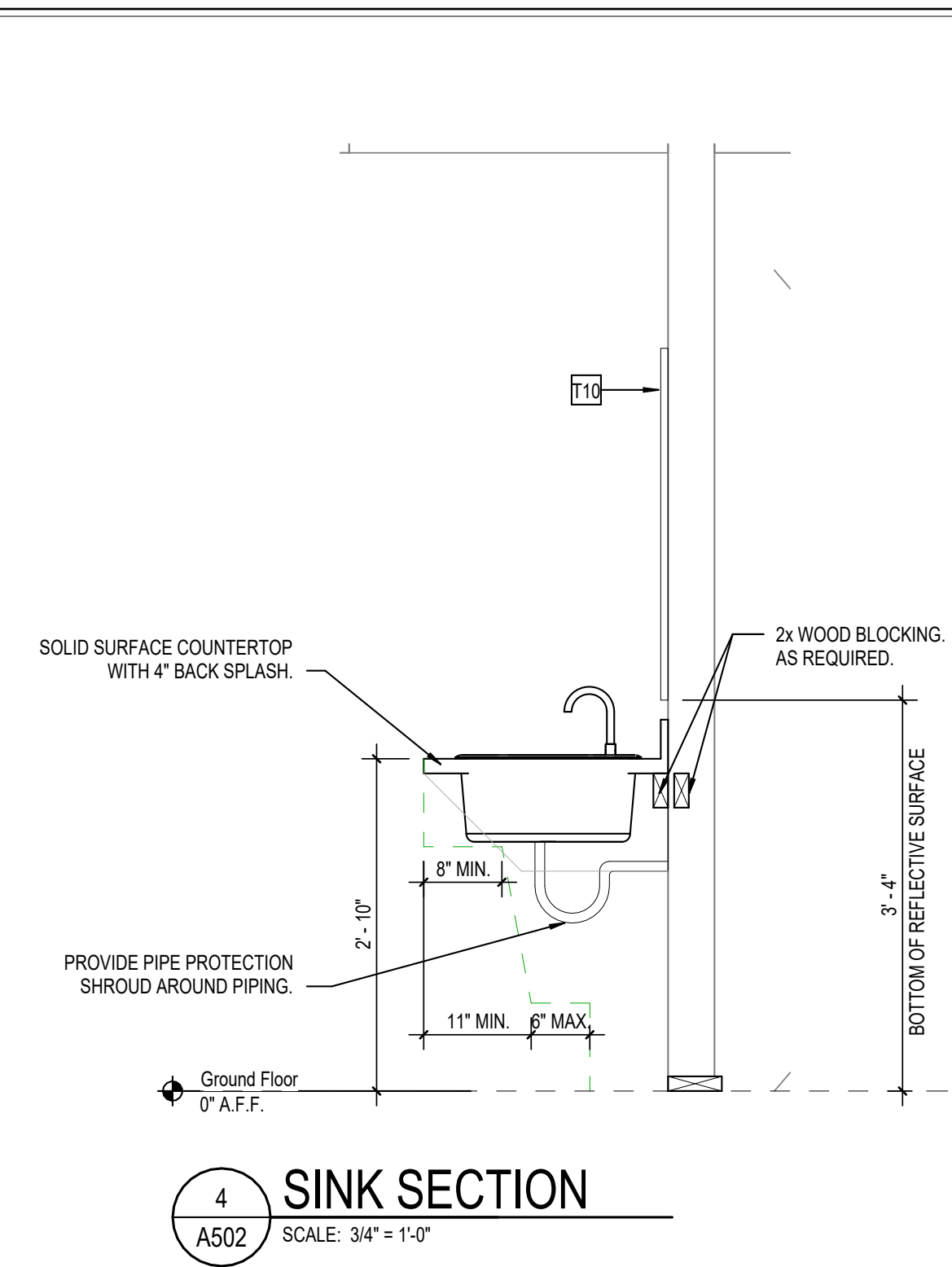
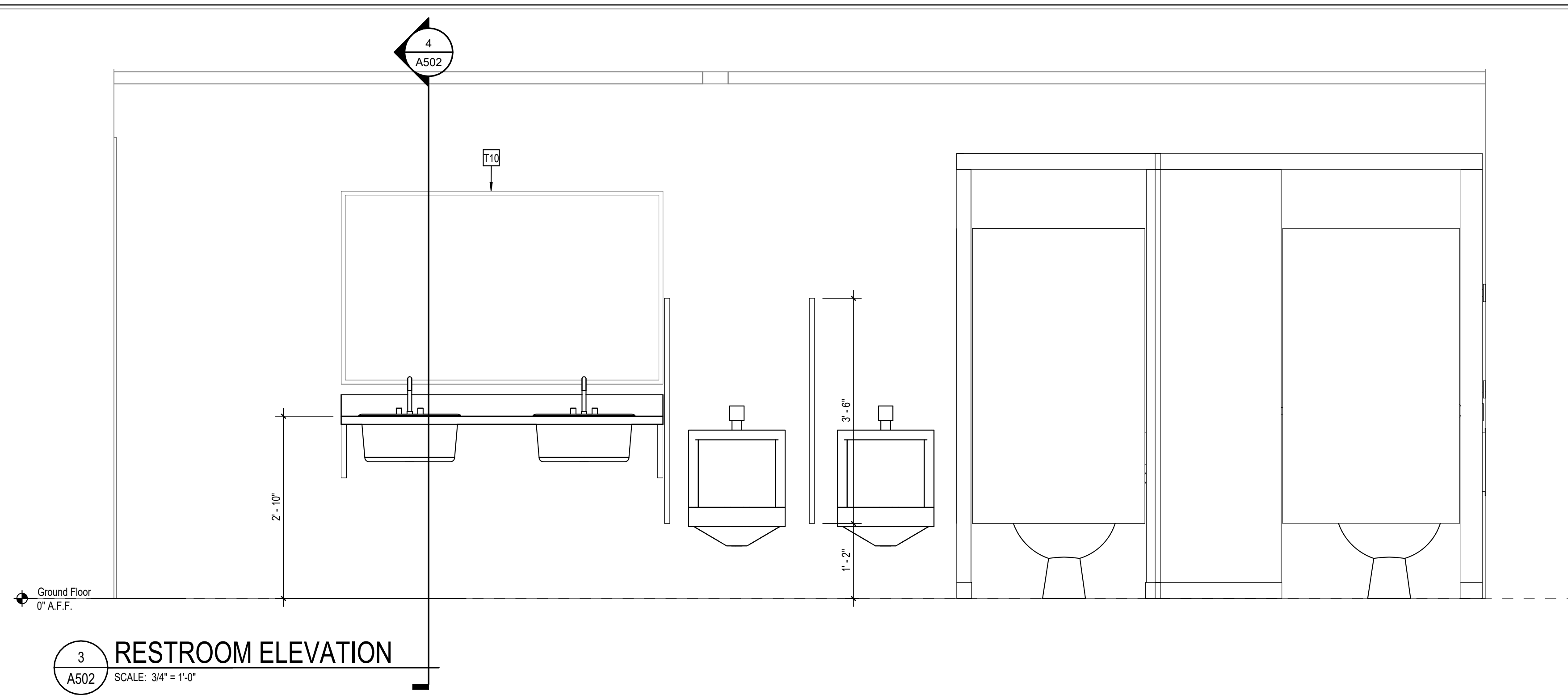
1 FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

6 DOG DOOR SECTION
SCALE: 3/4" = 1'-0"

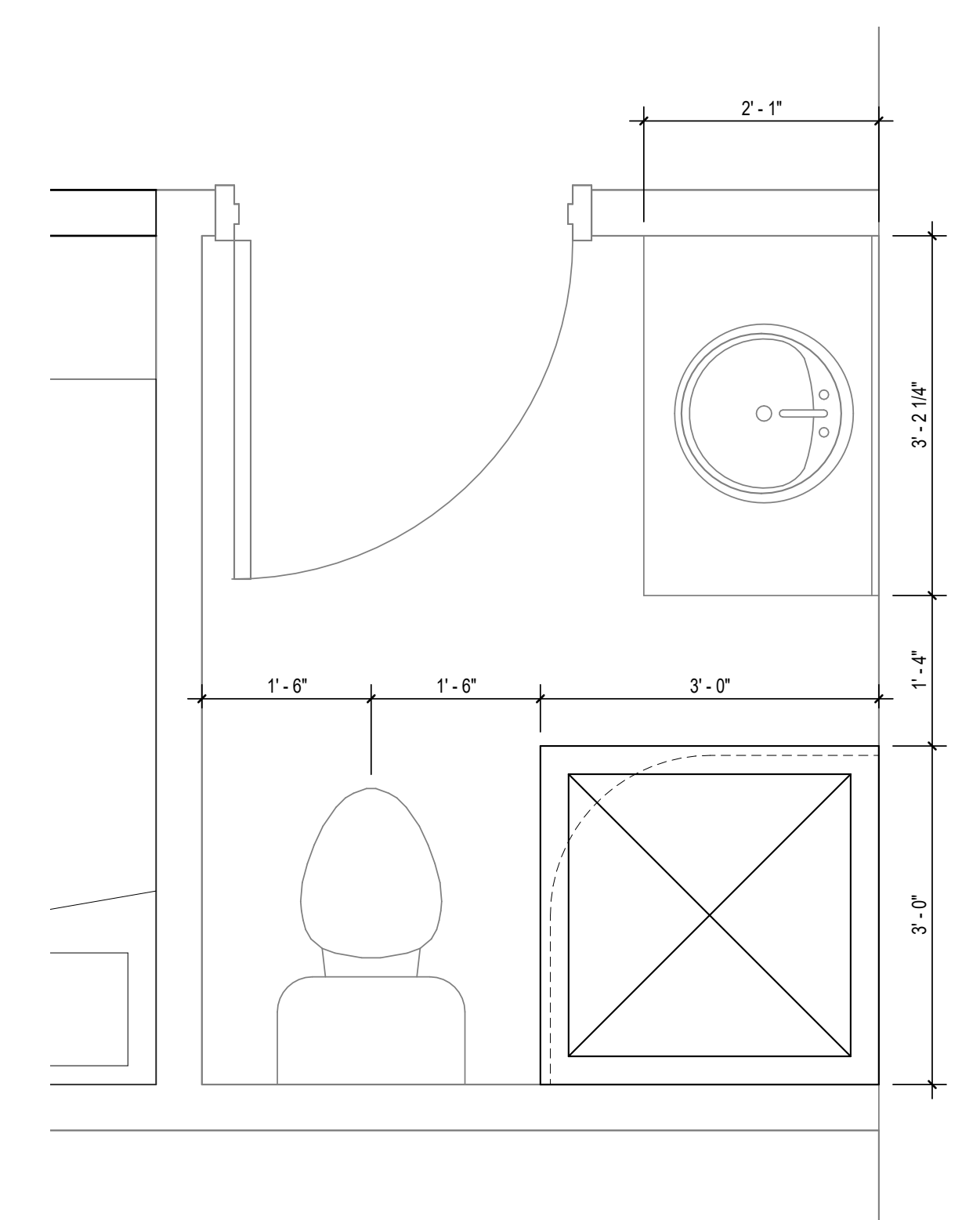
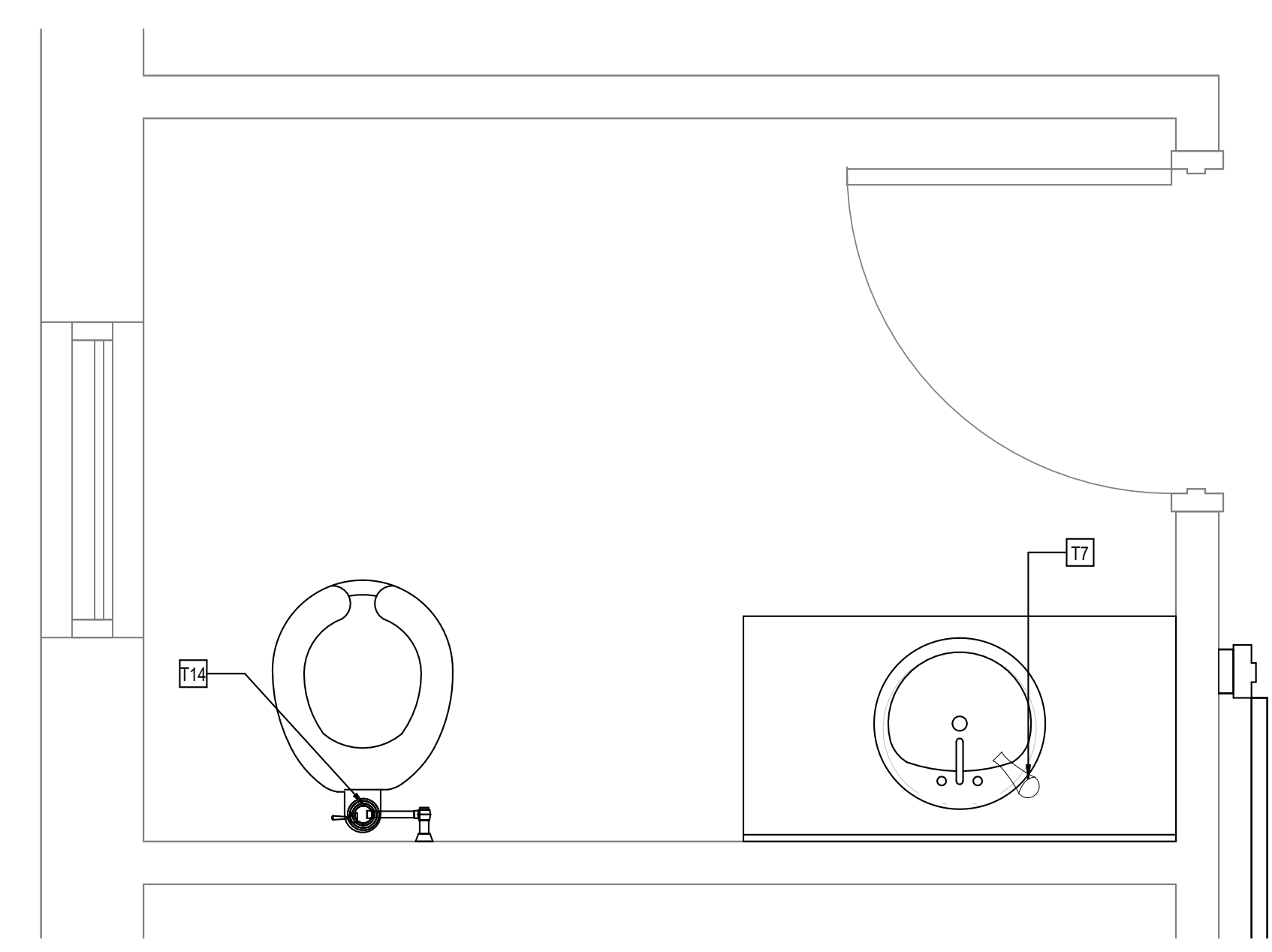
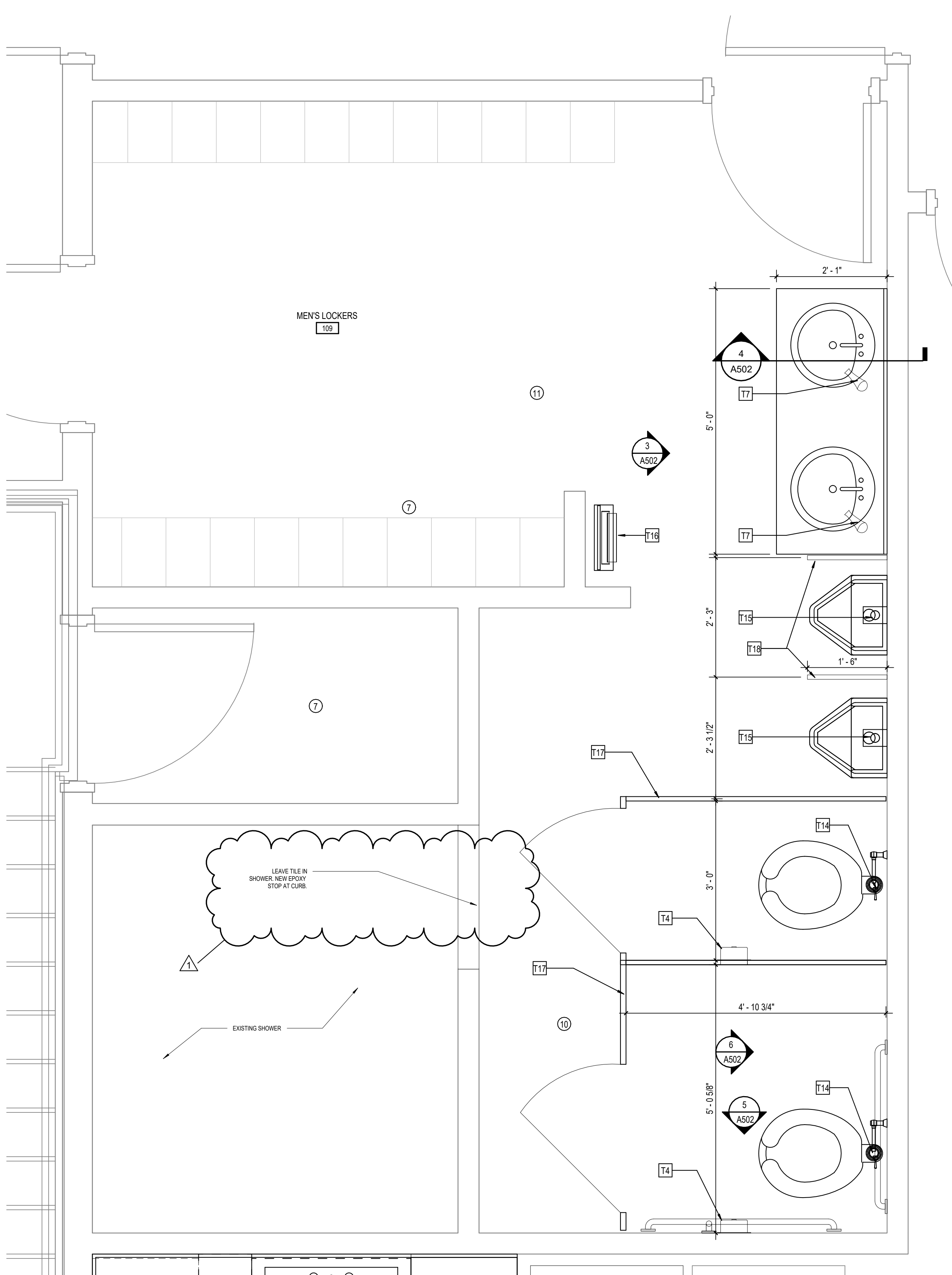


[illegible]

PROJECT NUMBER
23007



ACCESSORY SCHEDULE	
ACCESSORY NOTE	Description
T1	GRAB BAR - 18"
T2	GRAB BAR - 36"
T3	GRAB BAR - 42"
T4	SURFACE MOUNTED MULTI-ROLL TOILET TISSUE DISPENSER
T7	COUNTER MOUNTED AUTOMATIC TOP-FILL BULK LIQUID SOAP DISPENSER
T10	5'-0"W. x 4'-0"H. MIRROR
T14	WATER CLOSET FLUSHING SYSTEM - BATTERY OPERATED
T15	URINAL FLUSHING SYSTEM - BATTERY OPERATED
T16	WALL MOUNTED GEORGIA-PACIFIC MOTION ACTIVATED PAPER TOWEL DISPENSER
T17	FLOOR MOUNTED OVERHEAD BRACED SOLID PHENOLIC TOILET COMPARTMENTS
T18	WALL MOUNTED SOLID PHENOLIC URINAL SCREENS

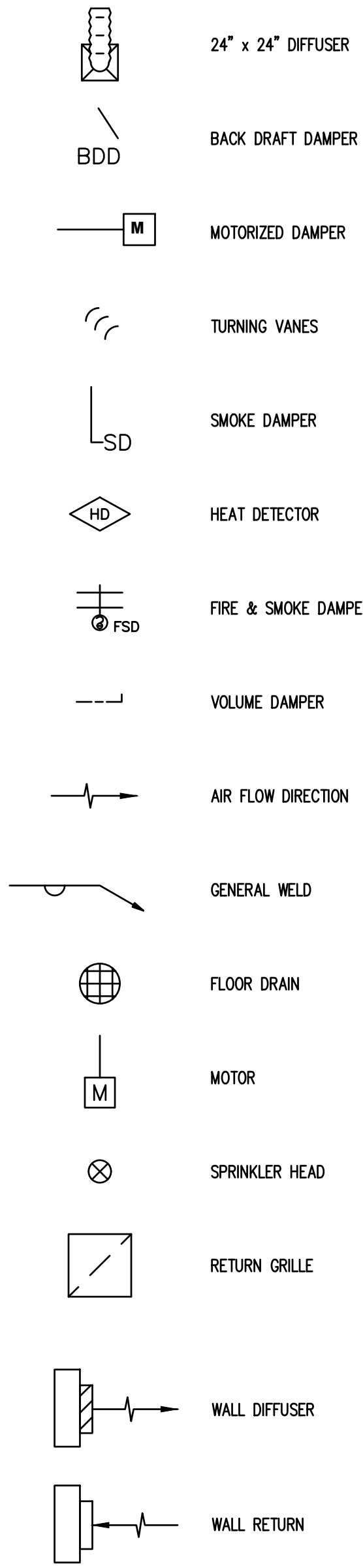


1
A502
ENLARGED FIRST FLOOR
RESTROOM
SCALE: 3/4" = 1'-0"

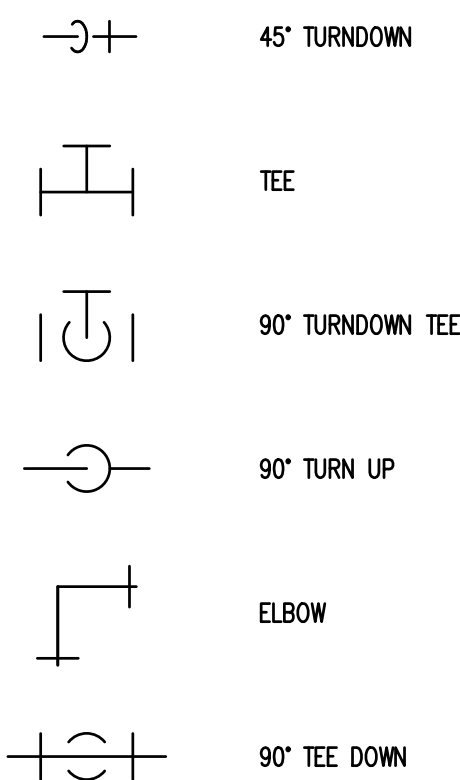
7
A502
FIRST FLOOR PLAN - Callout 1
SCALE: 3/4" = 1'-0"

2
A502
ENLARGED RESTROOM
SCALE: 3/4" = 1'-0"

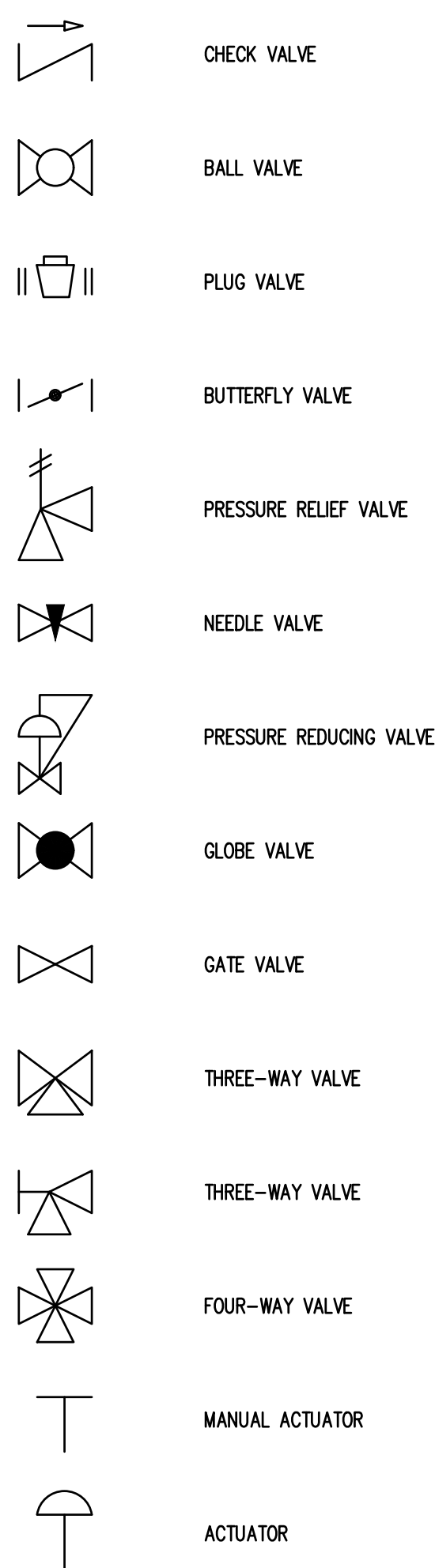
MECHANICAL SYMBOLOGY



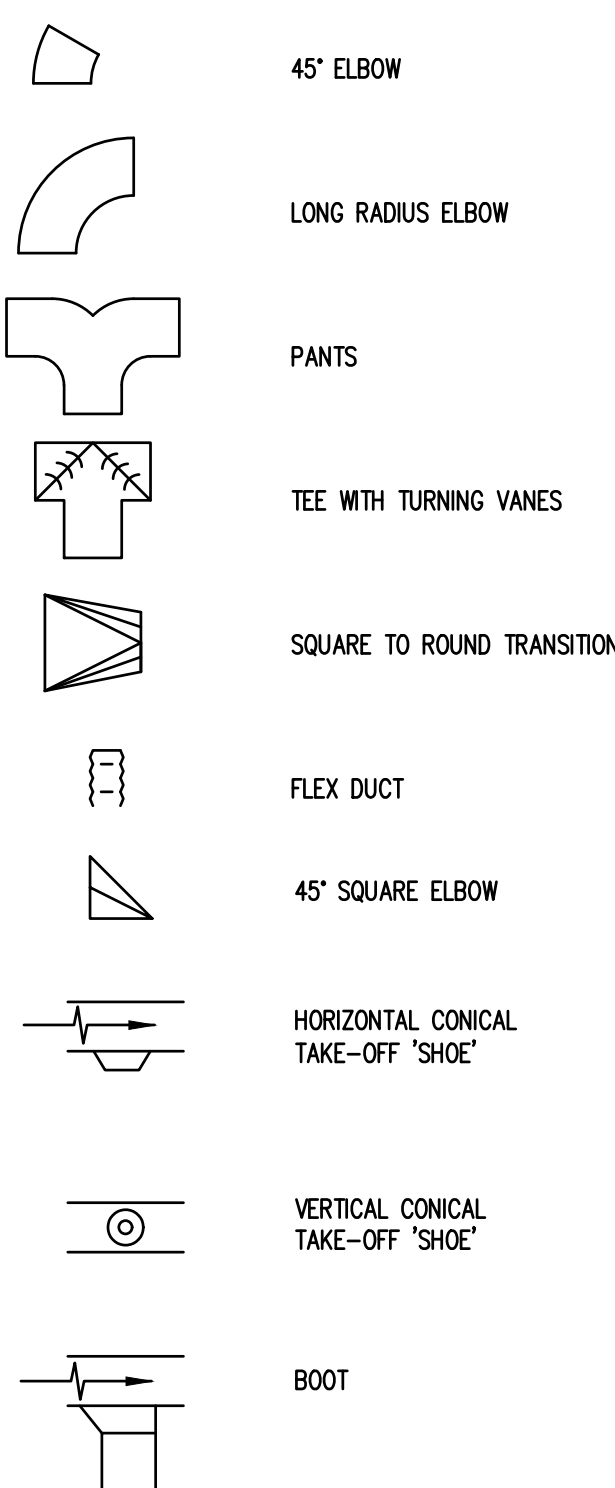
PIPING SYMBOLOGY



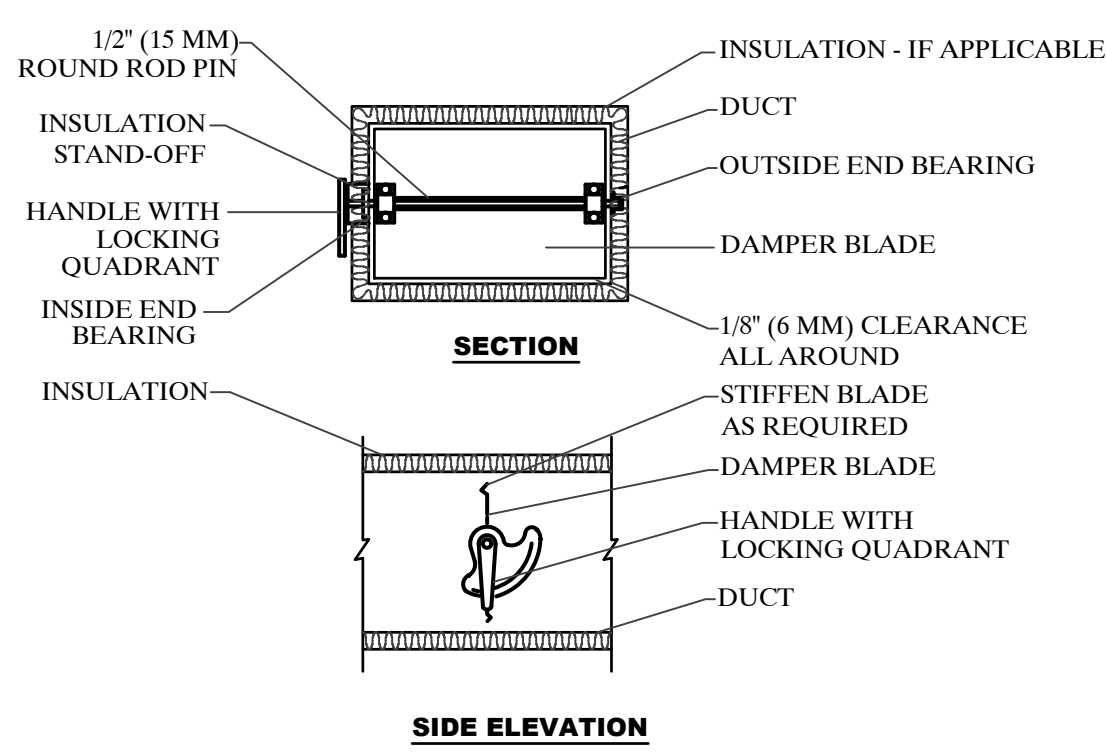
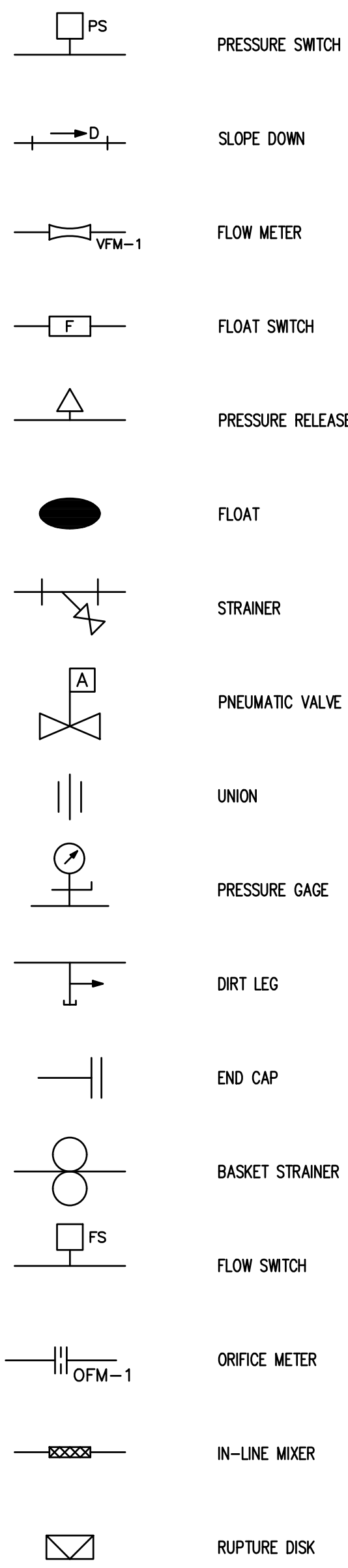
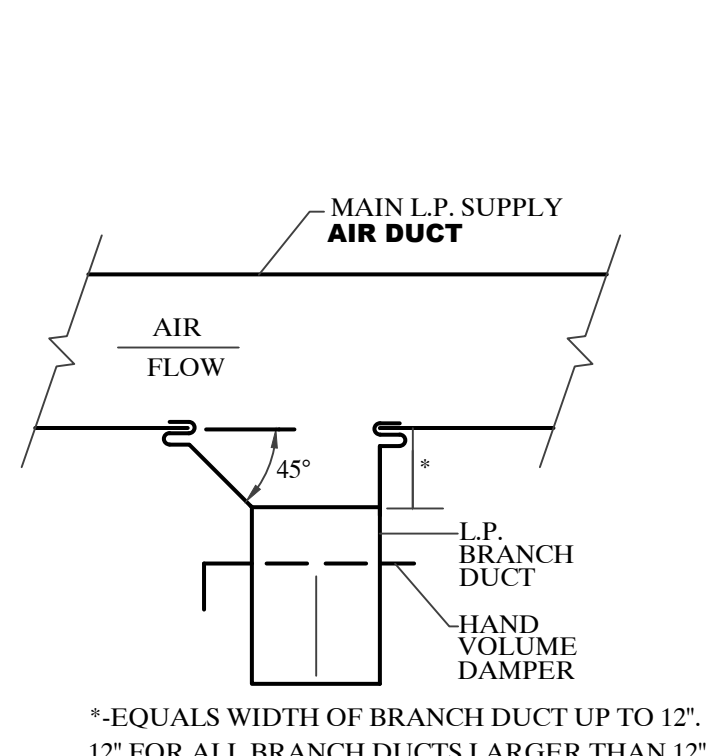
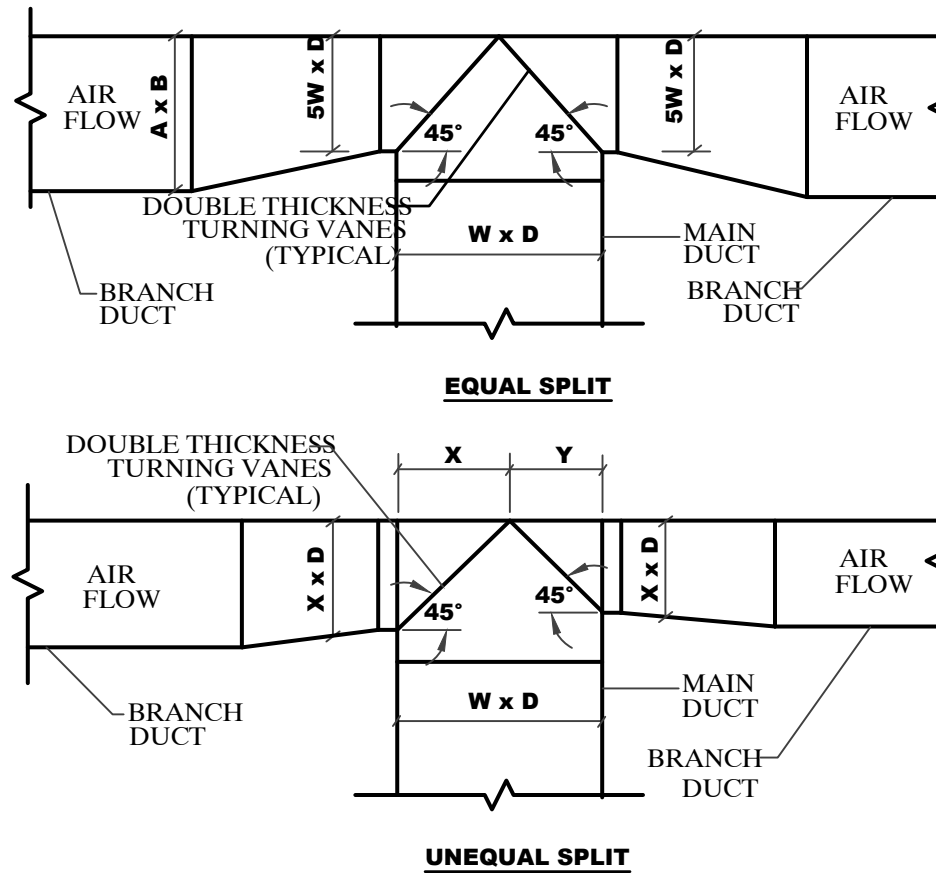
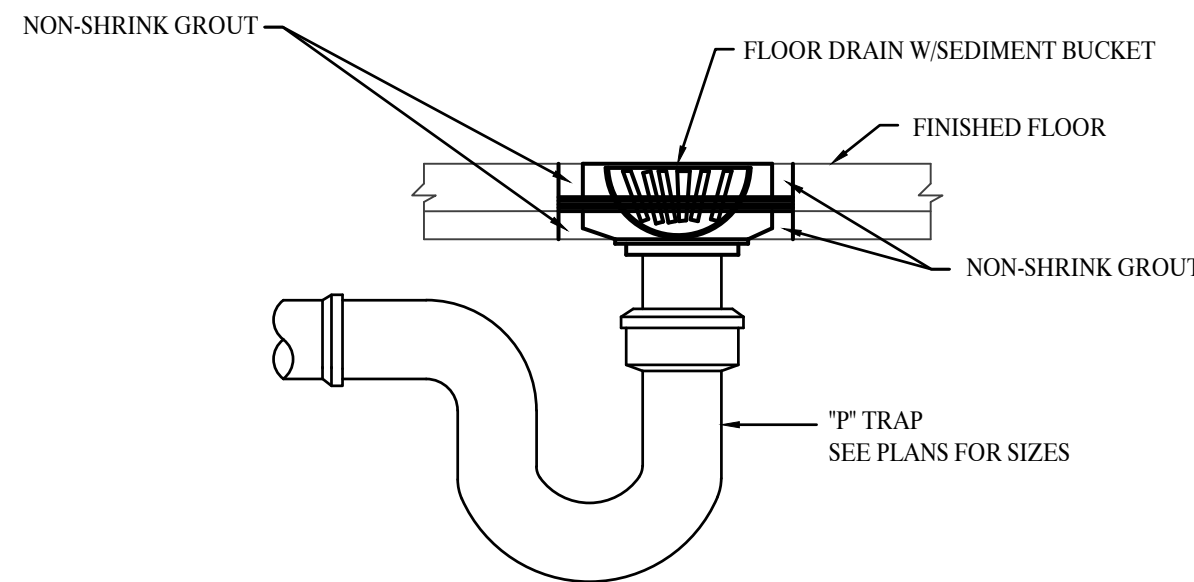
VALVES



DUCT SYMBOLOGY



PIPING SYMBOLS

VOLUME DAMPER DETAIL
SCALE: NTSTYPICAL LOW PRESSURE BRANCH
SCALE: NTSDUCT DETAIL
SCALE: NTSTYPICAL FLOOR DRAIN DETAIL
SCALE: NTS

MARK NO.	LAV-1
LOCATION	RESTROOMS
MANUFACTURER	AMERICAN STANDARD
MODEL	0478.703
DESCRIPTION	PIAZZA® COUNTERTOP SINK
MATERIAL	SELF-RIMMING
DIMENSIONS	VITREOUS CHINA
FAUCET HOLES	23.5" x 18.375"
DEPTH	ONE HOLE
ADA COMPLIANT	6.5"
COLOR	YES
COMMENTS	WHITE
	CUTOUT TEMPLATE SUPPLIED
	FRONT OVERFLOW
	INCLUDE ADA INSULATION
	PACKAGE FOR ALL EXPOSED PIPING



NAME	LAV-1
MANUF.	AMERICAN STANDARD
MODEL	RELIANT 3.7385.004
BODY MAT.	CAST BRASS
FINISH	POLISHED CHROME
MAX FLOW	1.2 GPM
TEMPERING	MECHANICAL
CENTERS	ONE HOLE
MOUNTING	DECK
HANDLES	LEVER
INLET	1/2" MALE SHANKS
SPOUT TYPE	RIGID
SPOUT OUTLET	AERATOR
OPERATION	NON COMPRESS. MANUAL
DRAIN	NONE



MARK NO.	WC-1
LOCATION	RESTROOMS
MANUFACTURER	KHOLER
MODEL	26077-0
DESCRIPTION	KINGSTON FLOOR MOUNT
MATERIAL	VITREOUS CHINA
FLOW RATE	1.28 GPF
BOWL	ELONGATED
ROUGH-IN DIM	12"
ADA COMPLIANT	YES
COLOR	WHITE
COMMENTS	



MARK NO.	SH-1
MANUFACTURER	DREAMLINE
MODEL	DREAMLINE 76 3/4" X 30" x 36"
MATERIAL	ACRYLIC
DRAIN	2" DRAIN
ADA COMPLIANT	YES
VENT	1" VENT
COLOR	WHITE
COMMENTS	PRESSURE MIXING VALVE
	GRAB BAR



NAME	CM-1
MANUFACTURER	GROHE
MODEL	GSS-GROHITHERM-CIR-05-00A
MATERIAL	ACRYLIC
ADA COMPLIANT	YES
FINISH	STARLIGHT CHROME
COMMENTS	W/ HAND SHOWER
	W/ SHOWER HEAD
	W/ SHOWER ARM
	W/ WALL SUPPLY ELBOW
	W/ VALVE/TRIM
	W/ ROUGH IN



NAME	WC-1
MANUF.	AMERICAN STANDARD
MODEL	COMMERCIAL TOILET SEAT
CONFIGUR	OPEN FRONT
	WITHOUT COVER
MATERIAL	SOLID POLYPROPYLENE
	W/ ANTIMICROBIAL AGENT
SIZE	ELONGATED
HINGE TYPE	ELONGATED
ACTION	CHECK
CLASS	STANDARD COMMERCIAL
COLOR	WHITE

NAME	URINAL U-1
MANUF.	AMERICAN STANDARD
MODEL	WASHBROOK FLO-WISE
DESCRIPTION	ADA (WHERE INDICATED),
	WALL MOUNTING
	BACK-OUTLET
	VITREOUS CHINA
TYPE	
STRAINER	INTEGRAL CAST STRAINER
DES. CONS.	0.5 GPF
COLOR	WHITE
SUPPLY SPUD	3/4"
OUTLET SIZE	2"



NAME	URINAL U-1
MANUF.	SLOAN
MODEL	OPTIMA PLUS 8180
INTERNAL DES.	DIAPHRAGM
STYLE	EXPOSED
INLET SIZE	1"
TRIP MECH	BATTERY-OPERATED
	SENSOR ACTUATED
CONSUMPTION	1.0 GPF
TAIL PIECE SZ.	1 1/2"
COMMENTS	

DRAIN SCHEDULE			
FIXTURE I.D.	MANUFACTURER	MODEL & (#) NO.	SIZE
FD-1	PROFLO	FD-3" FLOOR DRAIN, STAINLESS STEEL MODEL PF-4200	3"

DRAWING INDEX	
DRAWING No.	DRAWING TITLE
MP001	MECHANICAL AND PLUMBING SYMBOLS
MP002	MECHANICAL AND PLUMBING SCHEDULES
MDP101	STATION 52 PLUMBING AND MECHANICAL DEMOLITION PLAN
MP101	STATION 52 SECOND FLOOR MECHANICAL AND PLUMBING PLAN
MP200	MECHANICAL AND PLUMBING SPECIFICATIONS

- A. ALL WORK SHALL BE IN ACCORDANCE WITH THE BEST QUALITY STANDARDS OF THE TRADE AND SHALL CONFORM WITH ALL FEDERAL, STATE, AND LOCAL CODES AND STANDARDS.
- B. CONTRACT DOCUMENTS CONSIST OF BOTH THE PROJECT MANUAL AND DRAWINGS AND BOTH ARE INTENDED TO BE COMPLEMENTARY – ANYTHING APPEARING ON EITHER MUST BE EXECUTED THE SAME AS IF SHOWN ON BOTH.
- C. THE CONTRACTOR SHALL INCLUDE IN BID PROPOSAL ALL COSTS REQUIRED TO COMPLETELY AND PROPERLY INSTALL ALL WORK REQUIRED FOR THE PROJECT AND SHALL EXAMINE THE SCOPE OF WORK OF OTHER TRADES PRIOR TO SUBMITTING A BID PROPOSAL.
- D. CONSTRUCTION DOCUMENTS SHALL BE FOLLOWED AS CLOSELY AS POSSIBLE, HOWEVER, SYSTEMS HAVE BEEN SHOWN DIAGRAMMATICALLY AND IN SOME CASES AND ENLARGED FOR CLARITY. ANY OFFSETS, ADDITIONAL FITTINGS, AND/OR APPURTENANCES REQUIRED TO PROVIDE A COMPLETE AND COORDINATED SYSTEM SHALL BE BORNE BY THE CONTRACTOR.
- E. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF CEILING MOUNTED MATERIALS INCLUDING ALL DIFFUSERS, GRILLES, AND REGISTERS.
- F. THE MECHANICAL CONTRACTOR SHALL COORDINATE DUCTWORK INSTALLATIONS WITH OTHER TRADES. LIGHTING AND DUCTWORK DESIGNS INDICATED ON CONTRACT DRAWINGS WERE COORDINATED, HOWEVER CONFLICTS WITH DUCTWORK AND LIGHTS MAY ARISE DUE TO GRID INSTALLATION. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DUCTWORK MODIFICATIONS AND OFFSETS REQUIRED TO ACCOMMODATE FIELD CONDITIONS.

ESCUTCHEONS	
NEW PIPE	TYPE
PROTRUDING FROM WALL	ONE-PIECE, DEEP PATTERN
INSULATED PIPING	ONE-PIECE, STAMPED-STEEL
BARE PIPE	ONE-PIECE CAST BRASS - POLISHED CHROME-PLATED FINISH
FOR THE FLOOR	ONE-PIECE, FLOOR-PLATE
EXISTING PIPE	
ALL PIPE	SPUT-PLATE STAMPED STEEL WITH POLISHED CHROME-PLATED FINISH
FOR THE FLOOR	SPUT-CASTING, FLOOR-PLATE

1 REPLACE BROKEN AND DAMAGED ESCUTCHEONS AND FLOOR PLATES USING NEW MATERIALS

2 SUBMITT EACH TYPE FOR REVIEW

1. SUBMIT MANUFACTURER'S PRODUCT DATA AND INSTALLATION INSTRUCTIONS FOR EACH MATERIAL AND PRODUCT USED.
2. COMPLY WITH GOVERNING CODES AND REGULATIONS. PROVIDE PRODUCTS OF ACCEPTABLE MANUFACTURERS, WHICH HAVE BEEN IN SATISFACTORY USE IN SIMILAR SERVICE FOR THREE YEARS. USE EXPERIENCED INSTALLERS TO HANDLE, MOVE, AND STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.
3. COORDINATE LOCATION OF PLUMBING SYSTEMS TO AVOID INTERFERENCE WITH LOCATION OF STRUCTURE AND OTHER BUILDING SYSTEMS. NOTIFY OWNER PRIOR TO CONSTRUCTION OF CONFLICTS, WHICH CANNOT BE RESOLVED.
4. ALL WORKMANSHIP AND MATERIALS SHALL BE OF THE HIGHEST QUALITY IN EVERY RESPECT. ALL MATERIALS AND EQUIPMENT SHALL BE NEW, OF THE LATEST DESIGN, AND FREE OF DEFECTS. ALL MATERIALS AND EQUIPMENT SHALL CONFORM TO THE LATEST AMENDED EDITION OF ALL APPLICABLE STANDARDS, INCLUDING BUT NOT LIMITED TO, SMACNA, UL, AND LOCAL STANDARDS.
5. OBTAIN ALL EQUIPMENT OF THE SAME TYPE FROM THE SAME MANUFACTURER.
6. WATER QUALITY TESTING IS REQUIRED.
7. DISRUPTIONS TO EXISTING SERVICES MUST BE COORDINATED WITH THE CONSTRUCTION MANAGER AND THE EQUIPMENT LESS THAN 10 BUSINESS DAYS IN ADVANCE.
8. INSTALL DIELECTRIC FITTINGS AS REQUIRED
9. SEE OTHER SECTIONS FOR DETAILS ON EXCAVATION REQUIREMENTS.
10. DRAWINGS ARE ONLY SCHEMATIC AND DIAGRAMATIC IN NATURE. INSTALL PIPING AS GENERALLY INDICATED.
11. INSTALL VALVES AT ALL LOW POINT IN SYSTEM.
12. INSTALL AIR RELIEF VALVES AT ALL HIGH POINTS IN THE SYSTEM.
13. PROVIDE O&M MANUALS FOR ALL EQUIPMENT.
14. MINIMUM DESIGN WORKING PRESSURE SHALL BE 125 PSIG FOR ALL SUPPLY PIPING.
15. PROTECT ALL EQUIPMENT AND MATERIALS DURING WHILE IN STORAGE AND DURING CONSTRUCTION. REPLACE ANY DAMAGED ITEMS. DO NOT ATTEMPT TO REPAIR.
16. INSTALL FORCE MAINS AT ELEVATIONS INDICATED.
17. PROVIDE FINAL CONNECTIONS TO EQUIPMENT WITH SHUT-OFF VALVES, BALANCE VALVES, UNIONS, ETC. AS REQUIRED BY EQUIPMENT OPERATING INSTRUCTIONS. COORDINATE WITH OWNER'S REPRESENTATIVE FOR EQUIPMENT IDENTIFICATION, CONNECTION REQUIREMENTS, EXACT LOCATIONS AND MOUNTING HEIGHTS.

DOMESTIC WATER PIPING		
	2" AND SMALLER	2.5" AND BIGGER
UNDER-BUILDING-SLAB BUILDING SERVICE PIPING	SOFT COPPER TUBE - ASTM B 88, TYPE K (ASTM B 88M, TYPE A) INSTALLED IN PE ENCASEMENT	MECHANICAL - JOINT, DUCTILE IRON PIPE; WITH MECHANICAL JOINTS PUSH-ON-JOINT, DUCTILE IRON PIPE WITH PUSH-ON-JOINT FITTINGS AND GASKETED JOINTS - INSTALLED IN PE ENCASEMENT PLAIN-END, DUCTILE-IRON PIPE; GROOVED-JOINT, DUCTILE-IRON-PIPE ACCESSORIES; AND GROOVED JOINTS - INSTALLED IN PE ENCASEMENT
UNDER-BUILDING-SLAB DOMESTIC WATER PIPING	HARD COPPER TUBE - ASTM B 88, TYPE L (ASTM B 88M, TYPE A)	
ABOVE GROUND DOMESTIC WATER PIPING	GALVANIZED STEEL WITH GRAY-IRON WITH THREADED ENDS HARD COPPER TUBE - ASTM B 88, TYPE L (ASTM B 88M, TYPE A) PEX TUBE WITH CRIMPED JOINTS	GALVANIZED PIPE WITH THREADED OR GROOVED JOINTS HARD COPPER TUBE - ASTM B 88, TYPE L (ASTM B 88M, TYPE A)
FLEXIBLE CONNECTORS	CORRUGATED BRONZE TUBING WITH WIRE-BRAID COVERING; WORKING PRESSURE RATING OF 200 PSIG; PLAIN ENDS. CORRUGATED STAINLESS-STEEL TUBING WITH WIRE-BRAID COVERING; WORKING PRESSURE OF 200 PSIG WITH THREADED ENDS	CORRUGATED STAINLESS-STEEL TUBING WITH WIRE-BRAID COVERING; WORKING PRESSURE OF 200 PSIG WITH FLANGED ENDS
1. JOIN DISSIMILAR MATERIALS WITH DIELECTRIC FITTINGS 2. INSTALL FLEXIBLE CONNECTORS TO SUCTION AND DISCHARGE OF WATER PUMPS 3. INSTALL SUPPLY PIPING LEVEL AND PLUMB UNLESS INDICATED OTHERWISE AND WITH RIGHT ANGLES PARALLEL TO WALLS 4. INSTALL SCH. 40 PVC PIPE SLEEVES FOR PIPING PASSING THROUGH FLOORS, ROOFS, AND WALLS. INSTALL FLUSH EXCEPT IN MECHANICAL ROOMS AND THEN EXTEND 2" ABOVE THE FINISHED FLOOR. 5. IF APPLICABLE, MAINTAIN FIRE RATING ABOVE PIPE PENETRATIONS		

VALVES	
	<p>2" & SMALLER</p> <p>SHUT-OFF VALVE: BALL</p> <p>THROTTLING SERVICE: BUTTERFLY</p> <p>HOT WATER - BALANCING: GLOBE OR BUTTERFLY</p> <p>DRAIN DUTY: MEMORY STOP VALVE</p>
	<p>2 1/2" & BIGGER</p> <p>HOSE-END DRAIN VALVES</p>
COMPRESSED AIR	<p>BRONZE OR BRASS - SOLDERED OR THREADED</p> <p>IRON VALVES - THREADED OR FLANGED</p>
	<p>BALL - TWO OR THREE PIECE; FULL PORT BRASS OR BRONZE WITH BRASS TRIM</p> <p>IRON, GROOVED BUTTERFLY - 300 CWP</p>
	<p>BRONZE LIFT CHECK - CLASS 125 WITH BRONZE DISC</p> <p>IRON SWING CHECK VALVES - CLASS 250, WITH METAL OR NONMETALLIC-TO-METAL SEATS</p>
	<p>BRONZE SWING CHECK VALVE - CLASS 150, BRONZE DISC</p> <p>IRON, GROOVED-END SWING CHECK VALVES - 300 CWP</p>
	<p>BRONZE GATE VALVES - CLASS 150, NON-RISING STEM OR RISING STEM</p> <p>IRON GATE VALVES - CLASS 250, NON-RISING STEM OR OS&Y</p>
HOT & COLD WATER	<p>BRONZE OR BRASS - SOLDERED OR THREADED</p> <p>IRON VALVES - THREADED OR FLANGED</p>
	<p>BALL - TWO OR THREE PIECE; FULL PORT BRASS OR BRONZE WITH BRASS TRIM</p> <p>IRON, GROOVED BUTTERFLY - 300 CWP</p>
	<p>BRONZE SWING CHECK VALVE - CLASS 150, BRONZE DISC</p> <p>IRON SWING CHECK VALVES - CLASS 250, WITH METAL OR NONMETALLIC-TO-METAL SEATS</p>
	<p>BRONZE GATE VALVES - CLASS 150, NON-RISING STEM OR RISING STEM</p> <p>IRON, GROOVED-END SWING CHECK VALVES - 300 CWP</p>
	<p>BRONZE GLOBE VALVE - CLASS 125, BRONZE DISC</p> <p>IRON GATE VALVES - CLASS 250, NON-RISING STEM OR OS&Y</p>
	<p>IRON GLOBE VALVE - CLASS 125</p>

1. DO NOT ATTEMPT TO REPAIR DAMAGED VALVES

2. INSTALL VALVES TO ALLOW FOR SERVICE

3. INSTALL VALVE STEMS AT OR ABOVE CENTER OF HORIZONTAL PIPE

4. INSTALL TO ALLOW FOR FULL STEM MOVEMENT

SEWER AND VENT PIPING		
	4" AND SMALLER	6" AND BIGGER
ABOVEGROUND SOIL AND WASTE PIPING	HUBLESS, CAST-IRON, CISPI COUPLINGS AND COUPLED JOINTS SOLID WALL PVC	HUBLESS, CAST-IRON, CISPI COUPLINGS AND COUPLED JOINTS SOLID WALL PVC
ABOVEGROUND VENT PIPING	HUBLESS, CAST-IRON, CISPI COUPLINGS AND COUPLED JOINTS SOLID WALL PVC	HUBLESS, CAST-IRON, CISPI COUPLINGS AND COUPLED JOINTS SOLID WALL PVC
UNDERGROUND SOIL AND WASTE PIPING	HUBLESS, CAST-IRON, CISPI COUPLINGS AND COUPLED JOINTS SOLID WALL PVC	HUBLESS, CAST-IRON, CISPI COUPLINGS AND COUPLED JOINTS SOLID WALL PVC
ABOVEGROUND SANITARY SEWER FORCE MAIN	GALVANIZED-STEEL PIPE, PRESSURE FITTINGS AND THREADED JOINTS	GROOVED-END, GALVANIZED-STEEL PIPE
1. JOIN DISSIMILAR MATERIALS WITH DIELECTRIC FITTINGS 2. IF APPLICABLE, MAINTAIN FIRE RATING AROUND PIPE PENETRATIONS		

HANGER SPACING												
	3/4"	1	1 1/4	1 1/2	2	2 1/2	3	4	6	8	10-12	VERTICAL SPACING
COPPER TUBING	5 (3/8" ROD)	6 (3/8" ROD)	6 (3/8" ROD)	8 (3/8" ROD)	8 (3/8" ROD)	9 (1/2" ROD)	10 (1/2" ROD)	10 (1/2" ROD)	10 (5/8" ROD)	10 (3/4" ROD)		SUPPORT VERTICAL PIPE EVERY 10'
STEEL PIPING	7 (3/8" ROD)	7 (3/8" ROD)	9 (3/8" ROD)	9 (3/8" ROD)	11 (3/8" ROD)	12 (1/2" ROD)	12 (1/2" ROD)	12 (5/8" ROD)	12 (3/4" ROD)	12 (7/8" ROD)		SUPPORT VERTICAL PIPE EVERY 15'
PEX	32 (3/8" ROD)	32 (3/8" ROD)	32 (3/8" ROD)	32 (3/8" ROD)	32 (3/8" ROD)							SUPPORT VERTICAL PIPE EVERY 48"
CAST IRON DRAINAGE PIPING							5 (1/2" ROD)	5 (5/8" ROD)	5 (3/4" ROD)	5 (3/4" ROD)	5 (7/8" ROD)	SUPPORT VERTICAL PIPE EVERY 15'
PVC DRAINAGE PIPING				4 (3/8" ROD)	4 (3/8" ROD)		4 (1/2" ROD)	4 (5/8" ROD)	4 (3/4" ROD)	4 (3/4" ROD)	4 (7/8" ROD)	SUPPORT VERTICAL PIPE EVERY 4'
CORRUGATED STAINLESS STEEL TUBING		7 (3/8" ROD)										

1. SUPPORT ALL OTHER PIPING AND TUBING PER MSS SP-69

HANGER SPACING

[illegible]

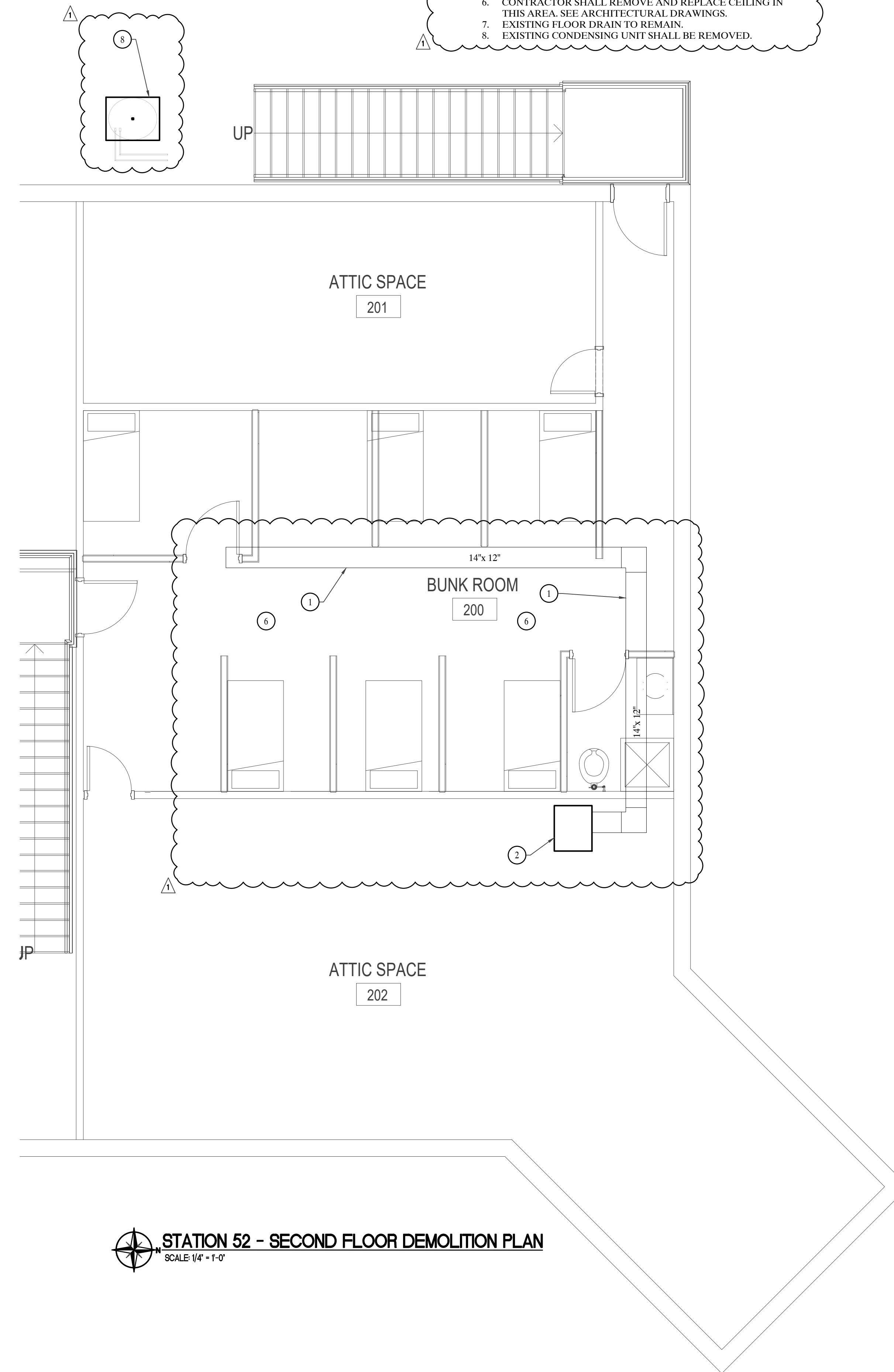
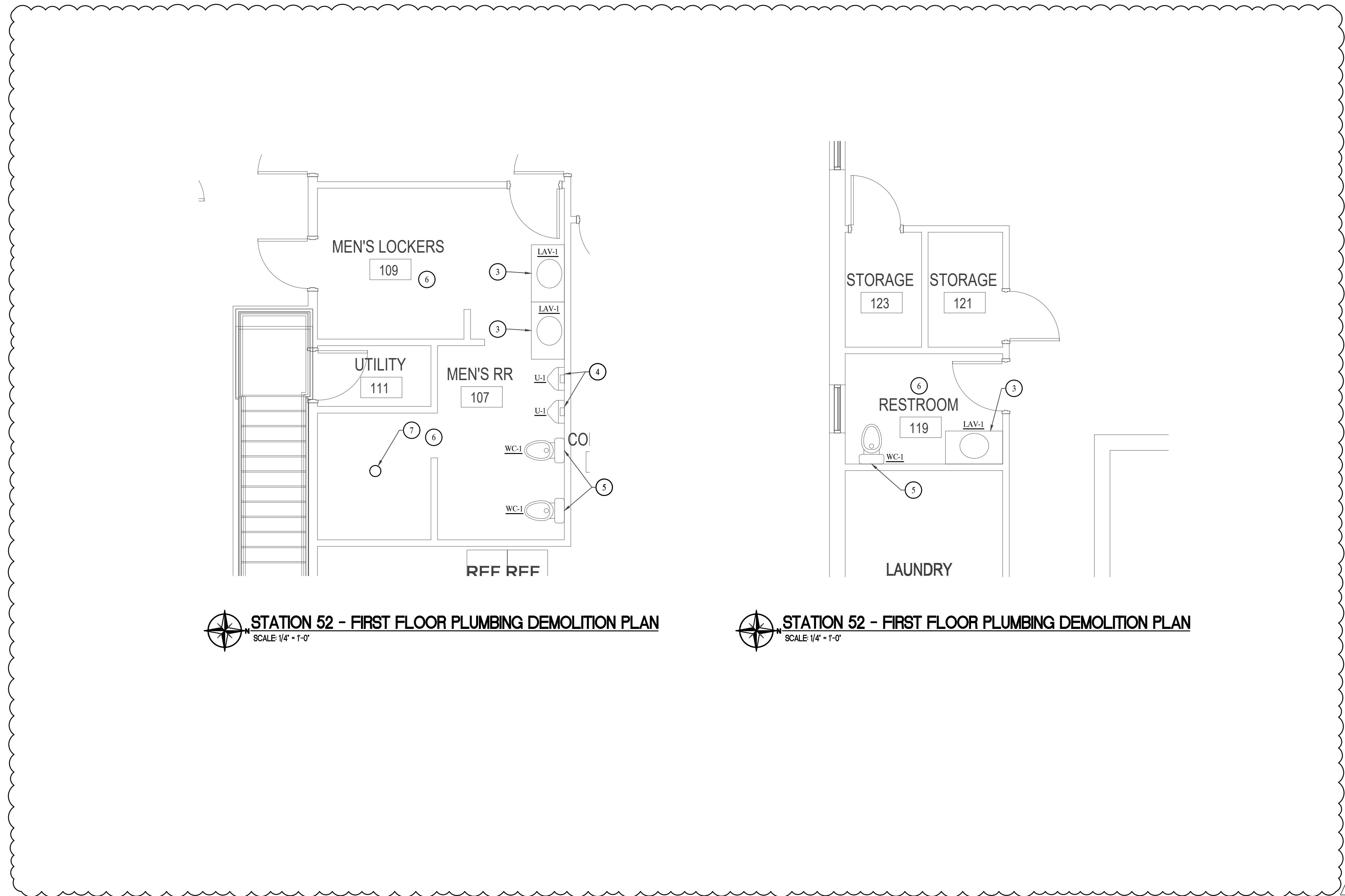
<div>FORGE ARCHITECTURE</div>		
<div></div>		
<div><div>DAE</div><div>DESIGN-AIRE ENGINEERING, INC. 2075 RALPH ROAD SUITE 100 WOODBRIDGE, ONTARIO L4L 1C1 phone (317) 464-0092 fax (317) 464-9393 Email: info@daeinc.com www.daeinc.com Mechanical, Electrical, and Energy Engineering</div></div>		
<div>PROJECT: WHITE RIVER TOWNSHIP FIRE STATION #52 REMODEL BID SET GREENWOOD, IN</div>		
<div>SCOPE DRAWINGS: These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural details and the type of structure, mechanical and electrical systems. The drawings do not necessarily indicate or describe all work required for full performance and completion of the requirements of the contract. The drawings are not necessarily intended to represent the trade contractors full terms of items required for the proper installation and completion of the work.</div>		
<div>REVISONS: 02/15/2024 - ADDENDUM 01</div>		
<div>ISSUE DATE 02/08/2024</div>	<div>DRAWN BY DAE</div>	<div>CHECKED BY WS</div>
<div>DRAWING TITLE: MECHANICAL AND PLUMBING SCHEDULES</div>		
<div><div><div>CERTIFIED BY:</div><div><div><i>William J. Sadowski</i></div></div></div><div><div>DRAWING NUMBER</div><div>MP002</div></div><div><div>PROJECT NUMBER</div><div>23096</div></div></div>		

GENERAL NOTES:

- REMOVE EXISTING DEVICES THAT ARE TO REMAIN AND REINSTALL IN FINISHED WALL. VERIFY THAT DEVICES ARE FUNCTIONING.
- EXISTING FIRE ALARM DEVICES ARE TO REMAIN OR REUSED.
- REMOVE ALL EXISTING LIGHT FIXTURES. EXISTING LIGHTING CIRCUITS SHALL REMAIN TO FEED NEW LIGHT FIXTURES.
- REMOVE ALL EXISTING RECEPTACLES. EXISTING RECEPTACLE CIRCUITS SHALL REMAIN TO FEED NEW RECEPTACLES.

KEYED DEMOLITION PLAN NOTES:

- REMOVE DUCT WORK AND GAS LINES BACK TO MAIN.
- REMOVE FURNACE AND FURNACE FLUE. PROVIDE PATCHING AS REQUIRED.
- CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING LAVATORY. NEW LAVATORY LAV-1 SHALL BE INSTALLED AND RECONNECTED.
- CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING URINAL. NEW URINAL U-1 SHALL BE INSTALLED AND RECONNECTED.
- CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING WATER CLOSET. NEW WATER CLOSET WC-1 SHALL BE INSTALLED AND RECONNECTED.
- CONTRACTOR SHALL REMOVE AND REPLACE CEILING IN THIS AREA. SEE ARCHITECTURAL DRAWINGS.
- EXISTING FLOOR DRAIN TO REMAIN.
- EXISTING CONDENSING UNIT SHALL BE REMOVED.



STATION 52 - SECOND FLOOR DEMOLITION PLAN
SCALE 1/4" = 1'-0"

PROJECT MANUAL

White River Township Fire Station #52 Remodel

Greenwood, IN

Forge Architecture

PROJECT NO.: 23007

ISSUE TYPE: Bid Set - Addendum 01

ISSUE DATE: February 16, 2024

DIVISION 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS

000110 - Table of Contents
000510 - Project Manual User Guide
001113 - Notice to Bidders
002113 - Instructions to Bidders – AIA Document A701
002213 - Supplementary Instructions to Bidders
002313 - Compliance With House Enrolled Act 1019 Public Law 252-2015
003113 - Preliminary Construction Schedule
004300 - Standard Forms
004300A - Bidder Checklist
Contractor's Bid for Public Work - Form 96
004300B - W-9 Form
004300C - Start-Up Checklist
004300D - Safety Certification Letter
004300E - Safety Plan
004313 - Bid Bond – AIA Document A310
004336 - Subcontractor and Material List
005213 - Agreement Between Owner and Contractor – AIA Document A101
005215 - Payment and Performance Bonds – AIA Document A312
005400 - Escrow Agreement
006216 - Certificate of Insurance
007200 - General Conditions of the Contract – AIA Document A201

DIVISION 01 GENERAL REQUIREMENTS

011000 - Summary of Work
012200 - Allowances
012300 - Alternates
012500 - Substitution Procedure
012600 - Change Order Procedure
012900 - Application for Payment
012973 - Schedule of Values
013119 - Project Meetings
013300 - Submittal Procedures
014000 - Quality Requirements
014100 - Project Work Rules
014113 - Applicable Codes
014200 - References
014529 - Testing Laboratory Services
015000 - Construction Facilities and Temporary Controls
015723 - Temporary Storm Water Pollution Control
016000 - Product Requirements
016005 - Products and Substitutions
017326 - Alterations Project Procedure
017329 - Cutting and Patching
017413 - Construction Cleaning
017423 - Final Cleaning
017500 - Starting of Systems
017700 - Project Closeout
017823 - Operation and Maintenance Data
017839 - Project Record Documents

DIVISION 02 - EXISTING CONDITIONS

024119 - Selective Demolition

DIVISION 03

033053 - Miscellaneous Cast-In-Place Concrete

DIVISION 05 - METALS

050560 - Welding

055000 - Metal Fabrications

DIVISION 06 - WOOD, PLASTICS, AND COMPOSITES

060573.33 - Preservative Wood Treatment

061000 - Rough Carpentry

DIVISION 07 - THERMAL AND MOISTURE PROTECTION

072116 - Batt and Blanket Insulation

079200 - Joint Sealants

079219 - Acoustical Joint Sealants

DIVISION 08 - OPENINGS

081113 - Steel Doors and Frames

081416 - Flush Wood Doors

083713 - Pet Doors

085413 - Fiberglass Windows

087100 - Door Hardware

088000 - Glazing

DIVISION 09 - FINISHES

090561 - Common Work Results for Flooring Preparation

092800 - Backing Boards and Underlayments

092900 - Gypsum Board

093013 - Tiling

095113 - Lay-In Acoustical Panel Ceilings

095300 - Acoustical Ceiling Suspension Systems

096513 - Resilient Base and Accessories

096514 - Resilient Stair Accessories

~~096519 - Resilient Tile Flooring (deleted by Addendum 01)~~

096568 - Athletic Fitness Room Flooring

096723 - Resinous Flooring

096813 - Tile Carpeting

099000 - Painting and Coating

DIVISION 10 – SPECIALTIES

~~101423 - Panel Signage (deleted by Addendum 01)~~

102113 - Toilet Compartments

102813 - Toilet Accessories

104413 - Fire Protection Cabinets

104416 - Fire Extinguishers

DIVISION 12 - FURNISHINGS

123530 - Residential Casework (revised by Addendum 01)

123600 - Countertops

~~DIVISION 31 – EARTHWORK~~

~~313116 - Termite Control (deleted by Addendum 01)~~

DIVISION 32 - EXTERIOR IMPROVEMENTS
321313 - Concrete Paving

OTHER DIVISIONS - SEE DRAWINGS

Fire Protection

Plumbing

Mechanical

Electrical

END OF DOCUMENT

THIS PAGE INTENTIONALLY LEFT BLANK

SECTION 123600 - COUNTERTOPS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. ~~Plastic laminate countertops.~~
 - 2. Solid surfacing countertops.

1.2 DEFINITIONS

- A. Definitions, General: As defined by AWI.
- B. Terminology for Surface Visibility: As defined by AWI.

1.3 ADMINISTRATIVE REQUIREMENTS

- A. Coordinate with the Work of other Sections for sequencing and scheduling to avoid delays.
 - 1. Section 061000 for backing and attachments as necessary for casework and bracket supports at open casework.
- B. Pre-Installation Conference: Comply with Division 01 requirements, and the following:
 - 1. Attendance: Contractor, millwork fabricator/installer, Owner, Architect, and those representing work of related Sections and as requested to attend.
 - 2. Meeting Time: Minimum 3 weeks prior to beginning work of this Section and work of related Sections affecting work of this Section.
 - 3. Location: Project Site.

1.4 ACTION SUBMITTALS

- A. Shop Drawings:
 - 1. Woodwork locations on large scale plans and elevations.
 - 2. Cross sections, joint details, dimensions, tolerances, and clearances.
 - 3. Fastening methods.
 - 4. Blocking requirements for anchor placement, and utility/service requirements and locations.
 - 5. Show each type of finish.
 - 6. Include AWI Quality Certification Program label.
- B. Product Data: Published brochures are acceptable in lieu of Shop Drawings where specifically applicable to provisions of Contract Documents. Include AWI Quality Certification Program certificate.
- C. Samples:
 - 1. Plastic laminate showing specified finishes and colors.
 - 2. Plastic edge banding Samples of each type and color.
 - 3. Grommets Samples of each type and color.

1.5 QUALITY ASSURANCE

- A. Fabricator/Installer Qualifications:
 - 1. Minimum 10 years documented experience fabricating and installing architectural wood casework for successful projects of similar scope, type, and complexity, with capacity to provide required woodwork without causing delay in work.
 - 2. Single Source Responsibility: Furnish and install work of this Section by or under direction of woodwork manufacturer/fabricator.
- B. Mockups: Install in accordance with Division 01 requirements for mockups, and the following:
 - 1. Full size mockup of each type of countertop.
 - 2. Locate where directed by Owner or Owner.

3. Verify mockup complying with manufacturer's instructions and Contract Documents. Make adjustments where not in conformance.
4. Protect and maintain accepted mockup as standard of quality for work of this Section.
5. Incorporate accepted mockup into work of this Section.

C. Field Measurements: Verify field dimensions prior to beginning shop drawings and other work of this Section.

PART 2 - PRODUCTS

2.1 MANUFACTURERS, GENERAL

- A. Where Manufacturers/Products are Specified: Provide specified manufacturers/products, or Owner-approved substitution.
- B. Approved Substitutions: Architect-approved equal products submitted as specified for substitutions.

2.2 INTERIOR ARCHITECTURAL WOODWORK, GENERAL

- A. Quality Standard: Unless otherwise indicated, comply with AWI Standards for grades of interior architectural woodwork, fabrication, installation, finishes and other requirements. Provide Custom Grade work.

2.3 REGULATORY REQUIREMENTS

- A. Accessibility: Comply with ADA, ANSI 117.1, and provisions of regulatory authority having jurisdiction.

2.4 PERFORMANCE / DESIGN CRITERIA

- A. Meet or exceed AWI Standards for woodwork, including appendices, and provisions of Contract Documents.
- B. Single Source Responsibility: Fabricate and install woodwork under responsibility of single woodwork manufacturer/fabricator/installer.
- C. Urea Formaldehyde Content in Manufactured Cellulous Based Products: No added urea formaldehyde (NAUF) is permitted within glues, adhesives, binders, and other additives. Do not exceed urea formaldehyde emissions greater than that occurring naturally in wood.

2.5 WOOD MATERIALS

- A. Moisture Content:
 1. Kiln dried or air dried to 5 percent. 10 percent maximum when delivered to site.

2.6 PARTICLEBOARD

- A. Particleboard Core: AWS Industrial Grade, ANSI A208.1 MD-2, Medium Density Particleboard with average 45 pound per cubic foot density, and moisture content of 8 percent to 12 percent.

2.7 MEDIUM DENSITY FIBERBOARD (MDF) PANELS

- A. Comply with AWS, ANSI A208.2 Product Class MD, Industrial Grade, 40 to 50 pound density.
 1. Formaldehyde Content: No added urea formaldehyde (NAUF).
- B. Panels: Medite, Medite II, or Arreis. No added urea formaldehyde (NAUF).
- C. Moisture Resistant (MR) Panels: Medite, Medex, No added urea formaldehyde (NAUF). Use as core for countertops subject to moisture conditions, such as those with sink cutouts and windowsills.

~~2.8 PLASTIC LAMINATE MATERIALS~~

- A. ~~Products: Provide products from one of the following, or Owner approved substitution.~~
 - ~~1. Formica Corp. a Broadview Holding company.~~
 - ~~2. Wilsonart~~

~~3. Panolam Surface Systems: Pionite or Nevamar.~~

B. ~~High Pressure Decorative Laminate (HPDL): Meet or exceed NEMA LD3 standards for High Pressure Plastic Laminate with low glare, fine textured finish. Manufacturer's product and colors as selected by Owner.~~

~~1. Horizontal Grade NEMA HGS, 0.048 inch thick.~~

~~2. Vertical Grade NEMA VGP, 0.028 inch thick.~~

C. ~~Post-Forming Grades Plastic Laminate: Provide in lieu of Horizontal and Vertical Grades where post forming is indicated.~~

~~1. Horizontal NEMA HGP, 0.039 inch thick.~~

~~2. Vertical NEMA VPG, 0.028 inch thick.~~

D. ~~Cabinet Liner: NEMA CLS, 0.020 inch thick, melamine laminate.~~

E. ~~Cabinet Backer: NEMA BKL, 0.020 inch thick.~~

2.9 SOLID SURFACING

A. Products: Provide products from one of the following, or approved substitution.

1. Aristech Surfaces: Avonite Surfaces.

2. DuPont: Corian.

3. Formica, a Broadview Holding company: Solid Surfacing.

4. Wilsonart: Gibraltar.

B. Solid cast homogeneous modified polymer acrylic resin with uniform coloring throughout thickness of each panel and fire retardant fillers, complying with ISSFA-2.

1. Flame spread and smoke developed meeting or exceeding IBC or UL Class A.

2. Thickness 1/4 inch for vertical surfaces and 1/2 inch for horizontal surfaces.

C. Color, Pattern, and Finish: As selected by Owner from manufacturer's full range.

~~2.10 PLASTIC LAMINATE COUNTERTOPS~~

A. ~~Meet or exceed NEMA LD3 standards for High Pressure Plastic Laminate with low glare, fine textured finish.~~

B. ~~High Pressure Decorative Laminate (HPDL) Countertops: Horizontal Grade, NEMA HGS, 0.048 inch thick.~~

C. ~~Cabinet Liner: NEMA CLS, 0.020 inch thick, melamine laminate.~~

~~2.11 PLASTIC EDGE BANDING~~

A. ~~Material: ABS or polypropylene.~~

B. ~~Typical Plastic Edge Banding: Provide at plastic laminated faced casework edges.~~

~~1. Exposed Edges 3 mm (1/8 inch) thick.~~

~~2. Semi-Exposed Edges: 0.02 inch thick.~~

~~3. Concealed Edges No banding.~~

~~4. Trim edges and corners and buff smooth, same thickness as edge.~~

C. ~~Upturned Plastic Edge Banding: 3mm by 1-3/16 inch. Provide at open shelves.~~

D. ~~Adhere with hot melt waterproof adhesive under heat and pressure.~~

2.12 HARDWARE:

A. Wire Access Grommets:

1. Manufacturers: Provide products from the following, or approved substitution.

a. Mockett

2. Plastic grommet with slotted cap, 2-3/8 inch diameter.

3. Design to accommodate plugs up to 2-1/4 inches such as computer peripheral and business machine plugs.

4. Colors: As selected by Owner from manufacturer's available colors.

- B. Counter Support Bracket: Manufacturer's standard shelf angle, welded construction, minimum 15 gauge by 1-1/2 inch tube steel or 1/4 inch flat bar. Support counters exceeding 36-inch span.
 - 1. Horizontal Leg: Less 3-inch width of counter.
 - 2. Vertical Leg: Minimum 18 inch deep.
 - 3. Leg Brace: 1/4 inch thick by 1-1/2 inch flat bar gusset plate at 45 degree angle, 6 inch out.
 - 4. Continuous blocking at back of support bracket.

2.13 COUNTERTOP AND BACKSPLASH FABRICATION

- A. ~~Plastic Laminate Countertop and Backsplash:~~
 - ~~1. Core: 3/4 inch thick MDF with 1/2 inch thick buildup at edges and spans exceeding 36 inch.~~
 - ~~a. Moisture resistant core at sink countertops and where subject to moisture.~~
 - ~~2. Plastic Laminate Face Sheet Horizontal Grade HPDL.~~
 - ~~3. Backing Sheet: Liner Grade at countertops and backsplashes.~~
 - ~~4. Plastic Edge Banding: 1 1/4 inch face exposure at countertop edge. Scribe to wall at top edge of back splash.~~
- B. Solid Surfacing: 1/2 inch thickness.
- C. Backsplash: 4 inch high by 1 deep.

2.14 ACCESSORIES

- A. Woodwork Adhesive: Water-resistant, AWI Quality Standards Type I or Type II, applicable for intended use.
- B. Plastic Laminate Adhesives: EPA VOC compliant, as instructed by manufacturer.
- C. Exposed Fasteners and Washers:
 - 1. Stainless steel screw and matching finish washer
 - 2. Type W threads for screws penetrating wood and Type S for screws penetrating steel.
 - 3. Phillips, square drive, or spanner head drive.
 - 4. Minimum 1-1/4 inch penetration into wood framing and backing and minimum 3/8 inch penetration into metal stud framing and backing.

2.15 FINISHES

- A. ~~Plastic Laminate Finishes: As selected by Owner from manufacturer's available colors and patterns.~~
- B. ~~Plastic Edge Banding Color:~~
 - ~~1. Match color of adjacent plastic laminate from full selection of manufacturer's color selection, as accepted by Owner.~~
 - ~~2. Match melamine where not adjacent to plastic laminate.~~
- C. Solid Surfacing Finishes: As selected by Owner from manufacturer's available colors, patterns, and finishes.
- D. Grommet Color: Closest color match to countertop, confirmed by Owner's selection from manufacturer's standard colors.
- E. Fasteners: Match finish of hardware item being fastened.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Verify installation conditions as satisfactory to receive work of this Section before beginning.
- B. Verify backing and framing in place for support of wall mounted and wall supported woodwork of this Section.

3.2 PREPARATION

- A. Take measures to protect finishes and surrounding work from woodwork installations.

3.3 INSTALLATION

- A. Grade: Match grade of item to be installed.
- B. Comply with manufacturer's instructions and Contract Documents.
- C. Position and secure in true alignment, level and plumb.
- D. Fasten woodwork backs into solid wall backing or framing using exposed screws and washers matching finish of screws.
- E. Countertops:
 - 1. Install intermediate joints between corners in longest possible length for each top.
 - 2. Maintain joint distance of minimum 24 inch clearance from sink cutout.
 - 3. Where joints cannot be avoided at knee spaces, install additional reinforcing without reducing knee-space clearance.
 - 4. Apply acrylic latex adhesive at each field joint, and tighten together with 1/4 inch drawbolts set into routed bottom face as needed to make flush and hairline.
 - 5. Cut smooth, crack free holes and cutouts with minimum 1/4 inch diameter radius inside corners.
 - 6. Seal exposed edges with waterproof sealant.
 - 7. Install wall ledgers and counter support angles, secured to wall for support of counters spanning over 36 inch and as needed to eliminate deflection at knee-space.
 - 8. Field Installed Backsplash: Fasten with concealed screws at 12 inch center into bed of acrylic resin along entire back edge of countertops.
- F. Make cutouts using templates supplied by work of other trades for plumbing, mechanical, electrical, and communications fixtures and equipment installations into casework. Provide backing as required for secure attachment of fixtures and equipment.
 - 1. Screw to framing by screwing in from back side of stud where possible.
 - 2. Countersink exposed fasteners, using fine finishing nails or screws. Fill holes with wood filler and finish to match woodwork.

3.4 ADJUSTING, CLEANING, AND PROTECTION

- A. Adjust and repair damaged and defective woodwork, or replace to eliminate defects.
- B. Leave installations clean and free from soiling, marks, and other defects.
- C. Take applicable protection measures and maintain conditions in manner acceptable to manufacturer through completion of Project.
- D. Protect countertops with polyethylene, kraft paper, or other protective covering.

END OF SECTION

THIS PAGE INTENTIONALLY LEFT BLANK

