



DURRELL DESIGN GROUP, PLLC

500-G E. WOODROW WILSON AVENUE

JACKSON, MISSISSIPPI 39216

PHONE: 601.708.4788

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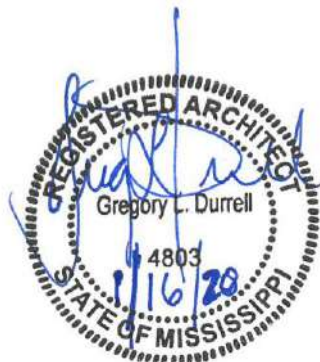
ADDENDUM NUMBER TWO (2)

2018 BOND PROJECT: RESTROOM IMPROVEMENTS FOR JIM HILL HIGH SCHOOL

JACKSON PUBLIC SCHOOL DISTRICT
JACKSON, MISSISSIPPI

January 16, 2020

| | |
|------------------------------|-----------|
| TITLE SHEET | 1 |
| ADDENDUM | 3 |
| ATTACHMENTS | 33 |
| TOTAL NUMBER OF PAGES | 37 |



THIS ADDENDUM, WHICH CONTAINS REVISIONS TO THE WORK CONTAINED IN THE ORIGINAL DRAWINGS AND SPECIFICATIONS DATED **DECEMBER 02, 2019** SHALL BECOME A PART OF SUCH DRAWINGS AND SPECIFICATIONS AS IF BOUND THEREIN, OTHER REQUIREMENTS OF DRAWINGS AND SPECIFICATIONS RELATING TO ITEMS INVOLVED SHALL REMAIN AS SPECIFIED.

THE ABOVE NAMED CONTRACT DOCUMENTS ARE HEREBY MODIFIED, CORRECTED AND/OR SUPPLEMENTED BY THIS ADDENDUM AS FOLLOWS:

FOR INFORMATION ONLY

1. The Bid Opening is at 2pm on January 21, 2020 at the Business Office of the Jackson Public School District, 662 South President Street, Jackson, Mississippi, 39201.

PERTAINING TO THE SPECIFICATIONS:

Item 1: TABLE OF CONTENTS - APPENDIX

ADD Attached Owner provided report – Jim High School Sewer Inspection Report.

Item 2: SECTION 003000 – PROPOSAL FORM

DELETE Section in its entirety and **REPLACE** with Attached Section 003000 – Proposal Form.

Item 3: SECTION 011000 – SUMMARY OF WORK

1. Paragraph 1.03 Description of Work. **DELETE** Items 1 and 2 in its entirety and **REPLACE** with the following:
 1. Field Verification and visual inspection of existing project conditions;
 2. Scope of Work (See plans and specifications for additional information)
 - a. Selective Demolition of Existing Walls, Finishes Fixtures and the provision of new work that includes, but may not be limited to, new walls, finishes with plumbing and electrical improvements.
2. Paragraph 1.06.A.1.c. Critical work Sequence. **DELETE** items “a through e” in its entirety and **REPLACE** with the following:
 - a. Notice to Proceed April 1, 2020
 - b. Substantial Completion July 17, 2020
 - c. Phasing of Work. It is the Owner’s intent to have all base bid work as first priority, assuming alternate scopes are approved. All work related to Alternates, Section 012300, should be completed once first priority items are completed. Contractor to provide an action plan that highlights project execution and performance approach for Architect’s and Owner review.

Item 4: SECTION 012100 – ALLOWANCES

In paragraph 1.04 Allowance Schedule, **ADD** the following:

“B. Janitorial Allowance: Include the stipulated sum/price of \$12,000.00 for the use or Additional hours for the district’s custodial staff.”

Item 5: SECTION 012300 – ALTERNATES

DELETE Section in its entirety and **REPLACE** with Attached Section 012300 – Alternates.

Item 6: SECTION 015000 – TEMPORARY FACILITIES AND CONTROLS

CLARIFICATION. JPS will provide water and electrical at no charge, within reason, as long as the Contractor conveys said water and power from the outlet to the point of use. Power other than normal line voltage must be provided by the Contractor's generator.

Item 7: SECTION 096700 – RESINOUS FLOORING

DELETE Section in its entirety and **REPLACE** with Attached Section 096700 – Resinous Flooring.

Item 8: SECTION 10800 – TOILET ACCESSORIES

In paragraph 2.05A

1. **DELETE** wording that reads as “B-2730” and **REPLACE** with “B-2740”.
2. **DELETE** wording that reads as “B-818615” and **REPLACE** with “B-2112”.
3. **DELETE** wording that reads as “B-2620” and **REPLACE** with “B-262”.

PERTAINING TO THE DRAWINGS:

ARCHITECTURAL

Item 9: SHEET T101 – TITLE SHEET

1. **ADD** attached Drawing A108- RENOVATION ENLARGED PLANS TOILETS (ALTERNATE 4).
2. **ADD** attached Drawing A109- INTERIOR ELEVATION (ALTERNATE 4).

Item 10: SHEET R101 – FLOORPLAN - EXISTING

DELETE Drawing R101 in its entirety and **REPLACE** with attached R101R.

Item 11: SHEET R102 – FLOORPLAN- EXISTING

DELETE Drawing R102 in its entirety and **REPLACE** with attached R102R.

Item 12: SHEET D101 – DEMOLITION PLANS - TOILETS

DELETE Drawing D101 in its entirety and **REPLACE** with attached D101R.

Item 13: SHEET A101 – MASTER FLOOR PLAN FIRST FLOOR- NEW WORK

DELETE Drawing A101 in its entirety and **REPLACE** with attached A101R.

Item 14: SHEET A102 – MASTER FLOOR PLAN SECOND FLOOR- NEW WORK

DELETE Drawing A102 in its entirety and **REPLACE** with attached A102R.

Item 15: SHEET A103 – RENOVATION ENLARGED PLANS TOILETS

DELETE Drawing A103 in its entirety and **REPLACE** with attached A103R.

Item 16: SHEET A104 – REFLECTED CEILING PLANS

DELETE Drawing A104 in its entirety and **REPLACE** with attached A104R.

Item 17: SHEET A105 – INTERIOR ELEVATIONS

DELETE Drawing A105 in its entirety and **REPLACE** with attached A105R.

Item 18: SHEET A106 – INTERIOR ELEVATIONS

DELETE Drawing A106 in its entirety and **REPLACE** with attached A106R.

Item 19: SHEET A107 – INTERIOR ELEVATIONS

DELETE Drawing A107 in its entirety and **REPLACE** with attached A107R.

PLUMBING

Item 20: SHEET P101 – FIRST FLOOR PLAN TOILET RENOVATIONS

DELETE Drawing P101 in its entirety and **REPLACE** with attached P101R.

Item 21: SHEET P102 – SECOND FLOOR PLAN TOILET RENOVATIONS

DELETE Drawing P102 in its entirety and **REPLACE** with attached P102R.

Item 22: SHEET P103 – LARGE SCALE PLANS TOILET RENOVATIONS

DELETE Drawing P103 in its entirety and **REPLACE** with attached P103R.

Item 23: SHEET P104 – PLUMBING FIXTURE AND DETAILS FOR TOILET RENOVATION

DELETE Drawing P104 in its entirety and **REPLACE** with attached P104R.

ELECTRICAL

Item 24: SHEET E101 – ELECTRICAL SYMBOLS, LIGHTING SCHEDULE

DELETE Drawing E101 in its entirety and **REPLACE** with attached E101R.

Item 25: SHEET E201 – OVERALL FIRST AND SECOND FLOOR LOCATION PLANS

DELETE Drawing E201 in its entirety and **REPLACE** with attached E201R.

Item 26: SHEET E202 – ELECTRICAL FLOOR PLANS

DELETE Drawing E202 in its entirety and **REPLACE** with attached E202R.

END OF ADDENDUM ITEMS

BUFORD PLUMBING COMPANY, INC.

MECHANICAL CONTRACTORS

P.O. BOX 8601

JACKSON, MISSISSIPPI 39284-8601

(601) 372-7676
Fax 373-4014



13 September, 2019

**Re: Jim Hill High School
Sewer Inspection Report**

General Observations

1. All Water Closet Carriers in many cases are rusted beyond refurbishment
2. All steel nipples and lavatory arms in wall will need to be replaced
3. All Sanitary Waste and Vent Piping in building and within crawlspace is cast iron, all exterior sewer piping appears to be PVC.
4. All floor drains and associated P-traps serving the toilet areas are either inoperable or leaking.
5. There are very few cleanouts in the sanitary sewer system. New 2-way Cleanouts need to be installed on all sewer lines as they exit the building.
6. There are only two crawlspace access openings – one at the auditorium, and one in the floor under the stairwell across from restroom area 1. Additional openings need to be made to do piping work.
7. The only other cleanout we found outside has a Gatorade bottle in it. I am going to send our men back out to try to get it out and inspect where it goes.

Toilet Area 1

1. Plumbing piping in crawl space serving the restrooms is intact, except for floor drains and p-traps.
2. The 4" and 6" Cast Iron sewer trunk lines from restroom area to exterior of building is intact.
3. There is a sink hole at the North end of the building where the sewer exits. The sewer trunk line is most probably broken at this point, because the camera cable would not go any further.

Toilet Area 2

1. Plumbing piping in crawl space serving the restrooms is intact, except for floor drains and p-traps.
2. The 4" and 6" Cast Iron sewer trunk lines from restroom area to exterior of building is intact.

Toilet Area 3

1. All Sanitary sewer piping in crawlspace needs to be replaced. It is highly corroded, been patched on, and is leaking.
2. All Sanitary sewer piping serving upstairs restrooms needs to be repaired or replaced. It is heavily corroded.
3. Steel Heating and Chilled water piping in this area is lacking insulation and is heavily corroded.

Toilet Area 4

1. Plumbing piping in crawl space serving the restrooms is intact, except for floor drains and p-traps.
2. The 4" Cast Iron sewer trunk lines from restroom area to exterior of building is intact.

Toilet Area 5

1. Plumbing piping in crawl space serving the restrooms is intact, except for floor drains and p-traps.
P-trap in boys restroom is rotted and stopped up.
2. The 4" Cast Iron sewer trunk lines from restroom area to exterior of building is intact.

Toilet Area 6

1. No crawlspace access to this location. May be a slab on grade. FYI: The people on site said they want a washroom at this location.

NOT FOR
 CONSTRUCTION

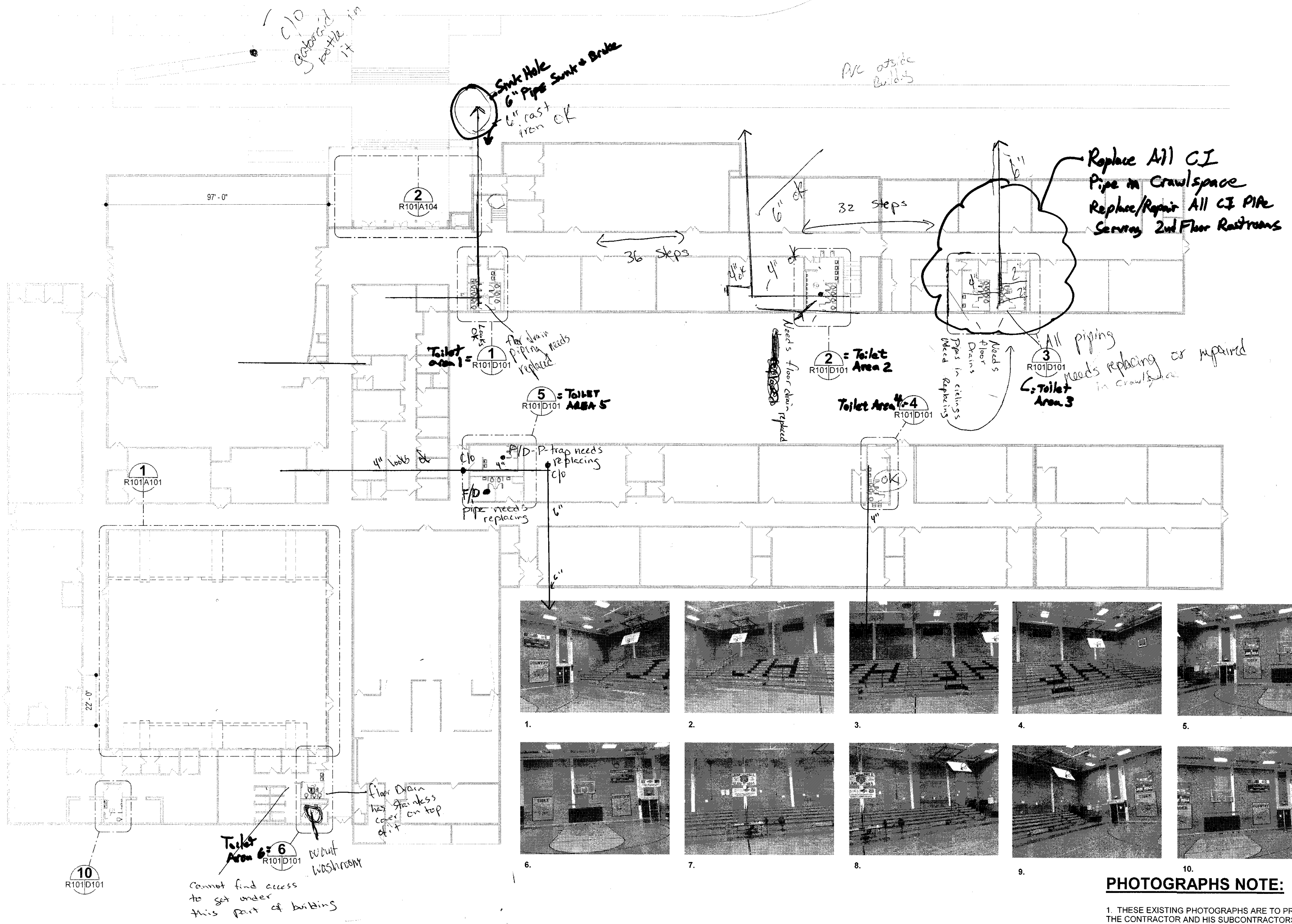
Project
 2018 BOND PROJECT
 JIM HILL HIGH SCHOOL IMPROVEMENTS
 JACKSON PUBLIC SCHOOLS
 JACKSON, MS 39202

Project Number: 19.002
 Date: 08.19.2019
 Drawn by: AE
 Checked by: GD
 Revisions
 1 _____
 2 _____
 3 _____
 Sheet Title

FLOOR PLAN -
 EXISTING

Sheet Number 2 of

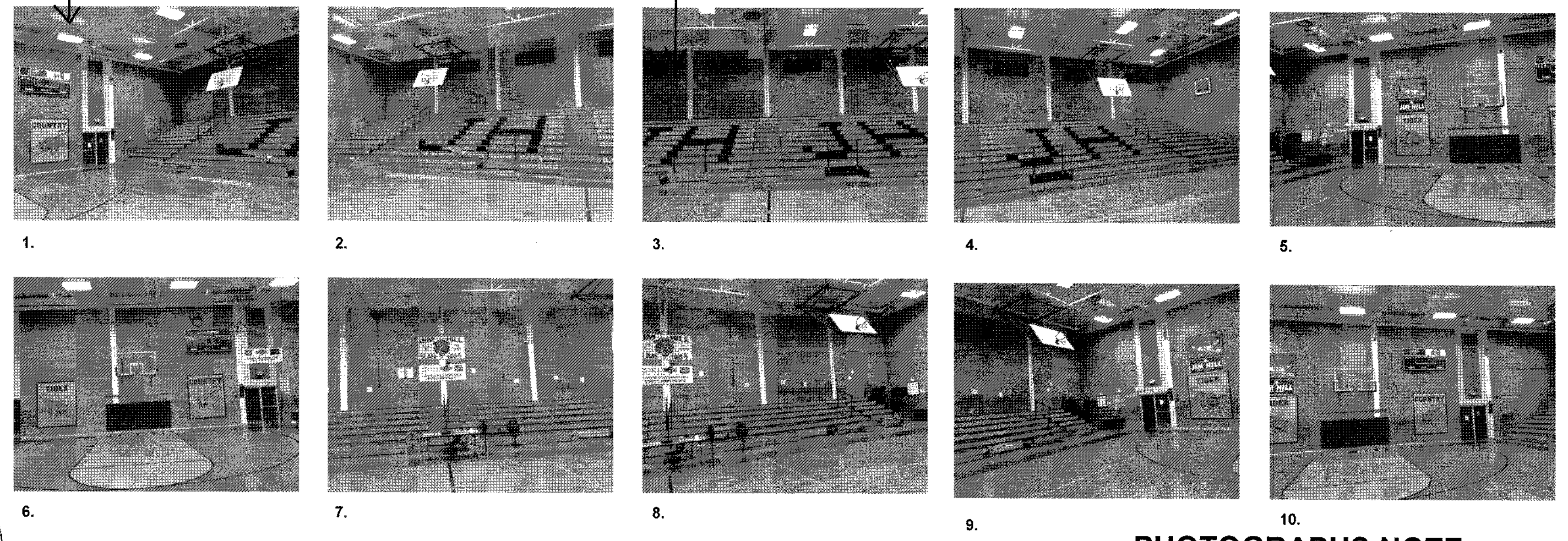
R101



1 FIRST FLOOR PLAN-EXISTING
 R101 1" = 20'-0"



3 PHOTOS
 R101 3/4" = 1'-0"



PHOTOGRAPHS NOTE:

1. THESE EXISTING PHOTOGRAPHS ARE TO PROVIDE THE CONTRACTOR AND HIS SUBCONTRACTORS WITH VISUAL REPRESENTATION OF THE EXISTING CONDITIONS, MATERIALS AND FINISHES. THE PHOTOGRAPHS ARE NOT INTENDED TO BE A SUBSTITUTE FOR THE CONTRACTOR OR HIS SUBCONTRACTORS TO PERFORM THEIR OWN ON-SITE REVIEW OF THE EXISTING CONDITIONS PRIOR TO BIDDING THE PROJECT.

SECTION 003000

PROPOSAL FORM

Date: _____

To: **Board of Trustees, Jackson Public School District, Jackson, Mississippi**

RE: **2018 BOND PROJECT FOR JIM HILL HIGH SCHOOL: RESTROOM
IMPROVEMENTS PROJECT**
(the "Project")

Prepared by: **Durrell Design Group, PLLC, 500-G E. Woodrow Wilson Avenue, Jackson,
MS 39216; Greg L. Durrell, AIA - Principal**

Ladies and Gentlemen:

I/We, having carefully examined the bid specifications and all addenda issued prior to the bid opening date, having visited the Project site and apprised myself/ourselves of the conditions affecting the work to be performed, and having obtained and correlated any other information deemed necessary by me/us to submit this bid, hereby propose to furnish all services and labor, and all supplies, materials and equipment required to complete the work at the cost indicated hereinbelow. I/We will not withdraw this bid for forty-five (45) days from the date of bid opening. If written notice of acceptance of this bid is received by me/us from JPSD within forty-five (45) days after the date of the bid opening, I/we shall submit to the Project Administrator, within ten (10) working days after receipt of such notice, an executed contract and all other documentation required by the bid specifications. **I/We understand and agree that neither the award of this bid to me/us by the District's Board of Trustees nor receipt by me/us of a notice of acceptance of this bid shall constitute the making of a contract between JPSD and me/us, which shall be conditioned upon the execution by BOTH JPSD and me/us of a formal, written AGREEMENT**

Respectfully submitted,

CONTRACTOR NAME: _____

ADDRESS: _____

PHONE NUMBER: _____

SIGNATURE: _____

PRINT NAME: _____

TITLE: _____

DATE: _____

CONTRACTOR'S CERTIFICATE OF RESPONSIBILITY NUMBER, IF REQUIRED:

CONTRACTOR'S LICENSE NUMBER AND EXPIRATION DATE

SURETY NAME AND ADDRESS: _____

Contractor shall indicate the address to which notice of acceptance, notice to proceed and all other written communications relative to the Project shall be transmitted by JPSD.

Address if **mailed**:

Address if **Hand-Delivered**:

State Contractor's form of business organization, i.e. corporation, partnership, limited liability company, etc. If Contractor is a corporation, indicate the state of incorporation. Also, indicate Contractor's domicile. If Contractor is a partnership or form thereof, list the names of all partners:

Contractor is a: ____ Resident Contractor ____ Non-Resident Contractor

Non-Resident Contractors: pursuant to Miss. Code Section 31-3-21, a non-resident contractor must submit with its bid a copy of its resident state's statute pertaining to such state's treatment of non-resident contractors. Failure to submit this information may result in rejection of Contractor's bid or termination of Contractor's contract with the District.

Please select one of these options to help us track minority contractor ownership.

Contractor is: ____Non-Minority ____Minority ____Woman & Minority ____Woman

Indicate if Contractor Has Made Good Faith Efforts to Obtain MBE/WBE Participation

_____ Yes

_____ No

Describe Efforts to Obtain MBE/WBE Participation

(Attach Additional Pages if Necessary)

Acknowledgment of Receipt of Addenda

Contractor shall acknowledge receipt of all addenda issued during the course of this bid process. In addition to acknowledging receipt of addenda, the addenda may require additional information from Contractor (e.g., additional or modified pricing information), in which case the addenda shall not only be acknowledged below but shall be completed and attached to Contractor's bid at the time of submission. Receipt of the following addenda issued during the course of this bid is hereby acknowledged:

| | Number | YES | NO | (check yes or no if received) | |
|----------|--------|-----|----|-------------------------------|--|
| Addendum | | | | Date | |
| Addendum | | | | Date | |
| Addendum | | | | Date | |
| Addendum | | | | Date | |

CONTRACT TIME

If this Bid is accepted, we will complete all work in accordance with the Project Manual and Drawings no later than the 17th day of July, 2020.

COST PROPOSAL

BASE BID: Numerical Amount: \$ _____

Written Amount: \$ _____

ALTERNATES: See section 012300 for complete description of each alternate

ADD ALTERNATE ONE: Renovation of Restrooms in one story area portion of building designated as Wing 2.

Numerical Amount: \$ _____

Written Amount: \$ _____

ADD ALTERNATE TWO: Renovation of Restrooms in one story area portion of building located behind Gymnasium.

Numerical Amount: \$ _____

Written Amount: \$ _____

ADD ALTERNATE THREE: Provide new tile full-height on all walls as indicated on drawings.

A. BASE BID SPACES (Rm 101, Rm 102, Rm 201, Rm 202)

Numerical Amount: \$ _____

Written Amount: \$ _____

B. ALTERNATE ONE SPACES (Rm 105, Rm 106, Rm 107)

Numerical Amount: \$ _____

Written Amount: \$ _____

ADD ALTERNATE FOUR: Provide new millwork and sinks

A. BASE BID SPACES (Rm 101, Rm 102, Rm103, Rm104, Rm 201, Rm 202, Rm 203, Rm 204)

Numerical Amount: \$ _____

Written Amount: \$ _____

B. ALTERNATE ONE SPACES (Rm 105, Rm 106)

Numerical Amount: \$ _____

Written Amount: \$ _____

END OF PROPOSAL FORM

SECTION 012300

ALTERNATES

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Description of Alternates.

1.02 RELATED REQUIREMENTS

- A. Section 001000 - Instruction to Bidders: Instructions for preparation of pricing alternates.
- B. Section 003000 - Proposal Form

1.03 ACCEPTANCE OF ALTERNATES

- A. Alternates quoted on Bid Forms will be reviewed and accepted or rejected at Owner's option. Accepted alternates will be identified in the Owner-Contractor Agreement.
- B. Coordinate related work and modify surrounding work to integrate the work of each alternate.

1.04 SCHEDULE OF ALTERNATES

- A. Add Alternate No. 1: Provide all labor and material for the selective demolition and renovation of the restrooms in Wing 2 as indicated on drawings. All work, including plumbing, mechanical and electrical, related to these restrooms will be included in this alternate.
- B. Add Alternate No. 2: Provide the labor and material for the selective demolition and renovation of the restrooms located behind the gymnasium as indicated on drawings. All work, including plumbing, mechanical and electrical, related to these restrooms will be included in this alternate.
- C. Add Alternate No. 3: Provide all labor and material for the installation of wall tiles on all walls, excluding base bid scope of work. Refer to drawings for locations and heights. Alternate pricing to include a separate breakdown for spaces in base bid (Rm 101, Rm 102, Rm 201, Rm 202) and spaces in alternate No. 1 (Rm 105, Rm 106, Rm 107) scopes of work.
- D. Add Alternate No. 4: Provide all labor and material for the installation of alternative millwork design with drop in vanities in lieu of single wall mounted vanities as indicated on drawings. Refer to drawings for additional information. Alternate pricing to include a separate breakdown for spaces in base bid ((Rm 101, Rm 102, Rm103, Rm104, Rm 201, Rm 202, Rm 203, Rm 204) and alternate No. 1 (Rm 105, Rm 106) scopes of work.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION

SECTION 096700
RESINOUS FLOORING

PART 1 – GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This section includes the following:
 - 1. Quartz flooring system as shown on the drawings and in schedules.

1.3 SYSTEM DESCRIPTION

- A. The work shall consist of preparation of the substrate, the furnishing and application of an epoxy based multi roller applied flooring system with Q 28 colored quartz aggregate and urethane topcoat. The system shall have the color and texture as specified by the Owner with a nominal thickness of 1/8 inch. It shall be applied to the prepared area(s) as defined in the plans strictly in accordance with the Manufacturer's recommendations.
- B. Cove base (if required) to be applied where noted on plans and per manufacturers standard details unless otherwise noted.

1.4 SUBMITTALS

- A. Product Data: Latest edition of Manufacturer's literature including performance data and installation procedures.
- B. Manufacturer's Safety Data Sheet (SDS) for each product being used.
- C. Samples: A 3 inch square sample of the proposed system. Color, texture, and thickness shall be representative of overall appearance of finished system.
- D. See section 01300 (013000) – Administrative Requirements for submittal procedures.

1.5 QUALITY ASSURANCE

- A. The Manufacturer shall have a minimum of 10 years experience in the production, sales, and technical support of epoxy and urethane industrial flooring and related materials.
- B. The Applicator shall have been approved by the flooring system manufacturer in all phases of surface preparation and application of the product specified.
- C. No requests for substitutions shall be considered that would change the generic type of the specified System.
- D. A pre-installation conference shall be held between Applicator, General Contractor and the Owner to review and clarification of this specification, application procedure, quality control, inspection and acceptance criteria and production schedule.

1.6 PRODUCT DELIVERY, STORAGE, AND HANDLING

- A. Packing and Shipping

1. All components of the system shall be delivered to the site in the Manufacturer's packaging, clearly identified with the product type and batch number.

B. Storage and Protection

1. Proper storage area must be provided for all components. The area shall be between 60 F and 90 F, dry, out of direct sunlight and in accordance with the Manufacturer's recommendations and relevant health and safety regulations.
2. Copies of Safety Data Sheets (SDS) for all components shall be kept on site for review by the Engineer or other personnel.

C. Waste Disposal

1. Dispose all for non-hazardous waste generated during installation of the system.

1.7 PROJECT CONDITIONS

A. Site Requirements

1. Application may proceed while air, material and substrate temperatures are between 60 F and 90 F providing the substrate temperature is above the dew point. Outside of this range, the Manufacturer shall be consulted.
2. The relative humidity in the specific location of the application shall be less than 85 % and the surface temperature shall be at least 5 F above the dew point.
3. Provide adequate ventilation for the work area.
4. Provide adequate lighting equal to the final lighting level during the preparation and installation of the system.

B. Conditions of new concrete to be coated with epoxy material.

1. Concrete shall be moisture cured for a minimum of 7 days and have fully cured a minimum of twenty eight days in accordance with ACI-308 prior to the application of the coating system pending moisture tests.
2. Concrete shall have a flat rubbed finish, float or light steel trowel finish (a hard steel trowel finish is neither necessary or desirable).
3. Sealers and curing agents should not to be used.
4. Concrete surfaces on grade shall have been constructed with a vapor barrier to protect against the effects of vapor transmission and possible delamination of the system.

C. Safety Requirements

1. All open flames and spark-producing equipment shall be removed from the work area prior to commencement of application.
2. "No Smoking" signs shall be posted at the entrances to the work area.
3. The Owner shall be responsible for the removal of foodstuffs from the work area.
4. Non-related personnel in the work area shall be kept to a minimum.

1.8 WARRANTY

- A.** Dur-A-Flex, Inc. warrants that material shipped to buyers at the time of shipment substantially free from material defects and will perform substantially to Dur-A-Flex, Inc. published literature if used in accordance with the latest prescribed procedures and prior to the expiration date.

- B. Dur-A-Flex, Inc. liability with respect to this warranty is strictly limited to the value of the material purchase.

PART 2 – PRODUCTS

2.1 FLOORING

- A. Dur-A-Flex, Inc, Dur-A-Quartz, Epoxy-Based seamless flooring system. Contact: Robert Jongema 615-585-2004 robertj@dur-a-flex.com.
1. System Materials:
 - a. Primer: Dur-A-Flex, Inc, Dur-A-Glaze #4 resin and WB hardener.
 - b. Broadcast Coats: Dur-A-Flex, Inc, Dur-A-Glaze #4 resin and hardener.
 - c. The quartz aggregate shall be Dur-A-Flex, Inc. Q-28 colored quartz aggregate.
 - d. Grout coat: Dur-A-Flex, Inc. Dur-A-Glaze #4 resin and Water Clear hardener.
 - e. 2ND Grout coat: Dur-A-Flex, Inc. Dur-A-Glaze #4 resin and Water Clear hardener.
 - f. Topcoat: Dur-A-Flex, Inc. Armor Top resin and hardener.
 2. Patch Materials
 - a. Shallow Fill and Patching: Use Dur-A-Flex, Inc. Dur-A-Glaze #4 Cove Rez.
 - b. Deep Fill and Sloping Material (over ¼ inch): Use Dur-A-Flex, Inc. Dur-A-Crete.

2.2 MANUFACTURER

- A. Dur-A-Flex, Inc., 95 Goodwin Street, East Hartford, CT 06108, Phone: (860) 528-9838, Fax: (860) 528-2802
- B. Manufacturer of Approved System shall be single source and made in the USA.

2.3 PRODUCT REQUIREMENTS

- | | |
|--|-------------------------------|
| A. Primer | Dur-A-Glaze #4 WB |
| 1. Percent Solids | 56 % |
| 2. VOC | 2 g/L |
| 3. Bond Strength to Concrete ASTM D 4541 | 550 psi, substrates fails |
| 4. Hardness, ASTM D 3363 | 3H |
| 5. Elongation, ASTM D 2370 | 9 % |
| 6. Flexibility (1/4: Cylindrical mandrel), ASTM D 1737 | Pass |
| 7. Impact Resistance, MIL D-2794 | >160 |
| 6. Abrasion Resistance ASTM D 4060, CS 17 wheel, 1,000 g Load | 30 mg loss |
| B. Broadcast Coat and Grout Coat | Dur-A-Glaze #4 |
| 1. Percent Solids | 100 % |
| 2. VOC | 0 g/L |
| 3. Compressive Strength, ASTM D 695 | 11,200 psi |
| 4. Tensile Strength, ASTM D 638 | 2,100 psi |
| 5. Flexural Strength, ASTM D 790 | 5,100 psi |
| 6. Abrasion Resistance, ASTM D 4060 C-10 Wheel, 1,000 gm load, 1,000 cycles | 29 mg loss |
| 7. Flame Spread/NFPA-101, ASTM E 84 | Class A |
| 8. Impact Resistance MIL D-24613 delamination | 0.0007 inches, no cracking or |

| | | | | |
|---|-------|-------|--|-------------------------------|
| 9. Water Absorption. MIL D-24613 | | | | Nil |
| 10. Potlife @ 70 F | | | | 20 minutes |
| C. Topcoat | | | | Armor Top |
| 1. Percent Solids | | | | 95 % |
| 2. VOC | | | | 0 g/L |
| 3. Tensile Strength, ASTM D 2370 | | | | 7,000 psi |
| 4. Adhesion, ASTM 4541 | | | | Substrate Failure |
| 5. Hardness, ASTM D 3363 | | | | >4H |
| 6. 60° Gloss ASTM D 523 | | | | Gloss 70+/-10 / Satin 50+/-10 |
| 7. Abrasion Resistance, ASTM D4060 | Gloss | Satin | | |
| CS 17 wheel (1,000 g load) 1,000 cycles | 4 | 8 | | mg loss with grit |
| | 10 | 12 | | mg loss without grit |
| 8. Pot Life, 70 F, 50% RH | | | | 45 mins |
| 9. Full Chemical Resistance | | | | 7 days |

PART 3 – EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas and conditions, with Applicator present, for compliance with requirements for maximum moisture content, installation tolerances and other conditions affecting flooring performance.
 1. Verify that substrates and conditions are satisfactory for flooring installation and comply with requirements specified.

3.2 PREPARATION

A. General

1. The substrate is existing floor tile, the floor must be shallow patched with Dura- Flex Cove Rez product to fill in tile grout lines. New and existing surfaces shall be free of oil, grease, curing compounds, loose particles, moss, algae growth, laitance, friable matter, dirt, and bituminous products.
2. Moisture Testing: Perform tests recommended by manufacturer and as follows.
 - a. Perform relative humidity test using is situ probes, ASTM F 2170. Proceed with installation only after substrates have a maximum 75% relative humidity level measurement.
 - b. If the vapor emission exceeds 75 % relative humidity or 3 lbs/1,000 sf/24 hrs then Dur-A-Flex, Inc Dur-A-Glaze MVP Primer moisture mitigation system must be installed prior to resinous flooring installation. Slab-on grade substrates without a vapor barrier may also require the moisture mitigation system.
3. There shall be no visible moisture present on the surface at the time of application of the system. Compressed oil-free air and/or a light passing of a propane torch may be used to dry the substrate.
4. Mechanical surface preparation
 - a. Shot blast all surfaces to receive flooring system with a mobile steel shot, dust recycling machine (Blastrac or equal). All surface and embedded accumulations of paint, toppings hardened concrete layers, laitance, power trowel finishes and other similar surface characteristics shall be completely removed leaving a bare concrete surface having a minimum profile of CSP 4-5 as described by the International Concrete Repair Institute.

- b. Floor areas inaccessible to the mobile blast machines shall be mechanically abraded to the same degree of cleanliness, soundness and profile using diamond grinders, needle guns, bush hammers, or other suitable equipment.
- c. Where the perimeter of the substrate to be coated is not adjacent to a wall or curb, a minimum 1/4 inch key cut shall be made to properly seat the system, providing a smooth transition between areas. The detail cut shall also apply to drain perimeters and expansion joint edges.
- d. Cracks and joints (non-moving) greater than 1/8 inch wide are to be chiseled or chipped-out and repaired per manufacturer's recommendations.
- 5. At spalled or worn areas, mechanically remove loose or delaminated concrete to a sound concrete and patch per manufactures recommendations.

3.3 APPLICATION

A. General

- 1. The system shall be applied in six distinct steps as listed below:
 - a. Substrate preparation
 - b. Priming
 - c. First broadcast coat application with first aggregate broadcast
 - d. Second broadcast coat with second aggregate broadcast
 - e. Grout coat application, sand floor (if required)
 - f. Topcoat application
- 2. Immediately prior to the application of any component of the system, the surface shall be dry and any remaining dust or loose particles shall be removed using a vacuum or clean, dry, oil-free compressed air.
- 3. The handling, mixing and addition of components shall be performed in a safe manner to achieve the desired results in accordance with the Manufacturer's recommendations.
- 4. The system shall follow the contour of the substrate unless pitching or other leveling work has been specified by the Architect.
- 5. A neat finish with well-defined boundaries and straight edges shall be provided by the Applicator.

B. Primer

- 1. The primer shall consist of a liquid resin and hardener that is mixed at the ratio of 1 part resin to 4 parts hardener per the manufacturer's instructions.
- 2. The primer shall be applied by 1/8 inch notched squeegee and back rolled at the rate of 200 sf/gal to yield a dry film thickness of 4 mils.

C. Broadcast Coat

- 1. The broadcast coat shall be applied as a double broadcast system as specified by the Architect.
- 2. The broadcast coat shall be comprised of two components, a resin, and hardener as supplied by the Manufacturer and mixed in the ratio of 2 parts resin to 1 part hardener.
- 3. The resin shall be added to the hardener and thoroughly mixed by suitably approved mechanical means.
- 4. The broadcast coat shall be applied over horizontal surfaces using a 3/16 inch "v" notched squeegee and back rolled at the rate of 90-100 sf/gal for first broadcast.
- 5. Colored quartz aggregate shall be broadcast to excess into the wet material at the rate of 0.5 lbs/sf.
- 6. Allow material to fully cure. Vacuum, sweep and/or blow to remove all loose aggregate.
- 7. Apply a second coat of resin with a coverage rate of 90-100 sf/gal and broadcast aggregate to excess at the rate of 0.5 lbs/sf using a flat squeegee

8. Allow material to fully cure. Vacuum, sweep and/or blow to remove all loose aggregate.

D. Grout Coat

1. The grout coat shall be comprised of a liquid resin and a liquid hardener that is mixed in the ratio of 1 part hardener to 2 parts resin and installed per the manufacturer's recommendations.
2. The grout coat shall be flat squeegee applied and back rolled with a coverage rate of 90-100 sf/gal.

E. Topcoat

1. The topcoat of Armor Top shall be roller applied at the rate of 500 sf/gal to yield a dry film thickness of 3 mils.
2. The topcoat shall be comprised of a liquid resin, hardener and grit that is mixed per the manufacturer's instructions.
3. The finish floor will have a nominal thickness of 1/8 inch.

3.4 FIELD QUALITY CONTROL

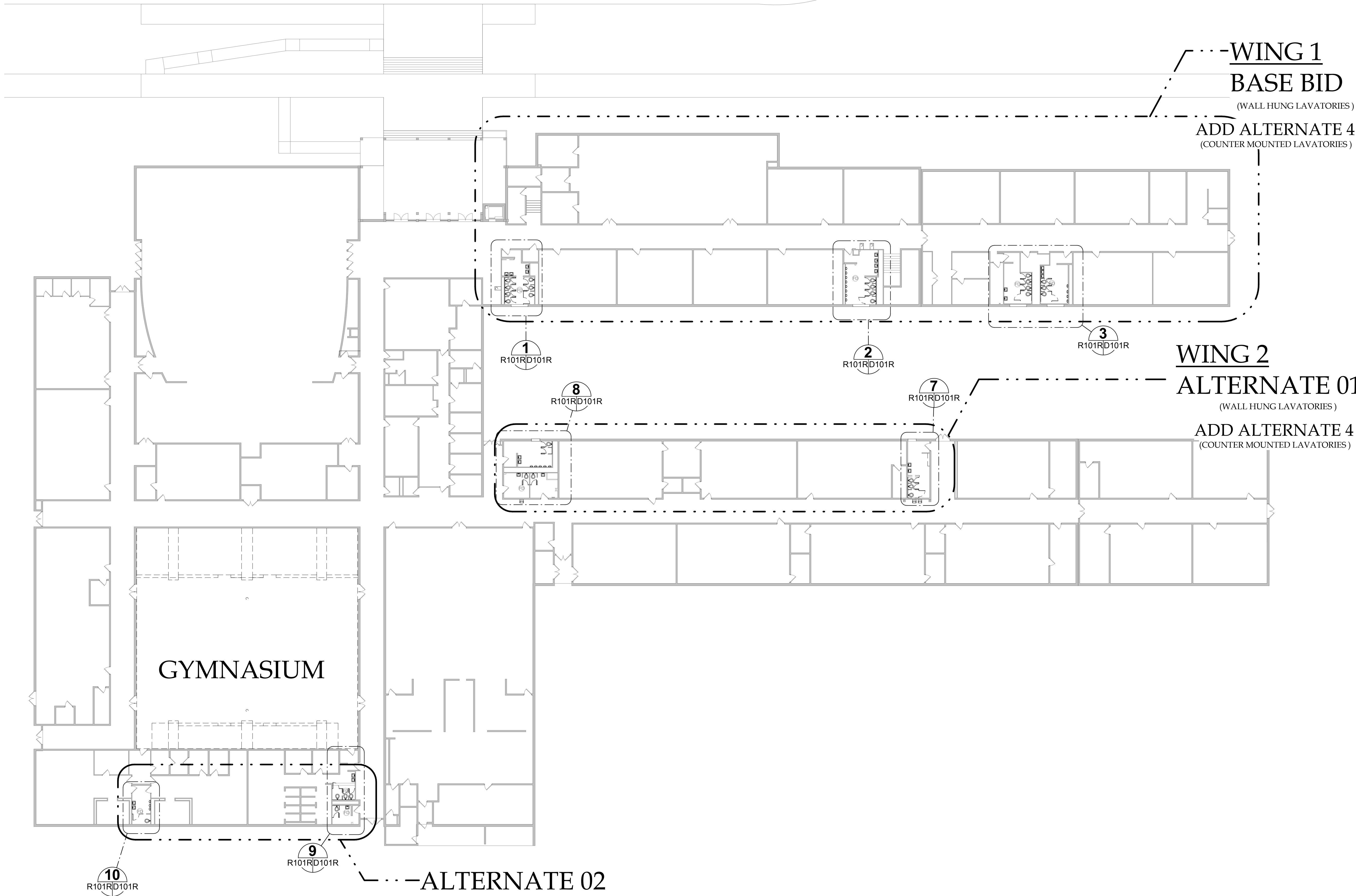
A. Tests, Inspection

1. The following tests shall be conducted by the Applicator:
 - a. Temperature
 1. Air, substrate temperatures and, if applicable, dew point.
 - b. Coverage Rates
 1. Rates for all layers shall be monitored by checking quantity of material used against the area covered.

3.5 CLEANING AND PROTECTION

- A. Cure flooring material in compliance with manufacturer's directions, taking care to prevent their contamination during stages of application and prior to completion of the curing process.
- B. Remove masking. Perform detail cleaning at floor termination, to leave cleanable surface for subsequent work of other sections.

END OF SECTION



1 FIRST FLOOR PLAN-EXISTING
R101R
1" = 20'-0"



1

SECOND FLOOR PLAN - EXISTING

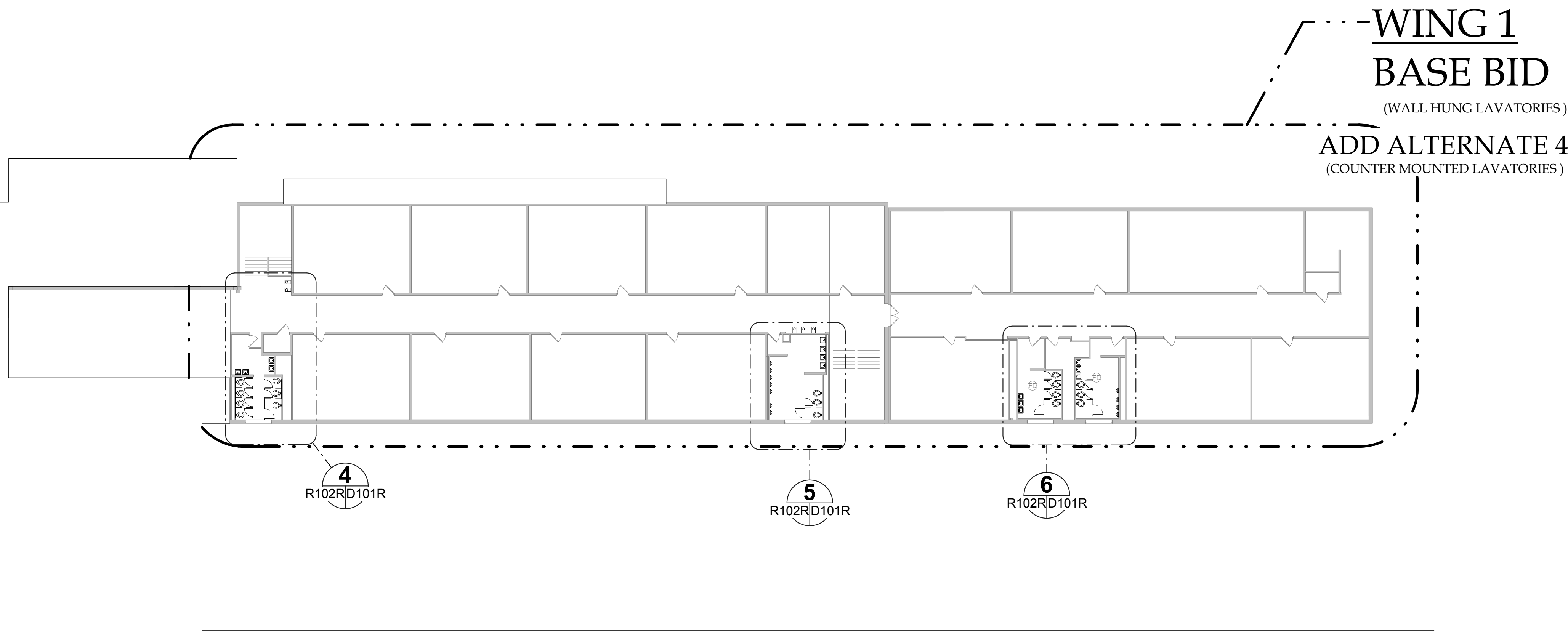
1" = 20'-0"



2

PHOTOS

3/4" = 1'-0"



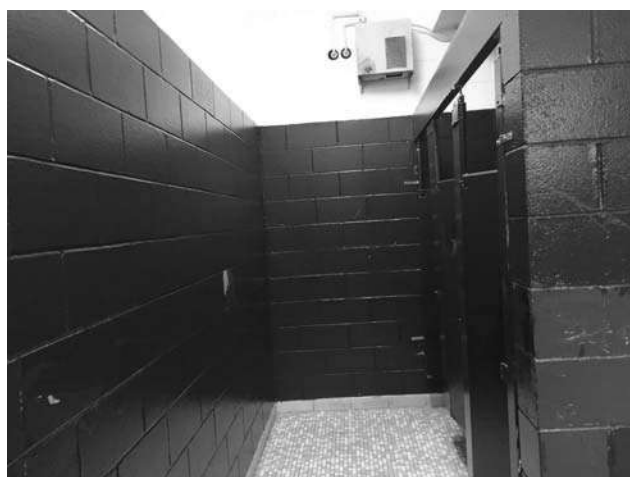
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2.



3.



4.

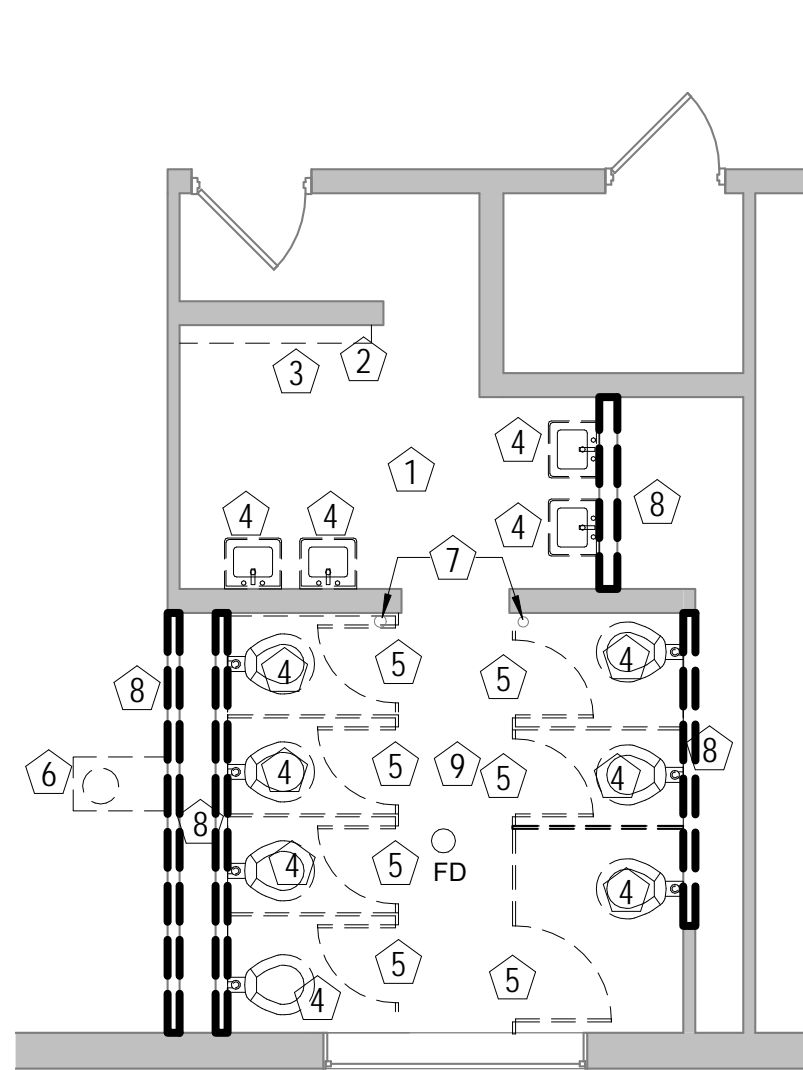


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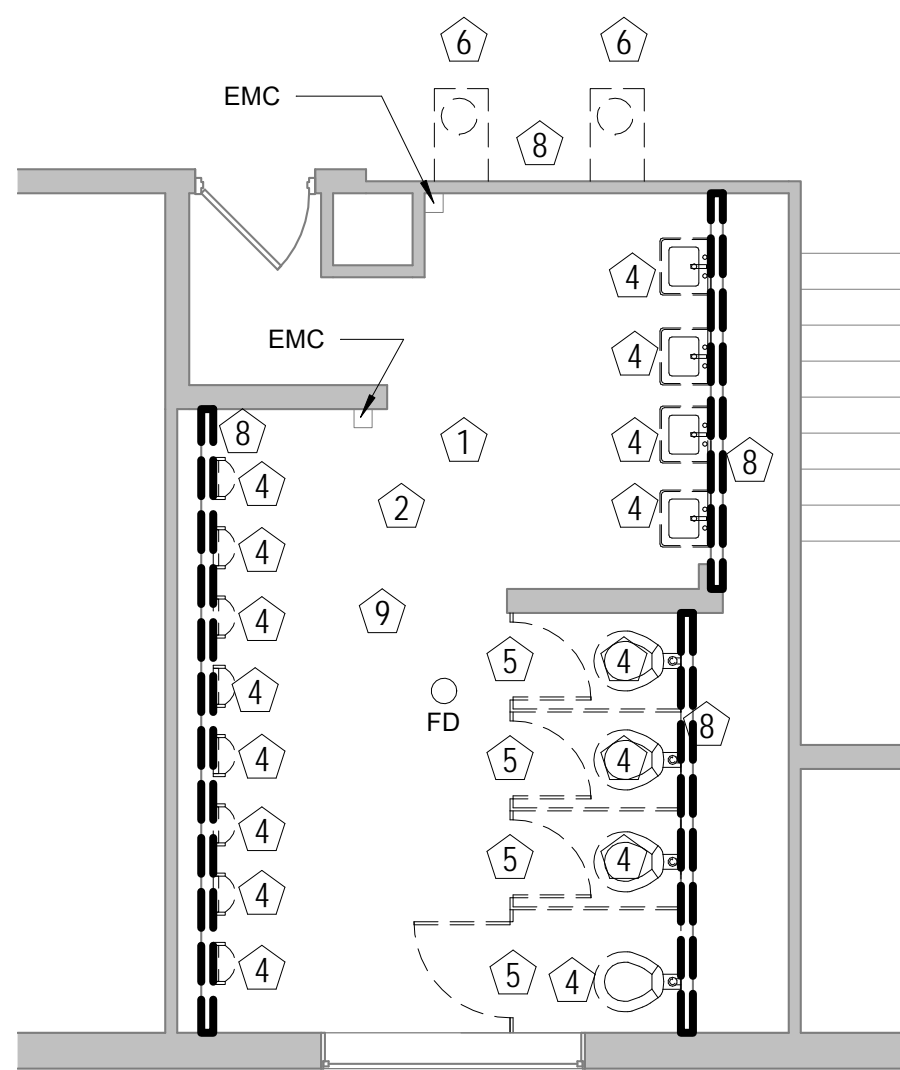
PHOTOGRAPHS NOTE:

1. THESE EXISTING PHOTOGRAPHS ARE TO PROVIDE THE CONTRACTOR AND HIS SUBCONTRACTORS WITH VISUAL REPRESENTATION OF THE EXISTING CONDITIONS, MATERIALS AND FINISHES. THE PHOTOGRAPHS ARE NOT INTENDED TO BE A SUBSTITUTE FOR THE CONTRACTOR OR HIS SUBCONTRACTORS TO PERFORM THEIR OWN ON-SITE REVIEW OF THE EXISTING CONDITIONS PRIOR TO BIDDING THE PROJECT.

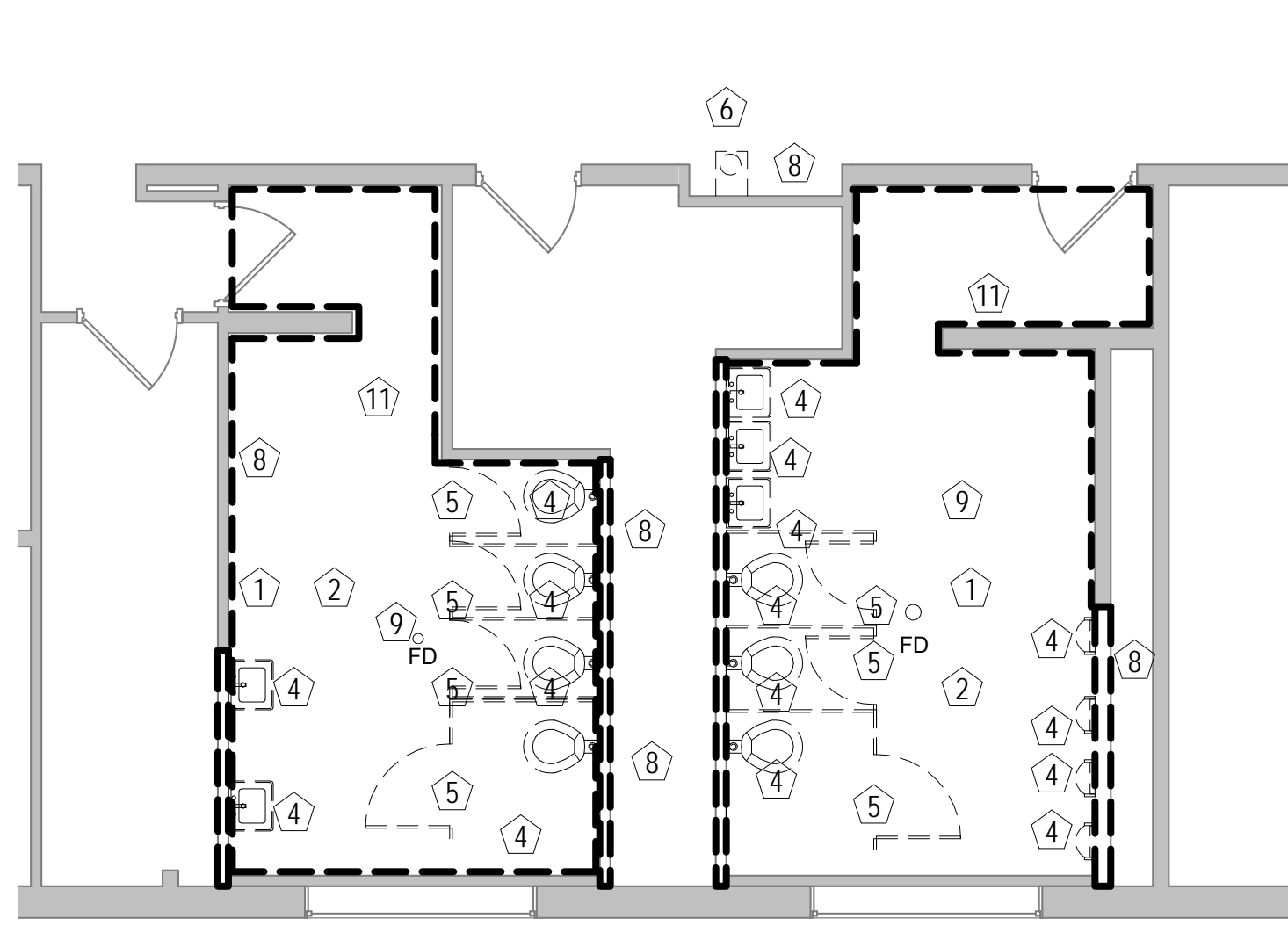




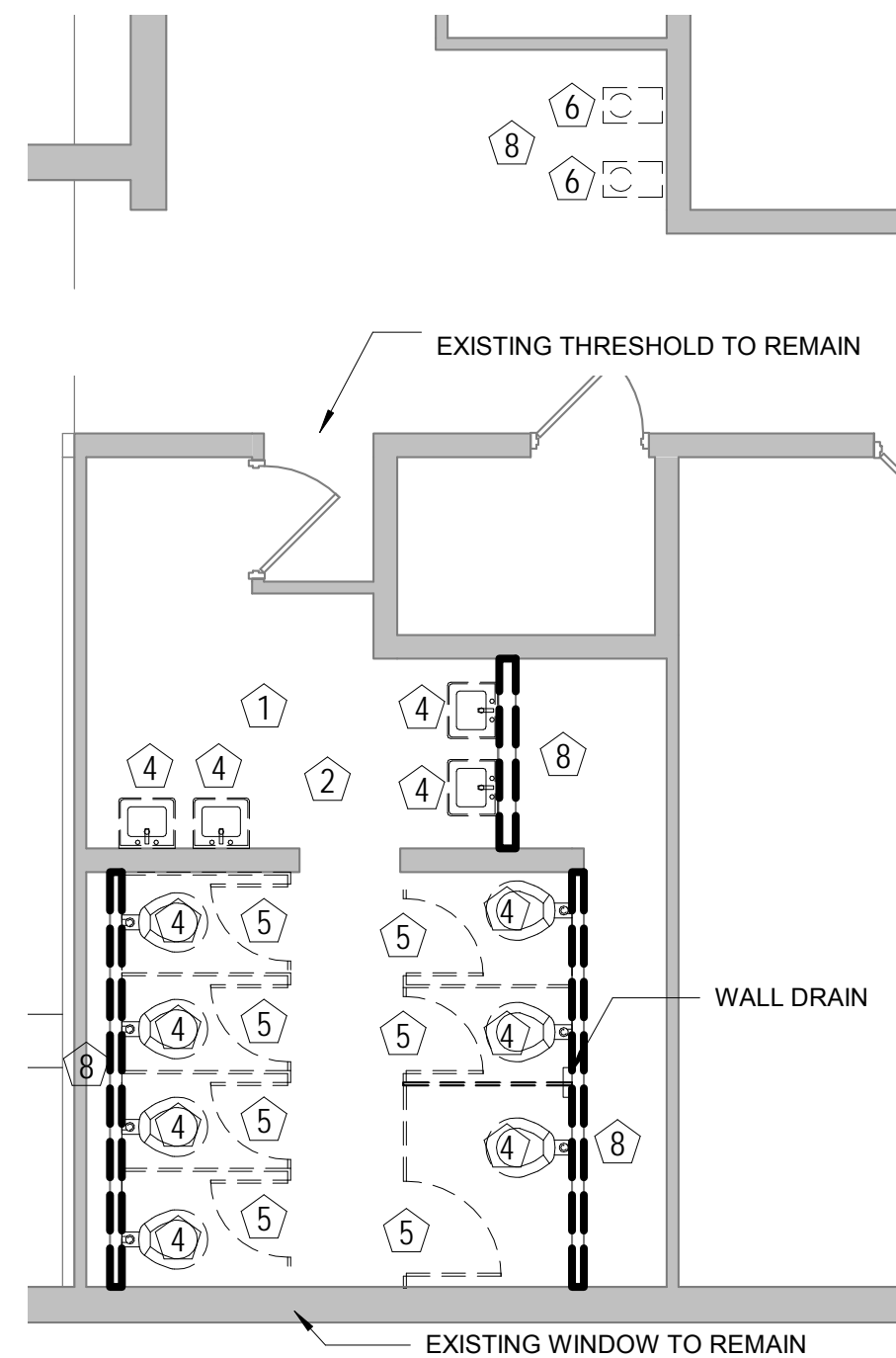
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ENLARGED PLAN
BASE BID
R101R D101R 3/16" = 1'-0"



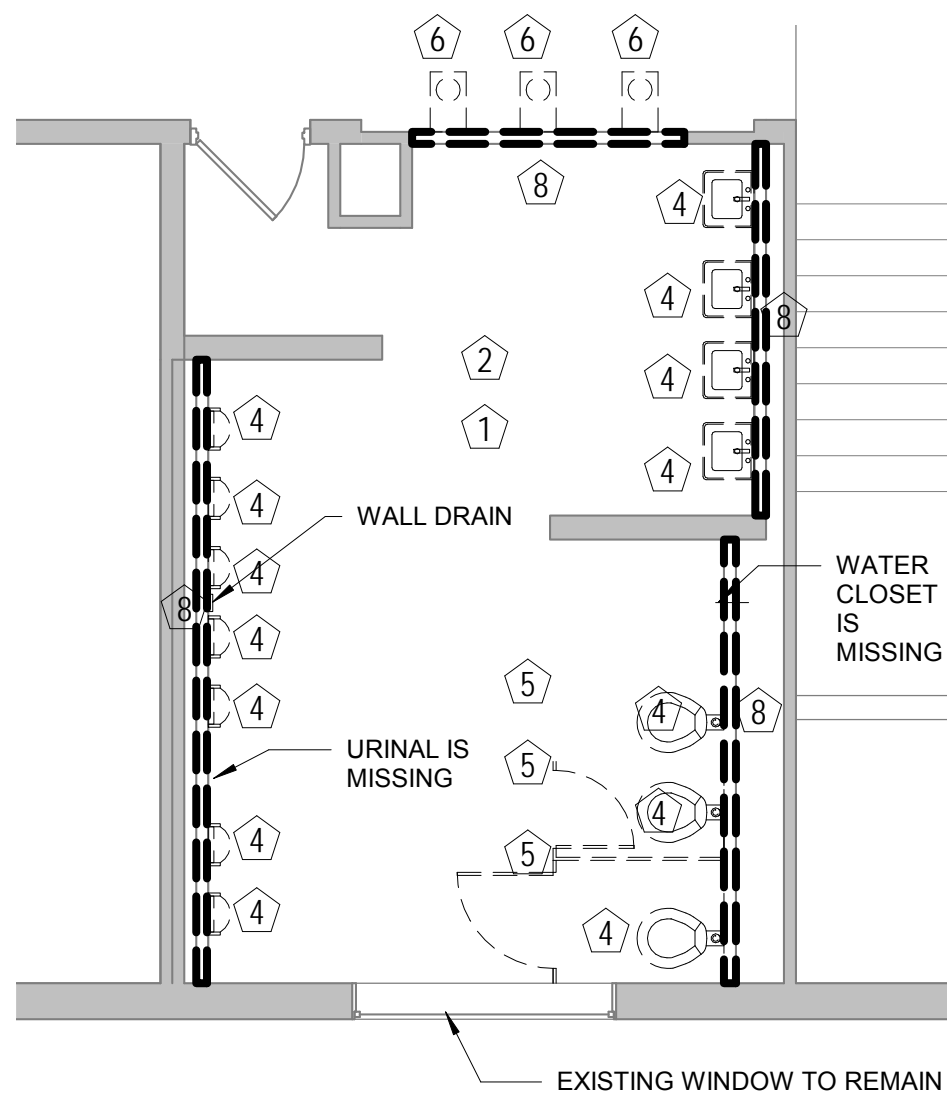
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ENLARGED PLAN
BASE BID
R101R D101R 3/16" = 1'-0"



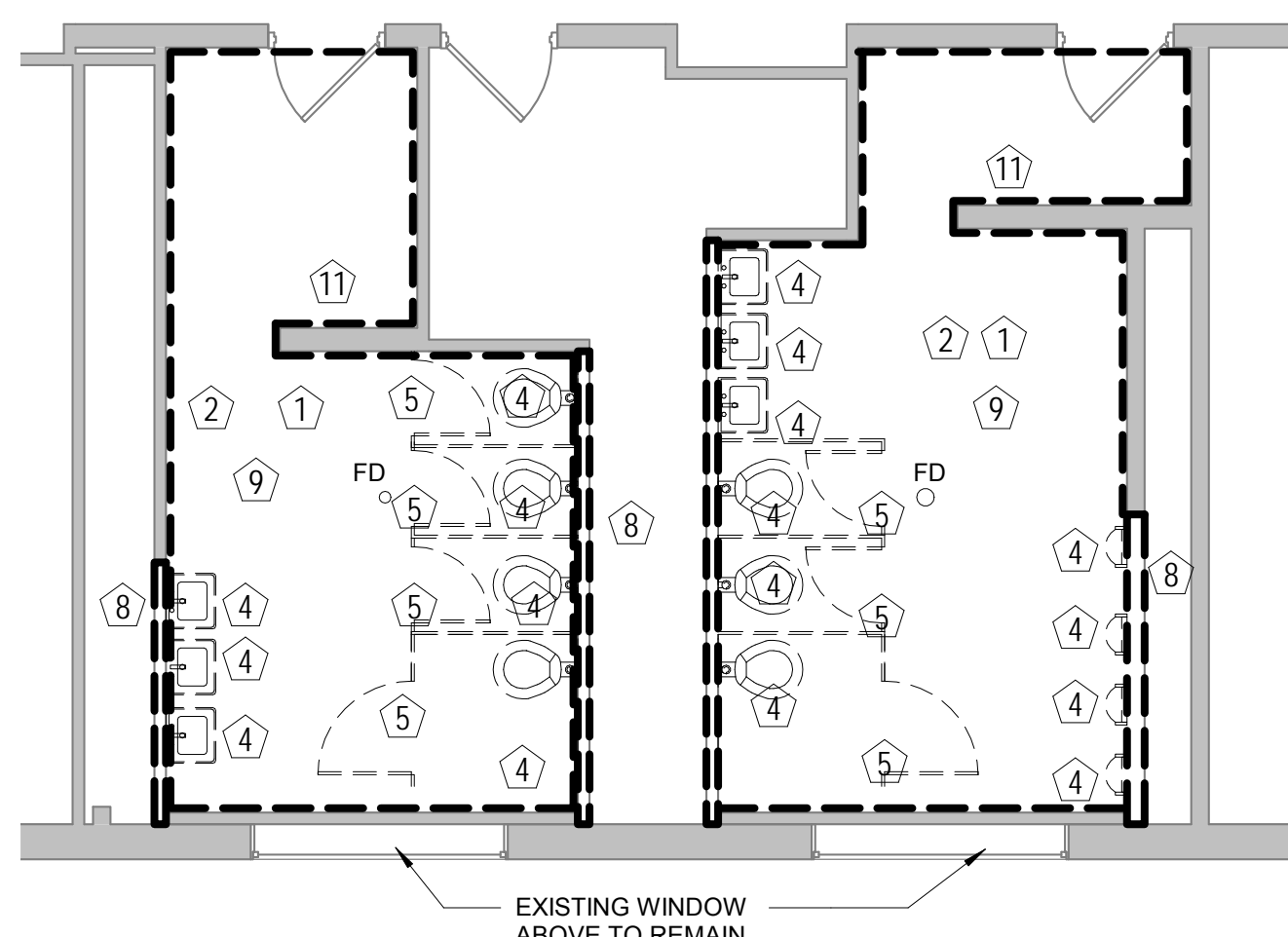
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ENLARGED PLAN
BASE BID
R101R D101R 3/16" = 1'-0"



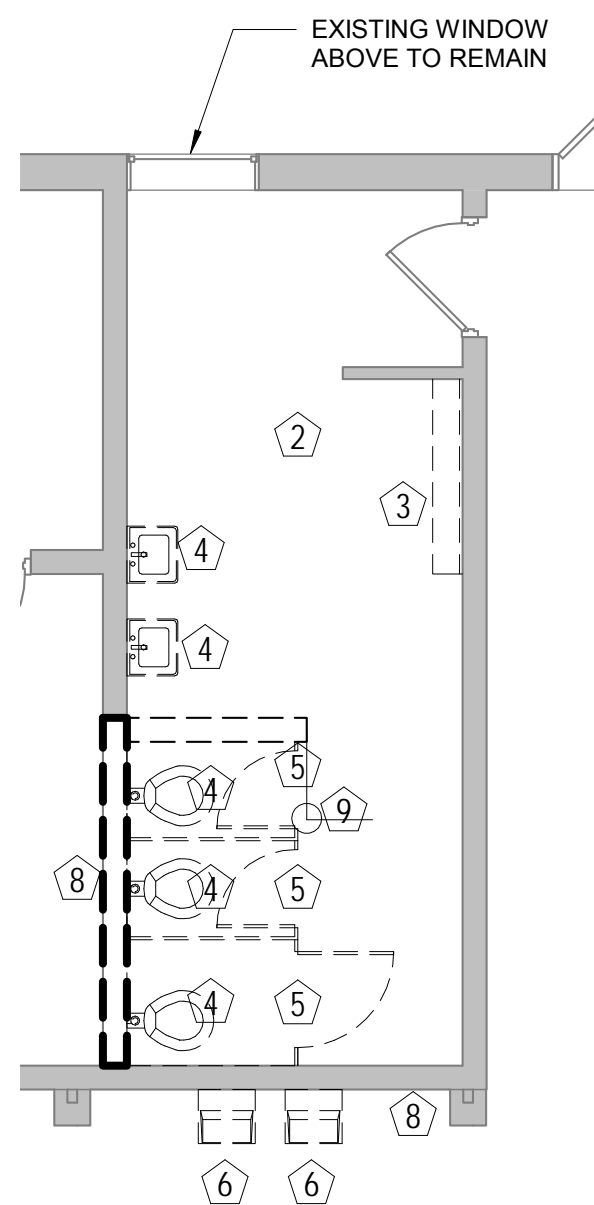
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ENLARGED PLAN
BASE BID
R102R D101R 3/16" = 1'-0"



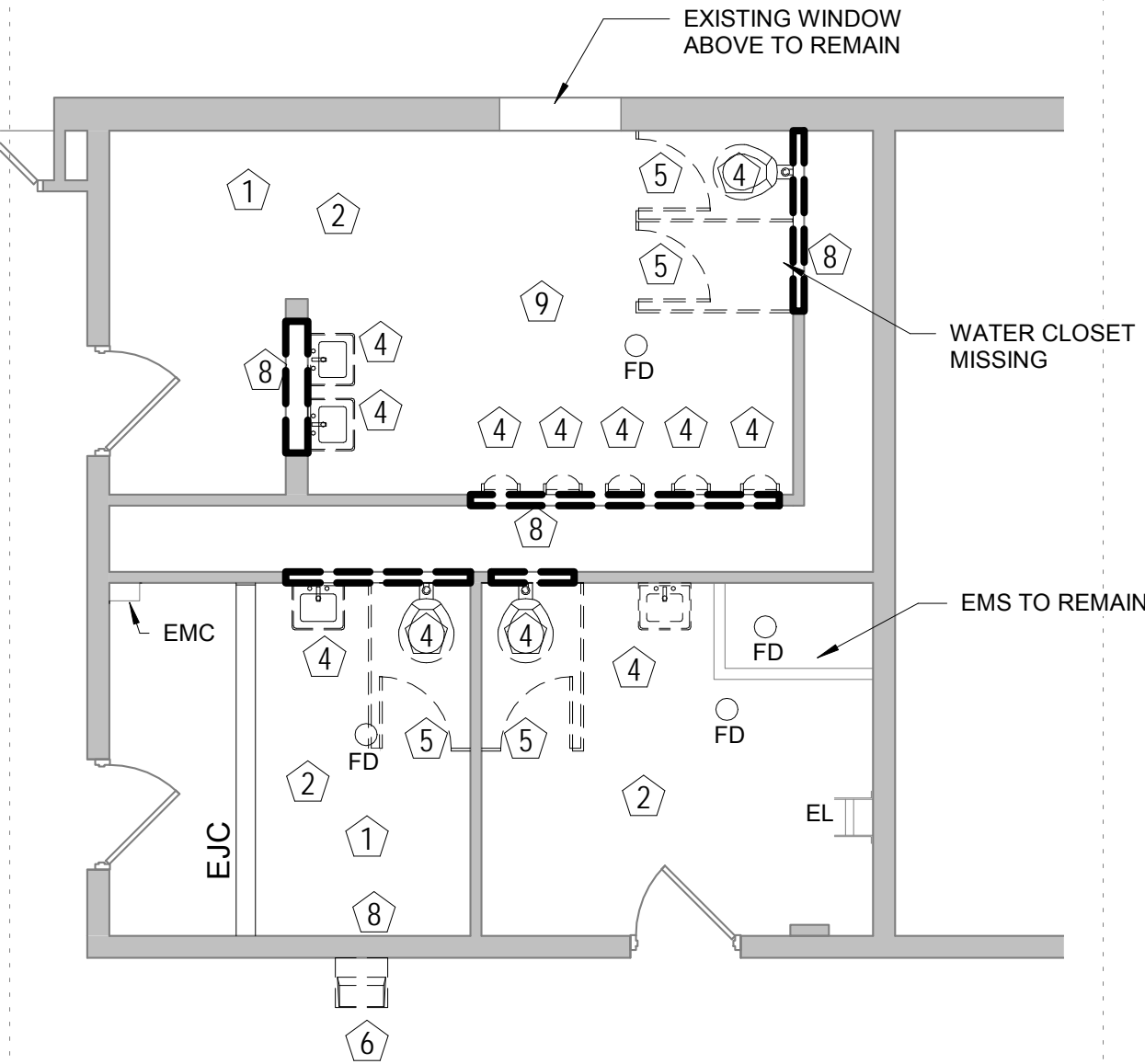
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ENLARGED PLAN
BASE BID
R102R D101R 3/16" = 1'-0"



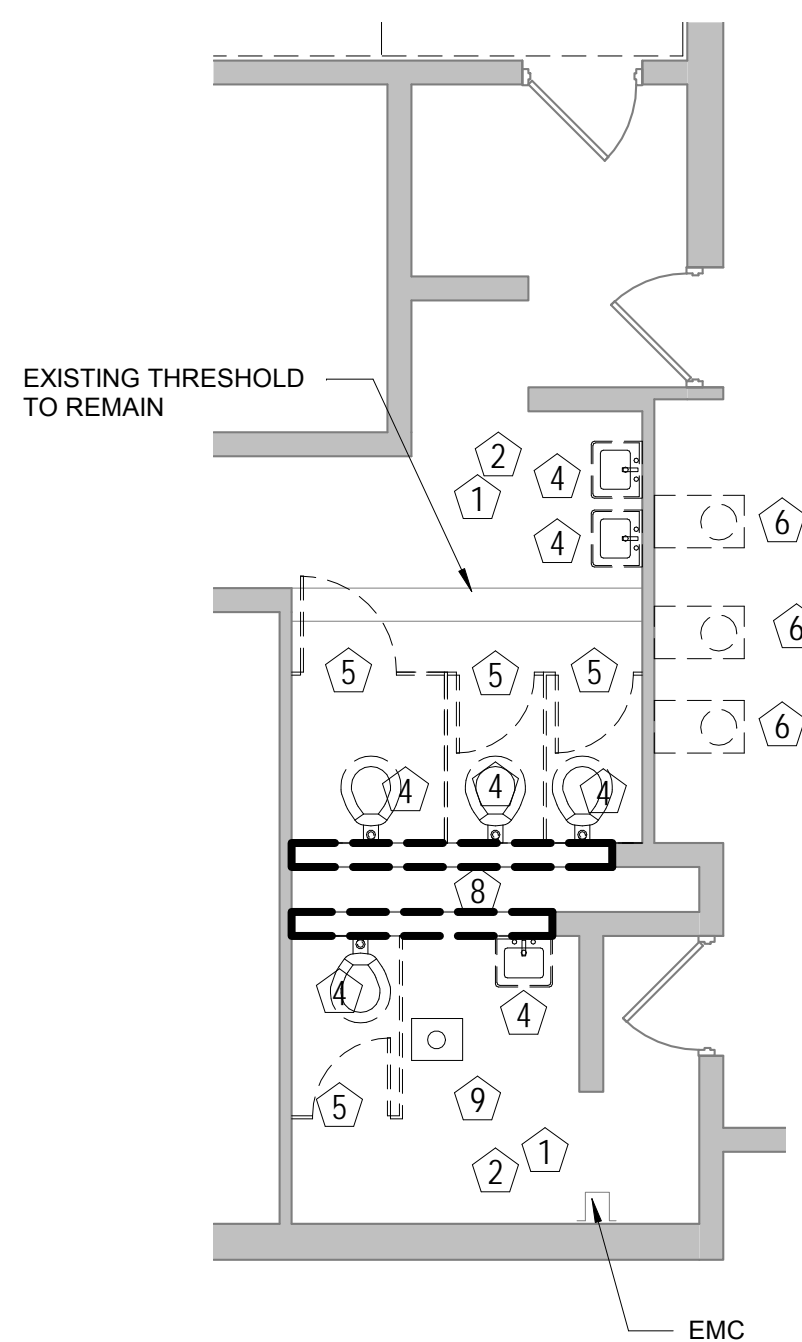
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ENLARGED PLAN
BASE BID
R102R D101R 3/16" = 1'-0"



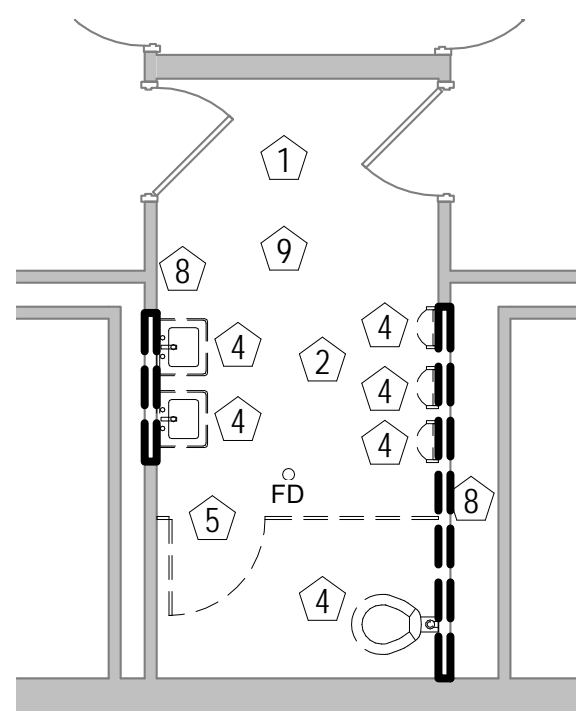
7
ENLARGED PLAN
ALTERNATE 01
R101R D101R 3/16" = 1'-0"



8
ENLARGED PLAN
ALTERNATE 01
R101R D101R 3/16" = 1'-0"



9
ENLARGED PLAN
ALTERNATE 02
R101R D101R 3/16" = 1'-0"



10
ENLARGED PLAN
ALTERNATE 02
R101R D101R 3/16" = 1'-0"

GENERAL DEMOLITION NOTES

1. IT IS THE INTENT OF THESE DRAWINGS TO AID THE CONTRACTOR IN BIDDING THE PROJECT BY PROVIDING INFORMATION ABOUT MATERIALS AND THEIR REMOVAL. HOWEVER, DEMOLITION IS EXTENSIVE AND ALL POSSIBLE ITEMS/ CONDITIONS MAY NOT BE ADDRESSED. ACTUAL CONDITIONS MAY VARY FROM THOSE SHOWN IN THESE DRAWINGS. CONTRACTOR IS ADVISED TO VISIT THE SITE PRIOR TO SUBMITTING HIS BID.

2. ALL ITEMS TO REMAIN PROPERTY OF THE OWNER WILL EITHER BE REMOVED BY THE OWNER PRIOR TO BIDDING OR BE TAGGED BY THE OWNER PRIOR TO THE BIDDING. ALL ITEMS NOT TAGGED OR OTHERWISE IDENTIFIED BECOME PROPERTY OF THE CONTRACTOR AND MAY BE REMOVED FROM THE SITE.

3. THE CONTRACTOR IS TO LOCATE, SECURE, CAP OFF, PROTECT, AND DOCUMENT LOCATIONS OF ALL UNDERGROUND UTILITIES DISCOVERED DURING OR AFFECTED BY DEMOLITION. TURN DOCUMENTATION OF THESE OVER TO THE OWNER AT COMPLETION OF THE WORK.

4. **BASE BID.** SCOPE OF WORK THE CONTRACTOR SHALL DEMOLISH THE EXISTING PLUMBING FIXTURE, TOILET PARTITION AND ACCESSORIES IN THE EXISTING TOILET AREAS. THIS WORK WILL INCLUDE BUT NOT LIMITED TO , TOILET ACCESSORIES AND LIGHTING IN THE RESTROOM AREA FOR THE 2 STORY PORTION OF THE BUILDING DESIGNATED AS WING 1.

5. **ADD ALTERNATE 01.** SCOPE OF WORK THE CONTRACTOR SHALL DEMOLISH THE EXISTING PLUMBING FIXTURE, TOILET PARTITION AND ACCESSORIES IN THE EXISTING TOILET AREAS. THIS WORK WILL INCLUDE BUT NOT LIMITED TO , TOILET ACCESSORIES AND LIGHTING IN THE RESTROOM AREA FOR THE 1 STORY PORTION OF THE BUILDING DESIGNATED AS WING 2.

6. **ADD ALTERNATE 02.** SCOPE OF WORK THE CONTRACTOR SHALL DEMOLISH THE EXISTING PLUMBING FIXTURE, TOILET PARTITION AND ACCESSORIES IN THE EXISTING TOILET AREAS. THIS WORK WILL INCLUDE BUT NOT LIMITED TO , TOILET ACCESSORIES AND LIGHTING IN THE RESTROOM AREA FOR THE 1 STORY PORTION OF THE BUILDING LOCATED BEHIND THE GYMNASIUM.

5. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION ON DEMOLITION SCOPE.

6. REFER TO ELECTRICAL DRAWINGS FOR EXTENT OF ITEMS THAT WILL NEED TO BE REMOVED OR RELOCATED DURING DEMOLITION .

LEGEND: DEMOLITION

| ITEMS TO BE DEMOLISHED | |
|------------------------|----------------------------|
| 1 | KEYNOTE - DEMOLITION |
| EMS | EXISTING MOP SINK |
| EDF | EXISTING DRINKING FOUNTAIN |
| EJC | EXISTING JOINT COVER |
| EL | EXISTING LADDER |
| EMC | EXISTING METAL COVER |
| EX | EXISTING |
| FD | FLOOR DRAIN |

DEMOLITION NOTES

| Keynote Number | Description |
|----------------|---|
| 1 | REMOVE EXISTING TOILET ACCESSORIES AND ALL OF ITS COMPONENTS. |
| 2 | REMOVE EXISTING LIGHT FIXTURES. FIXTURES NOT SHOWN FOR CLARITY. SEE ELECTRICAL FOR ADDITIONAL INFORMATION. |
| 3 | REMOVE EXISTING MILLWORK IN ITS ENTIRETY. |
| 4 | REMOVE EXISTING PLUMBING FIXTURE AND ALL OF ITS COMPONENTS. |
| 5 | REMOVE EXISTING TOILET PARTITION AND GRAB BARS. |
| 6 | REMOVED EXISTING EDF. PREPARE WALL FOR NEW EDF. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION. |
| 7 | EXISTING PIPE TO CAPPED. SEE PLUMBING FOR ADDITIONAL INFORMATION. |
| 8 | REMOVE EXISTING WALL AND WALL COMPONENTS AS REQUIRED TO EXECUTE SCOPE OF WORK. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION. |
| 9 | GC TO REMOVE DAMAGE TILE AND MODIFY FLOOR AND DRAINS AS REQUIRED TO ENSURE FLOOR IS LEVELED. SEE PLUMBING FOR ADDITIONAL INFORMATION CONCERNING THE DRAINS |
| 11 | REMOVE EXISTING WALL TILE AND ALL OF ITS COMPONENTS DOWN TO THE EXISTING SUBSTRATE. GC IS TO INSPECT THE CONDITION OF SUBSTRATE AND REMOVE AS REQUIRED THE DEFECTIVE PORTION BEFORE INSTALLING THE NEW SCOPE OF WORK. |



Original Plotted Sheet Size = 24"x36"



Project
2018 BOND PROJECT: RESTROOM IMPROVEMENTS
FOR JIM HILL HIGH SCHOOL
JACKSON PUBLIC SCHOOLS
JACKSON, MS 39202

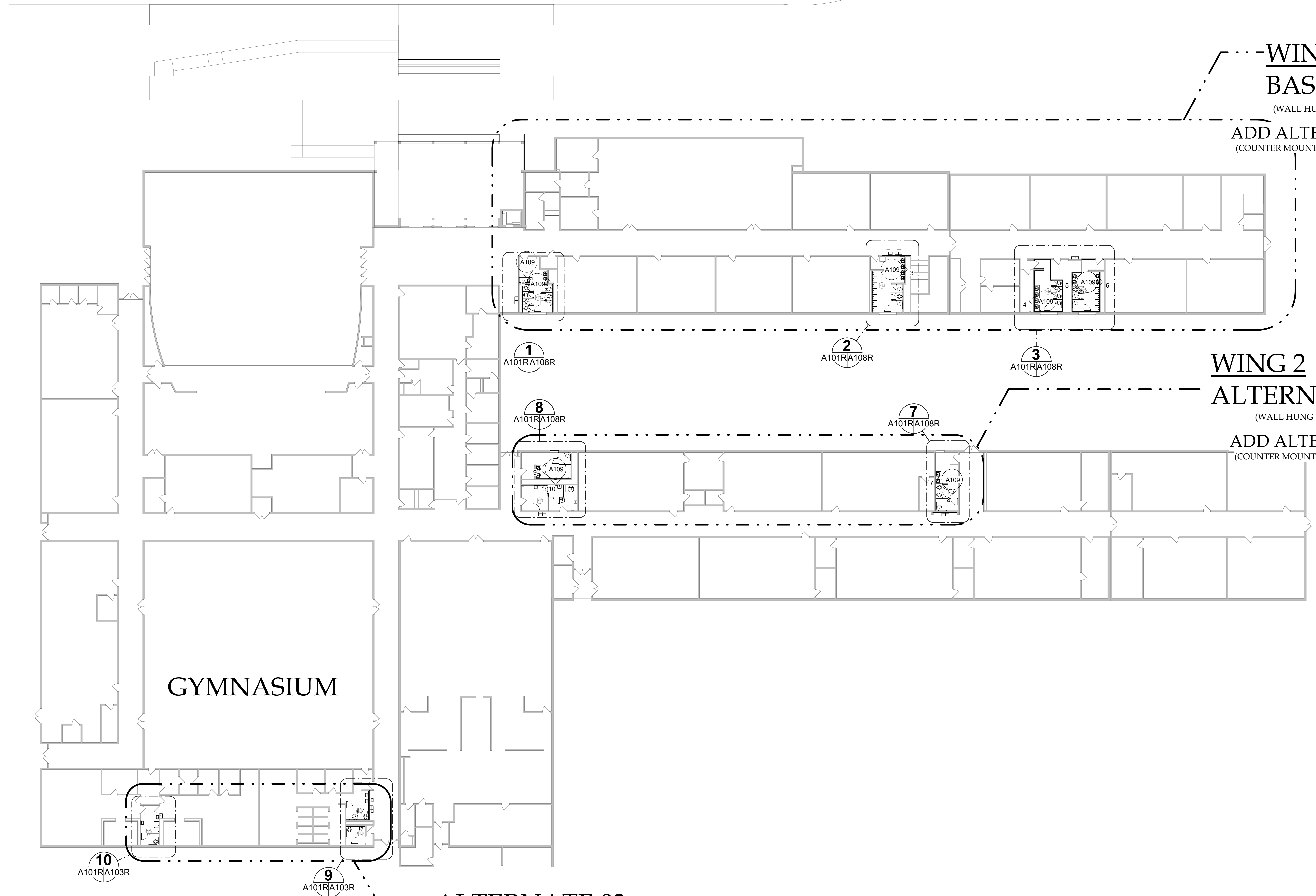
| | |
|-----------------|-------------|
| Project Number: | 19.002 |
| Date: | 02.DEC.2019 |
| Drawn by: | AE |
| Checked by: | GD |
| Revisions | |
| 1 | 1/15/2020 |
| 2 | |
| 3 | |

Sheet Title

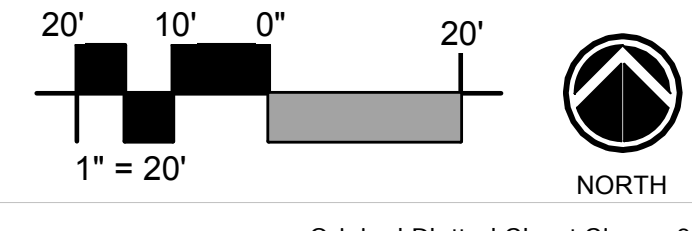
MASTER FLOOR
PLAN FIRST
FLOOR - NEW
WORK

Sheet Number 5 of 20

A101R



1 FIRST FLOOR PLAN- NEW
1" = 20'-0"



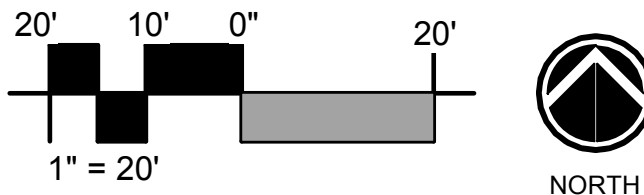
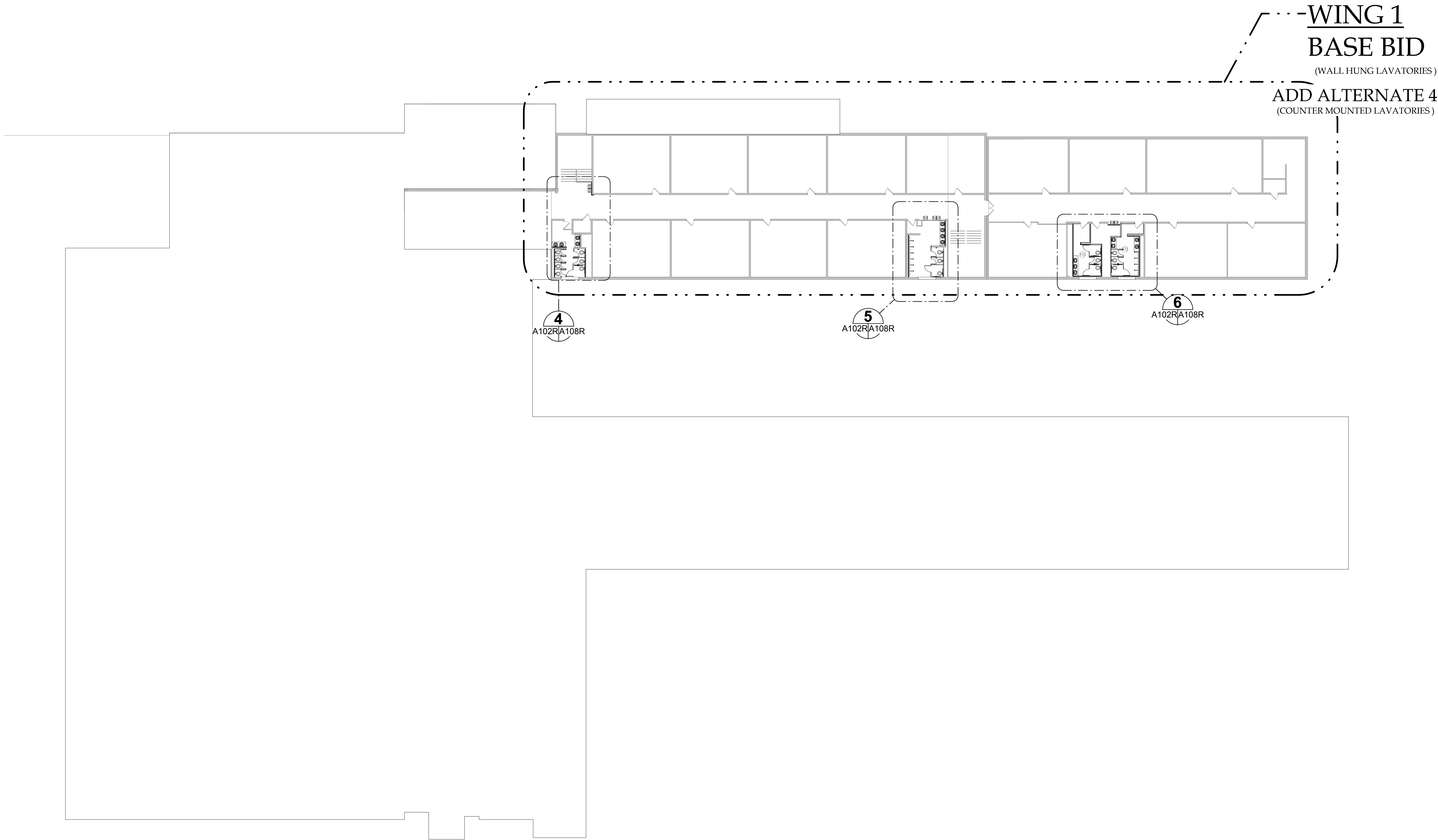
Original Plotted Sheet Size = 24"x36"

1

A102R

SECOND FLOOR PLAN - NEW

1" = 20'-0"



Original Plotted Sheet Size = 24"x36"

© 2019

Greg L. Durrell, AIA



Project

2018 BOND PROJECT: RESTROOM IMPROVEMENTS
FOR JIM HILL HIGH SCHOOL
JACKSON PUBLIC SCHOOLS
JACKSON, MS 39202

Project Number: 19.002

Date: 02.DEC.2019

Drawn by: AE

Checked by: GD

Revisions

1 1/15/2020

2

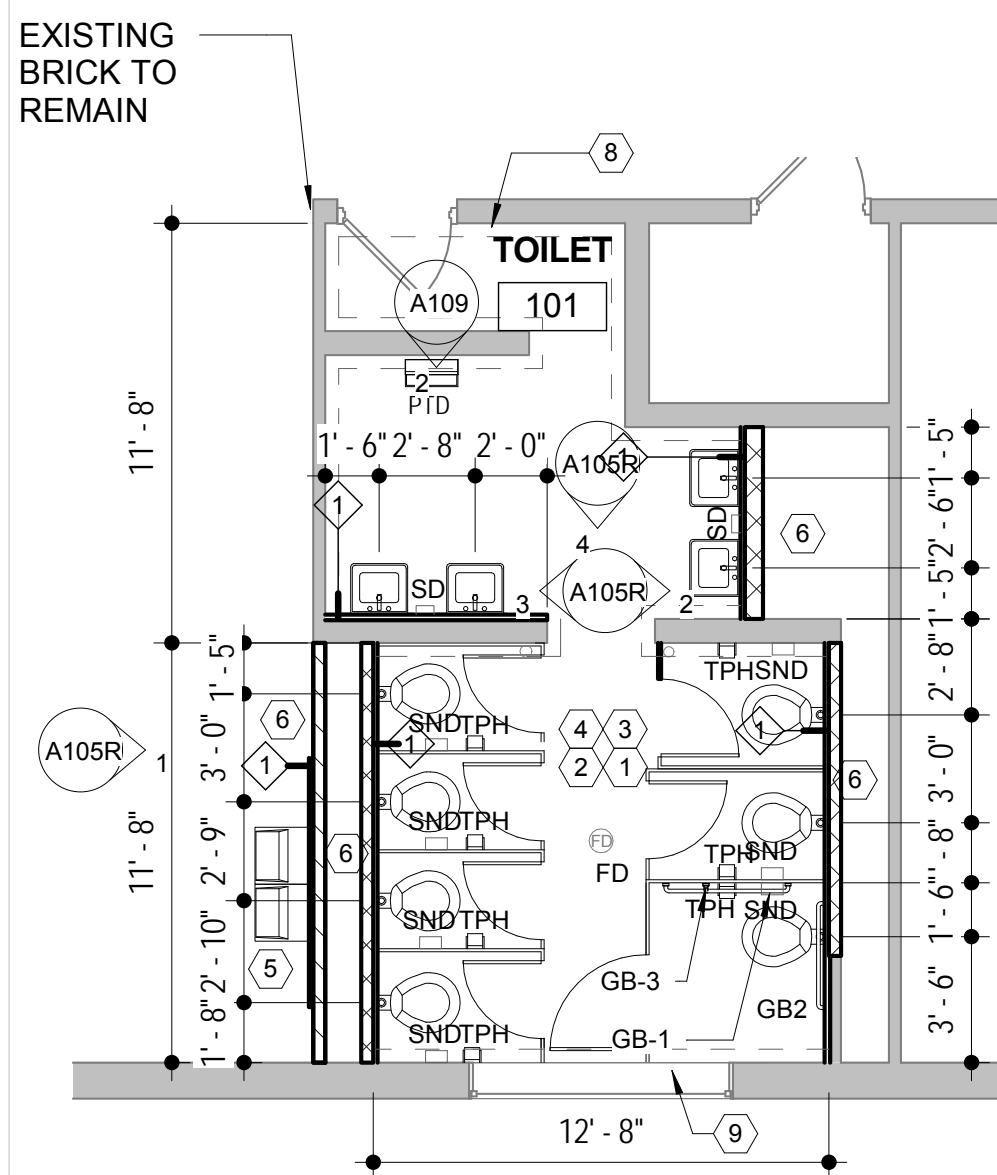
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Sheet Title

MASTER FLOOR
PLAN SECOND
FLOOR - NEW
WORK

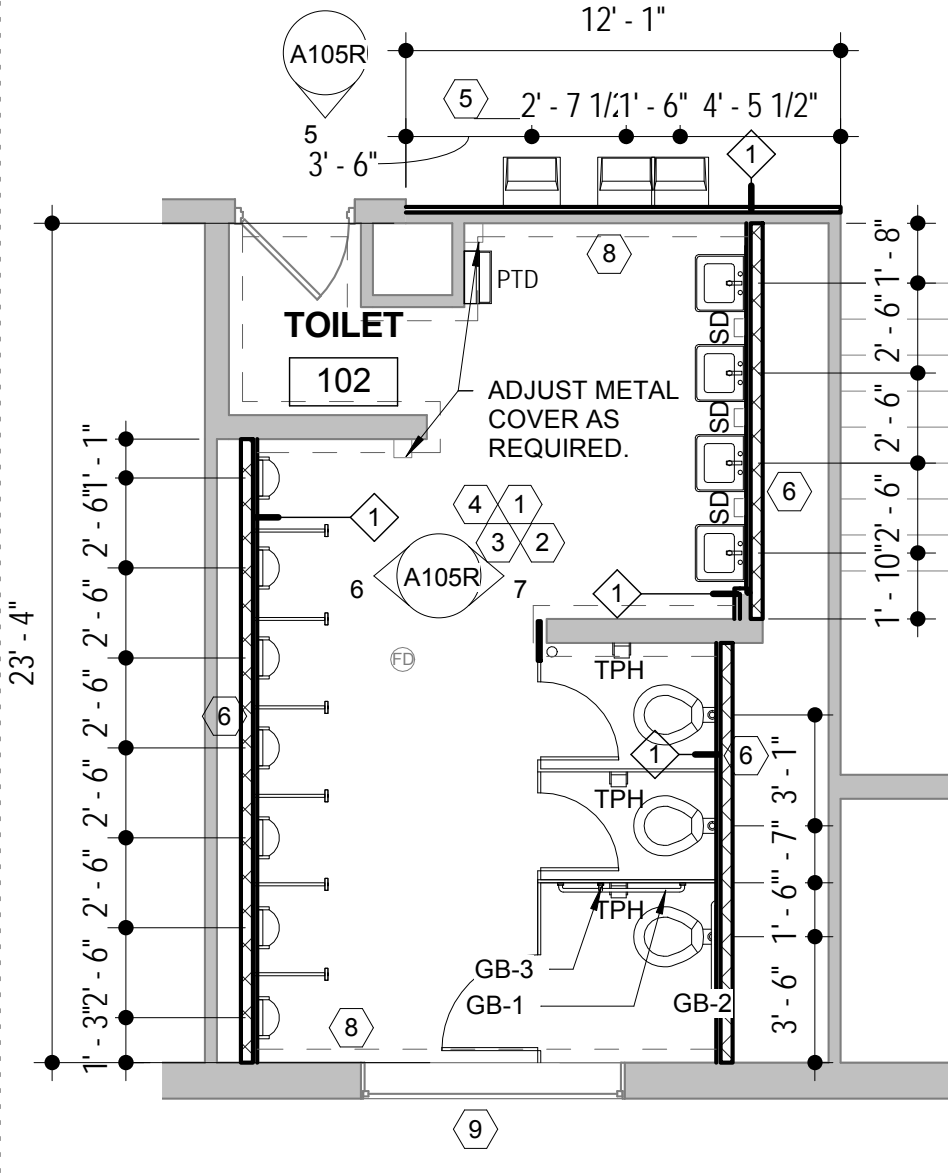
Sheet Number 6 of 20

A102R



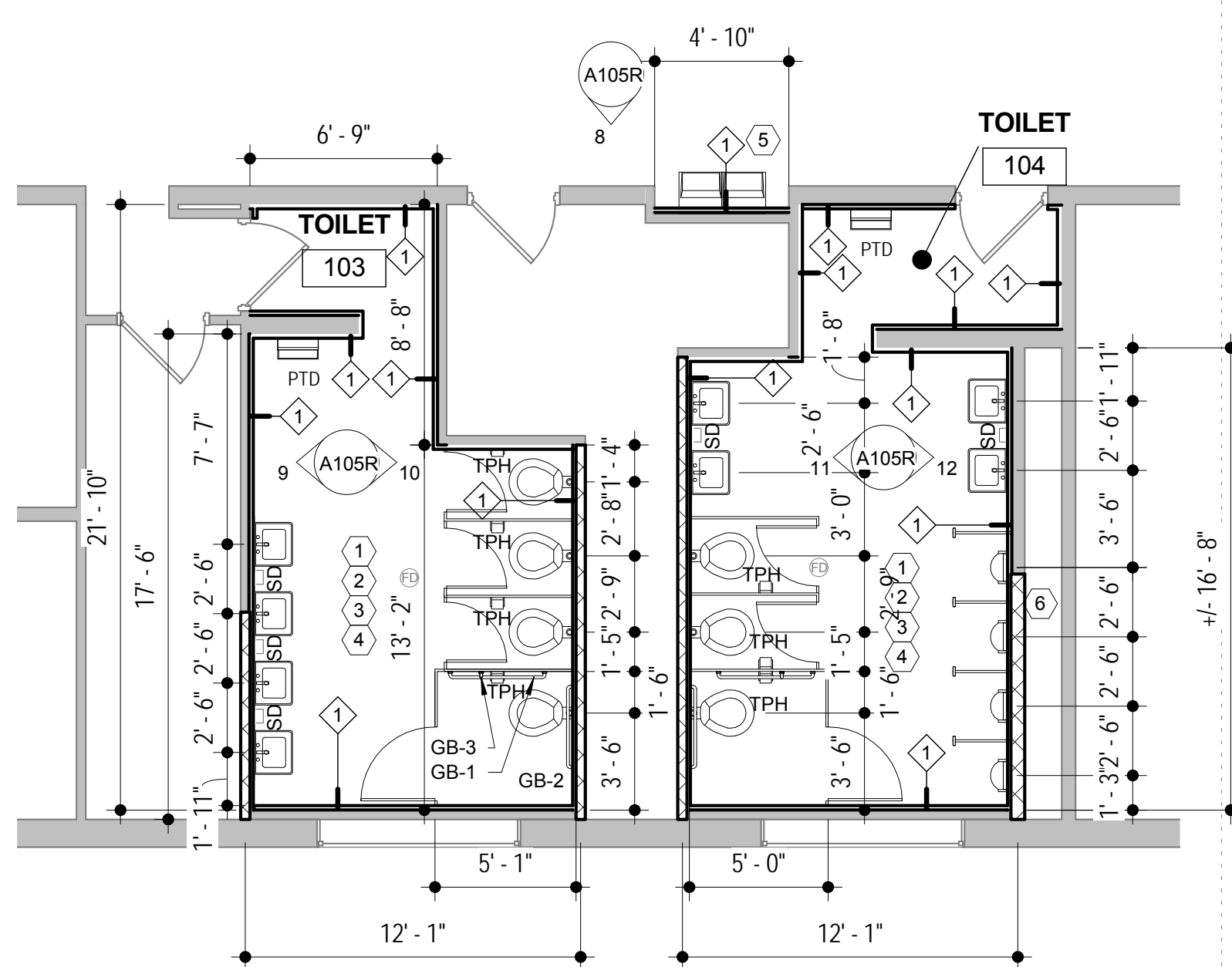
**ENLARGED PLAN
BASE BID**

A101R A103R 3/16" = 1'-0"



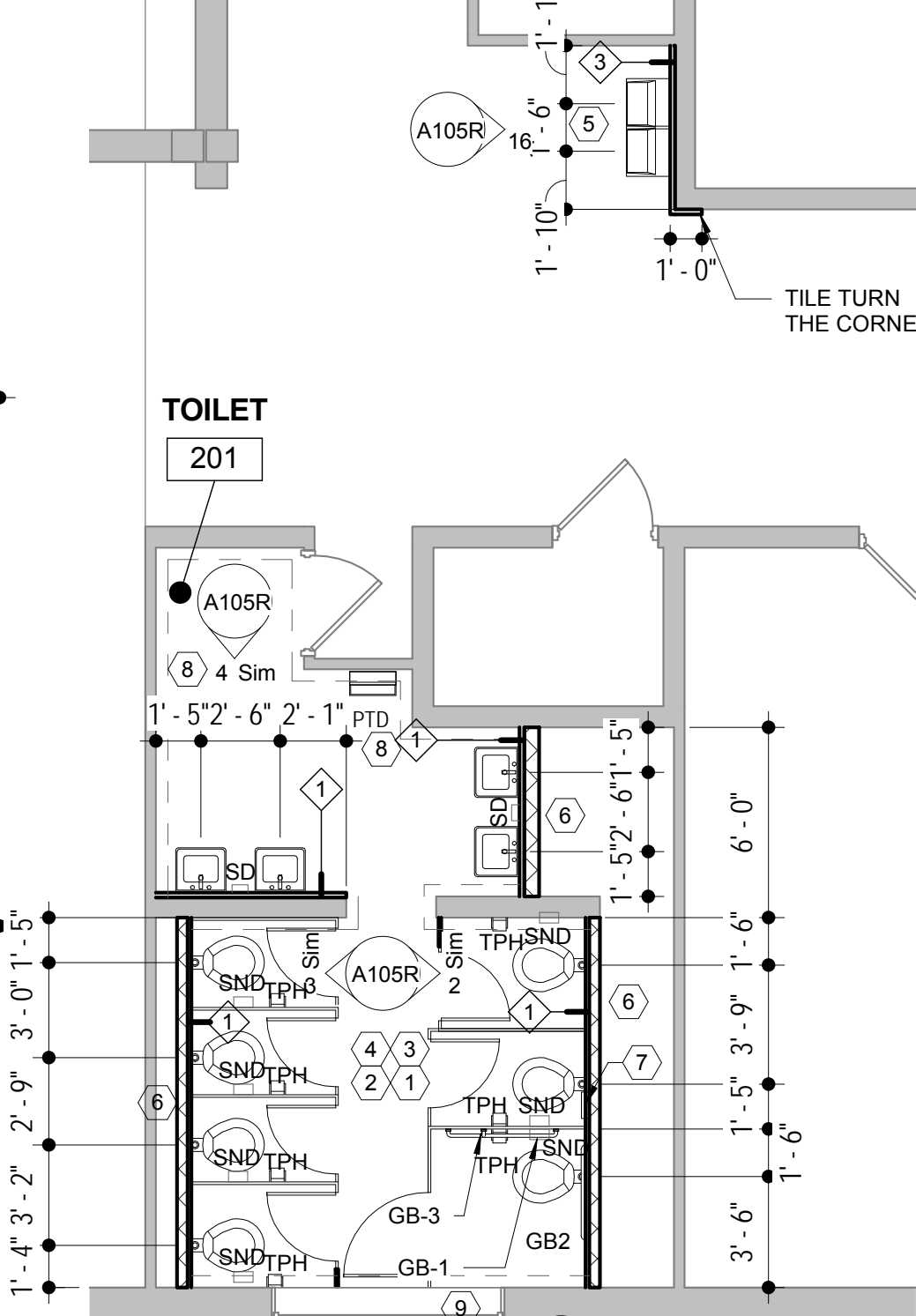
**ENLARGED PLAN
BASE BID**

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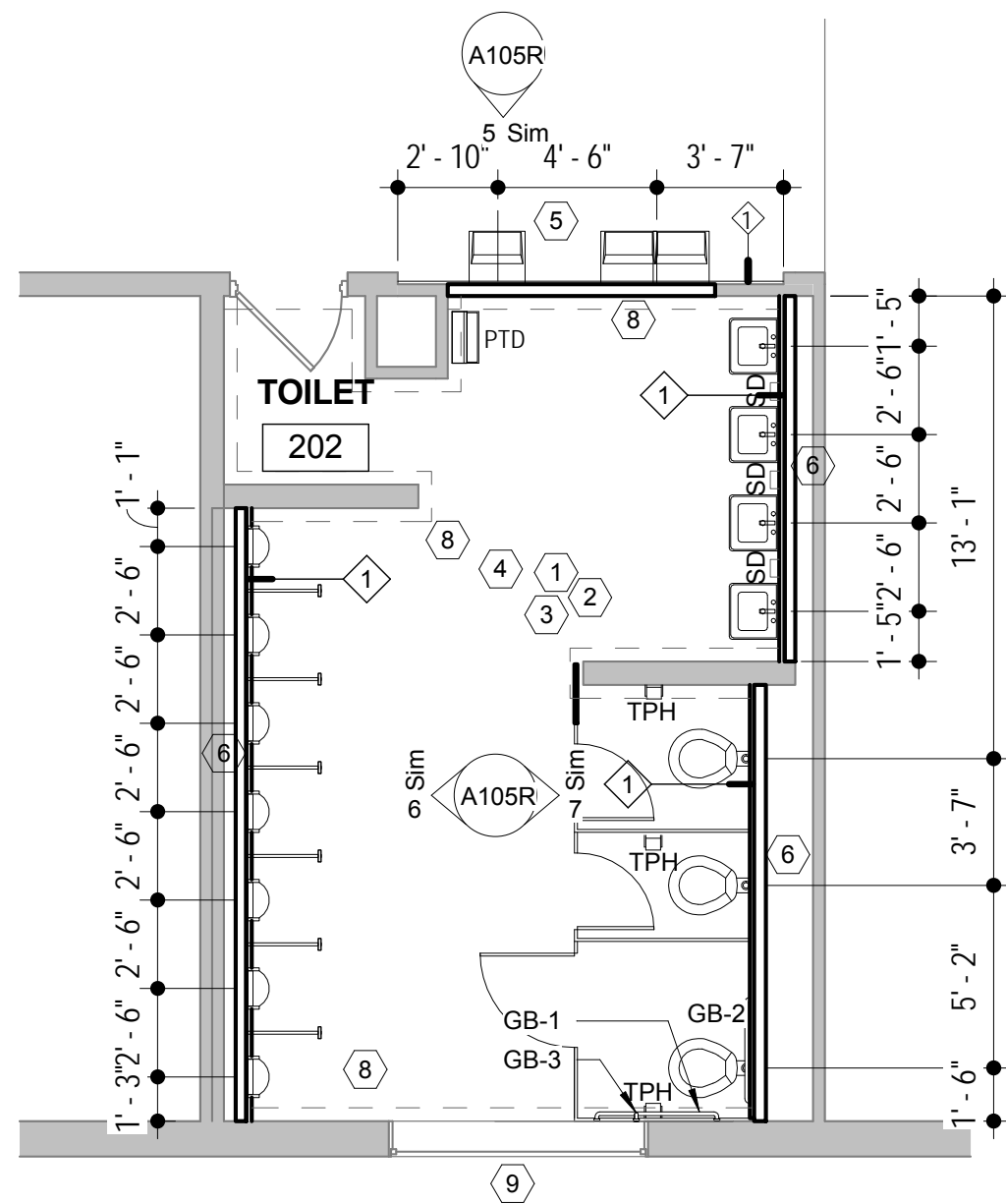
**ENLARGED PLAN
BASE BID**

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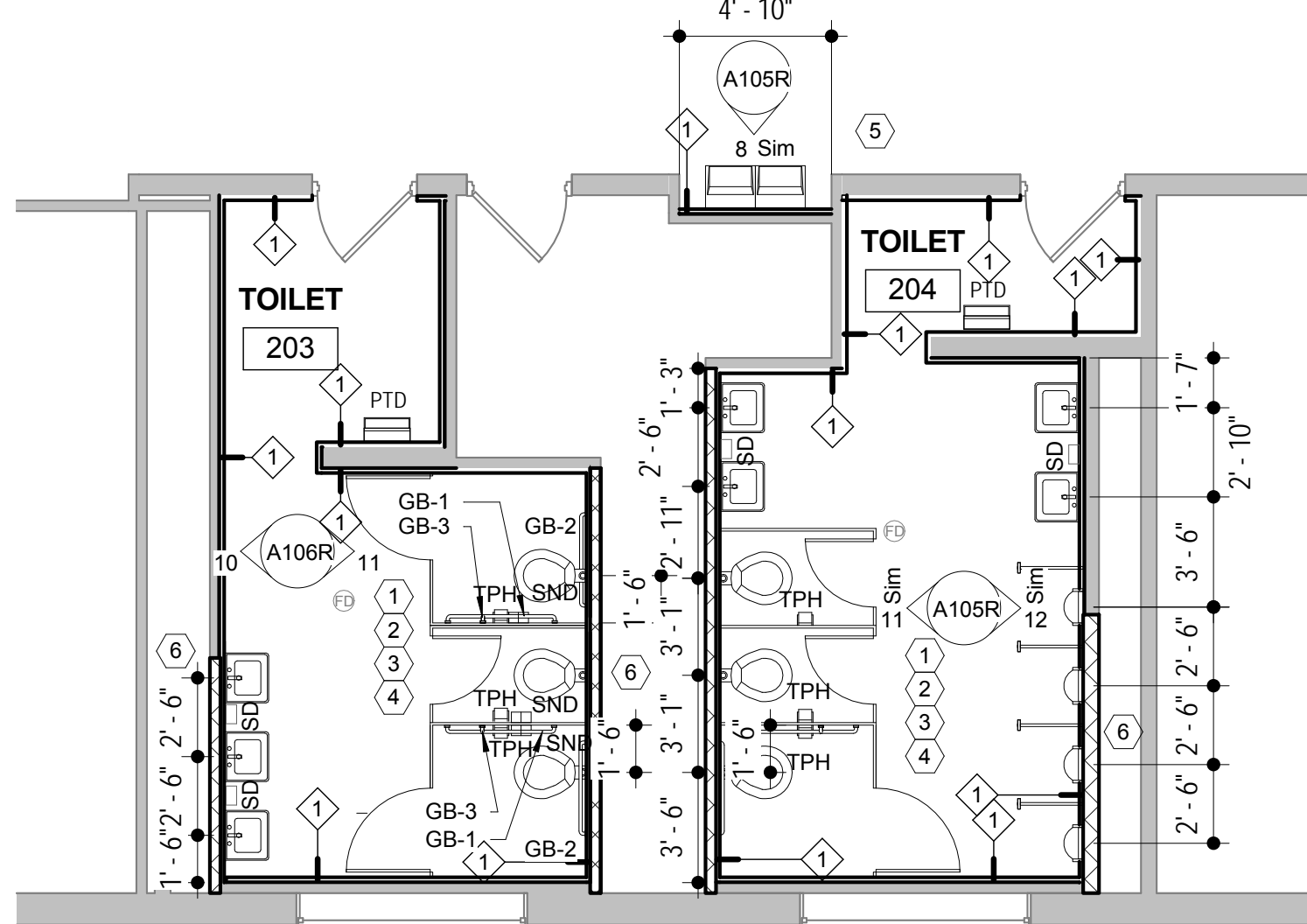
**ENLARGED PLAN
BASE BID**

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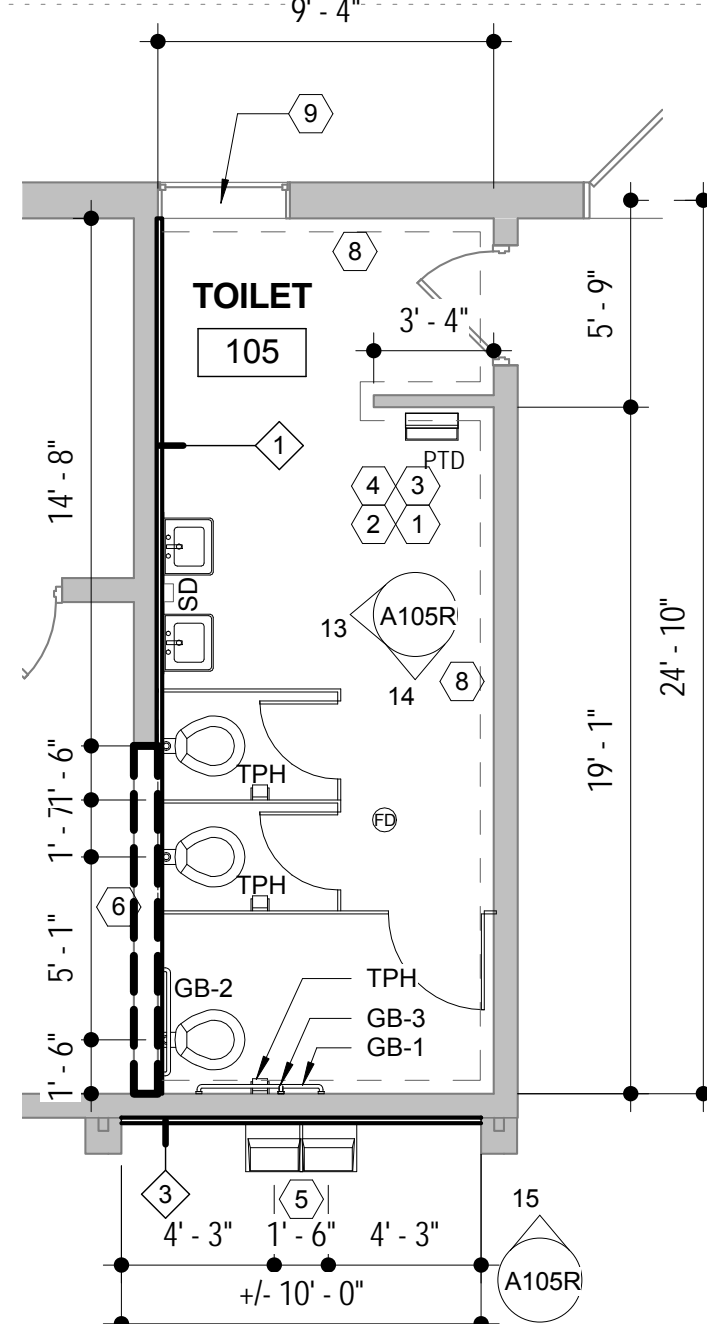
**ENLARGED PLAN
BASE BID**

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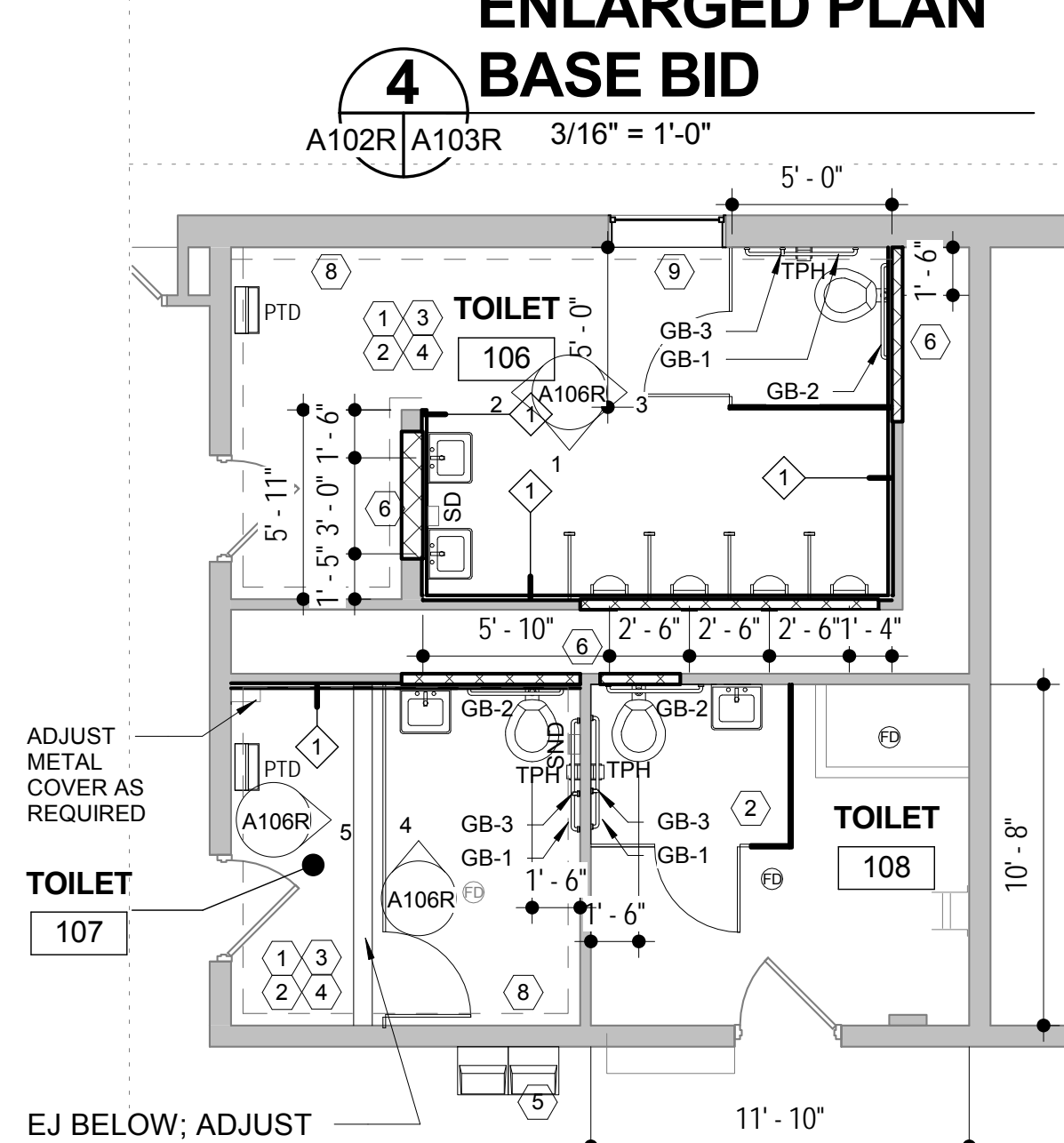
**ENLARGED PLAN
BASE BID**

A102R A103R 3/16" = 1'-0"



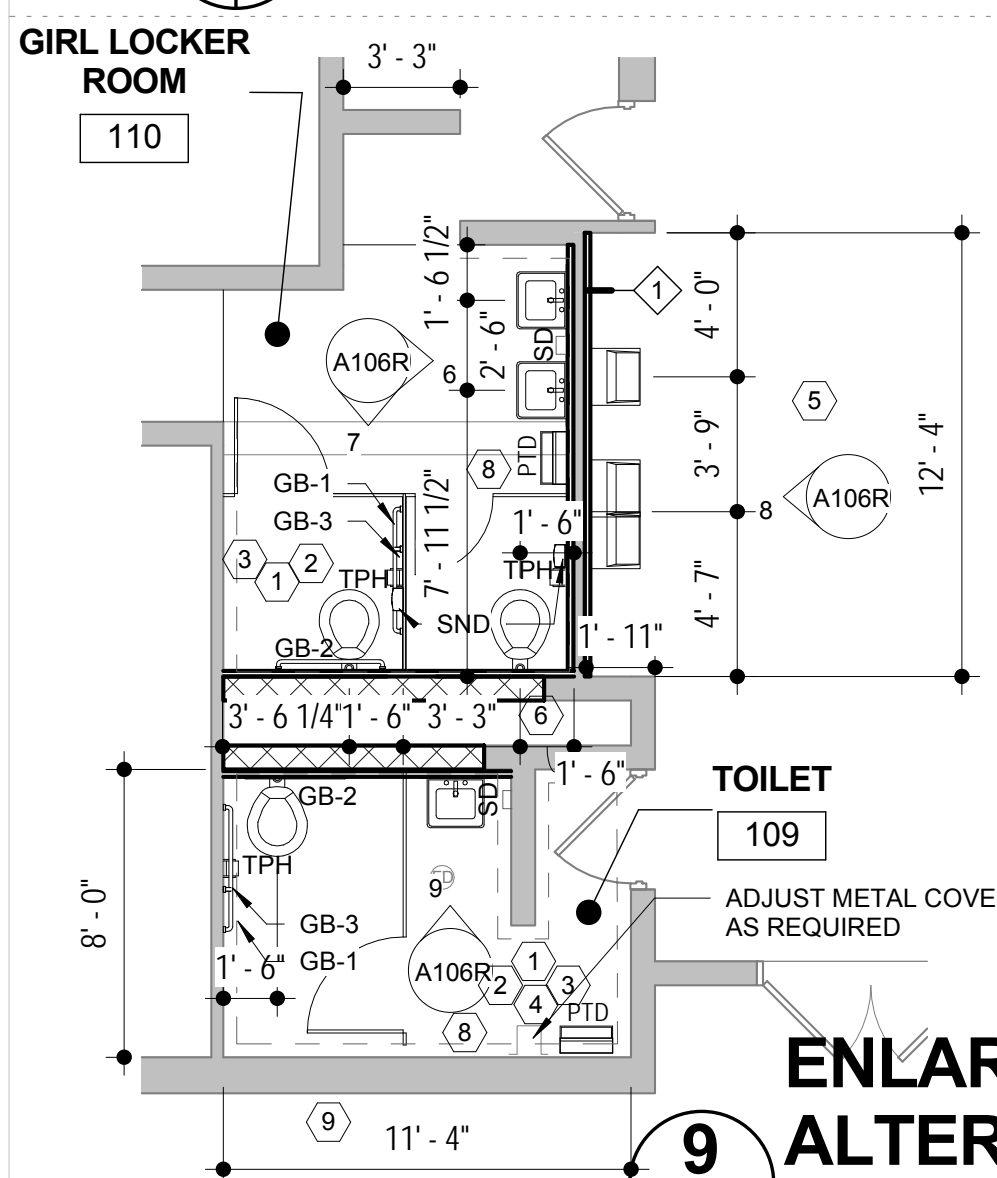
**ENLARGED PLAN
ALTERNATE 01**

A101R A103R 3/16" = 1'-0"



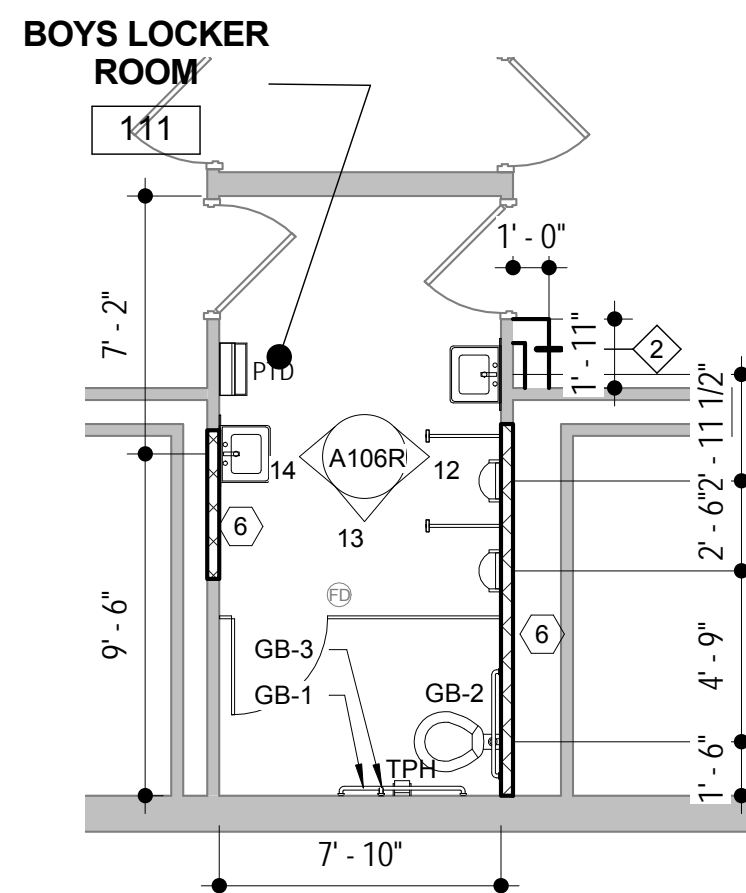
**ENLARGED PLAN
ALTERNATE 01**

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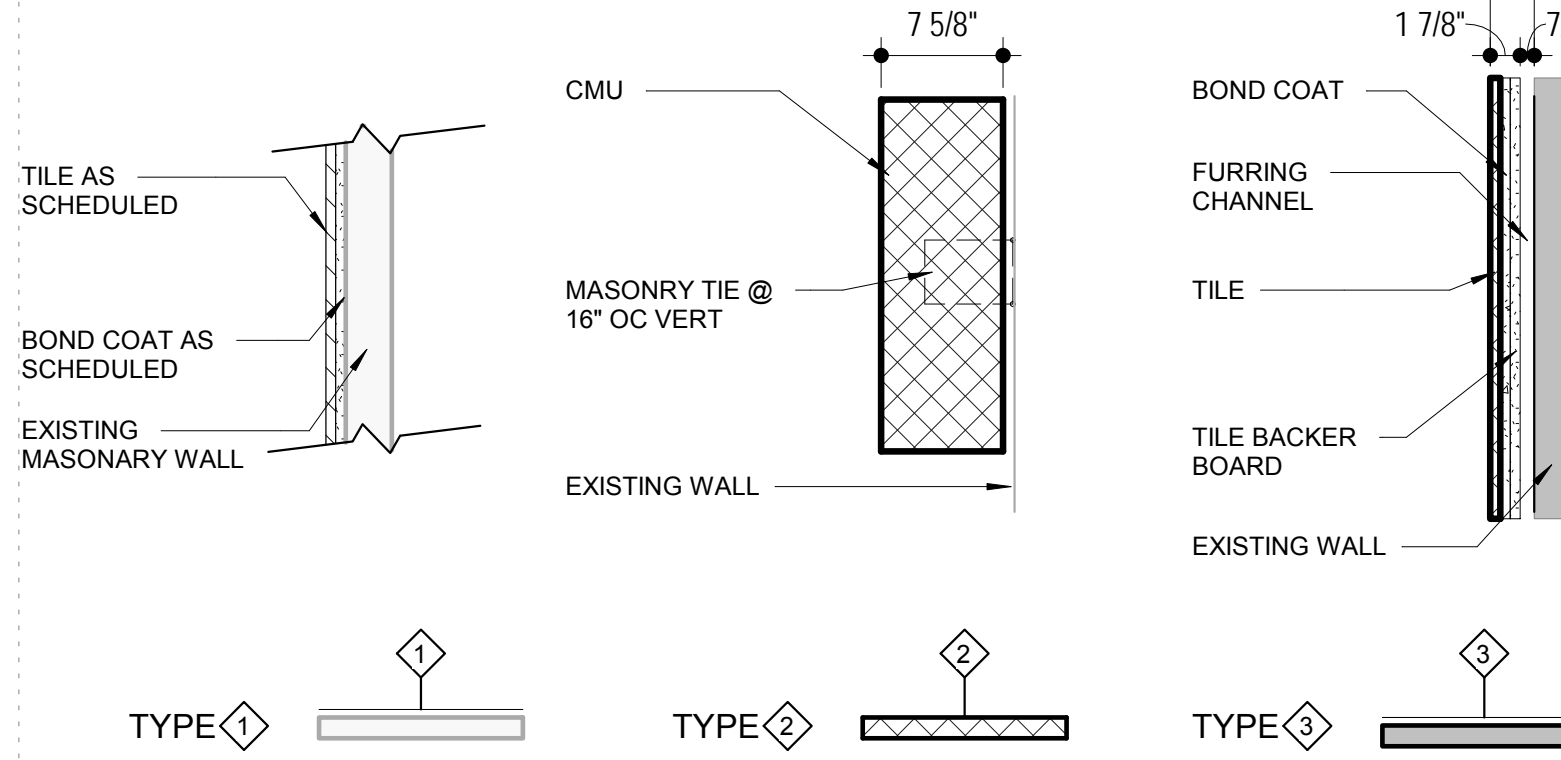
**ENLARGED PLAN
ALTERNATE 02**

A101R A103R 3/16" = 1'-0"



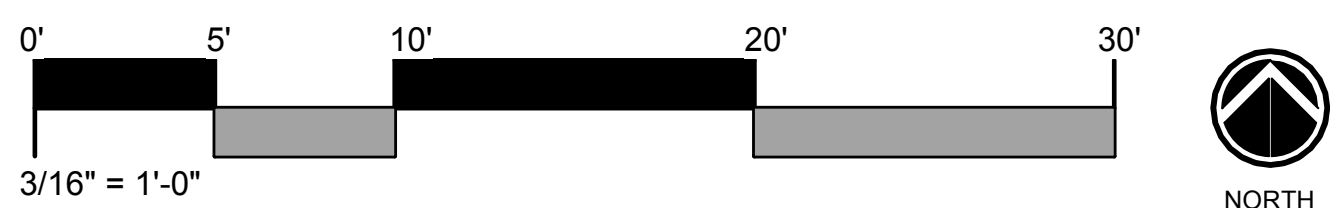
**ENLARGED PLAN
ALTERNATE 02**

A101R A103R 3/16" = 1'-0"



PARTITION TYPES

| TOILET ACCESSORIES LEGEND | | | |
|------------------------------|---------|--------------------------|--------------|
| TAG | MFG | TYPE (DESCRIPTION) | MFG# |
| TPH | BOBRICK | TOILET PAPER HOLDER | B-2740 |
| GB-1 | BOBRICK | GRAB BAR - 42" LONG | B-6806.99X42 |
| GB-2 | BOBRICK | GRAB BAR - 36" LONG | B-6806.99X36 |
| GB-3 | BOBRICK | GRAB BAR - 18" LONG | B-6806.99X18 |
| M1 | BOBRICK | MIRROR - 24" X 36" | B-169 |
| PTD | BOBRICK | PAPER TOWEL DISPENSER | B-262 |
| SD | BOBRICK | SOAP DISPENSER | B-2112 |
| SND | BOBRICK | SANITARY NAPKIN DISPOSAL | B-270 |



GENERAL NOTES:

1. ALL DIMENSIONS ARE TO THE OUTSIDE FACE OF EXISTING WALL UNLESS NOTED OTHERWISE. CONTRACTOR IS TO FIELD VERIFY ALL DIMENSIONS.

2. ALL PARTITIONS ARE TO EXTEND TO THE DECK UNLESS NOTED OTHERWISE.

3. REFER TO PLUMBING AND ELECTRICAL SHEETS FOR ADDITIONAL REQUIREMENTS.

4. REFER TO SHEETS A105-A107 FOR INTERIOR ELEVATIONS. SEE SHEET A107 FOR TYPICAL TILE ELEVATION.

(NOTE: ALL WALLS NOT RECEIVING TILES ARE TO BE PAINTED AND NEW ELECTRICAL COVER PLATES AS SCHEDULED.)

5. THE FINISH FLOOR WILL BE REFERENCED AS 0'-0" AND ALL OTHER FLOOR ELEVATIONS, CEILINGS, ETC. WILL BE REFERENCED FROM THAT ELEVATION OR CORRESPONDING LEVEL.

6. **BASE BID.** THE SCOPE OF WORK CONSISTS OF INSTALLING NEW PLUMBING FIXTURES, TOILET ACCESSORIES, NEW WALL TILE ON THE WET WALLS, PAINTING THE EXISTING WALL THAT DOES NOT RECEIVE NEW WALL TILE, LIGHT FIXTURES, AND NEW FLOOR FINISH IN THE RESTROOM AREA FOR THE 2 STORY PORTION OF THE BUILDING DESIGNATED AS WING 1.

7. **ADD ALTERNATE 01.** THE SCOPE OF WORK CONSISTS OF INSTALLING NEW PLUMBING FIXTURES, TOILET ACCESSORIES, NEW WALL TILE ON THE WET WALLS, PAINTING THE EXISTING WALL THAT DOES NOT RECEIVE NEW WALL TILE, LIGHT FIXTURES, AND NEW FLOOR FINISH IN THE RESTROOM AREA FOR THE 1 STORY PORTION OF THE BUILDING DESIGNATED AS WING 2.

8. **ADD ALTERNATE 02.** THE SCOPE OF WORK CONSISTS OF INSTALLING NEW PLUMBING FIXTURES, TOILET ACCESSORIES, NEW WALL TILE ON THE WET WALLS, PAINTING THE EXISTING WALL THAT DOES NOT RECEIVE NEW WALL TILE, LIGHT FIXTURES, AND NEW FLOOR FINISH IN THE RESTROOM AREA FOR THE 1 STORY PORTION OF THE BUILDING LOCATED BEHIND THE GYMNASIUM.

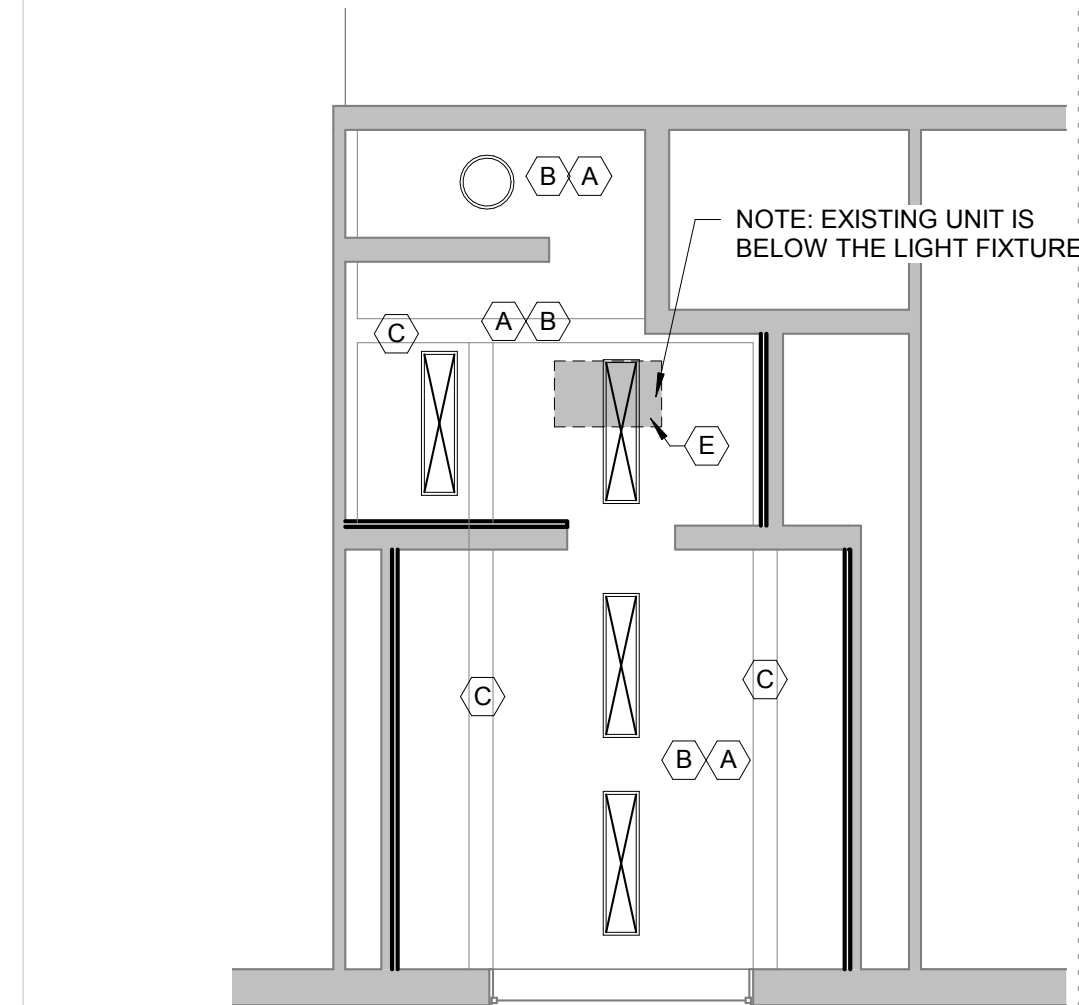
9. **ADD ALTERNATE 03.** THE SCOPE OF WORK IS AS FOLLOWS: ALL WALLS IN THE RESTROOMS ARE TO BE TILED TO THE HEIGHT OF EXISTING DECK OR STRUCTURE. SEE ALTERNATE ELEVATION FOR ADDITIONAL INFORMATION. REFER TO TYPICAL TILE ELEVATION FOR TILE LAYOUT.

(NOTE: DOTTED LINES ON PLANS INDICATES THE ALTERNATE SCOPE OF WORK.)

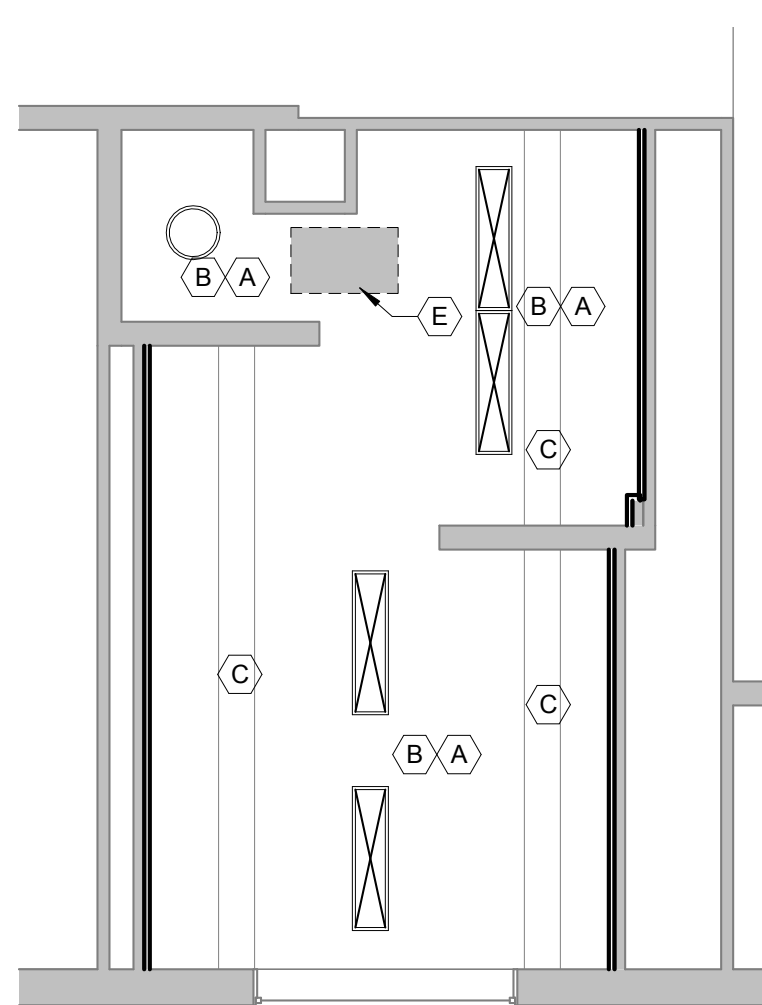
10. **ADD ALTERNATE 04.** THE SCOPE OF WORK IS AS FOLLOWS: PROVIDE MILLWORK AND COUNTERS WITH VANITIES INSERT AS SCHEDULED IN LIEU OF SINGLE WALL MOUNTED VANITIES. SEE ALTERNATE PLANS AND ELEVATIONS FOR ADDITIONAL INFORMATION.

CONSTRUCTION NOTES

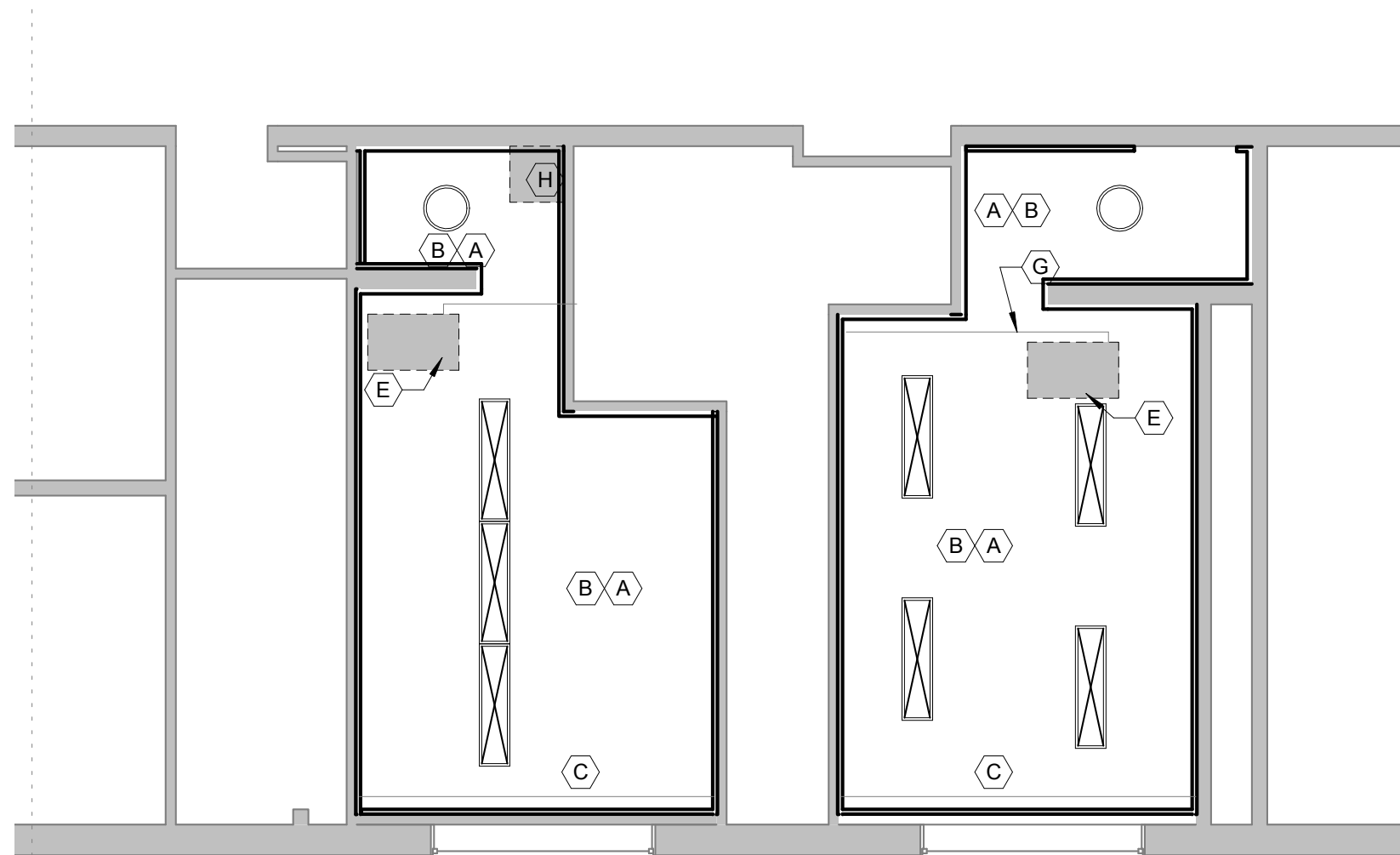
| Keynote Number | Description |
|----------------|---|
| 1 | GC TO PREP EXISTING FLOOR FOR NEW FLOOR FINISH. |
| 2 | PROVIDE NEW URINAL AND TOILET PARTITIONS. |
| 3 | GC TO REPAIR AND PREP WALL TO RECEIVE NEW FINISH. COORDINATE WITH PLUMBING AND ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION. |
| 4 | PREP AND PAINT EXISTING CEILING. COLOR AS SCHEDULED. SEE SHEET A104 FOR ADDITIONAL INFORMATION. |
| 5 | PROVIDE NEW DRINKING FOUNTAIN. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION. GC TO PATCH AND REPAIR WALL / FLOOR AS REQUIRED. ON FLOOR REPAIR PROVIDE NEW VCT MATERIAL IS TO MATCH THE ADJACENT FLOOR FINISH IN SIZE AND COLOR. |
| 6 | GC TO MODIFY THE WALL AS REQUIRED TO INSTALL NEW FIXTURE COMPONENTS. GC SHALL INSTALL NEW MATERIAL THAT MATCHES THE ADJACENT WALL MATERIAL UNLESS OTHERWISE NOTED. GC SHALL COORDINATE THE INSTALLATION OF NEW COMPONENTS WITH THE PLUMBING DRAWINGS. |
| 7 | WALL DRAIN TO REMAIN. MODIFY AS REQUIRED TO INSTALL NEW WORK. SEE PLUMBING FOR ADDITIONAL INFORMATION. |
| 8 | ADD ALTERNATE. PROVIDE NEW WALL TILE UP TO EXISTING DECK OR STRUCTURE. |
| 9 | ADD ALTERNATE. PROVIDE NEW TILE IN WINDOW JAMB AND HEAD. PROVIDE SS-1 IN THE SILL. SS-1 TO OVER HANG WALL TILE BY 1". |



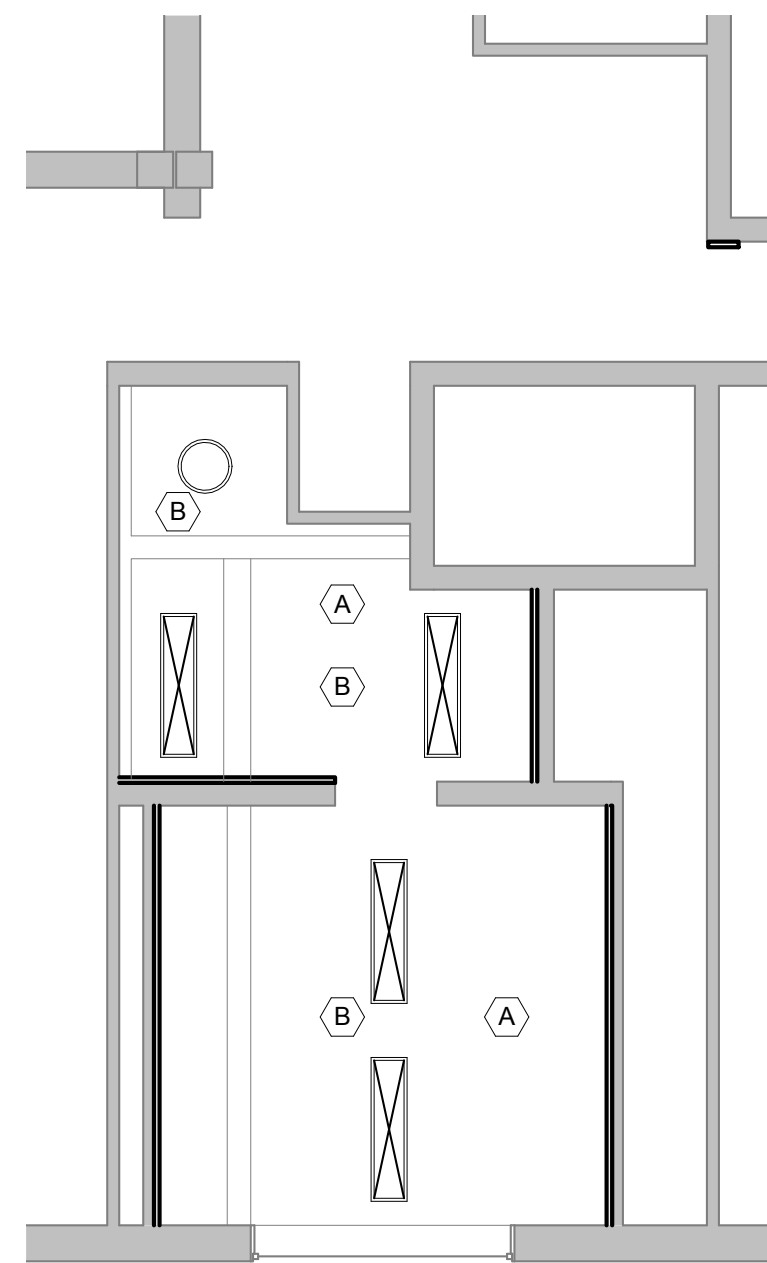
1
ENLARGED REFLECTED CEILING PLAN - BASE BID
A105R | A104R 3/16" = 1'-0"



2
ENLARGED REFLECTED CEILING PLAN - BASE BID
A105R | A104R 3/16" = 1'-0"



3
ENLARGED REFLECTED CEILING PLAN - BASE BID
A105R | A104R 3/16" = 1'-0"



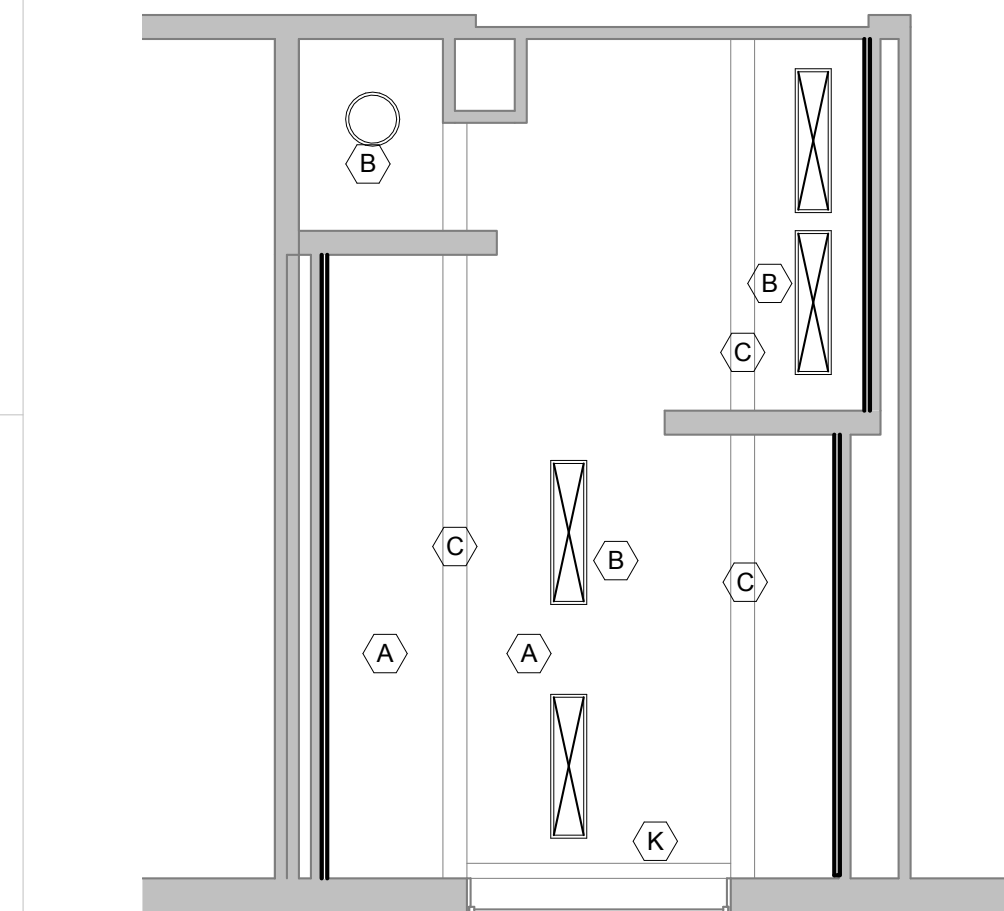
4
ENLARGED REFLECTED CEILING PLAN - BASE BID
A105R | A104R 3/16" = 1'-0"

GENERAL NOTES

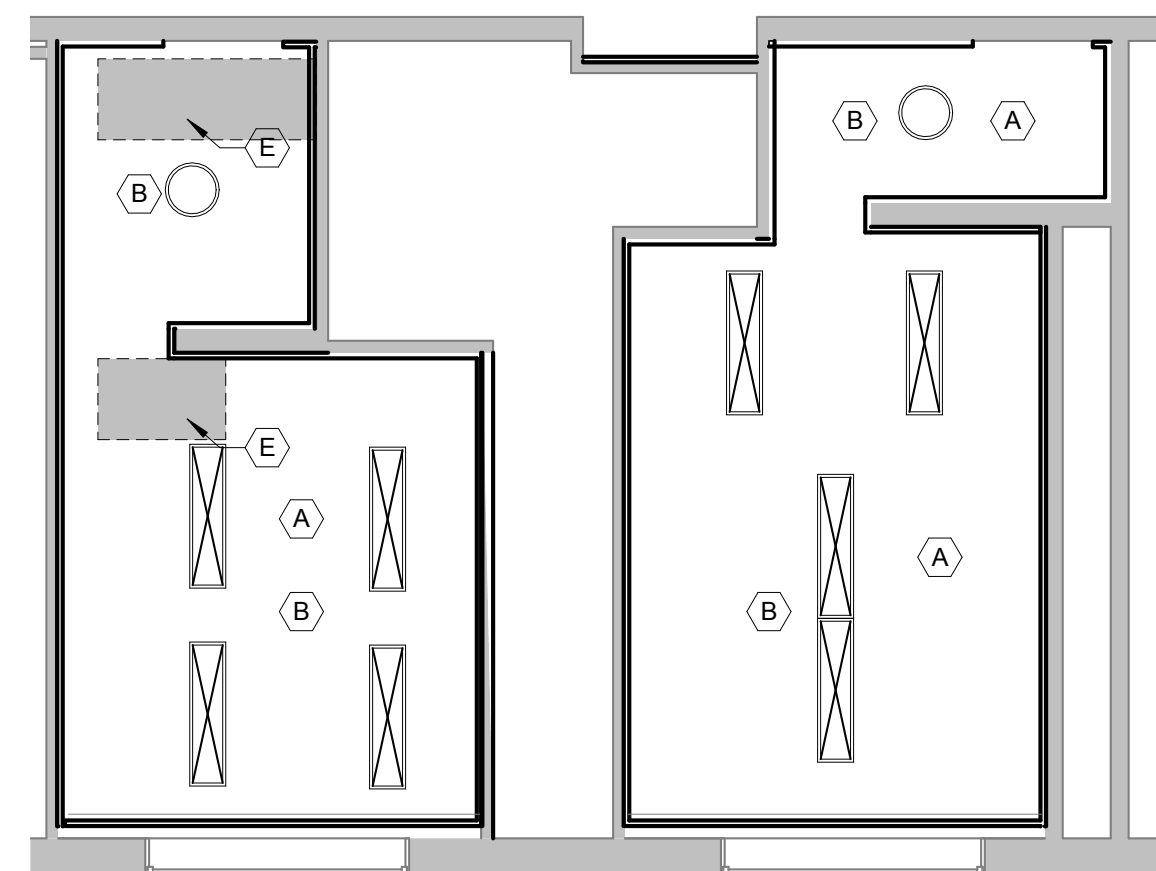
1. GENERAL CONTRACTOR RESPONSIBLE FOR THE COORDINATION OF MECHANICAL AND ELECTRICAL ITEMS NOT INDICATED ON THIS SHEET. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATIONS OF CEILING MOUNTED SMOKE DETECTORS, FIRE ALARM DEVICES, SPEAKERS, EXIT LIGHTS, ETC.
2. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION CONCERNING EXISTING UNITS AND PIPING.
3. GC IS TO CLEAN AND PAINT ALL EXISTING GRILLES. GC IS ENSURE THAT THE OPENING OF THE GRILLES ARE TO REMAIN CLEAR TO ALLOW AIR FLOW AS DESIGNED.

RCP LEGEND

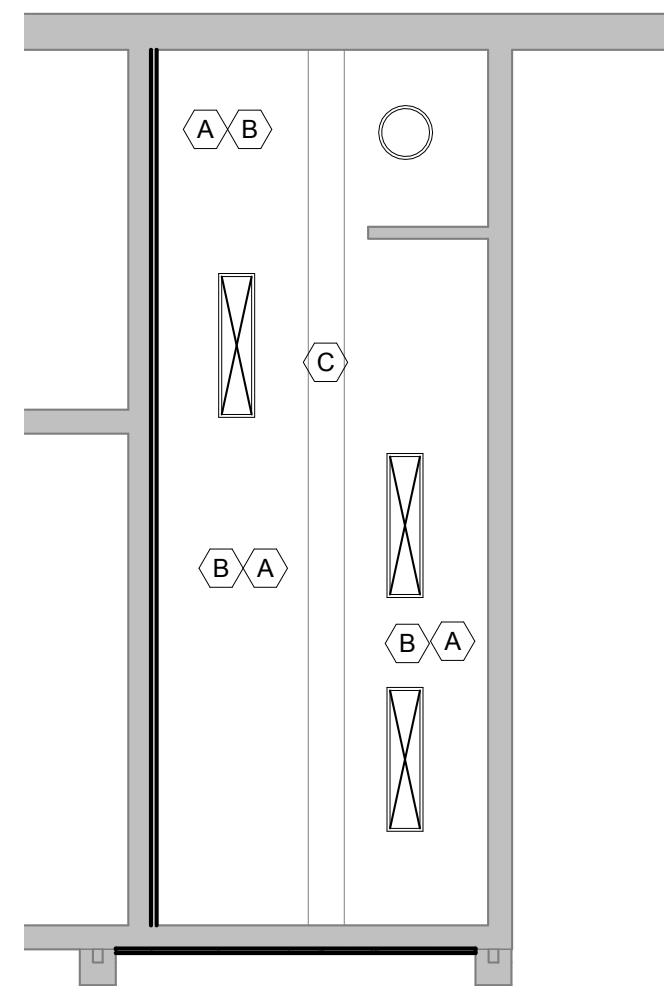
- CAN DOWNLIGHT
- 1' x 4' SURFACE MOUNTED FIXTURE
- TECTUM DECK CEILING



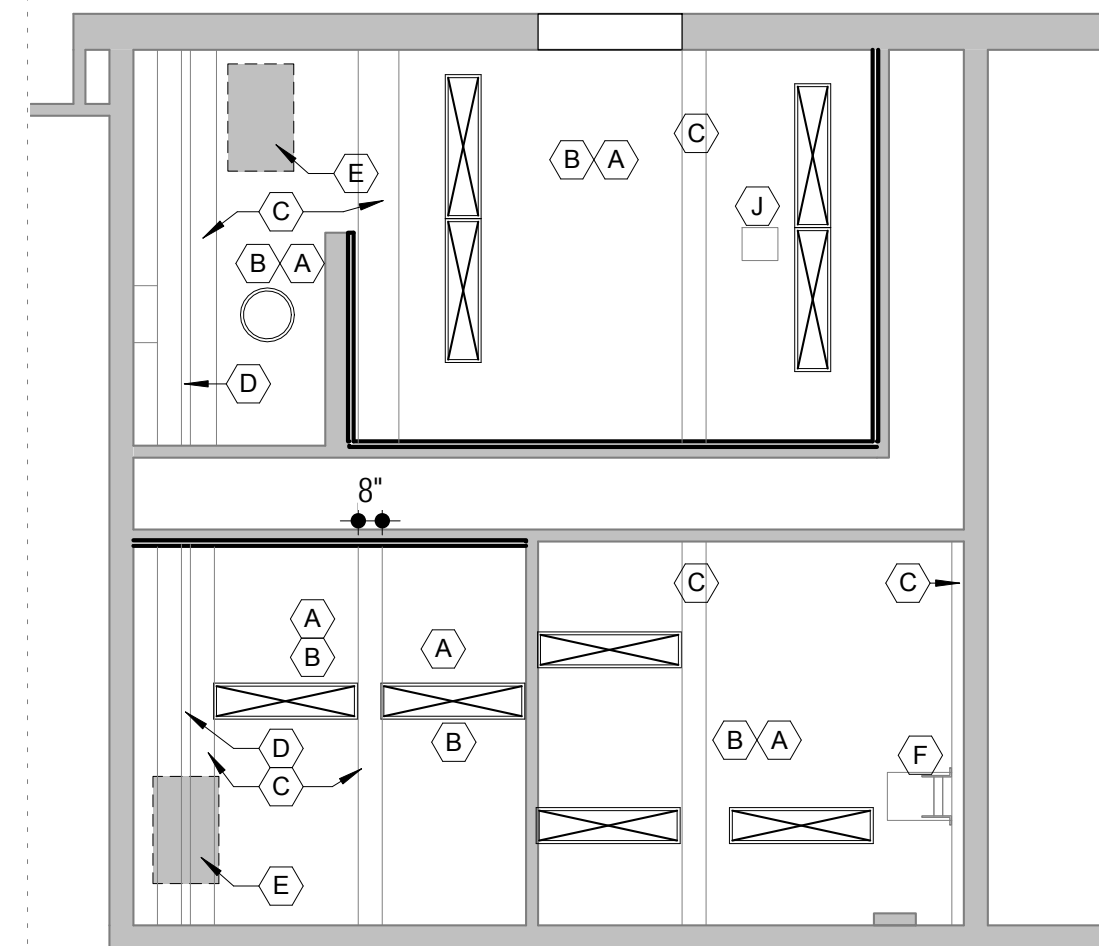
5
ENLARGED REFLECTED CEILING PLAN - BASE BID
A105R | A104R 3/16" = 1'-0"



6
ENLARGED REFLECTED CEILING PLAN - BASE BID
A105R | A104R 3/16" = 1'-0"



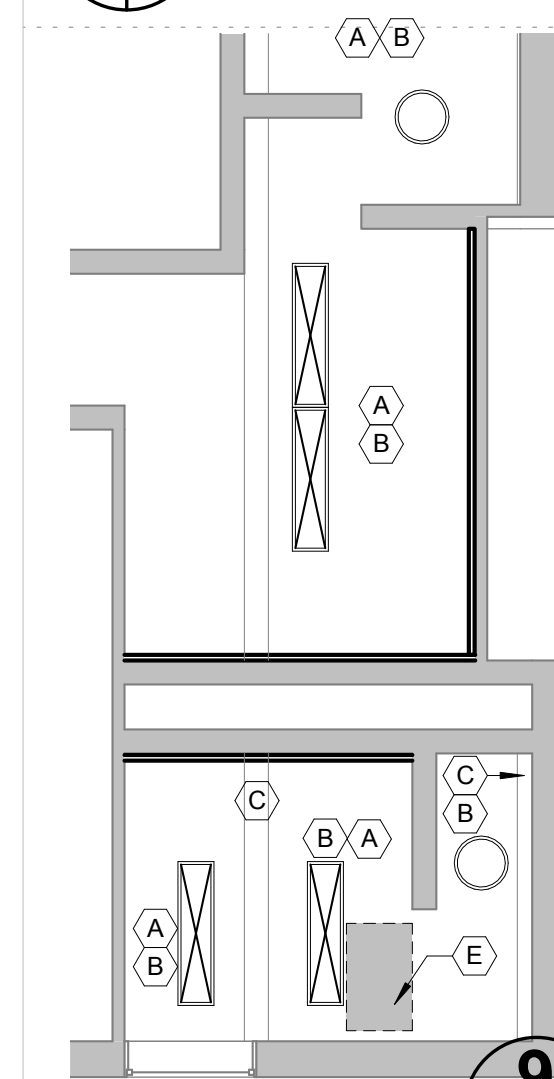
7
ENLARGED REFLECTED CEILING PLAN - ALTERNATE 01
A105R | A104R 3/16" = 1'-0"



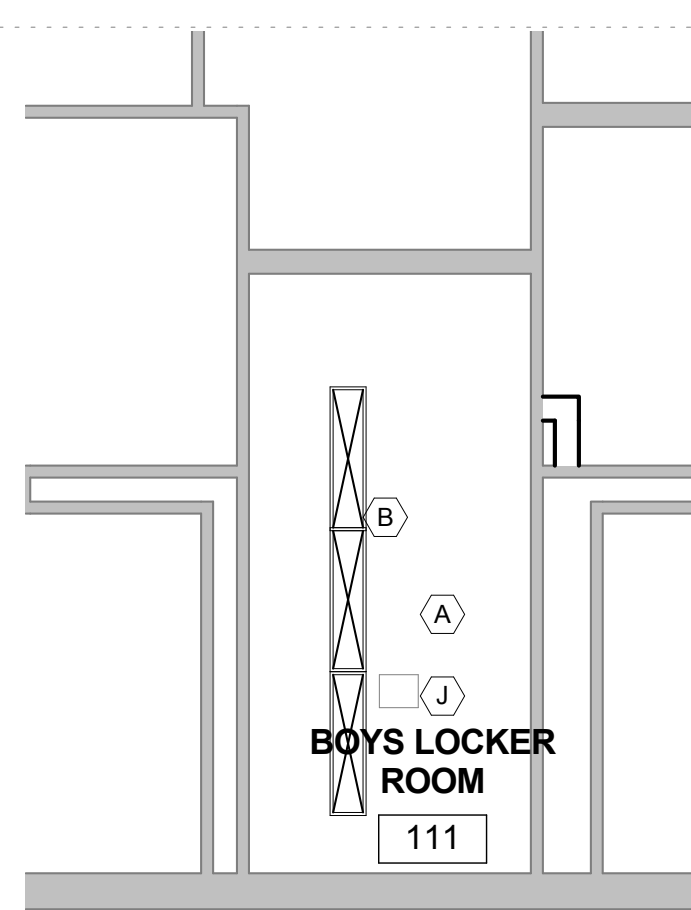
8
ENLARGED REFLECTED CEILING PLAN - ALTERNATE 01
A105R | A104R 3/16" = 1'-0"

CONSTRUCTION KEY NOTES

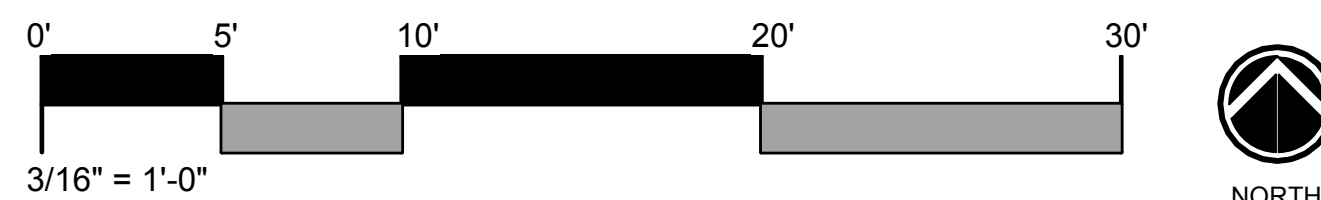
| | |
|---|---|
| A | EXISTING TECTUM DECK CEILING TO REMAIN. ADJUST AND REPAIR AS REQUIRED TO INSTALL NEW SCOPE OF WORK. GC IS TO CLEAN AND PAINT EXISTING CEILING. SEE SHEET A701 FOR MORE INFORMATION. |
| B | PROVIDE NEW LIGHT FIXTURE. SEE ELECTRICAL FOR ADDITIONAL INFORMATION. |
| C | EXISTING STRUCTURE TO REMAIN. GC TO PREP TO RECEIVE NEW PAINT. SEE SHEET A701 FOR MORE INFORMATION. |
| D | EXISTING EXPANSIONJOINT COVER TO REMAIN. GC TO PAINT TO MATCH ADJACENT COLOR. |
| E | EXISTING MECHANICAL UNIT AND RELATED STRUCTURE. GC TO PREP UNIT TO RECEIVE NEW PAINT FINISH TO MATCH THE ADJACENT PAINT COLOR. SEE MECHANICAL DRAWING FOR ADDITION INFORMATION. |
| F | EXISTING ROOF HATCH AND LADDER TO REMAIN. ADJUST AS REQUIRED TO PERFORM THE SCOPE OF WORK. |
| G | GC TO REPAIR PIPING AS REQUIRED. SEE MECHANICAL DRAWING FOR ADDITION INFORMATION. |
| H | MECHANICAL DUCT TO REMAIN. SEE MECHANICAL DRAWING FOR ADDITION INFORMATION. |
| J | GC IS TO CLEAN AND PAINT ALL EXISTING GRILLES. GC IS ENSURE THAT THE OPENING OF THE GRILLES ARE TO REMAIN CLEAR TO ALLOW AIR FLOW AS DESIGNED. |
| K | GC TO REINSTALL EXISTING TRIM AND PREP TRIM TO RECEIVE NEW FINISH. |

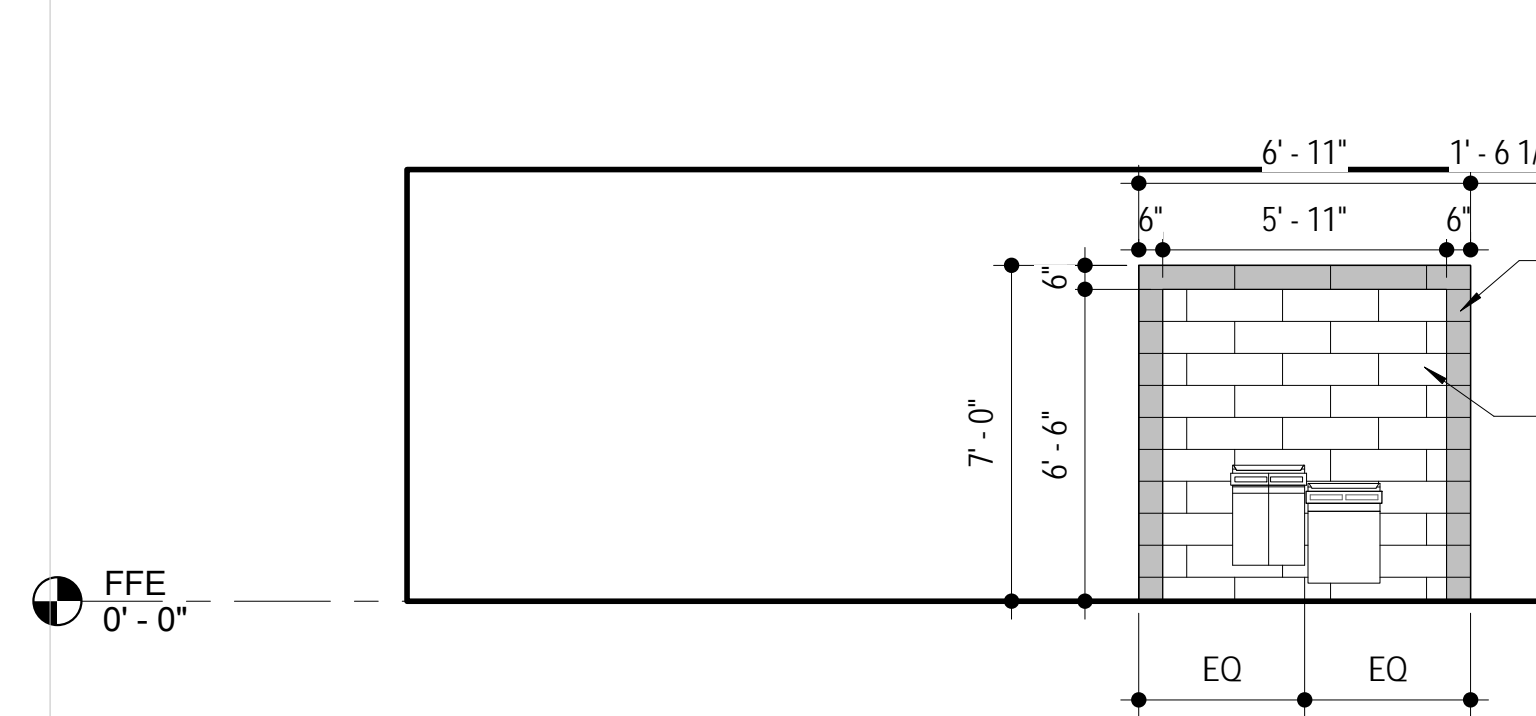


9
ENLARGED REFLECTED CEILING PLAN ALTERNATE 02
A105R | A104R 3/16" = 1'-0"

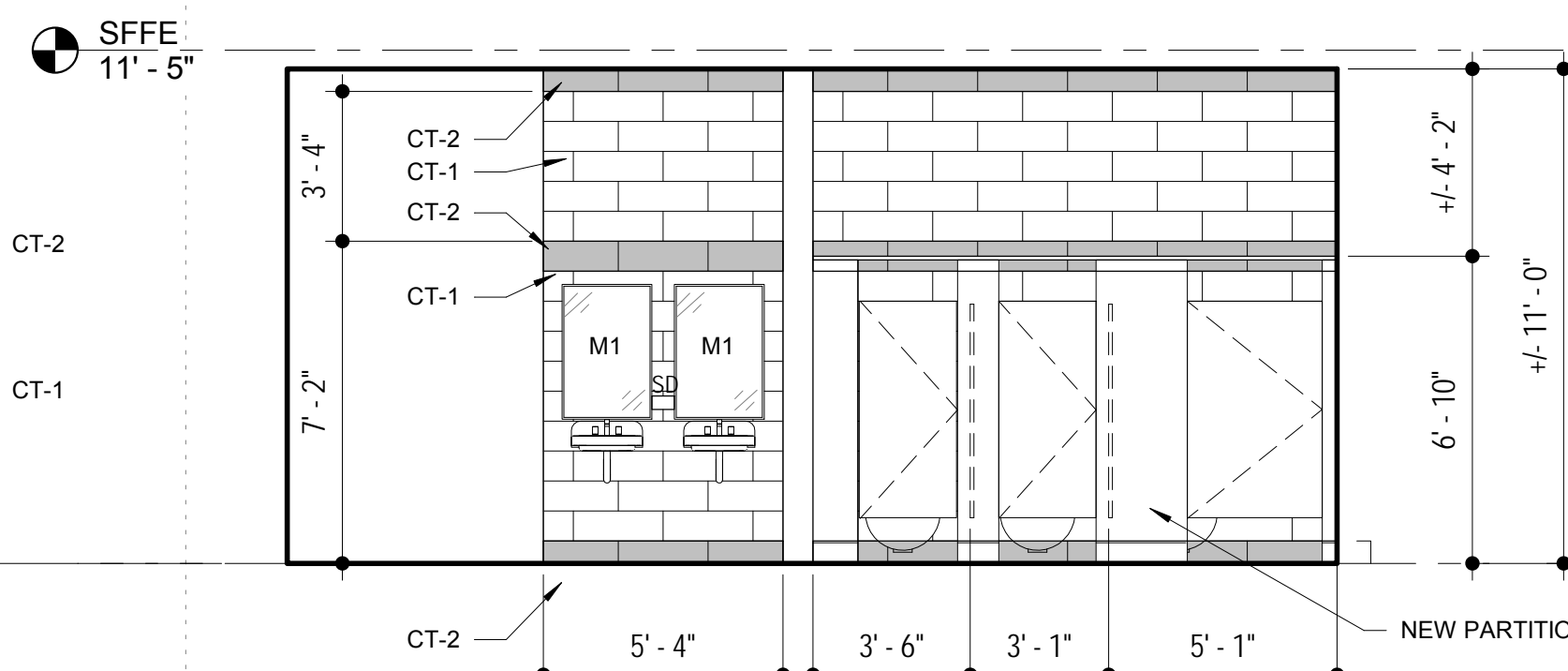


10
ENLARGED REFLECTED CEILING PLAN ALTERNATE 02
A105R | A104R 3/16" = 1'-0"

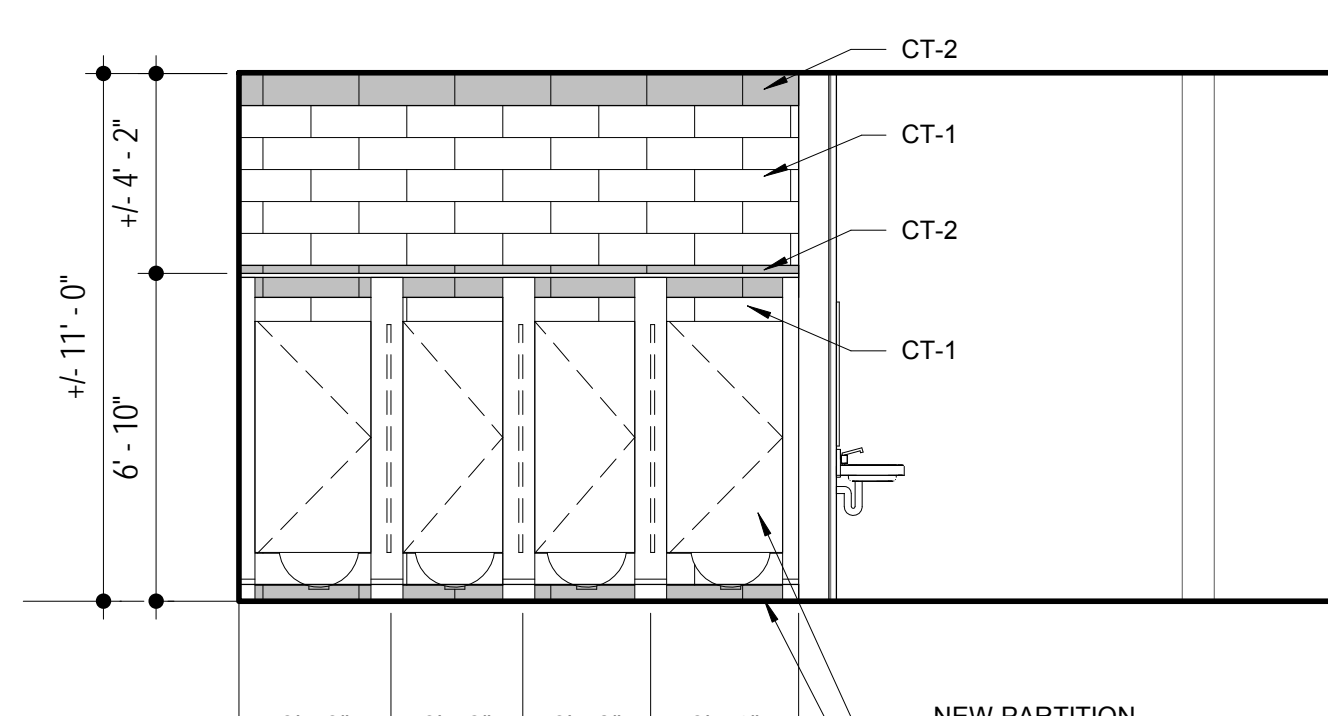




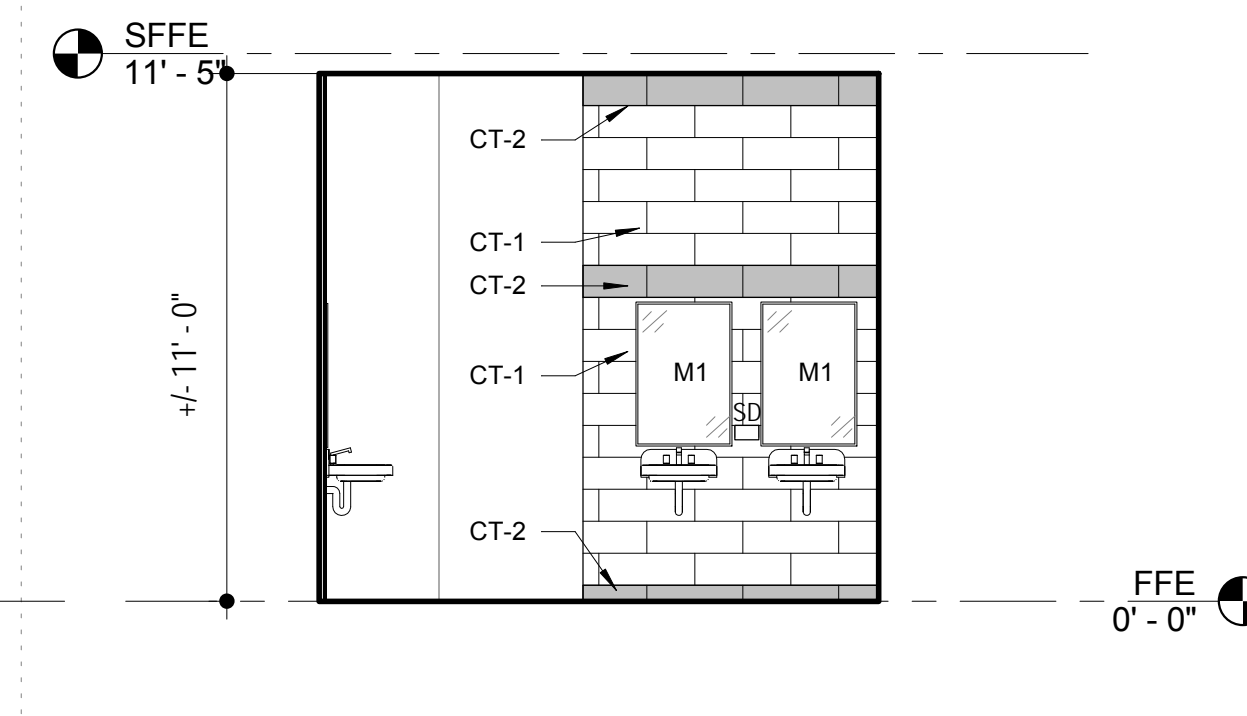
1 INTERIOR ELEVATION
A103R | A105R 1/4" = 1'-0"



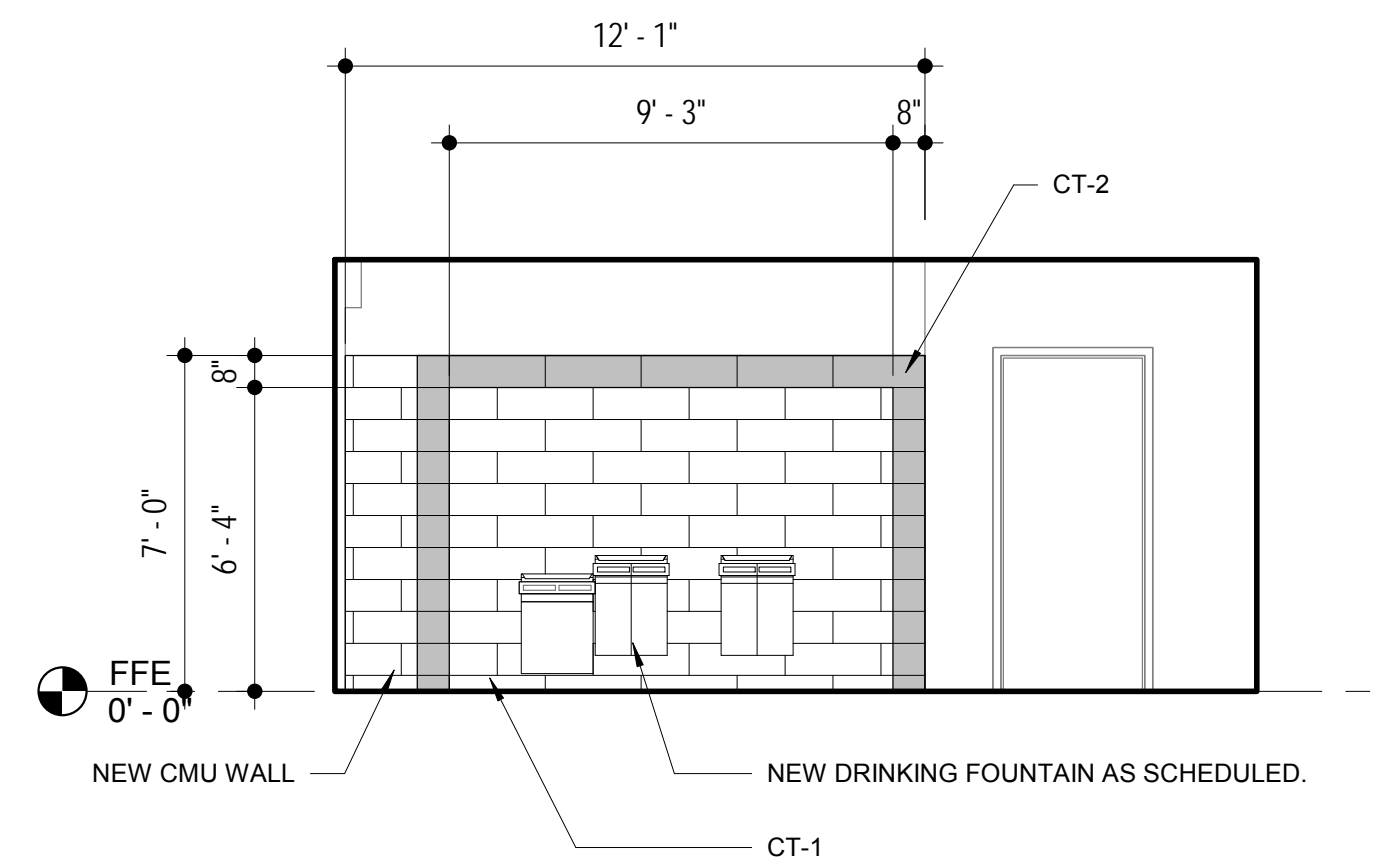
2 INTERIOR ELEVATION
A103R | A105R 1/4" = 1'-0"



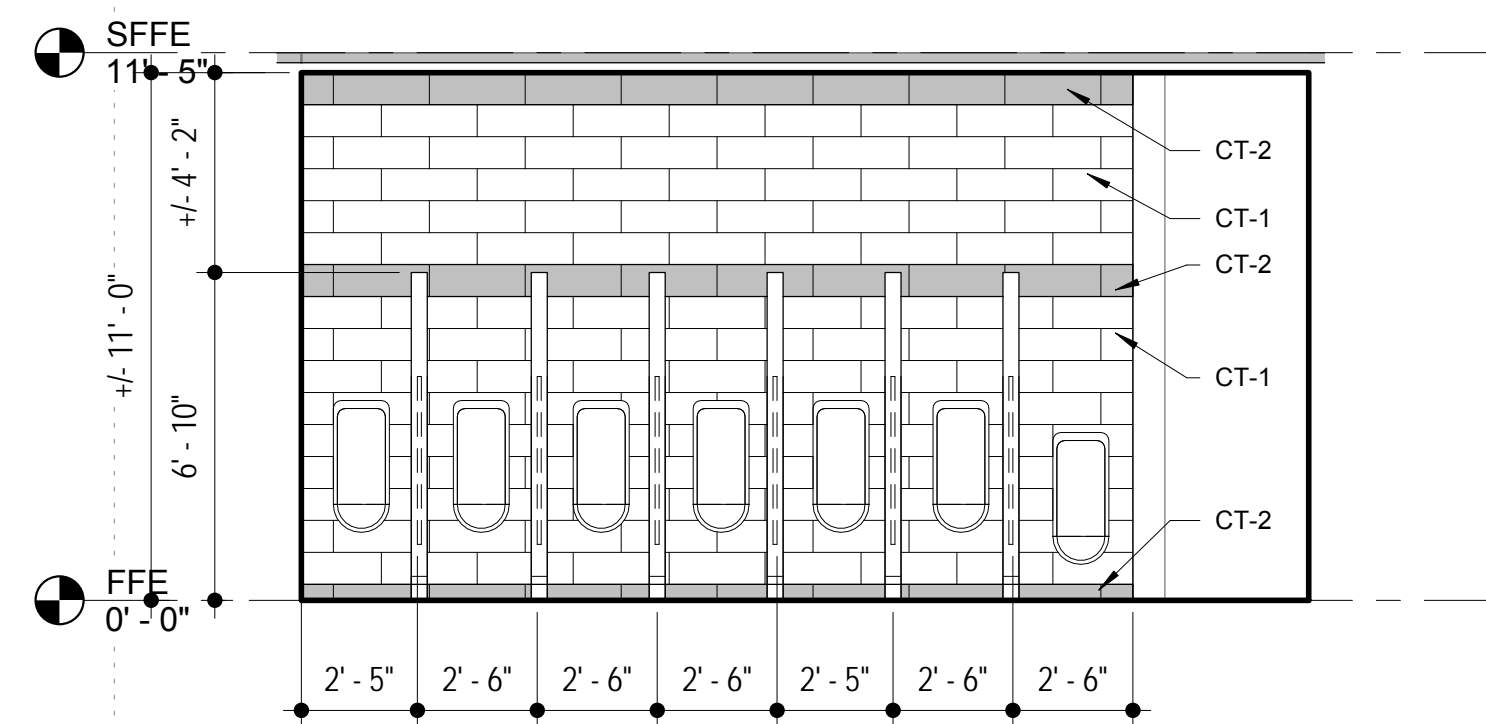
3 INTERIOR ELEVATION
A103R | A105R 1/4" = 1'-0"



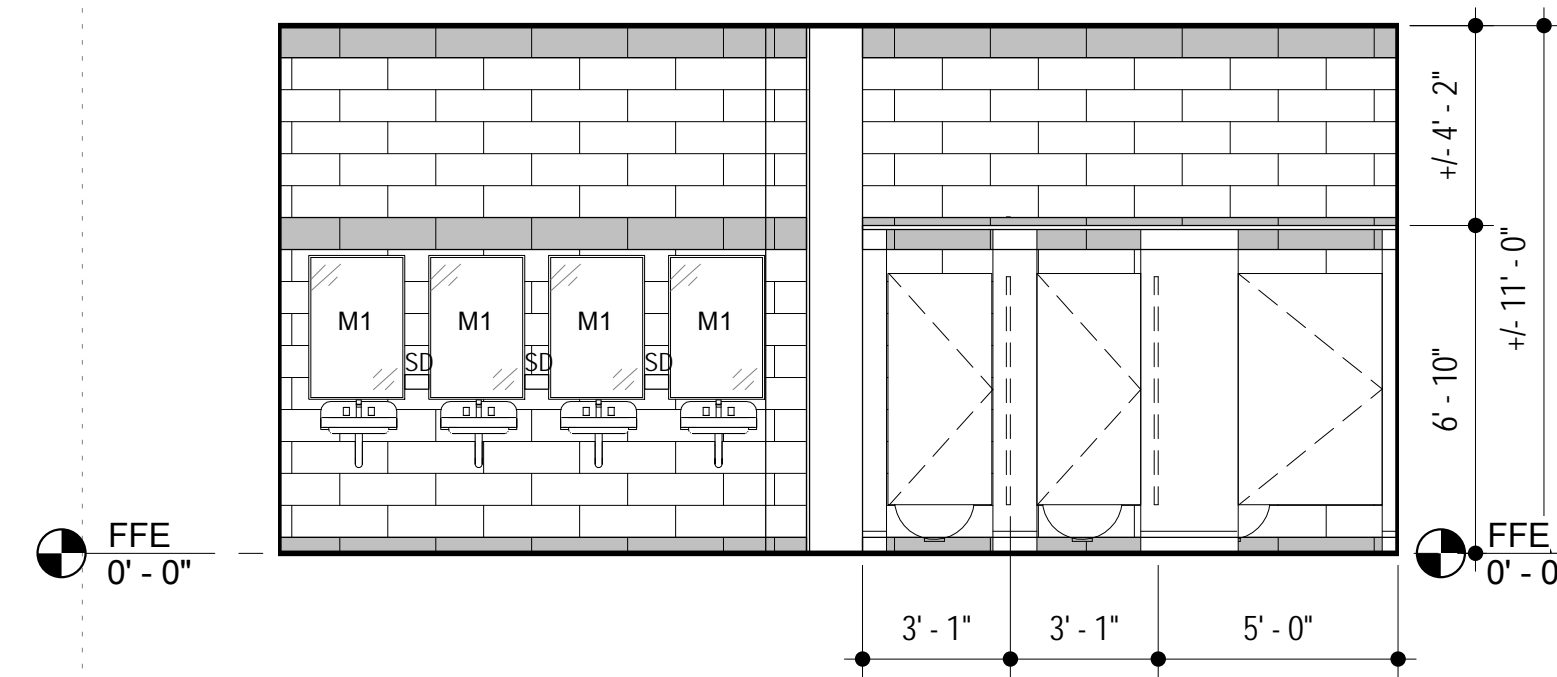
4 INTERIOR ELEVATION
A103R | A105R 1/4" = 1'-0"



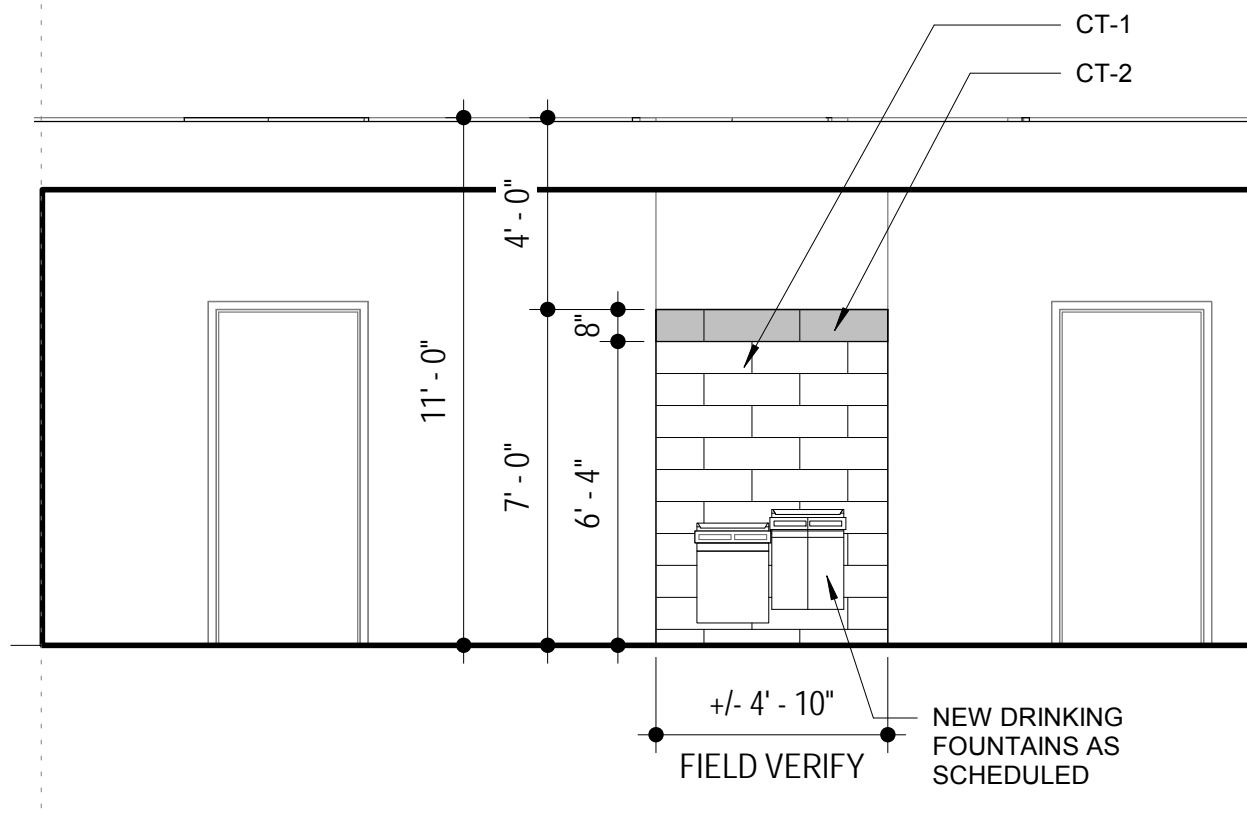
5 INTERIOR ELEVATION
A103R | A105R 1/4" = 1'-0"



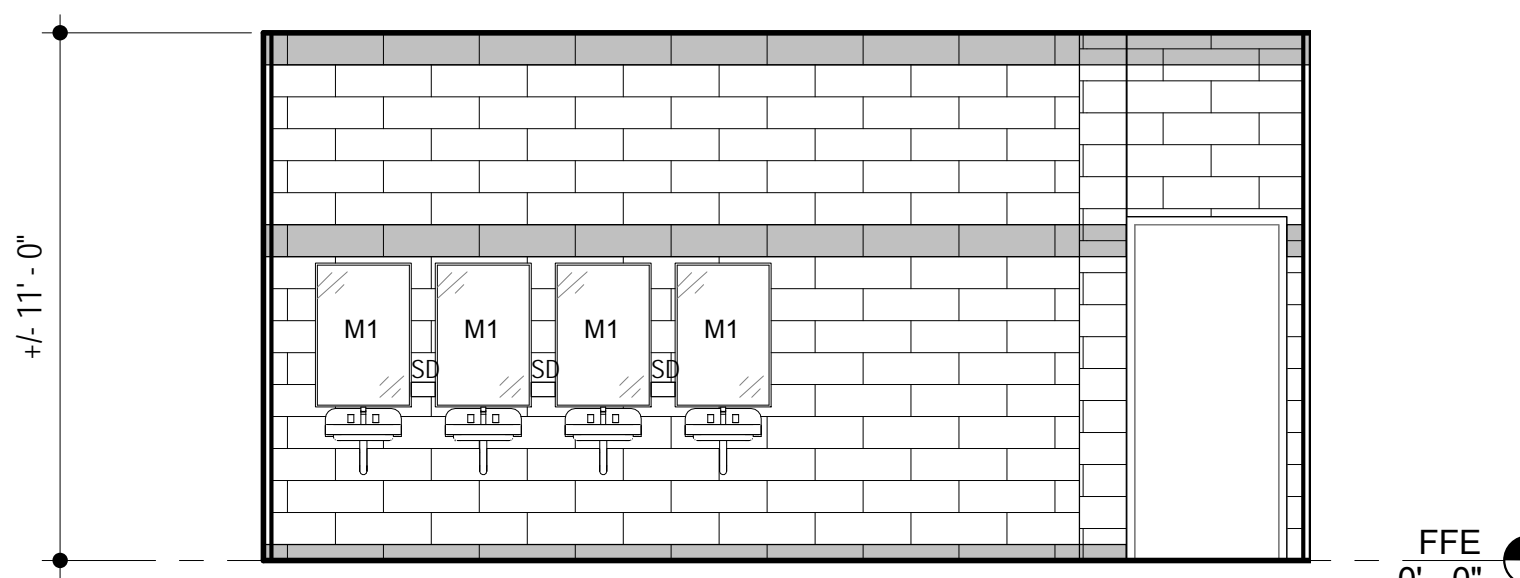
6 INTERIOR ELEVATION
A103R | A105R 1/4" = 1'-0"



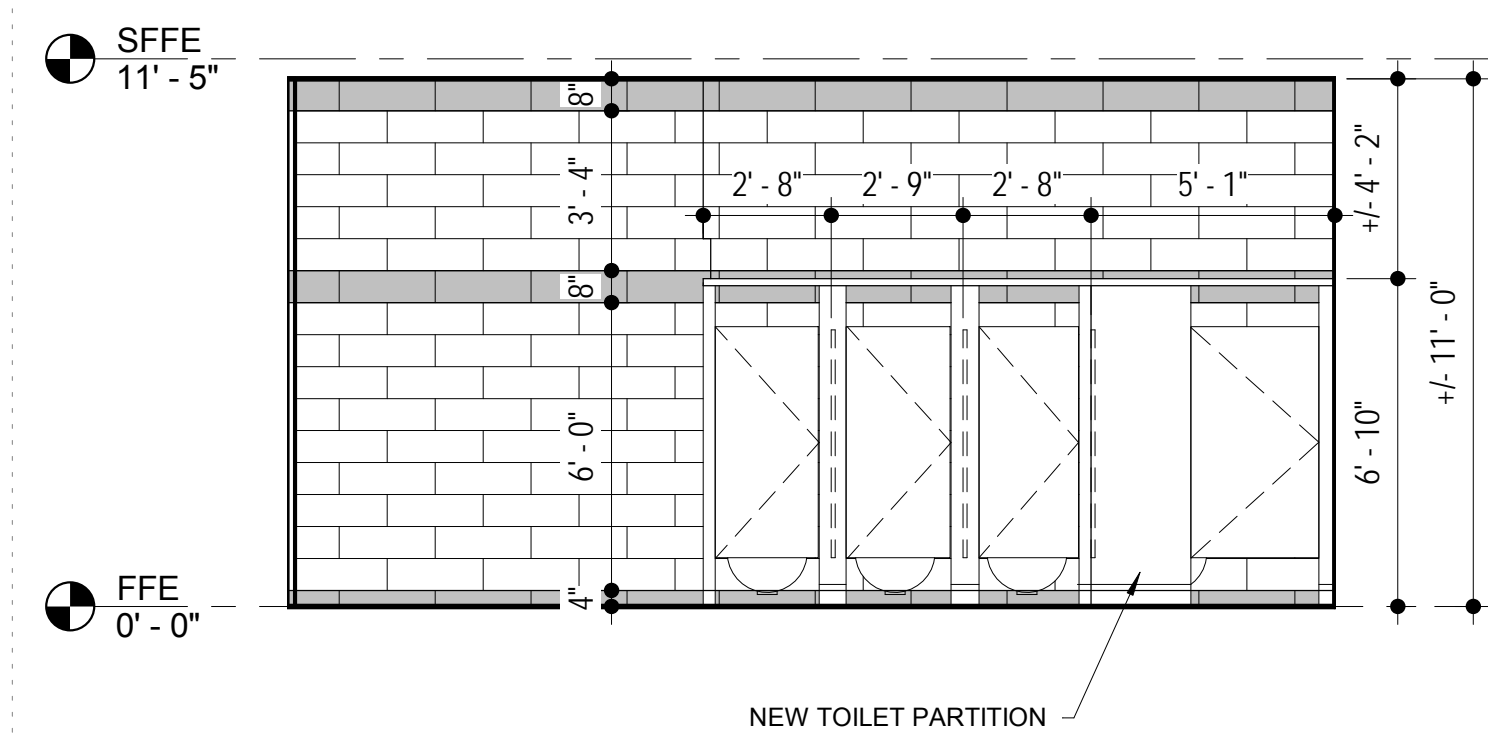
7 INTERIOR ELEVATION
A103R | A105R 1/4" = 1'-0"



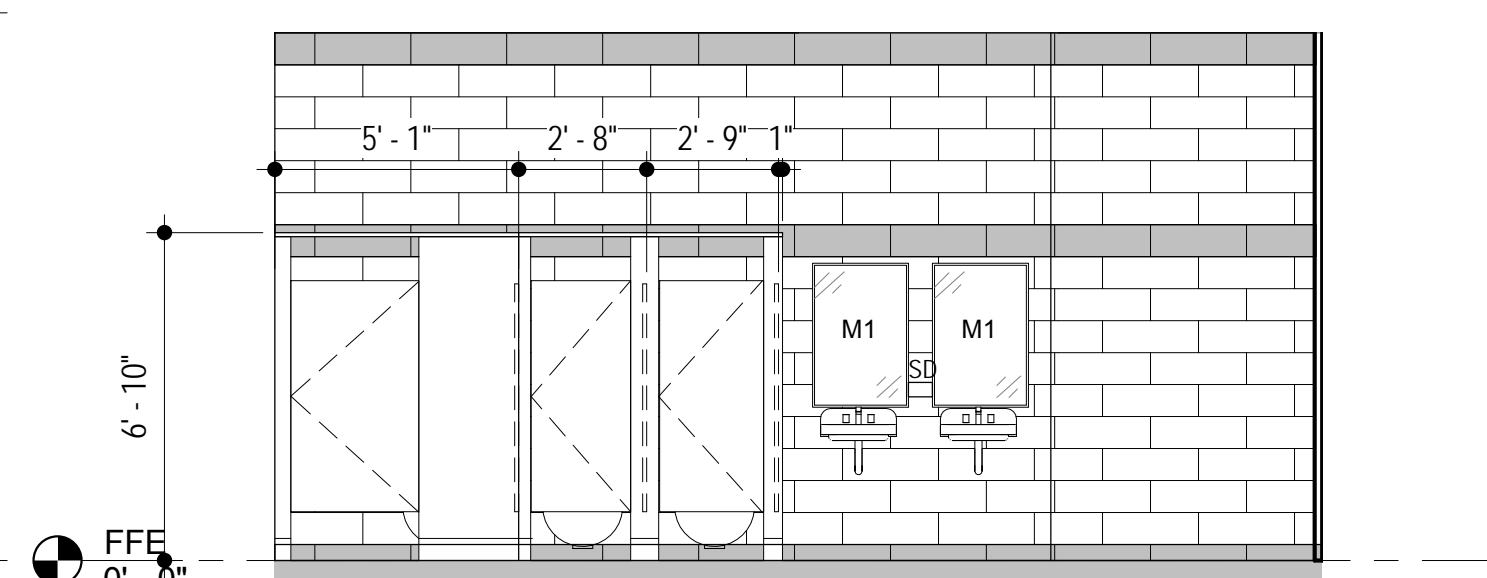
8 INTERIOR ELEVATION
A103R | A105R 1/4" = 1'-0"



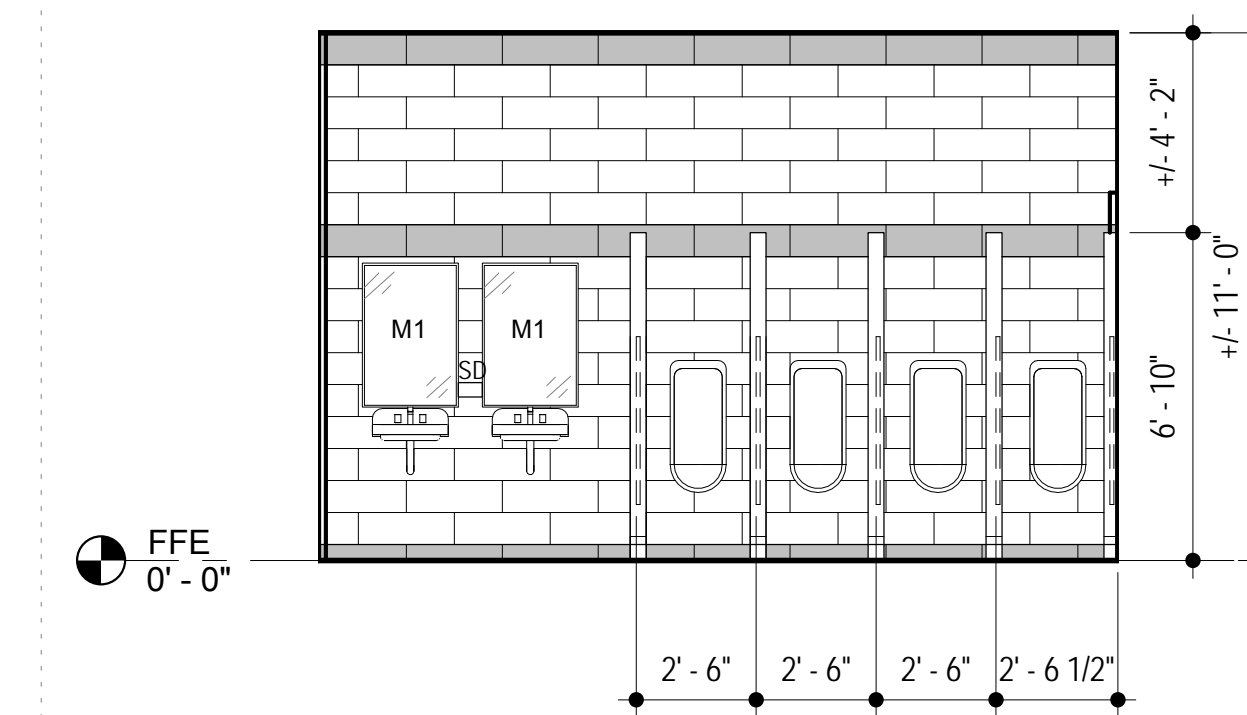
9 INTERIOR ELEVATION
A103R | A105R 1/4" = 1'-0"



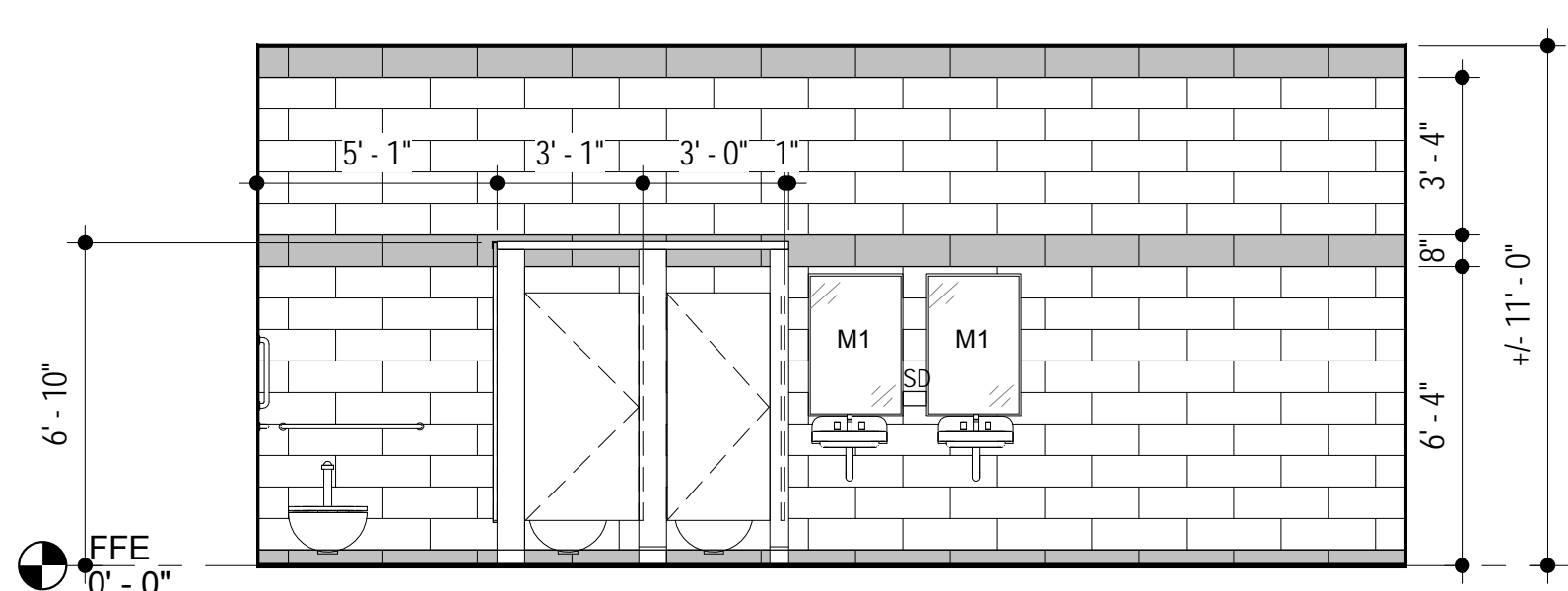
10 INTERIOR ELEVATION
A103R | A105R 1/4" = 1'-0"



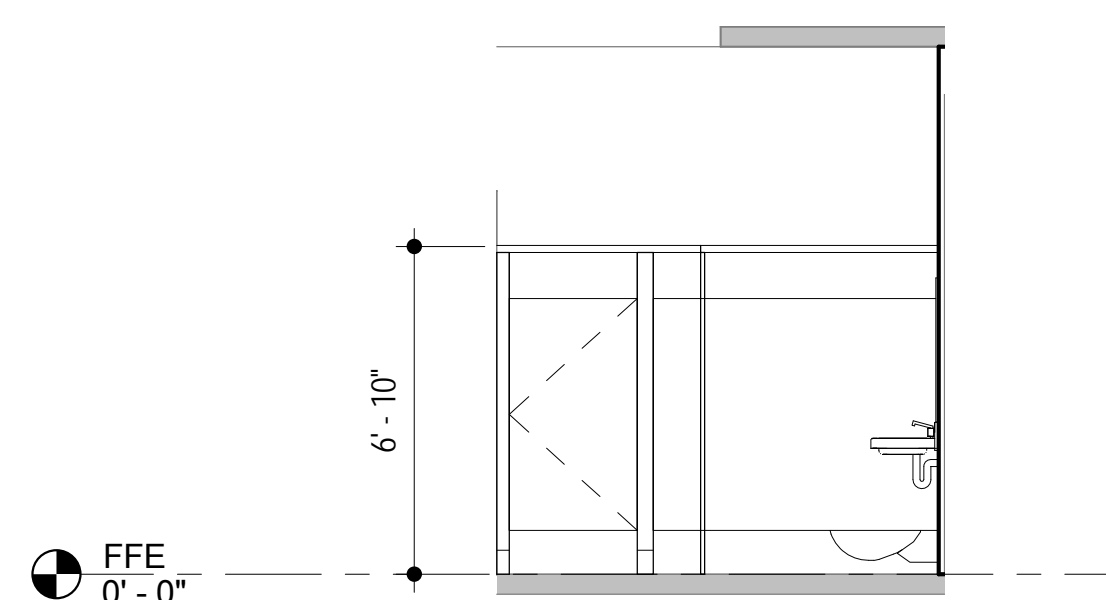
11 INTERIOR ELEVATION
A103R | A105R 1/4" = 1'-0"



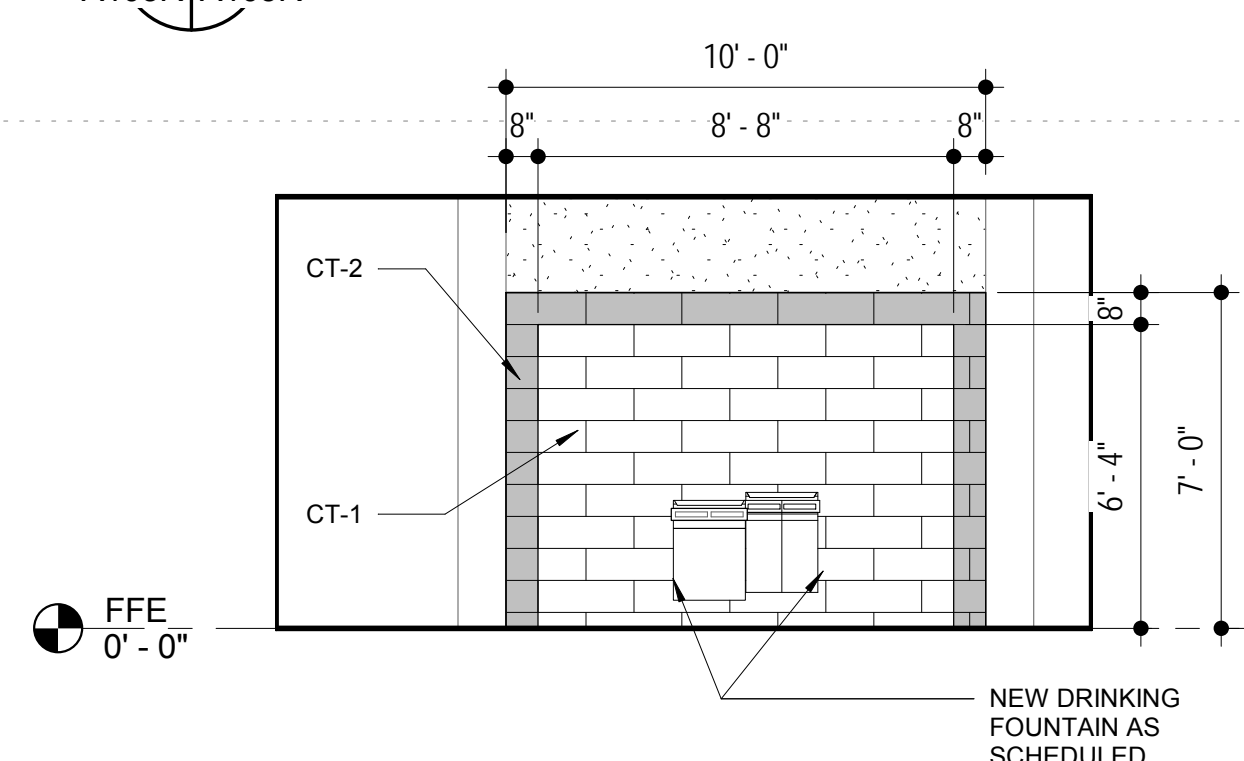
12 INTERIOR ELEVATION
A103R | A105R 1/4" = 1'-0"



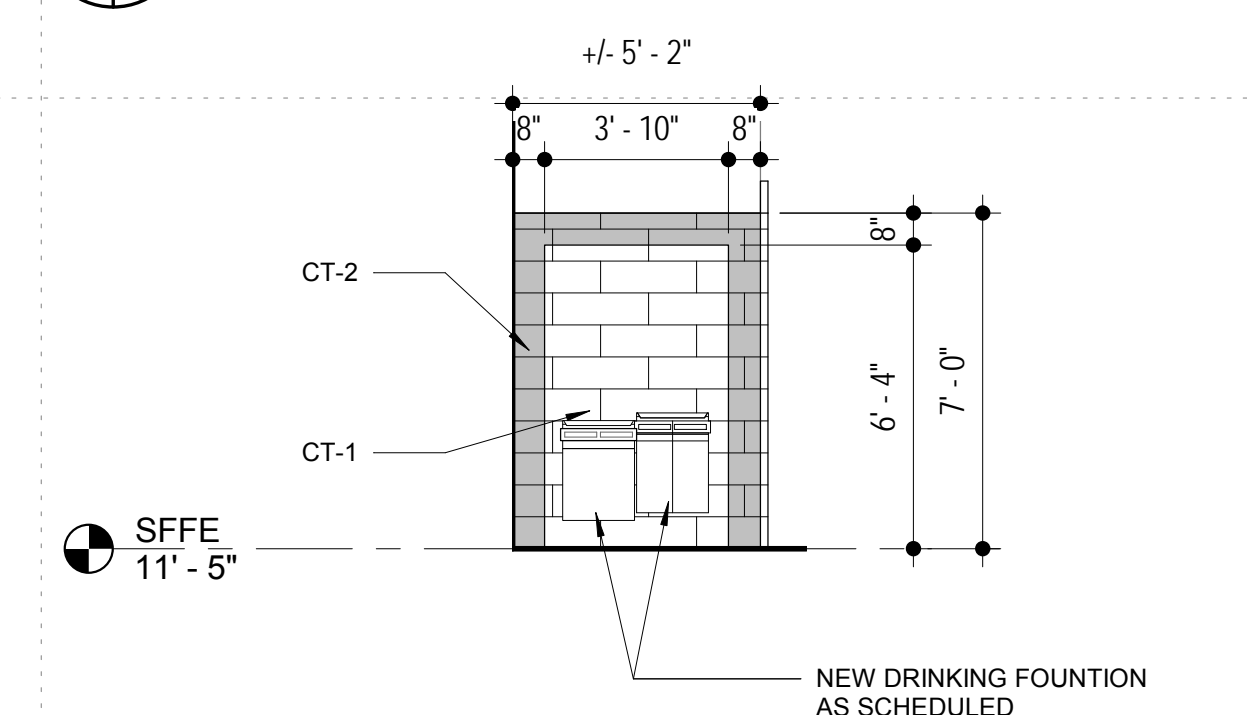
13 INTERIOR ELEVATION
A103R | A105R 1/4" = 1'-0"



14 INTERIOR ELEVATION
A103R | A105R 1/4" = 1'-0"

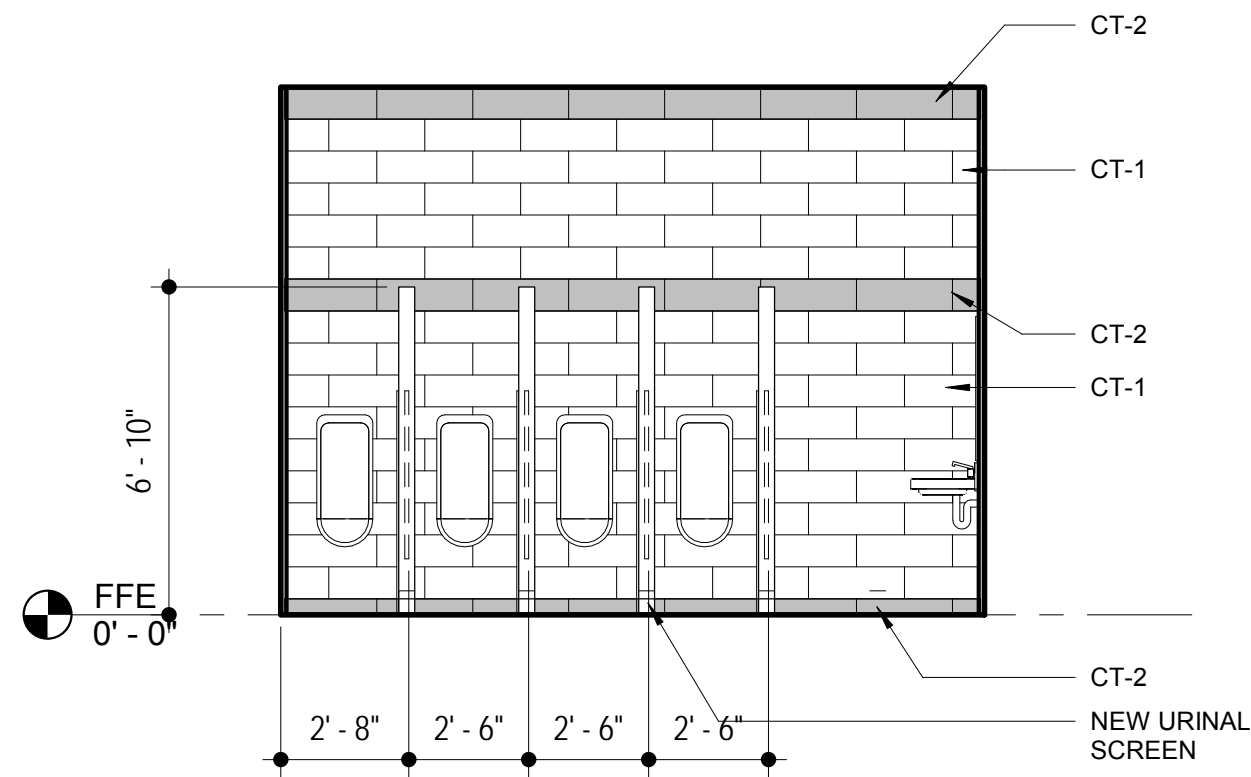


15 INTERIOR ELEVATION
A103R | A105R 1/4" = 1'-0"

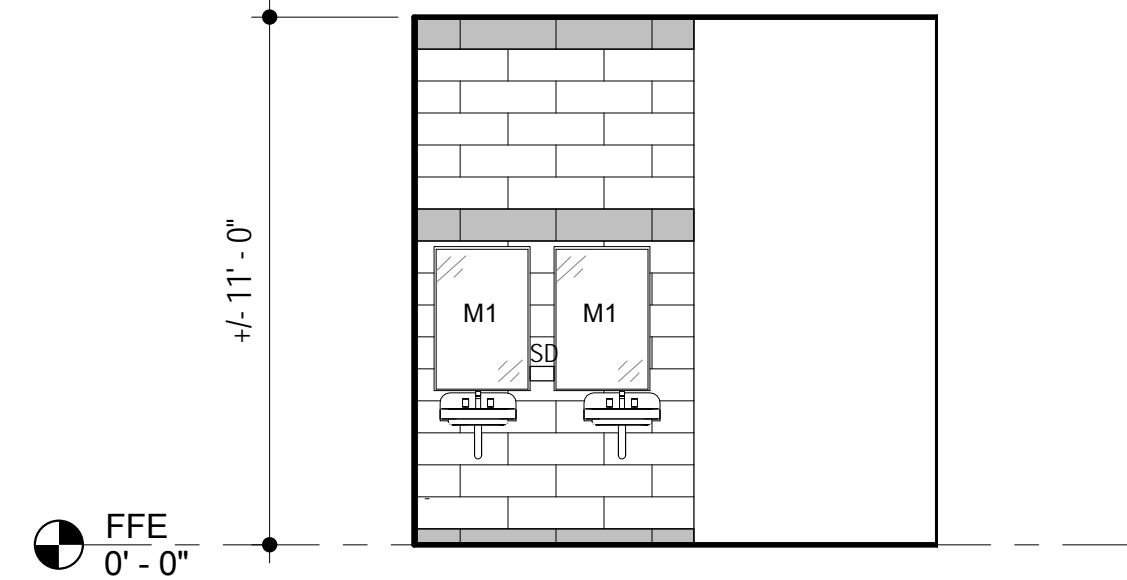


16 INTERIOR ELEVATION
A103R | A105R 1/4" = 1'-0"

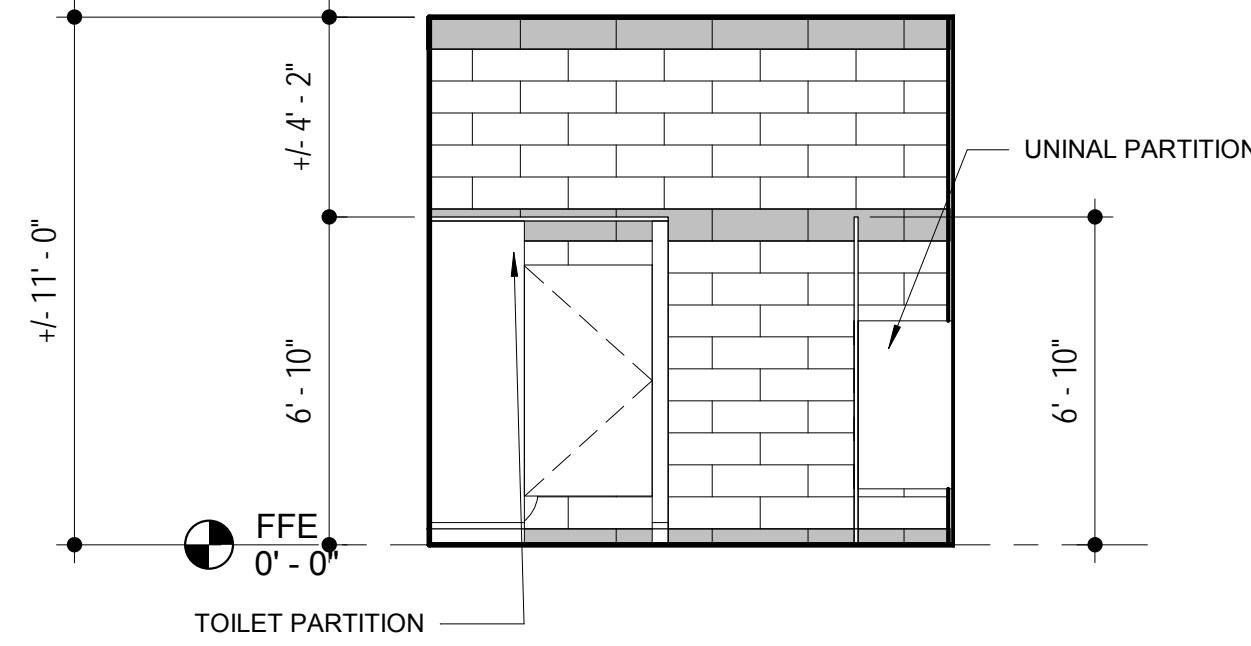




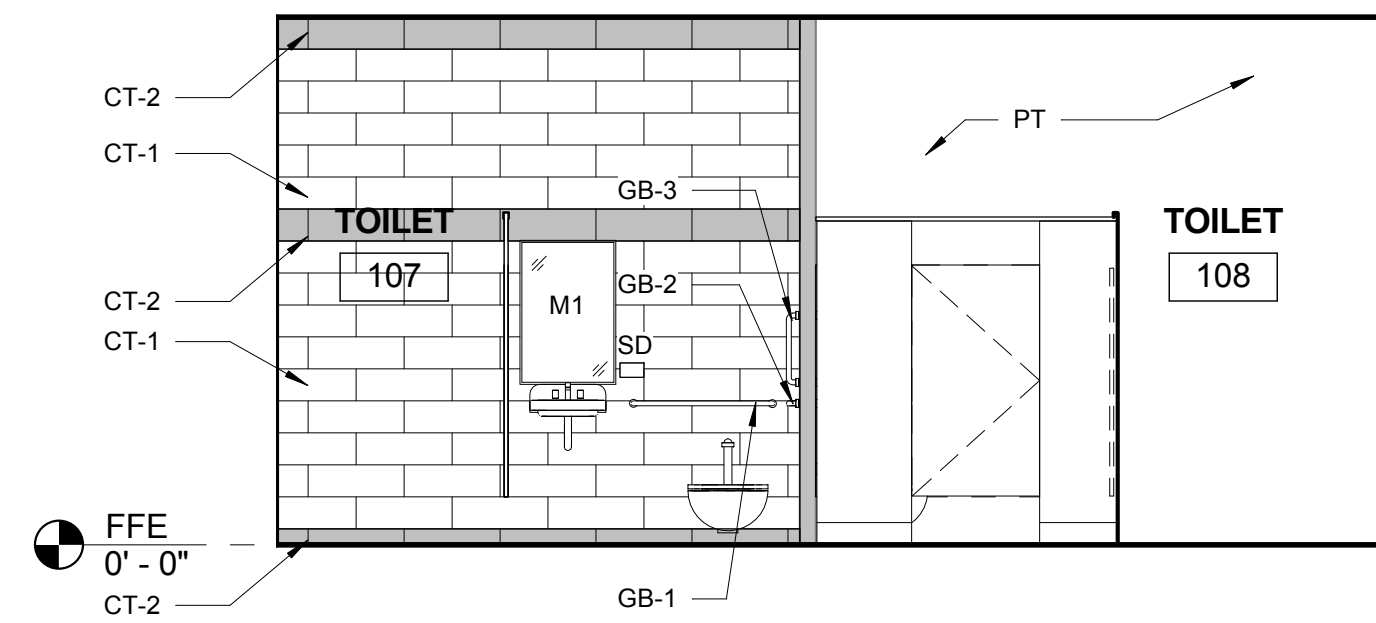
1 INTERIOR ELEVATION
A103R | A106R 1/4" = 1'-0"



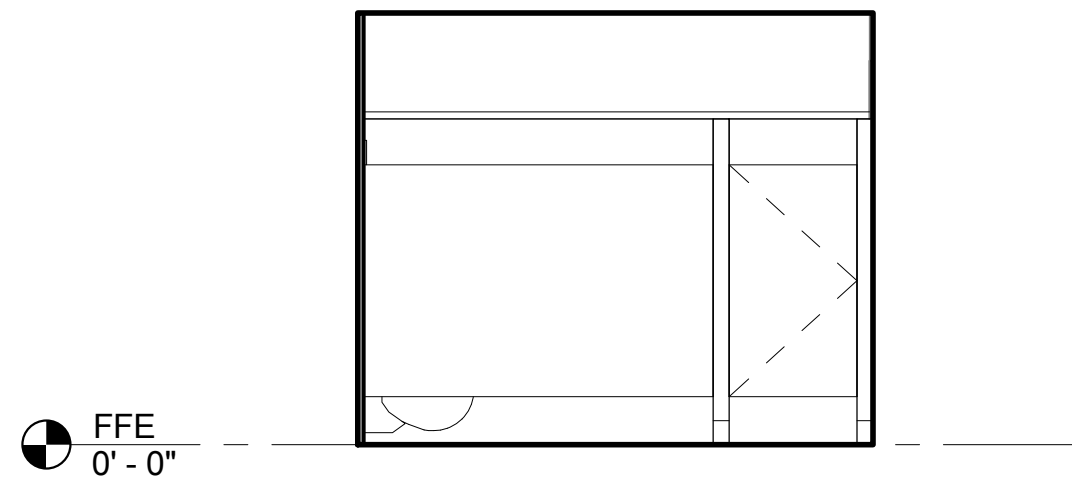
2 INTERIOR ELEVATION
A103R | A106R 1/4" = 1'-0"



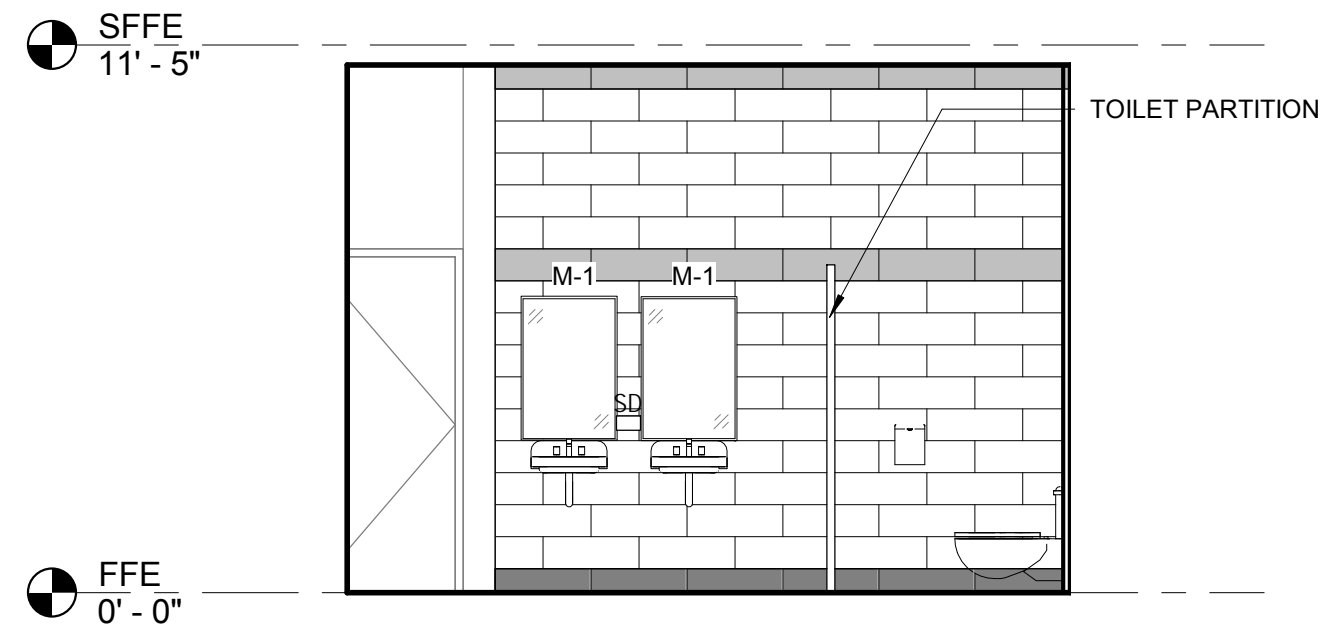
3 INTERIOR ELEVATION
A103R | A106R 1/4" = 1'-0"



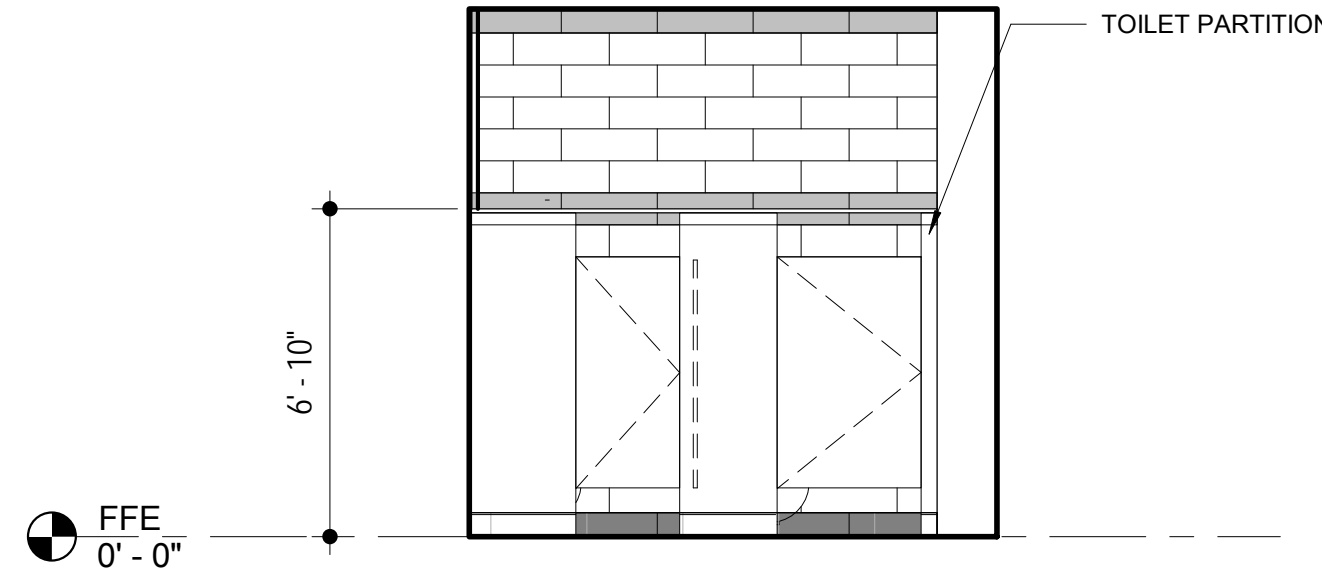
4 INTERIOR ELEVATION
A103R | A106R 1/4" = 1'-0"



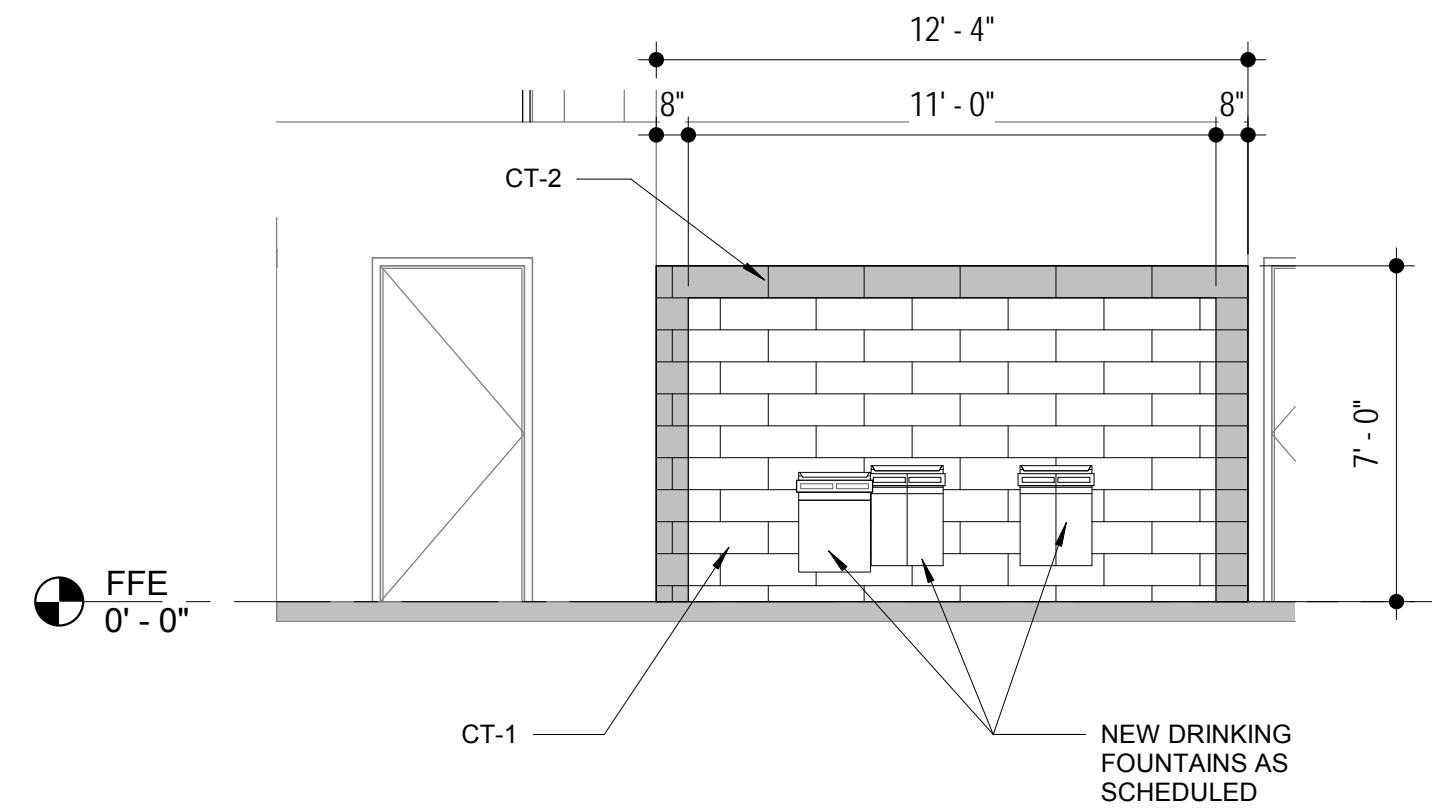
5 INTERIOR ELEVATION
A103R | A106R 1/4" = 1'-0"



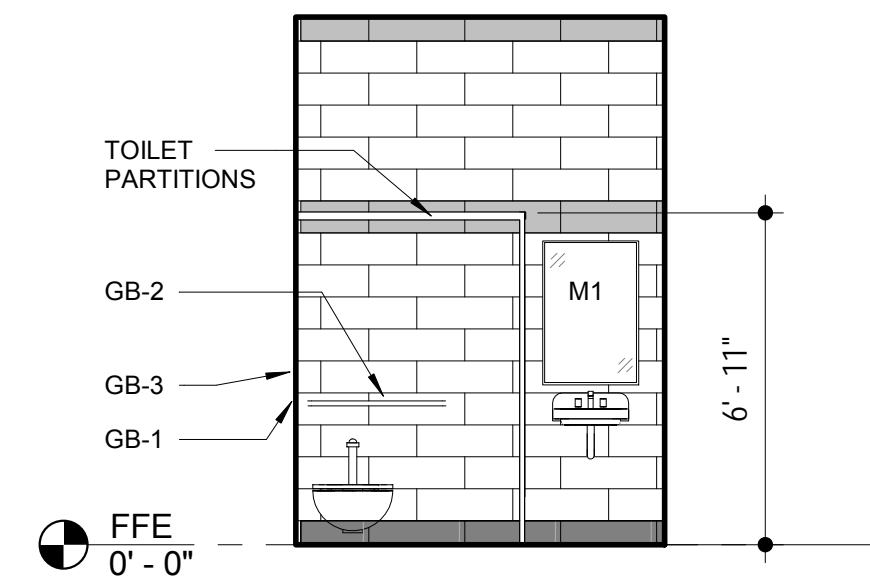
6 INTERIOR ELEVATION
A103R | A106R 1/4" = 1'-0"



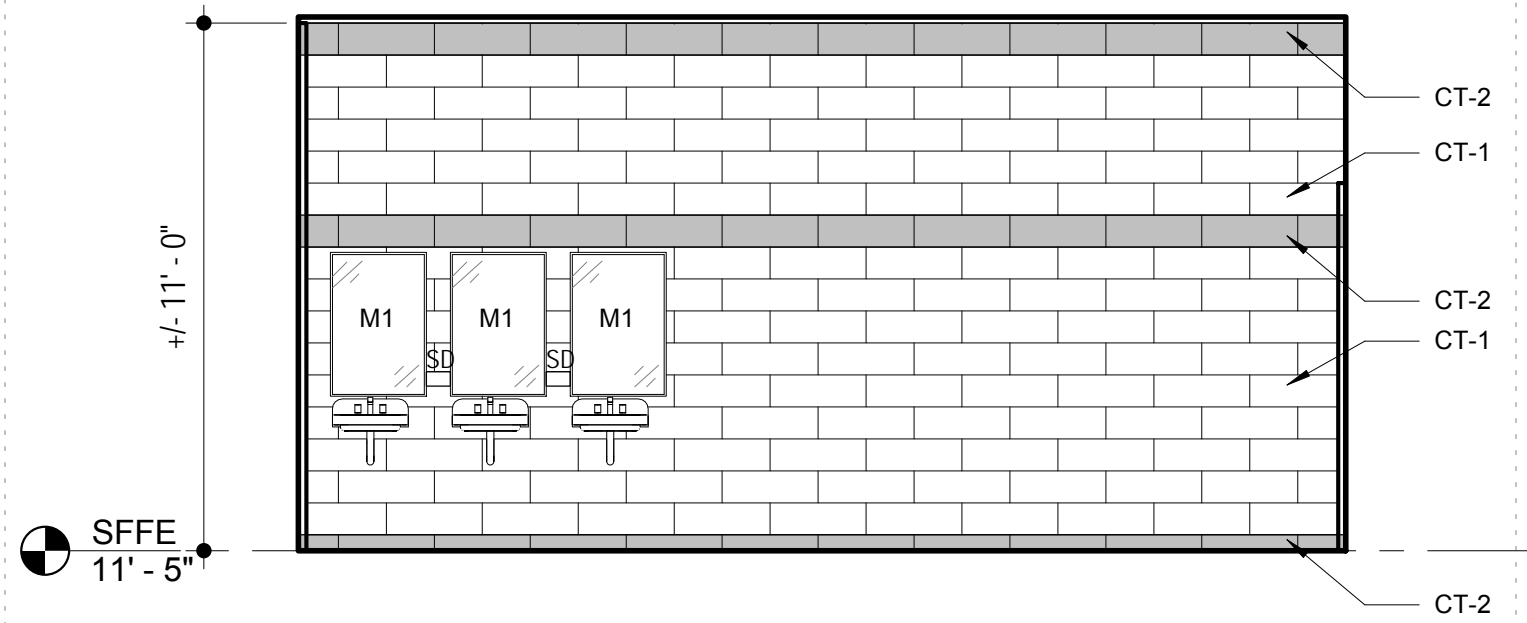
7 INTERIOR ELEVATION
A103R | A106R 1/4" = 1'-0"



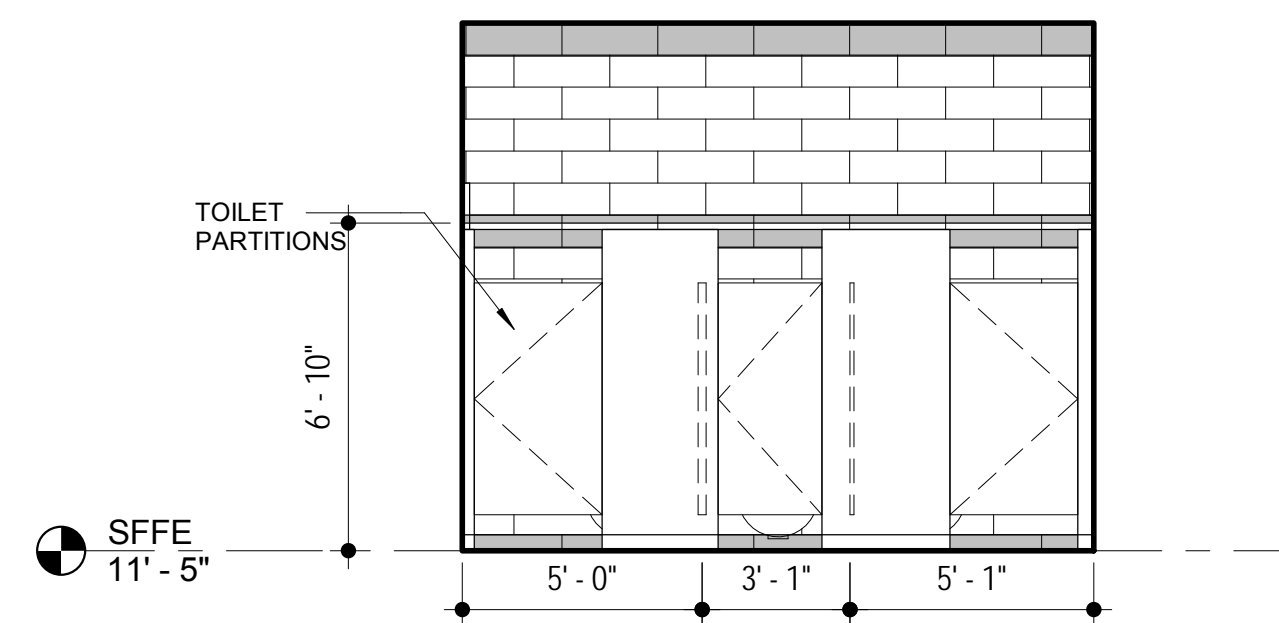
8 INTERIOR ELEVATION
A103R | A106R 1/4" = 1'-0"



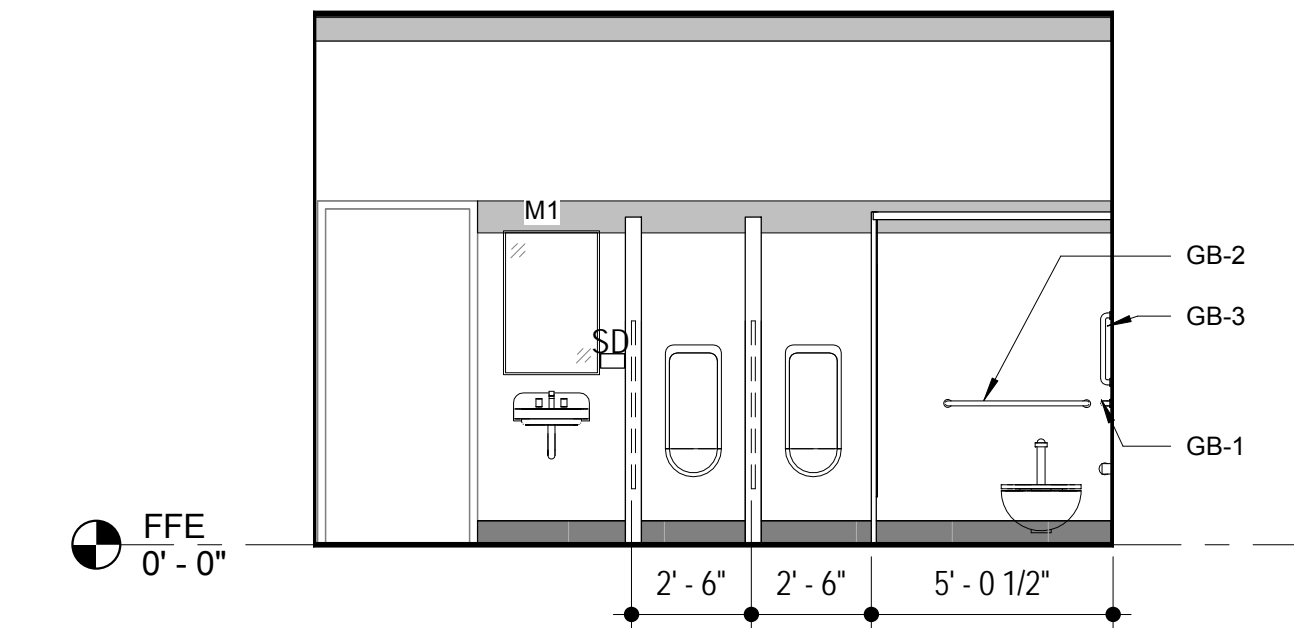
9 INTERIOR ELEVATION
A103R | A106R 1/4" = 1'-0"



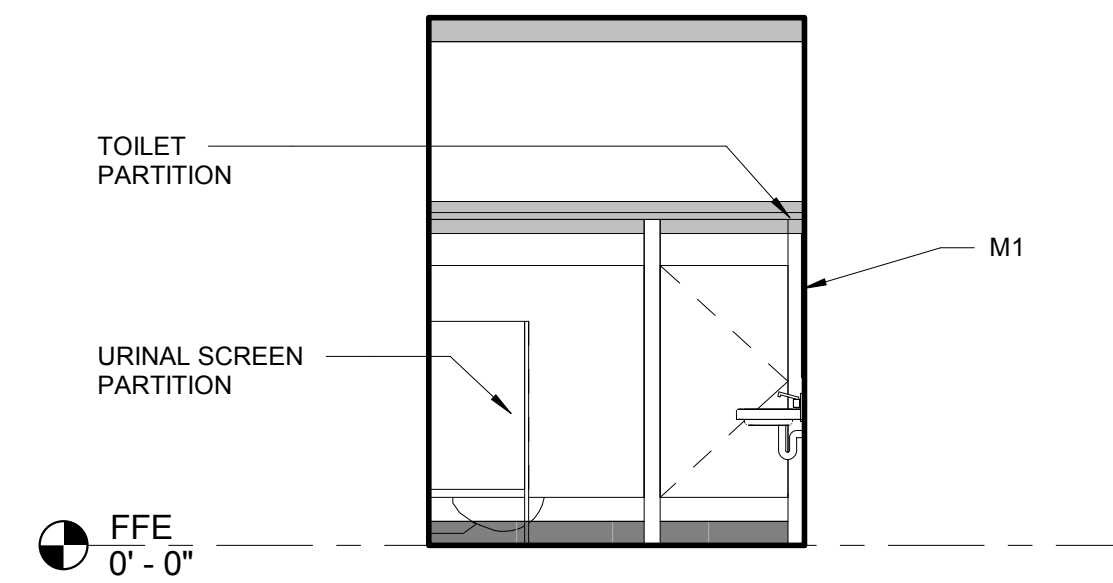
10 INTERIOR ELEVATION
A103R | A106R 1/4" = 1'-0"



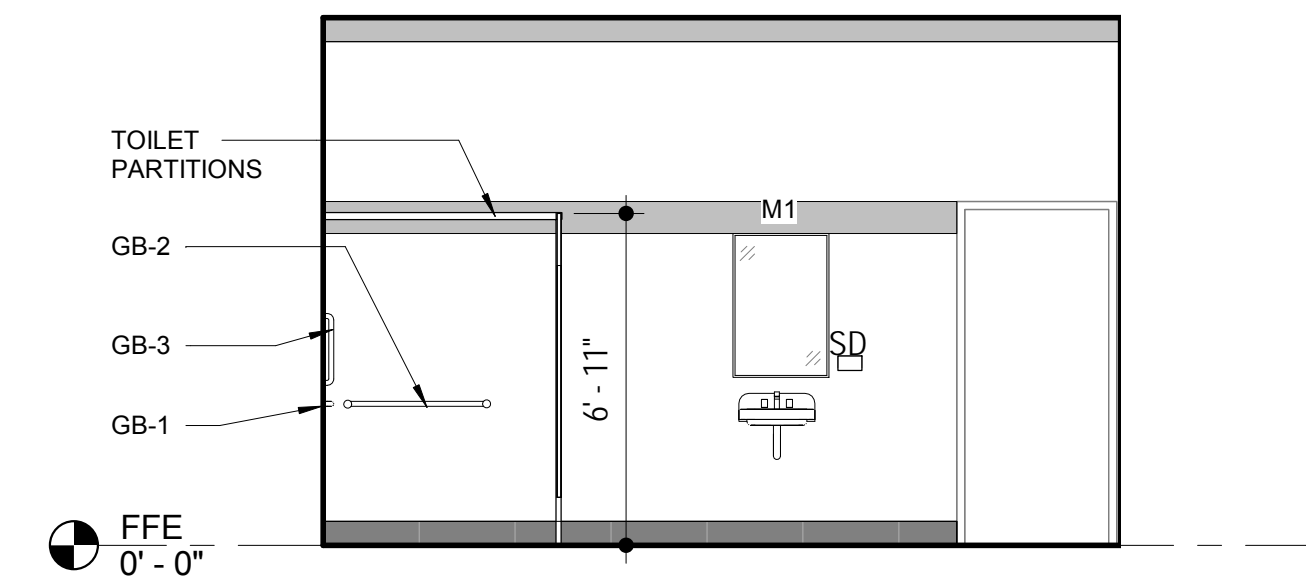
11 INTERIOR ELEVATION
A103R | A106R 1/4" = 1'-0"



12 INTERIOR ELEVATION
A103R | A106R 1/4" = 1'-0"



13 INTERIOR ELEVATION
A103R | A106R 1/4" = 1'-0"



14 INTERIOR ELEVATION
A103R | A106R 1/4" = 1'-0"

| Interior Finish Schedule | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------|------------------|---------|-------|------|---------|------|------|------------|------|------|------------|--------|------|-----------|--------|------|-----------|--------|------|----------|-----|--------|------------|------|------|---------|-----------|-------------|
| Room Number | Room Name | Floor | | | Base | | | North Wall | | | South Wall | | | East Wall | | | West Wall | | | Wainscot | | | Ceiling | | | | Comme nts | Room Number |
| | | Sub Str | Fin. | Clr. | Sub Str | Fin. | Clr. | Sub Str | Fin. | Clr. | Sub Str | Fin. | Clr. | Sub Str | Fin. | Clr. | Sub Str | Fin. | Clr. | Fin | Clr | Height | Sub Str | Fin. | Clr. | Heigh t | | |
| 101 | TOILET | EX TILE | EPOXY | 1 | EX CMU | CT | 2 | EX CMU | PT | 1 | EX CMU | PT, CT | 1,1 | EX CMU | PT, CT | 1,1 | EX CMU | PT, CT | 1, 1 | -- | -- | -- | EX DECKING | PT | 3 | -- | | 101 |
| 102 | TOILET | EX TILE | EPOXY | 1 | EX CMU | CT | 2 | EX CMU | PT | 1 | EX CMU | PT, CT | 1,1 | EX CMU | PT, CT | 1,1 | EX CMU | PT, CT | 1, 1 | -- | -- | -- | EX DECKING | PT | 3 | -- | | 102 |
| 103 | TOILET | EX TILE | EPOXY | 1 | EX CMU | CT | 2 | EX CMU | PT | 1 | EX CMU | PT, CT | 1,1 | EX CMU | PT, CT | 1,1 | EX CMU | PT, CT | 1, 1 | -- | -- | -- | EX DECKING | PT | 3 | -- | | 103 |
| 104 | TOILET | EX TILE | EPOXY | 1 | EX CMU | CT | 2 | EX CMU | PT | 1 | EX CMU | PT, CT | 1,1 | EX CMU | PT, CT | 1,1 | EX CMU | PT, CT | 1, 1 | -- | -- | -- | EX DECKING | PT | 3 | -- | | 104 |
| 105 | TOILET | EX TILE | EPOXY | 1 | EX CMU | CT | 2 | EX CMU | PT | 1 | EX CMU | PT, CT | 1,1 | EX CMU | PT, CT | 1,1 | EX CMU | PT, CT | 1, 1 | -- | -- | -- | EX DECKING | PT | 3 | -- | | 105 |
| 106 | TOILET | EX TILE | EPOXY | 1 | EX CMU | CT | 2 | EX CMU | PT | 1 | EX CMU | PT, CT | 1,1 | EX CMU | PT, CT | 1,1 | EX CMU | PT, CT | 1, 1 | -- | -- | -- | EX DECKING | PT | 3 | -- | | 106 |
| 107 | TOILET | EX TILE | EPOXY | 1 | EX CMU | CT | 2 | EX CMU | PT | 1 | EX CMU | PT, CT | 1,1 | EX CMU | PT, CT | 1,1 | EX CMU | PT, CT | 1, 1 | -- | -- | -- | EX DECKING | PT | 3 | -- | | 107 |
| 108 | TOILET | EX TILE | EPOXY | 1 | EX CMU | CT | 2 | EX CMU | PT | 1 | EX CMU | PT, CT | 1,1 | EX CMU | PT, CT | 1,1 | EX CMU | PT, CT | 1, 1 | -- | -- | -- | EX DECKING | PT | 3 | -- | | 108 |
| 109 | TOILET | EX TILE | EPOXY | 1 | EX CMU | CT | 2 | EX CMU | PT | 1 | EX CMU | PT, CT | 1,1 | EX CMU | PT, CT | 1,1 | EX CMU | PT, CT | 1, 1 | -- | -- | -- | EX DECKING | PT | 3 | -- | | 109 |
| 110 | GIRL LOCKER ROOM | EX TILE | EPOXY | 1 | EX CMU | CT | 2 | EX CMU | PT | 1 | EX CMU | PT, CT | 1,1 | EX CMU | PT, CT | 1,1 | EX CMU | PT, CT | 1, 1 | -- | -- | -- | EX DECKING | PT | 3 | -- | | 110 |
| 111 | BOYS LOCKER ROOM | EX TILE | EPOXY | 1 | EX CMU | CT | 2 | EX CMU | PT | 1 | EX CMU | PT, CT | 1,1 | EX CMU | PT, CT | 1,1 | EX CMU | PT, CT | 1, 1 | -- | -- | -- | EX DECKING | PT | 3 | -- | | 111 |
| 201 | TOILET | EX TILE | EPOXY | 1 | EX CMU | CT | 2 | EX CMU | PT | 1 | EX CMU | PT, CT | 1,1 | EX CMU | PT, CT | 1,1 | EX CMU | PT, CT | 1, 1 | -- | -- | -- | EX DECKING | PT | 3 | -- | | 201 |
| 202 | TOILET | EX TILE | EPOXY | 1 | EX CMU | CT | 2 | EX CMU | PT | 1 | EX CMU | PT, CT | 1,1 | EX CMU | PT, CT | 1,1 | EX CMU | PT, CT | 1, 1 | -- | -- | -- | EX DECKING | PT | 3 | -- | | 202 |
| 203 | TOILET | EX TILE | EPOXY | 1 | EX CMU | CT | 2 | EX CMU | PT | 1 | EX CMU | PT, CT | 1,1 | EX CMU | PT, CT | 1,1 | EX CMU | PT, CT | 1, 1 | -- | -- | -- | EX DECKING | PT | 3 | -- | | 203 |
| 204 | TOILET | EX TILE | EPOXY | 1 | EX CMU | CT | 2 | EX CMU | PT | 1 | EX CMU | PT, CT | 1,1 | EX CMU | PT, CT | 1,1 | EX CMU | PT, CT | 1, 1 | -- | -- | -- | EX DECKING | PT | 3 | -- | | 204 |

FOR FINISH SCHEDULE, PLAN NORTH IS UPSHEET

MARK:
FLOORS:

EXOPY-1

VCT

MARK:
WALLS:

CT-1

CT-2

PT-1

PT-2

PT-3

MATERIAL:

DUR-A-FLEX : DUR-A-QUARTZ
COLOR: Q28-23

ARMSTRONG FLOORING: VINYL COMPOSITION TILE
STYLE: STANDARD EXCELON COLOR: 51947 BASIL GREEN

CROSSVILLE- 12"x24"
SERIES: READY TO WEAR; COLOR: PERFECT FIT

CROSSVILLE- 6"x24"
SERIES: READY TO WEAR; COLOR: DECKED OUT

SHERWIN WILLIAMS PAINT - WALLS
COLOR: SW 9165 GOSSAMER VEIL

SHERWIN WILLIAMS PAINT - ACCENT
COLOR: SW 6181 SECRET GARDEN

SHERWIN WILLIAMS PAINT - FURRDOWN
COLOR: SW 6203 SPARE WHITE

RESTROOMS:

TOILET PARTITION BRADLEY- FLOOR TO OVERHEAD BRACED :
SOLID COLOR REINFORCED COMPOSITE
COLOR: CHARCOAL GRAY(S215)

GENERAL NOTES:

A. EXISTING RUBBER BASE IS TO REMAIN AND MODIFIED AS REQUIRED TO INSTALL NEW WORK. IN INSTANTS WHERE THE BASE NEED REPLACING, GC IS TO PROVIDE NEW RUBBER THAT MATCHES THE EXISTING IN COLOR AND DESIGN. PRODUCT IS TO BE SUBMITTAL THE REQUIREMENTS IN THE SPECIFICATIONS.

B. PROVIDE (16) 8"x8" TOILET SIGNS

C. ALL FURR DOWN SHALL BE PAINTED PT-3 UNLESS OTHERWISE NOTED.

D. REFER TO INTERIOR ELEVATIONS, AND MILLWORK ELEVATIONS AND DETAILS FOR ADDITIONAL INFORMATION

E. ON THE INSIDE OF THE RESTROOM, ALL HOLLOW METAL DOOR FRAMES ARE TO BE PAINTED PT-2

F. WALL ACCESS DOORS ARE TO BE PAINTED. COLOR TO MATCH THE ADJACENT WALL COLOR.

COMMENTS:

1. ALLOW FOR ACCENT WALL TILES IN ROOM. SEE INTERIOR ELEVATIONS.

2. ALLOW FOR ACCENT STRIPE/BAND IN THIS AREA.

3. SEE PLAN FOR ACCENT WALL LOCATION.

CEILINGS:

PT-3 SHERWIN WILLIAMS PAINT - WALLS
COLOR: SW 6203 SPARE WHITE

MARK:
MILLWORK:

PLAM-1

PLAM-2

SS-1

MATERIAL:

FORMICA PLASTIC LAMINATE- BASE
COLOR: 8839-58 ASHEN RIBBONWOOD

FORMICA PLASTIC LAMINATE- BASE
COLOR: 934-58 PEARL

FORMICA CLASSICS- SOLID SURFACE
COLOR:LUNA CONCRETE 781

EXISTING DRAIN- TYP

EPOXY FLOOR

KEYED EDGE- TYP

EXISTING TILE

EXISTING CONCRETE

5 EPOXY FLOORING DRAIN DETAIL-TYP
6" = 1'-0"

3 TYP TILE WALL ELEVATION
1/4" = 1'-0"

4 TYP PAINTED WALL ELEVATION
1/4" = 1'-0"

FRONT VIEW, SIDE VIEW, SIDE VIEW, FRONT VIEWS, SIDE VIEW, FRONT VIEWS.

NOTE: FLUSH CONTROL TO BE ON THE OPEN SIDE OF WATER CLOSET

NOTE: TEXT & DIMS SCALE: 1/4" = 1'-0"

ADA STANDARD DIMENSIONAL CONTROLS; HEIGHTS AND PLACEMENT OF TOILET ACCESSORIES AND FIXTURES

THIS BOX INDICATES THE RANGE OF MOUNTING FOR THE TOILET PAPER DISPENSER @ WATER CLOSETS ONLY. NO ACCESSORY SHALL BE WITHIN 12" ABOVE THE GB AND NOT WITHIN 1 1/2" BELOW THE GB. TOILET ACCESSORIES CANNOT BE BEHIND THE GB. DBL TPD; HORZ DIM IS TO THE CENTER UNIT

NOTE: FIXTURES SHOWN FOR MOUNTING HEIGHT PURPOSES REFER TO PLAN AND ELEVATIONS FOR ACTUAL LOCATION

NOTE: INSULATE ALL WATER AND WASTE LINES AT ALL HC SINKS (UNO)

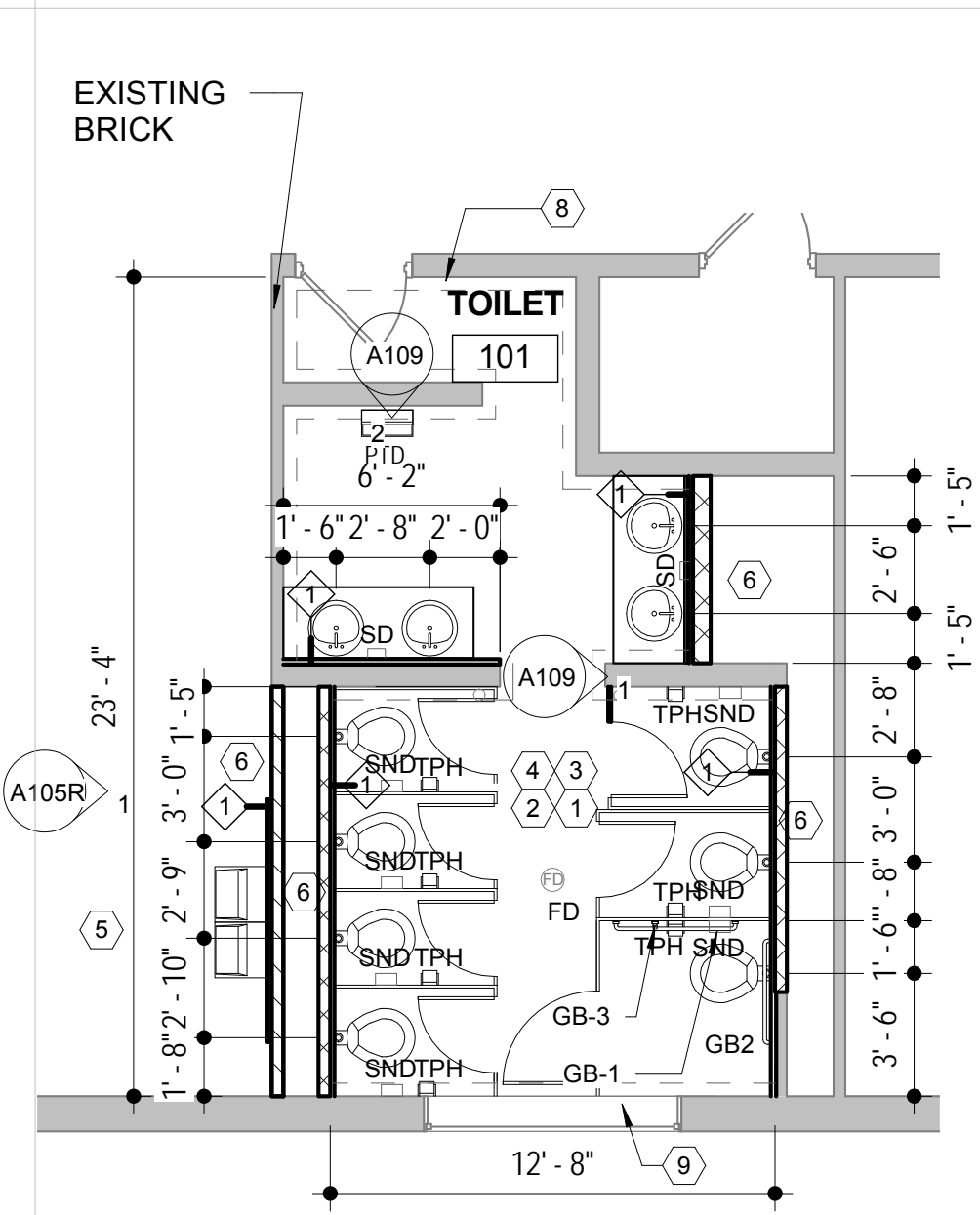
PLACE THIS EDGE OF THE TEMPLATE TO THE FACE OF THE LAV, COUNTER OR EDF

THIS AREA IS WHERE THE PIPING & OTHER ITEMS WOULD NOT BE IN THE KNEE SPACE.

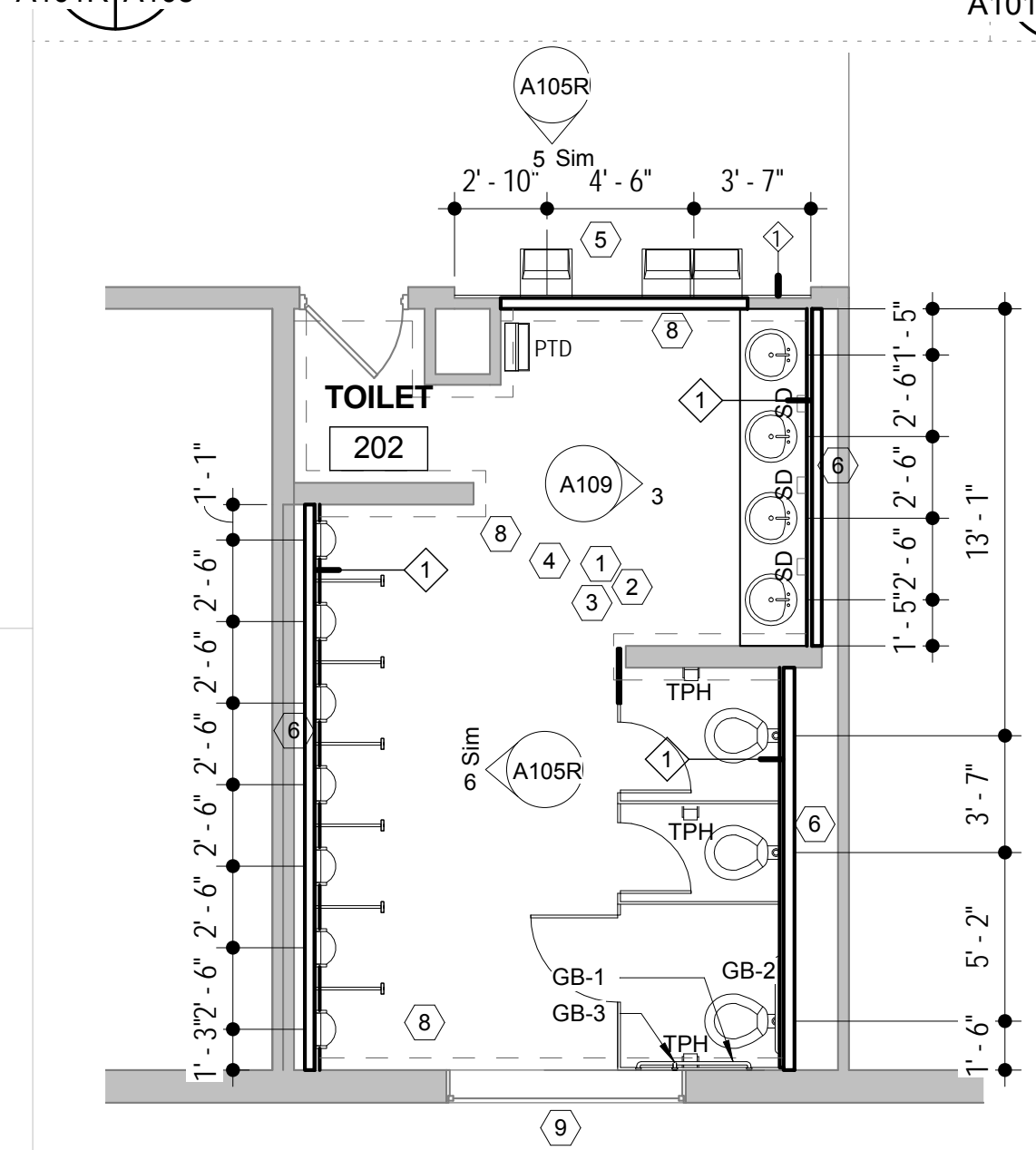
PLYWOOD KNEE SPACE CHECKING TEMPLATE.

2 ADA MOUNTING HEIGHTS
1/4" = 1'-0"

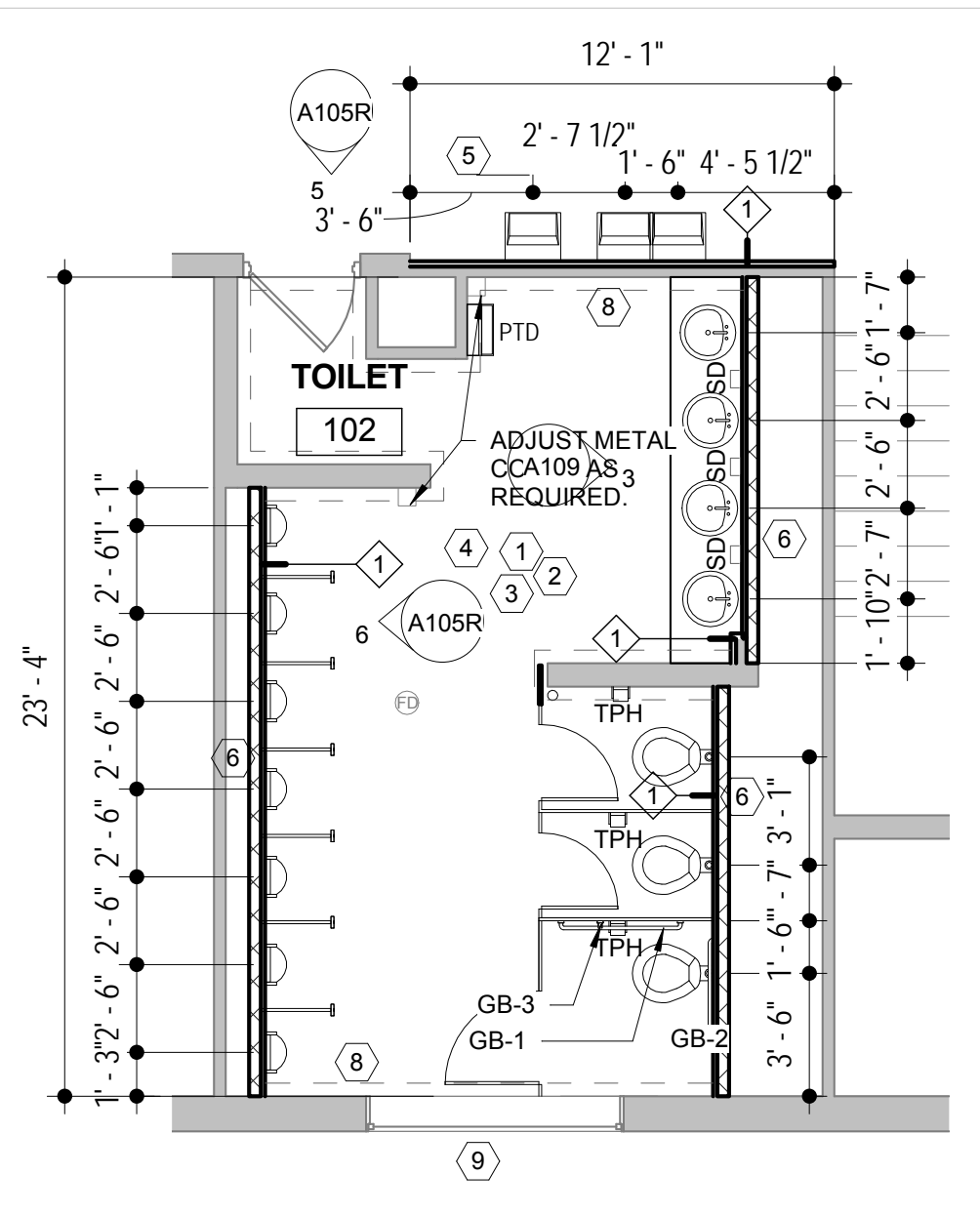




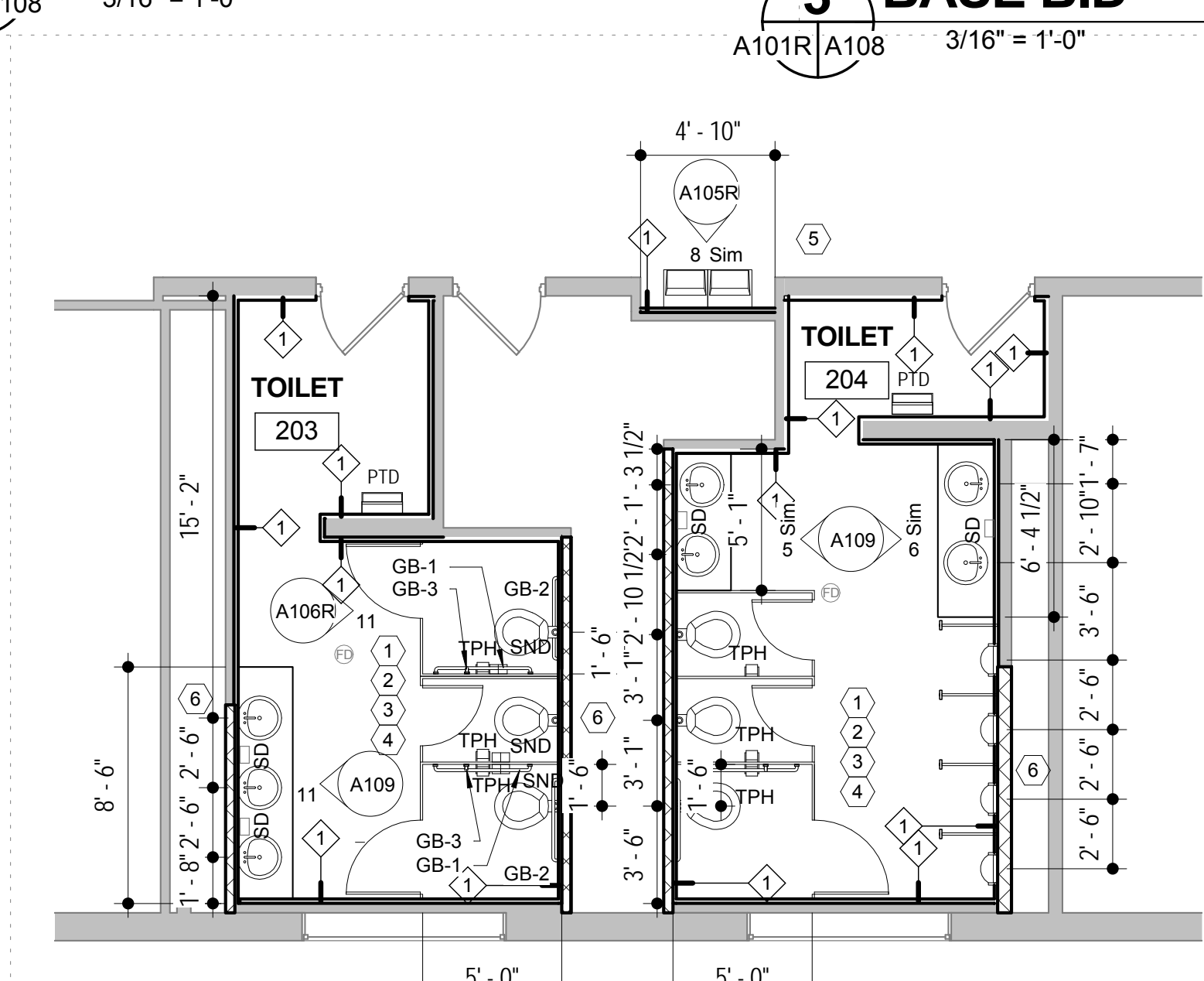
1
ENLARGED PLAN
BASE BID
A101R | A108 3/16" = 1'-0"



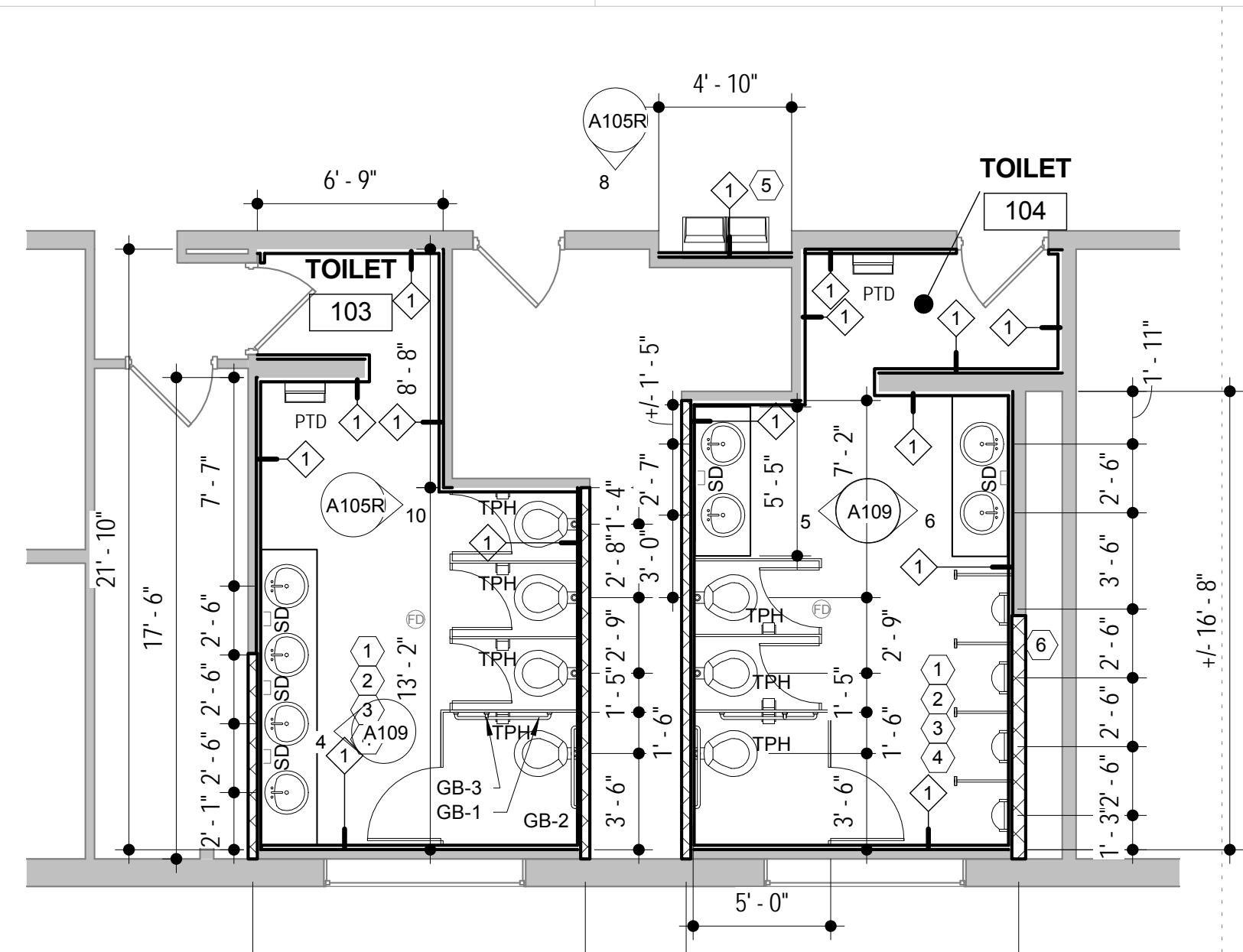
5
ENLARGED PLAN
BASE BID
A102R | A108 3/16" = 1'-0"



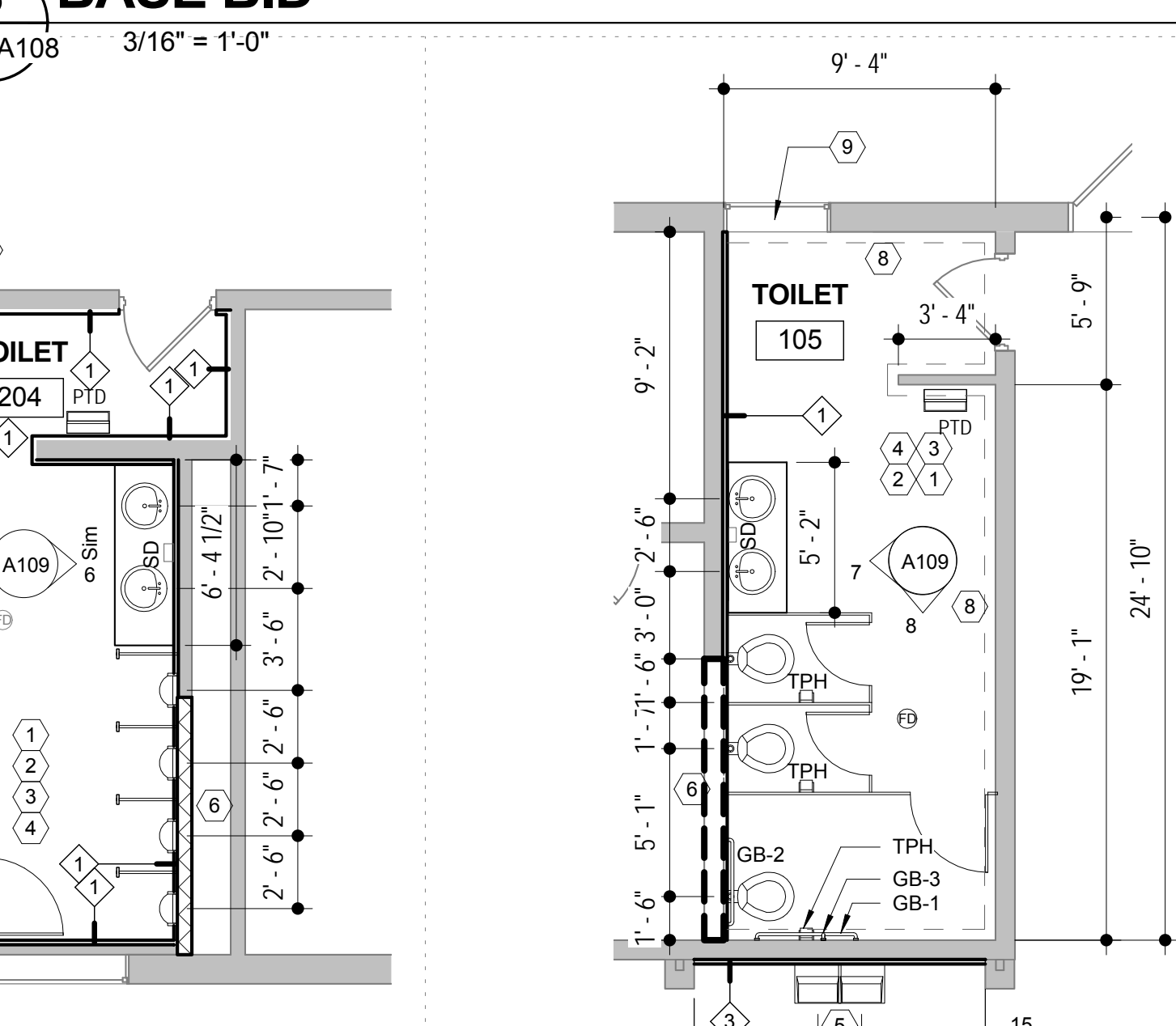
2
ENLARGED PLAN
BASE BID
A101R | A108 3/16" = 1'-0"



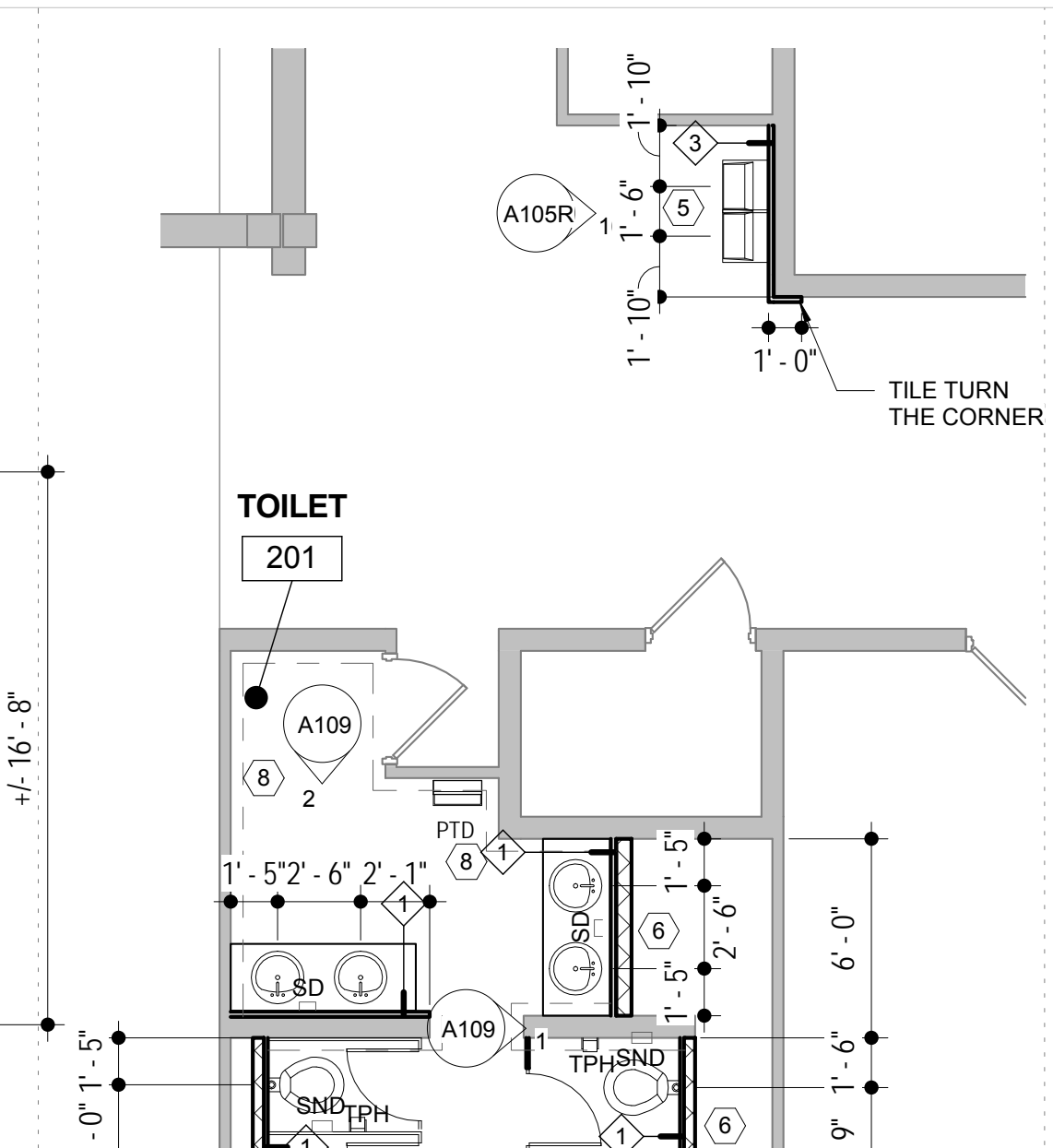
6
ENLARGED PLAN
BASE BID
A102R | A108 3/16" = 1'-0"



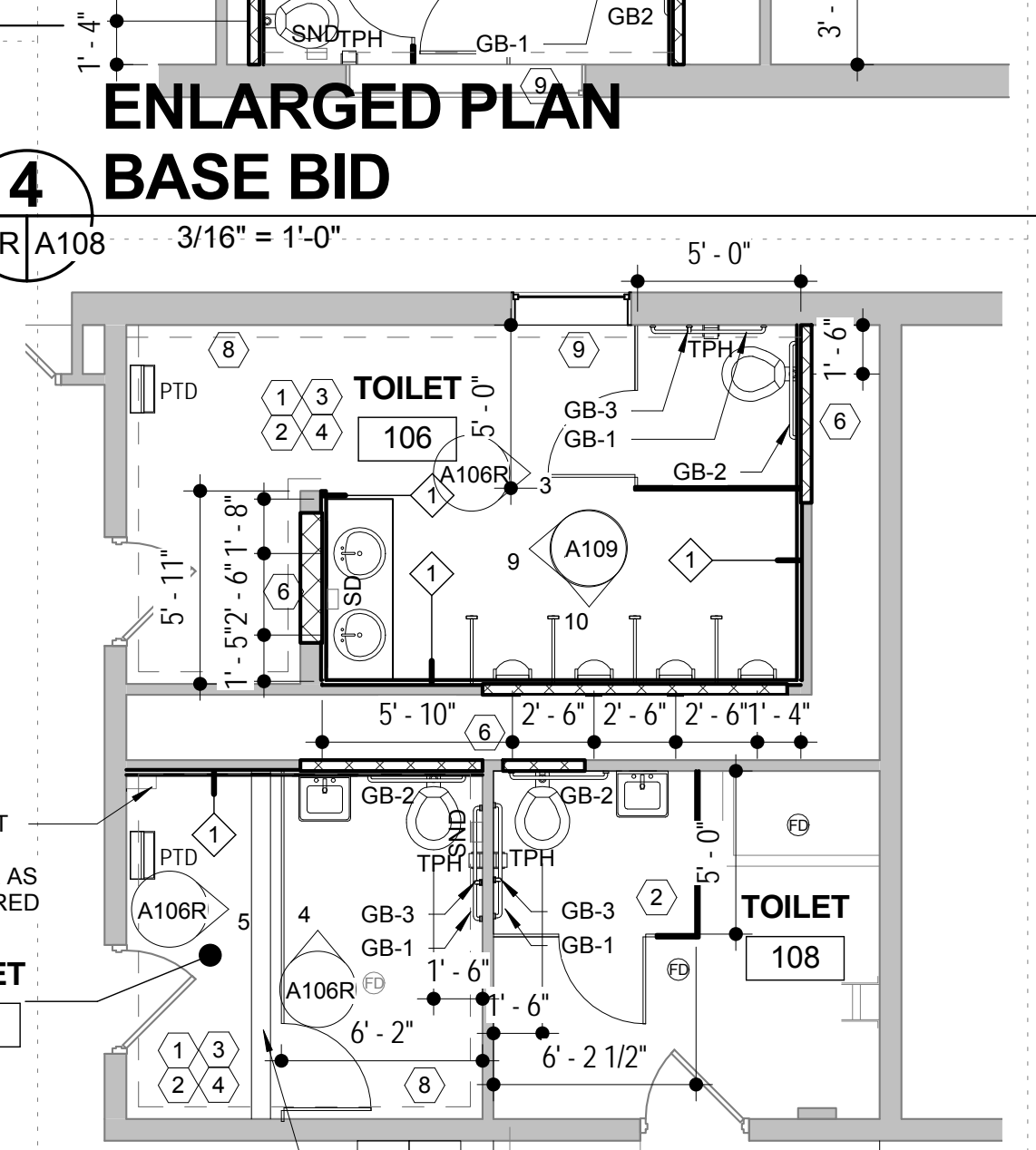
3
ENLARGED PLAN
BASE BID
A101R | A108 3/16" = 1'-0"



7
ENLARGED PLAN
ALTERNATE 01
A101R | A108 3/16" = 1'-0"

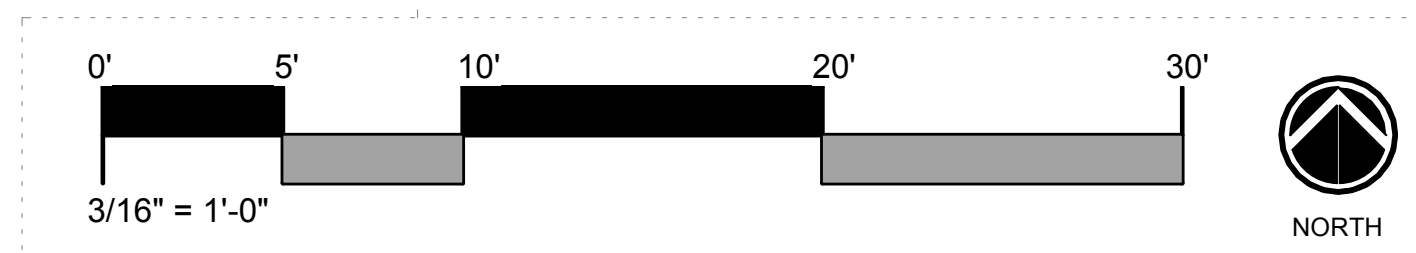


4
ENLARGED PLAN
BASE BID
A102R | A108 3/16" = 1'-0"



8
ENLARGED PLAN
ALTERNATE 01
A101R | A108 3/16" = 1'-0"

| TOILET ACCESSORIES LEGEND | | | |
|------------------------------|---------|--------------------------|--------------|
| TAG | MFG | TYPE (DESCRIPTION) | MFG# |
| TPH | BOBRICK | TOILET PAPER HOLDER | B-2740 |
| GB-1 | BOBRICK | GRAB BAR - 42" LONG | B-6806.99X42 |
| GB-2 | BOBRICK | GRAB BAR - 36" LONG | B-6806.99X36 |
| GB-3 | BOBRICK | GRAB BAR - 18" LONG | B-6806.99X18 |
| M1 | BOBRICK | MIRROR - 24" X 36" | B-169 |
| PTD | BOBRICK | PAPER TOWEL DISPENSER | B-262 |
| SD | BOBRICK | SOAP DISPENSER | B-2112 |
| SND | BOBRICK | SANITARY NAPKIN DISPOSAL | B-270 |



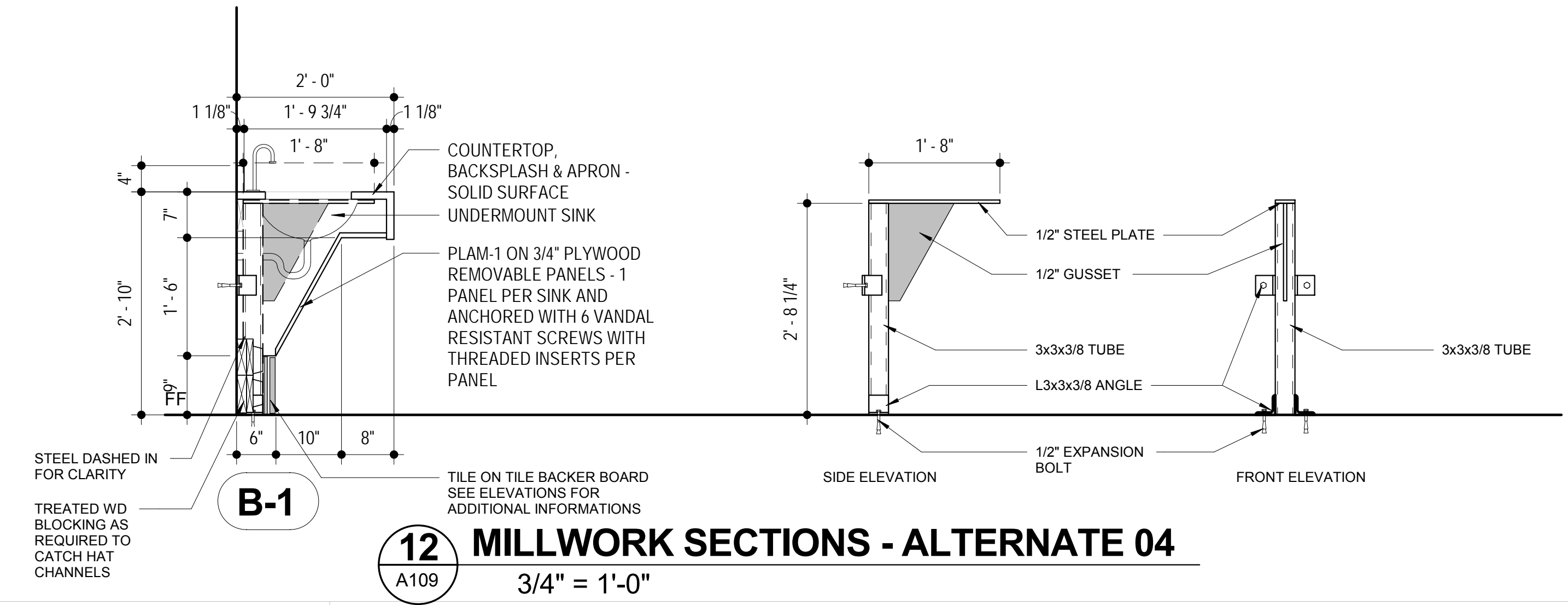
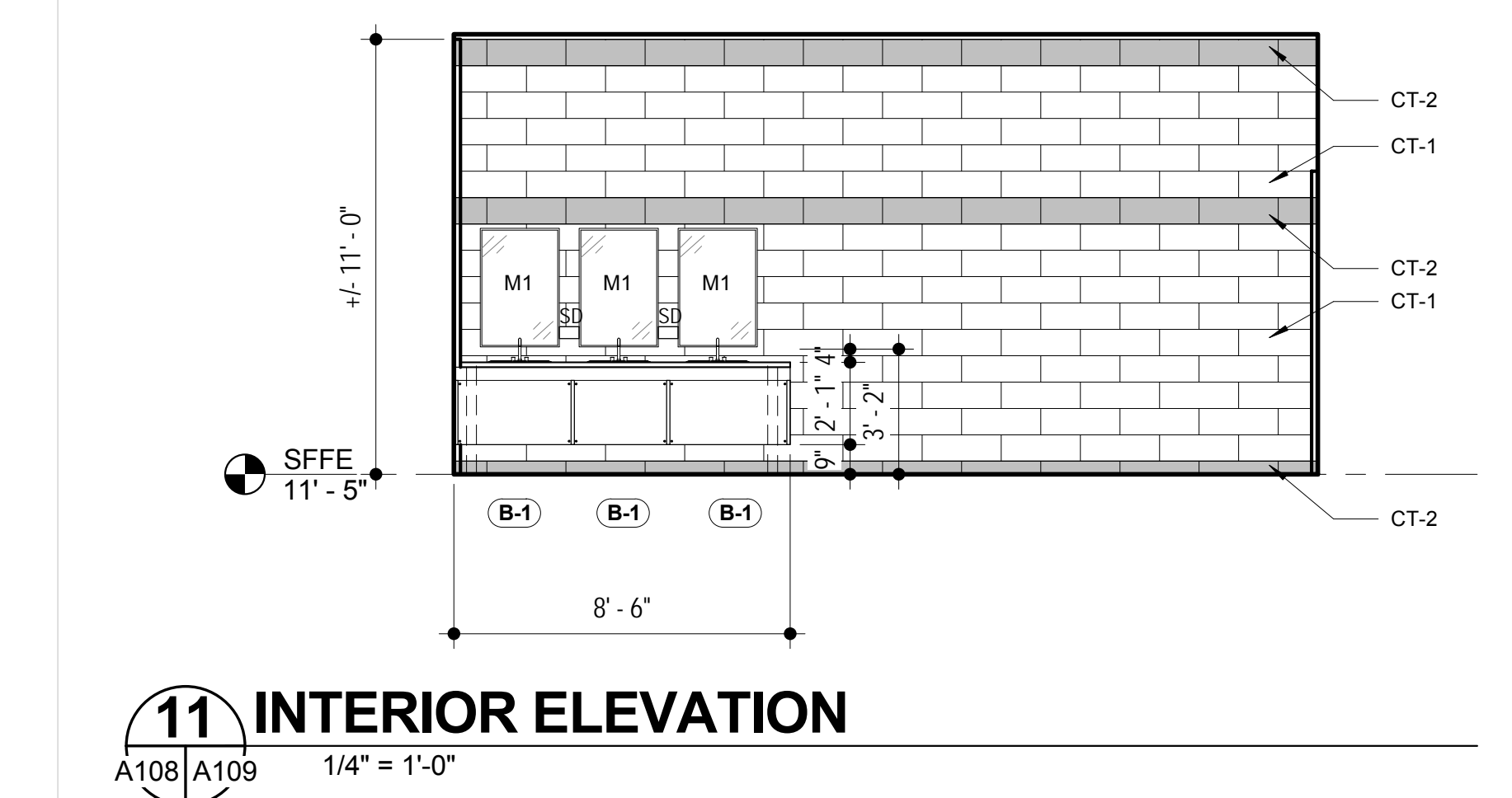
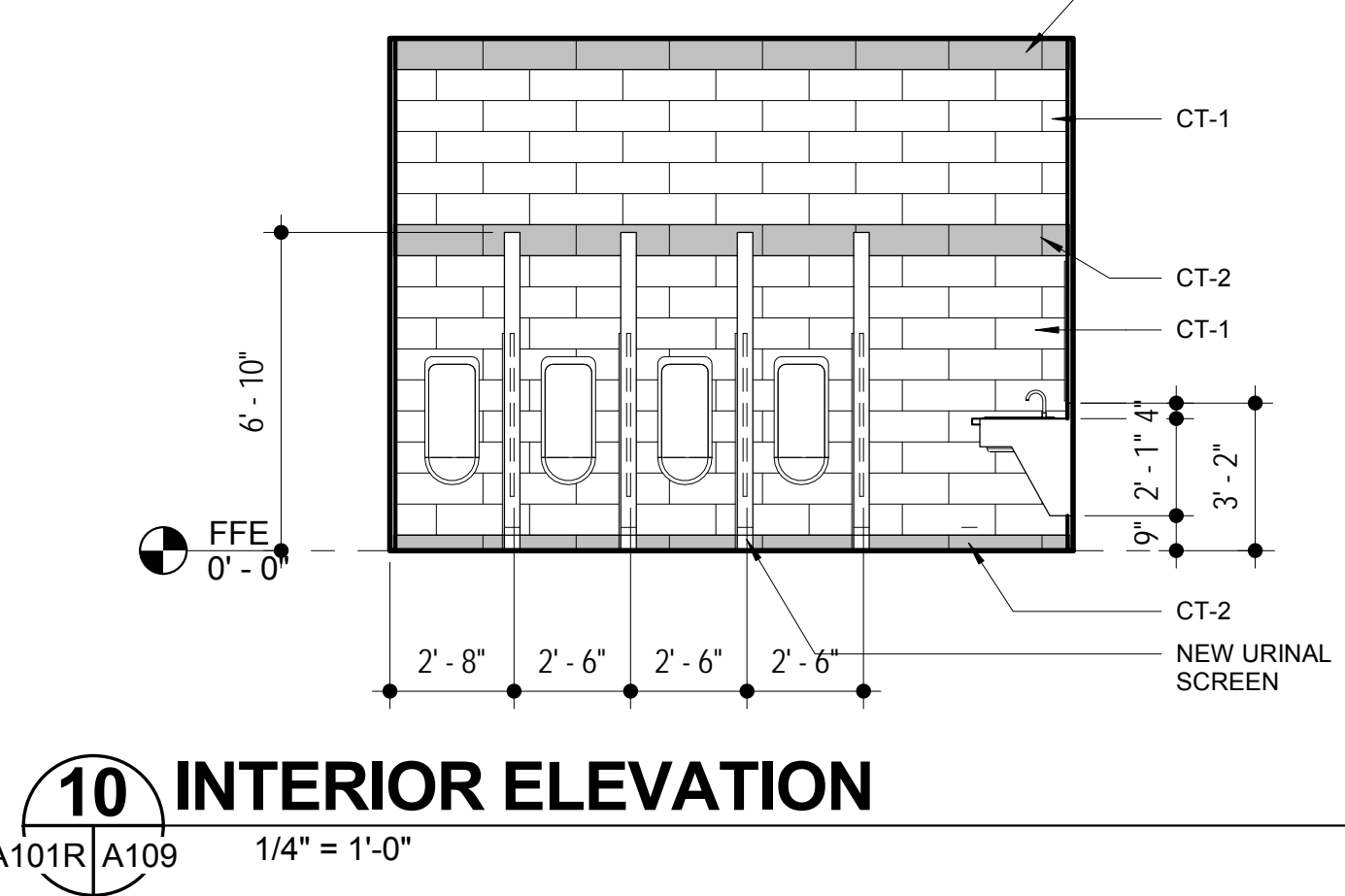
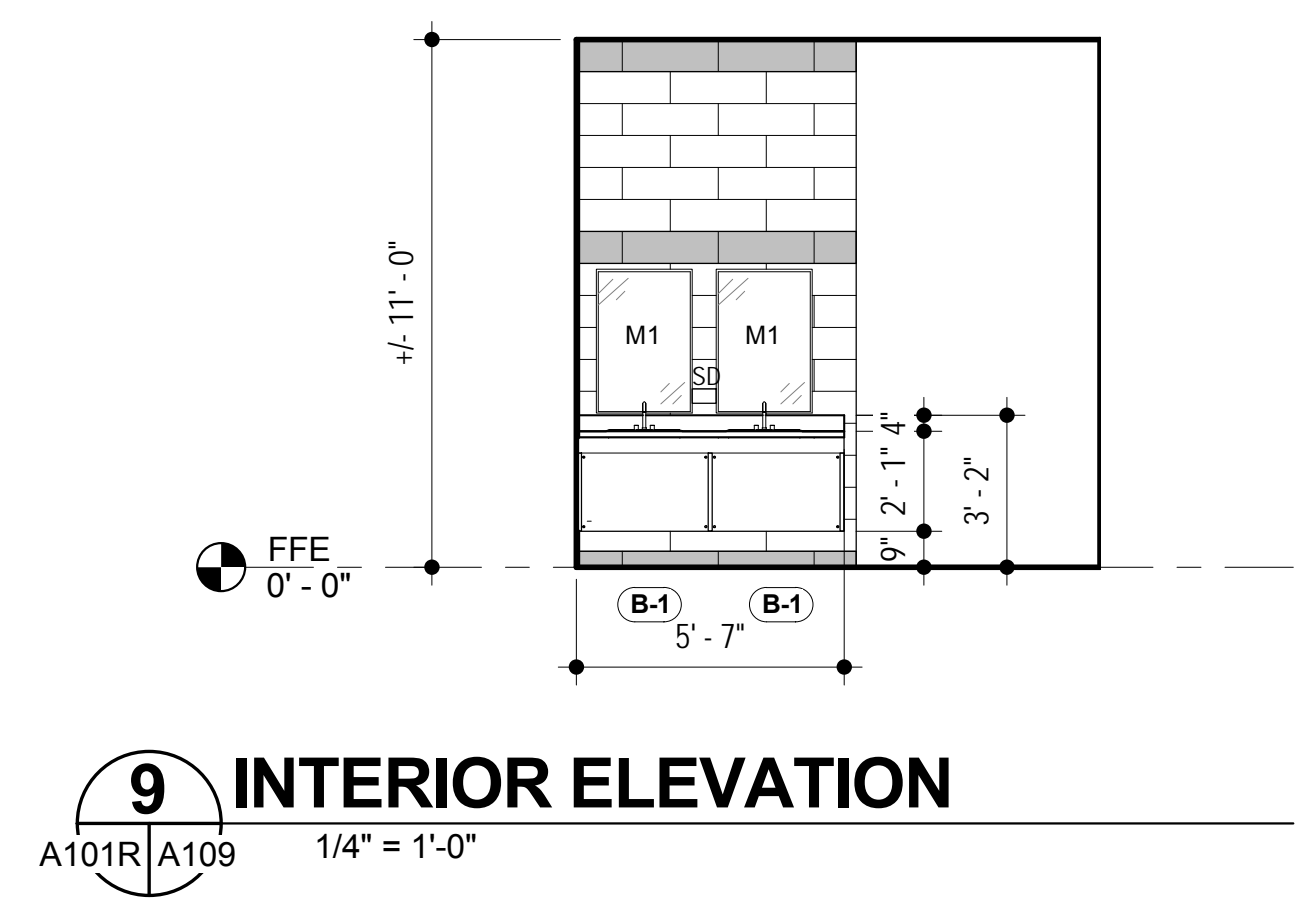
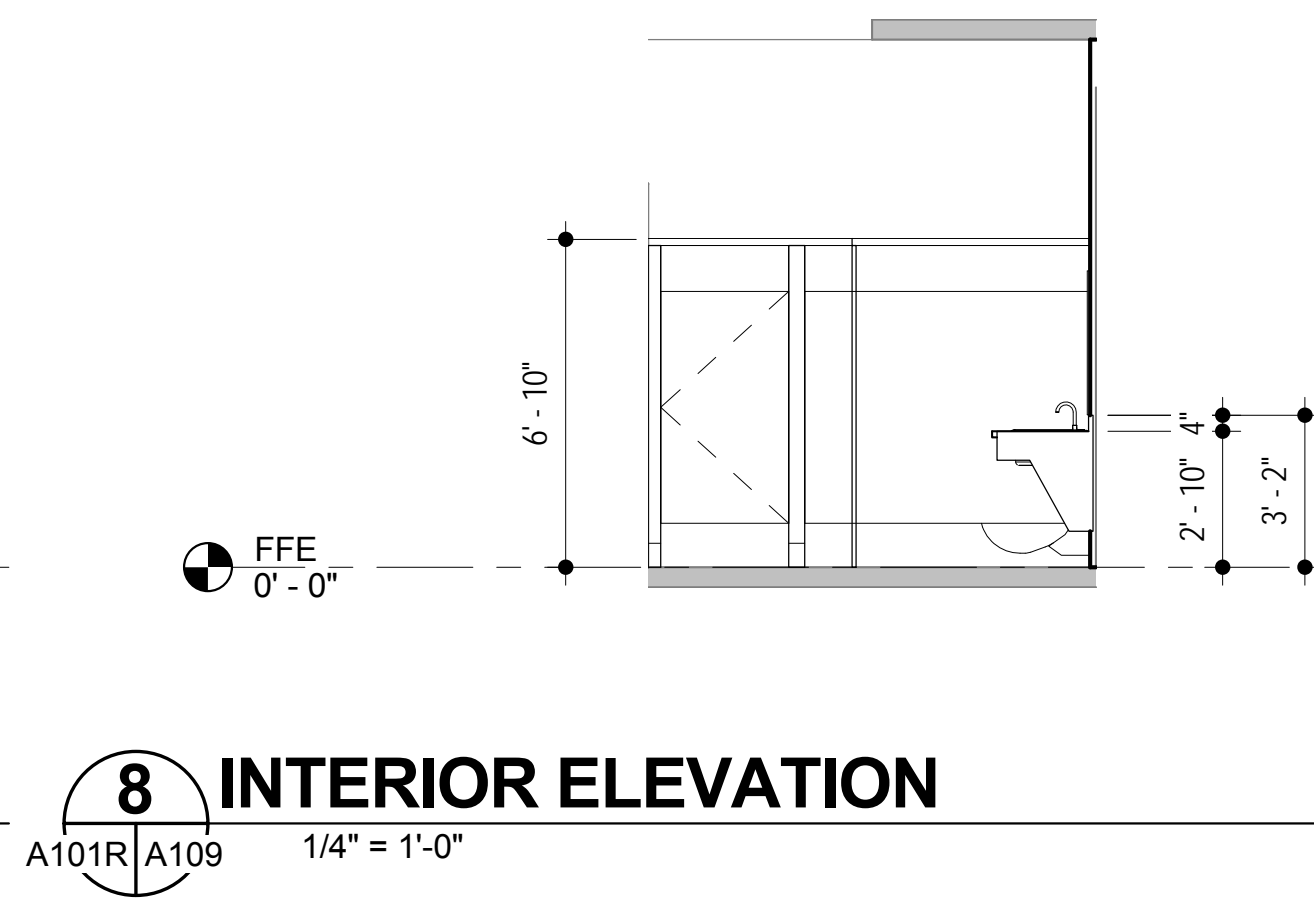
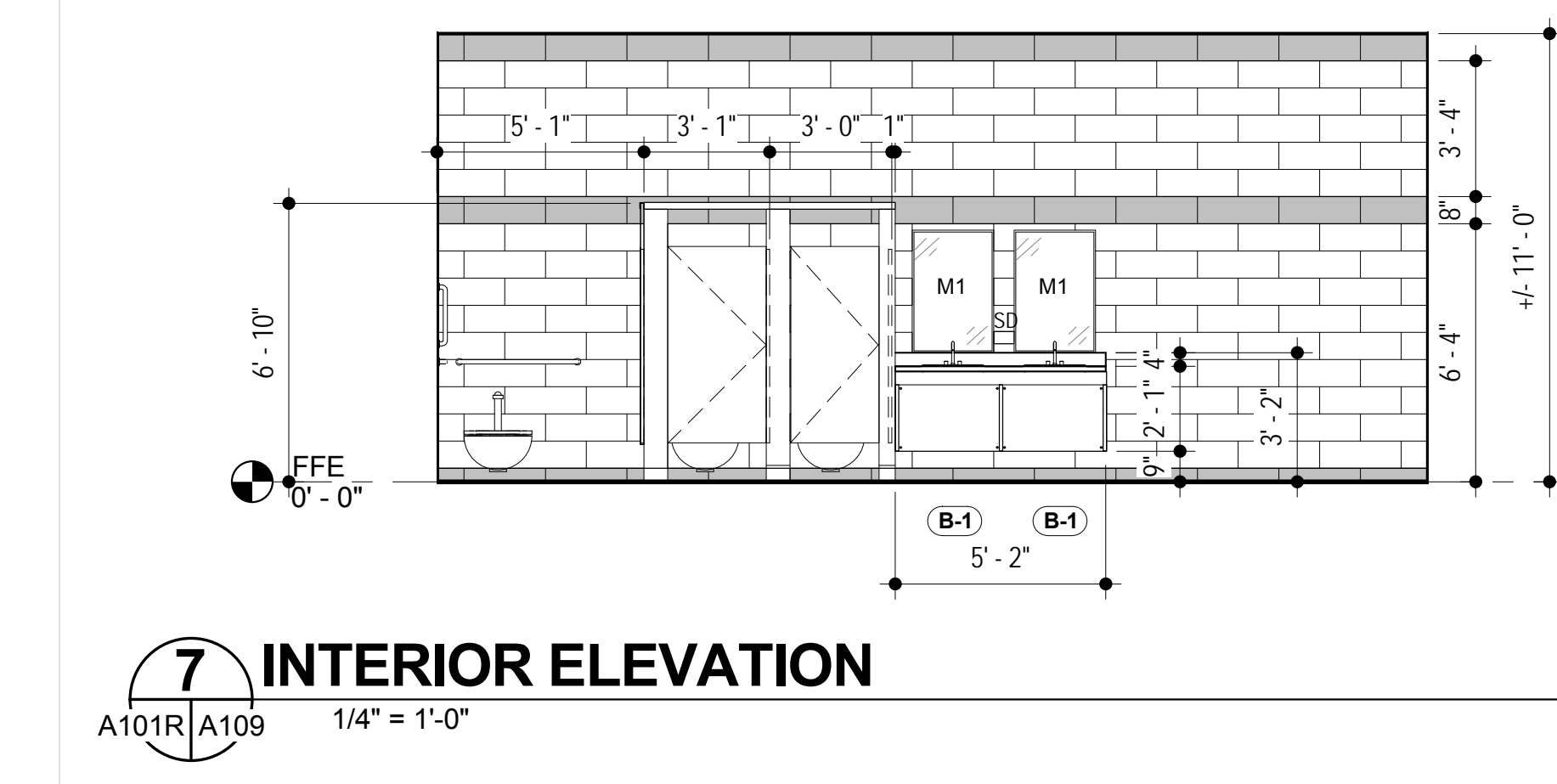
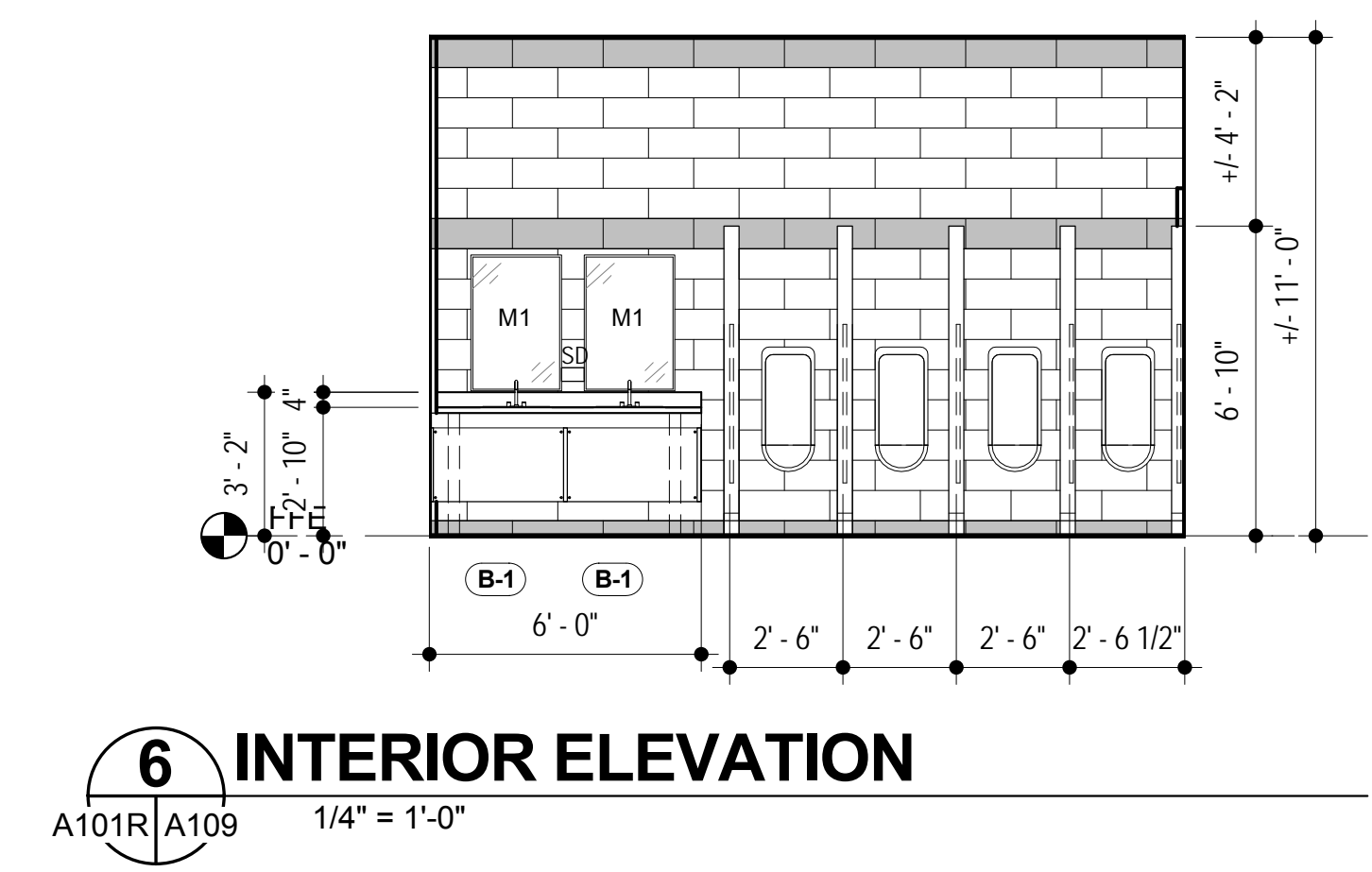
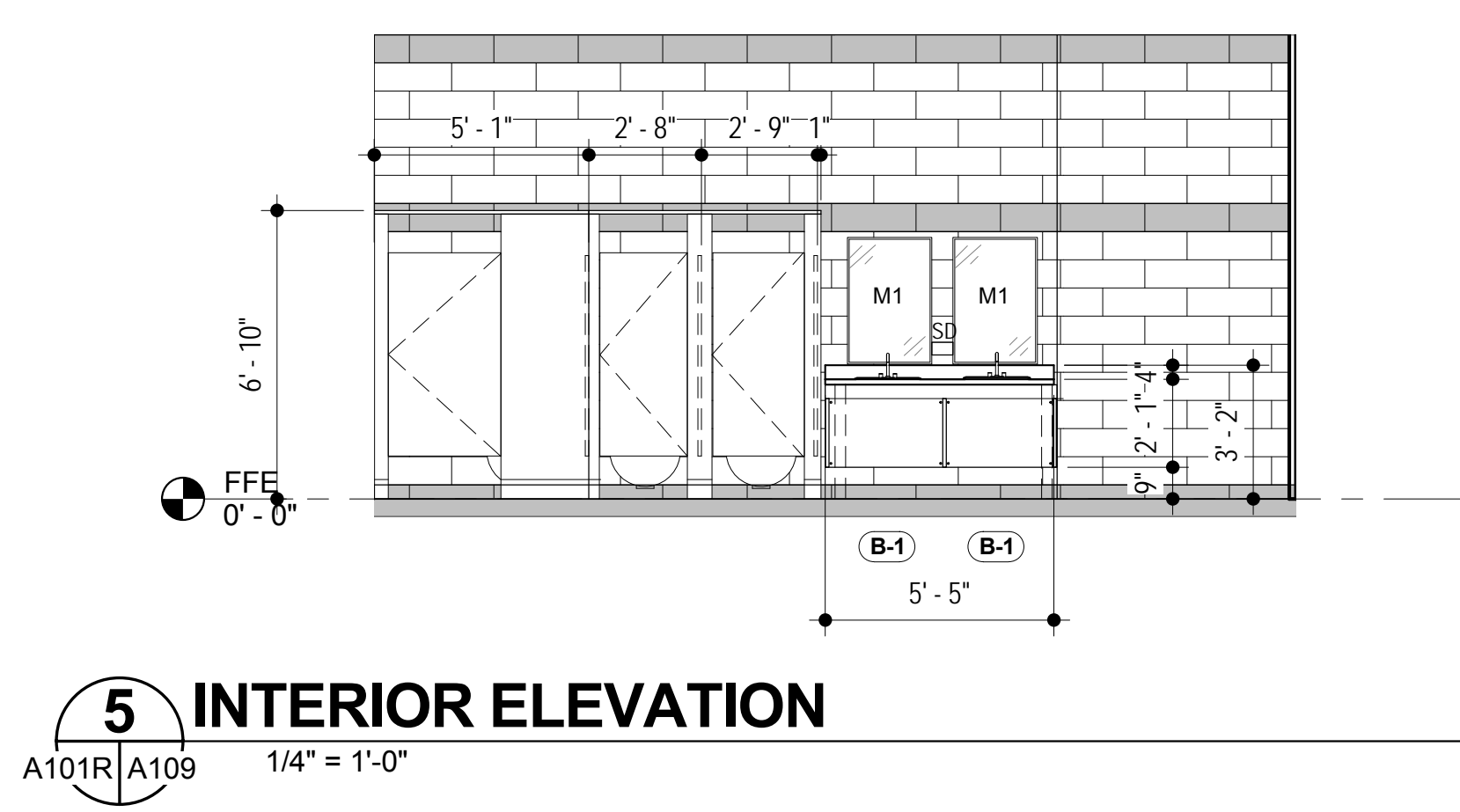
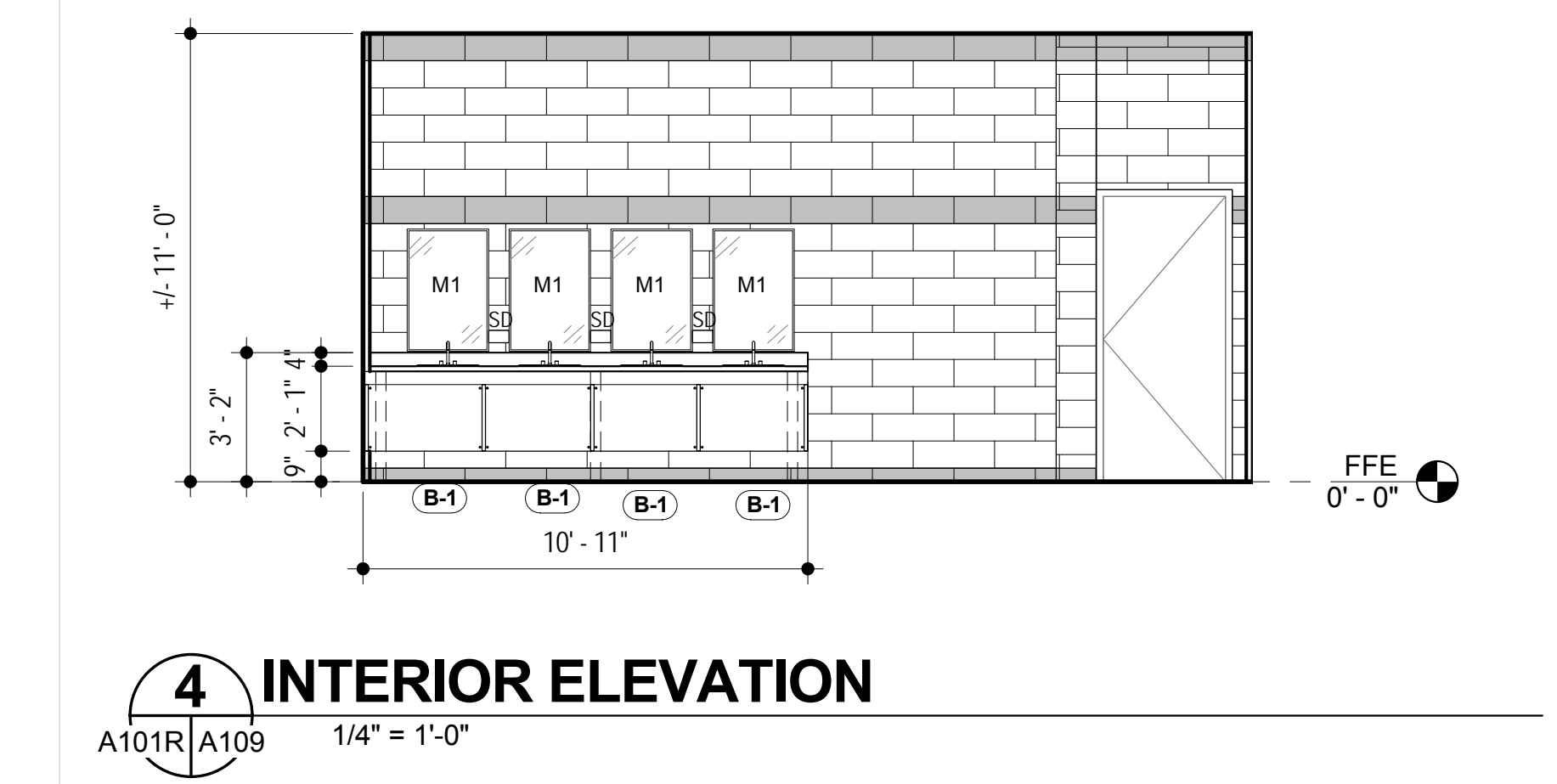
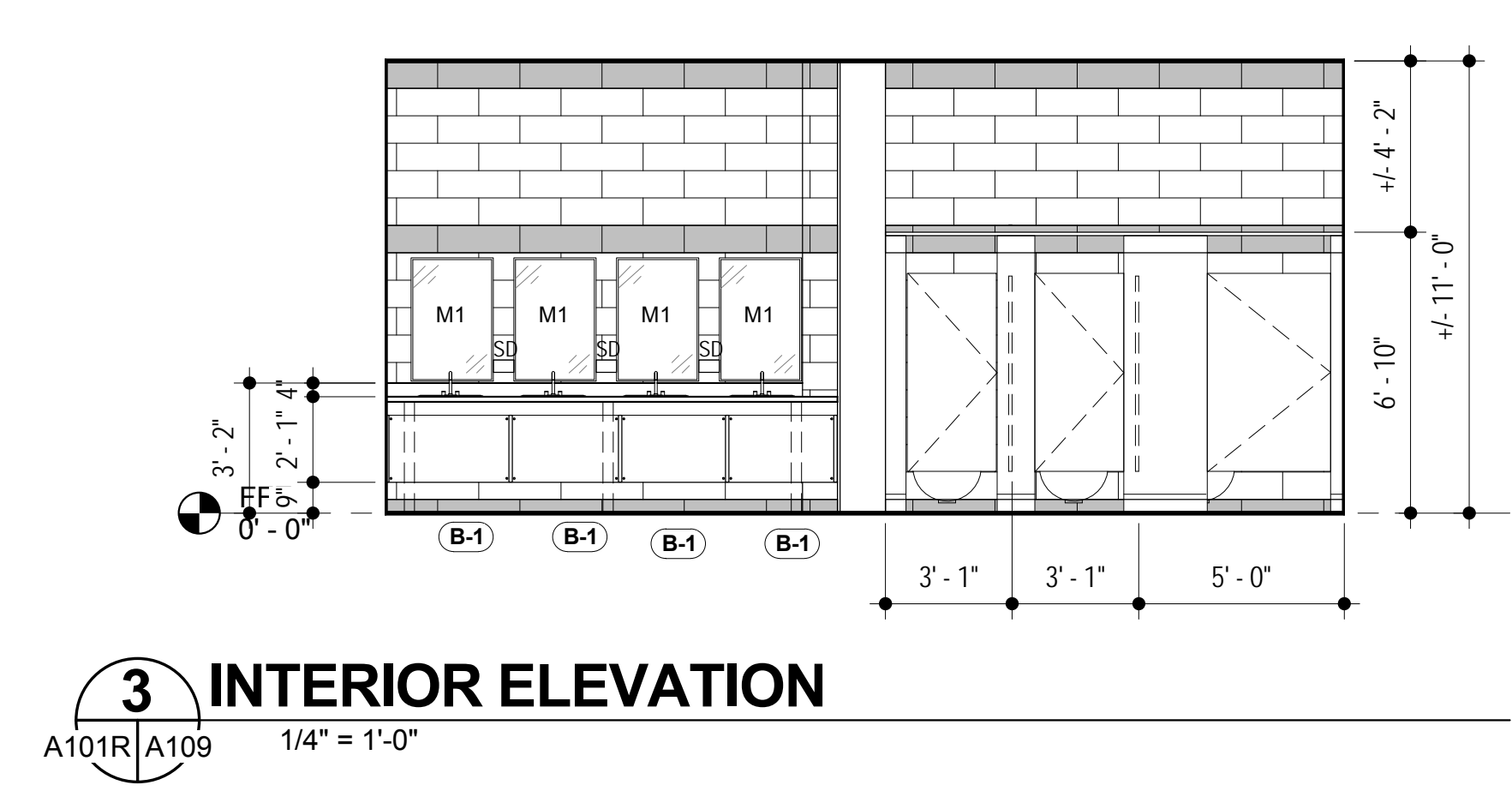
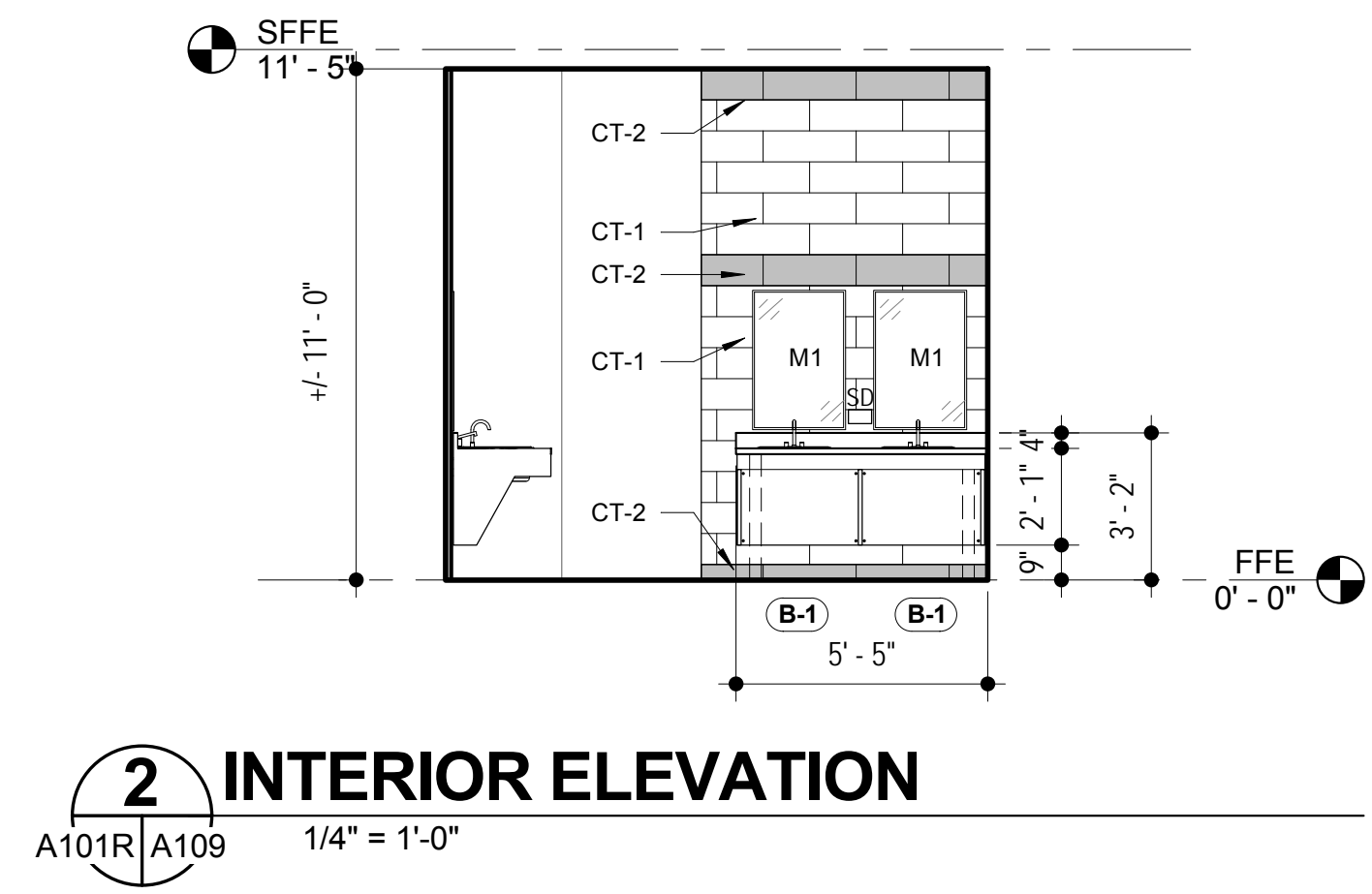
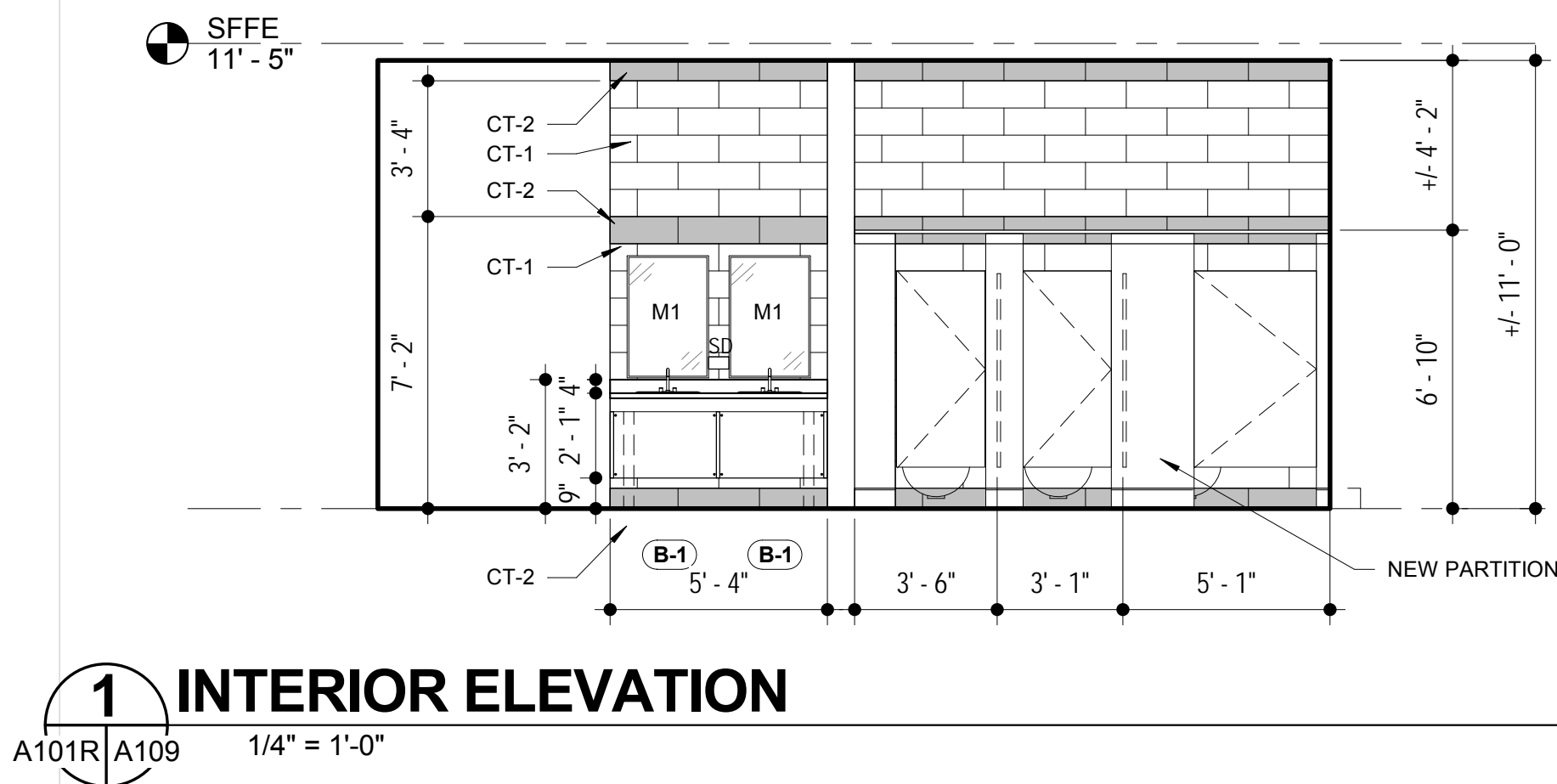
GENERAL NOTES:

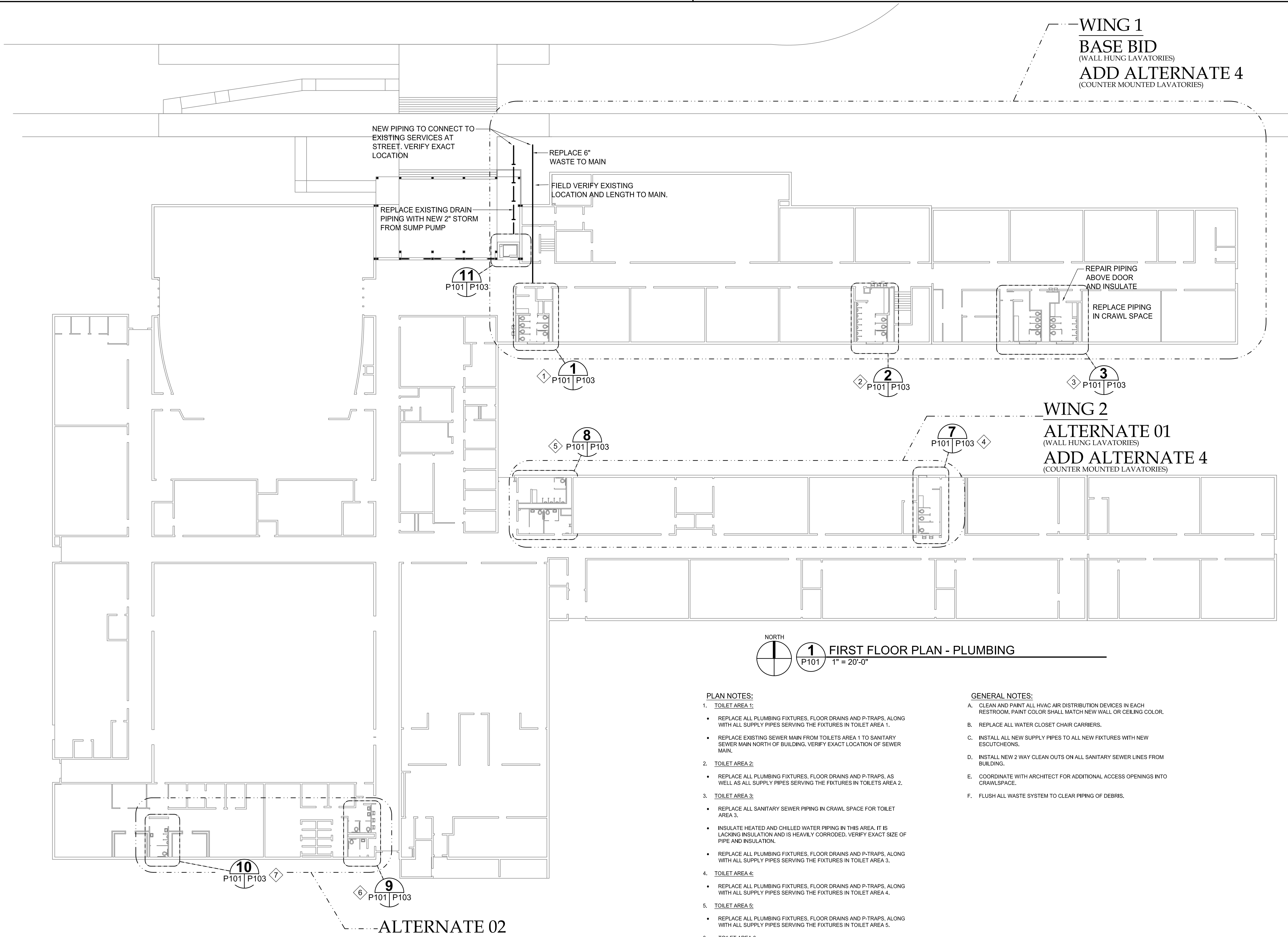
- ALL DIMENSIONS ARE TO THE OUTSIDE FACE OF EXISTING WALL UNLESS NOTED OTHERWISE. CONTRACTOR IS TO FIELD VERIFY ALL DIMENSIONS.
- ALL PARTITIONS ARE TO EXTEND TO THE DECK UNLESS NOTED OTHERWISE.
- REFER TO PLUMBING AND ELECTRICAL SHEETS FOR ADDITIONAL REQUIREMENTS.
- REFER TO SHEETS A105-A107 FOR INTERIOR ELEVATIONS. SEE SHEET A107 FOR TYPICAL TILE ELEVATION.
- (NOTE: ALL WALLS NOT RECEIVING TILES ARE TO BE PAINTED AND NEW ELECTRICAL COVER PLATES AS SCHEDULED.)
- THE FINISH FLOOR WILL BE REFERENCED AS 0'-0" AND ALL OTHER FLOOR ELEVATIONS, CEILINGS, ETC. WILL BE REFERENCED FROM THAT ELEVATION OR CORRESPONDING LEVEL.
- BASE BID.** THE SCOPE OF WORK CONSISTS OF INSTALLING NEW PLUMBING FIXTURES, TOILET ACCESSORIES, NEW WALL TILE ON THE WET WALLS, PAINTING THE EXISTING WALL THAT DOES NOT RECEIVE NEW WALL TILE, LIGHT FIXTURES, AND NEW FLOOR FINISH IN THE RESTROOM AREA FOR THE 2 STORY PORTION OF THE BUILDING DESIGNATED AS WING 1.
- ADD ALTERNATE 01.** THE SCOPE OF WORK CONSISTS OF INSTALLING NEW PLUMBING FIXTURES, TOILET ACCESSORIES, NEW WALL TILE ON THE WET WALLS, PAINTING THE EXISTING WALL THAT DOES NOT RECEIVE NEW WALL TILE, LIGHT FIXTURES, AND NEW FLOOR FINISH IN THE RESTROOM AREA FOR THE 1 STORY PORTION OF THE BUILDING DESIGNATED AS WING 2.

- ADD ALTERNATE 02.** THE SCOPE OF WORK CONSISTS OF INSTALLING NEW PLUMBING FIXTURES, TOILET ACCESSORIES, NEW WALL TILE ON THE WET WALLS, PAINTING THE EXISTING WALL THAT DOES NOT RECEIVE NEW WALL TILE, LIGHT FIXTURES, AND NEW FLOOR FINISH IN THE RESTROOM AREA FOR THE 1 STORY PORTION OF THE BUILDING LOCATED BEHIND THE GYMNASIUM.
- ADD ALTERNATE 03.** THE SCOPE OF WORK IS AS FOLLOWS: ALL WALLS IN THE RESTROOMS ARE TO BE TILED TO THE HEIGHT OF EXISTING DECK OR STRUCTURE. SEE ALTERNATE ELEVATION FOR ADDITIONAL INFORMATION. REFER TO TYPICAL TILE ELEVATION FOR TILE LAYOUT.
- (NOTE: DOTTED LINES ON PLANS INDICATES THE ALTERNATE SCOPE OF WORK.)
- ADD ALTERNATE 04.** THE SCOPE OF WORK IS AS FOLLOWS: PROVIDE MILLWORK AND COUNTERS WITH VANITIES INSERT AS SCHEDULED IN LIEU OF SINGLE WALL MOUNTED VANITIES. SEE ALTERNATE PLANS AND ELEVATIONS FOR ADDITIONAL INFORMATION.

CONSTRUCTION NOTES

| Keynote Number | Description |
|----------------|---|
| 1 | GC TO PREP EXISTING FLOOR FOR NEW FLOOR FINISH. |
| 2 | PROVIDE NEW URINAL AND TOILET PARTITIONS. |
| 3 | GC TO REPAIR AND PREP WALL TO RECEIVE NEW FINISH. COORDINATE WITH PLUMBING AND ELECTRICAL SHEETS FOR ADDITIONAL INFORMATION. |
| 4 | PREP AND PAINT EXISTING CEILING. COLOR AS SCHEDULED. SEE SHEET A104 FOR ADDITIONAL INFORMATION. |
| 5 | PROVIDE NEW DRINKING FOUNTAIN. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION. GC TO PATCH AND REPAIR WALL / FLOOR AS REQUIRED. ON FLOOR REPAIR PROVIDE NEW VCT MATERIAL IS TO MATCH THE ADJACENT FLOOR FINISH IN SIZE AND COLOR. |
| 6 | GC TO MODIFY THE WALL AS REQUIRED TO INSTALL NEW FIXTURE COMPONENTS. GC SHALL INSTALL NEW MATERIAL THAT MATCHES THE ADJACENT WALL MATERIAL UNLESS OTHERWISE NOTED. GC SHALL COORDINATE THE INSTALLATION OF NEW COMPONENTS WITH THE PLUMBING DRAWINGS. |
| 7 | WALL DRAIN TO REMAIN. MODIFY AS REQUIRED TO INSTALL NEW WORK. SEE PLUMBING FOR ADDITIONAL INFORMATION. |
| 8 | ADD ALTERNATE. PROVIDE NEW WALL TILE UP TO EXISTING DECK OR STRUCTURE. |
| 9 | ADD ALTERNATE. PROVIDE NEW TILE IN WINDOW JAMB AND HEAD. PROVIDE SS-1 IN THE SILL. SS-1 TO OVER HANG WALL TILE BY 1". |





WING 1
BASE BID
(WALL HUNG LAVATORIES)
ADD ALTERNATE 4
(COUNTER MOUNTED LAVATORIES)

NEW PIPING TO CONNECT TO
EXISTING SERVICES AT
STREET. VERIFY EXACT
LOCATION

REPLACE 6"
WASTE TO MAIN

FIELD VERIFY EXISTING
LOCATION AND LENGTH TO MAIN.

REPLACE EXISTING DRAIN
PIPING WITH NEW 2" STORM
FROM SUMP PUMP

REPAIR PIPING
ABOVE DOOR
AND INSULATE

REPLACE PIPING
IN CRAWL SPACE

WING 2
ALTERNATE 01
(WALL HUNG LAVATORIES)
ADD ALTERNATE 4
(COUNTER MOUNTED LAVATORIES)



1 FIRST FLOOR PLAN - PLUMBING
1" = 20'-0"

PLAN NOTES:

- TOILET AREA 1:
 - REPLACE ALL PLUMBING FIXTURES, FLOOR DRAINS AND P-TRAPS, ALONG WITH ALL SUPPLY PIPES SERVING THE FIXTURES IN TOILET AREA 1.
 - REPLACE EXISTING SEWER MAIN FROM TOILETS AREA 1 TO SANITARY SEWER MAIN NORTH OF BUILDING. VERIFY EXACT LOCATION OF SEWER MAIN.
- TOILET AREA 2:
 - REPLACE ALL PLUMBING FIXTURES, FLOOR DRAINS AND P-TRAPS, AS WELL AS ALL SUPPLY PIPES SERVING THE FIXTURES IN TOILETS AREA 2.
- TOILET AREA 3:
 - REPLACE ALL SANITARY SEWER PIPING IN CRAWL SPACE FOR TOILET AREA 3.
 - INSULATE HEATED AND CHILLED WATER PIPING IN THIS AREA. IT IS LACKING INSULATION AND IS HEAVILY CORRODED. VERIFY EXACT SIZE OF PIPE AND INSULATION.
 - REPLACE ALL PLUMBING FIXTURES, FLOOR DRAINS AND P-TRAPS, ALONG WITH ALL SUPPLY PIPES SERVING THE FIXTURES IN TOILET AREA 3.
- TOILET AREA 4:
 - REPLACE ALL PLUMBING FIXTURES, FLOOR DRAINS AND P-TRAPS, ALONG WITH ALL SUPPLY PIPES SERVING THE FIXTURES IN TOILET AREA 4.
- TOILET AREA 5:
 - REPLACE ALL PLUMBING FIXTURES, FLOOR DRAINS AND P-TRAPS, ALONG WITH ALL SUPPLY PIPES SERVING THE FIXTURES IN TOILET AREA 5.
- TOILET AREA 6:
 - REPLACE ALL PLUMBING FIXTURES, FLOOR DRAINS AND P-TRAPS, ALONG WITH ALL SUPPLY PIPES SERVING THE FIXTURES IN TOILET AREA 6.
- TOILET AREA 10:
 - REPLACE ALL PLUMBING FIXTURES, FLOOR DRAINS AND P-TRAPS, ALONG WITH ALL SUPPLY PIPES SERVING THE FIXTURES IN TOILET AREA 10.

GENERAL NOTES:

- CLEAN AND PAINT ALL HVAC AIR DISTRIBUTION DEVICES IN EACH RESTROOM. PAINT COLOR SHALL MATCH NEW WALL OR CEILING COLOR.
- REPLACE ALL WATER CLOSET CHAIR CARRIERS.
- INSTALL ALL NEW SUPPLY PIPES TO ALL NEW FIXTURES WITH NEW ESCUTCHEONS.
- INSTALL NEW 2 WAY CLEAN OUTS ON ALL SANITARY SEWER LINES FROM BUILDING.
- COORDINATE WITH ARCHITECT FOR ADDITIONAL ACCESS OPENINGS INTO CRAWLSPACE.
- FLUSH ALL WASTE SYSTEM TO CLEAR PIPING OF DEBRIS.

ALTERNATE 02

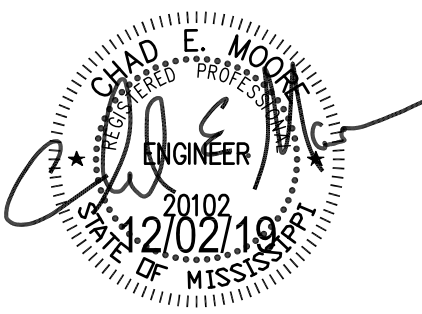
19.089.02
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Seal



Project
2018 BOND PROJECT
JIM HILL HIGH SCHOOL IMPROVEMENTS
JACKSON PUBLIC SCHOOLS
JACKSON, MS 39202

Project
Number: 19.002

Date: 12.02.2019

Drawn by: CMM

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1 01.15.2020

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3

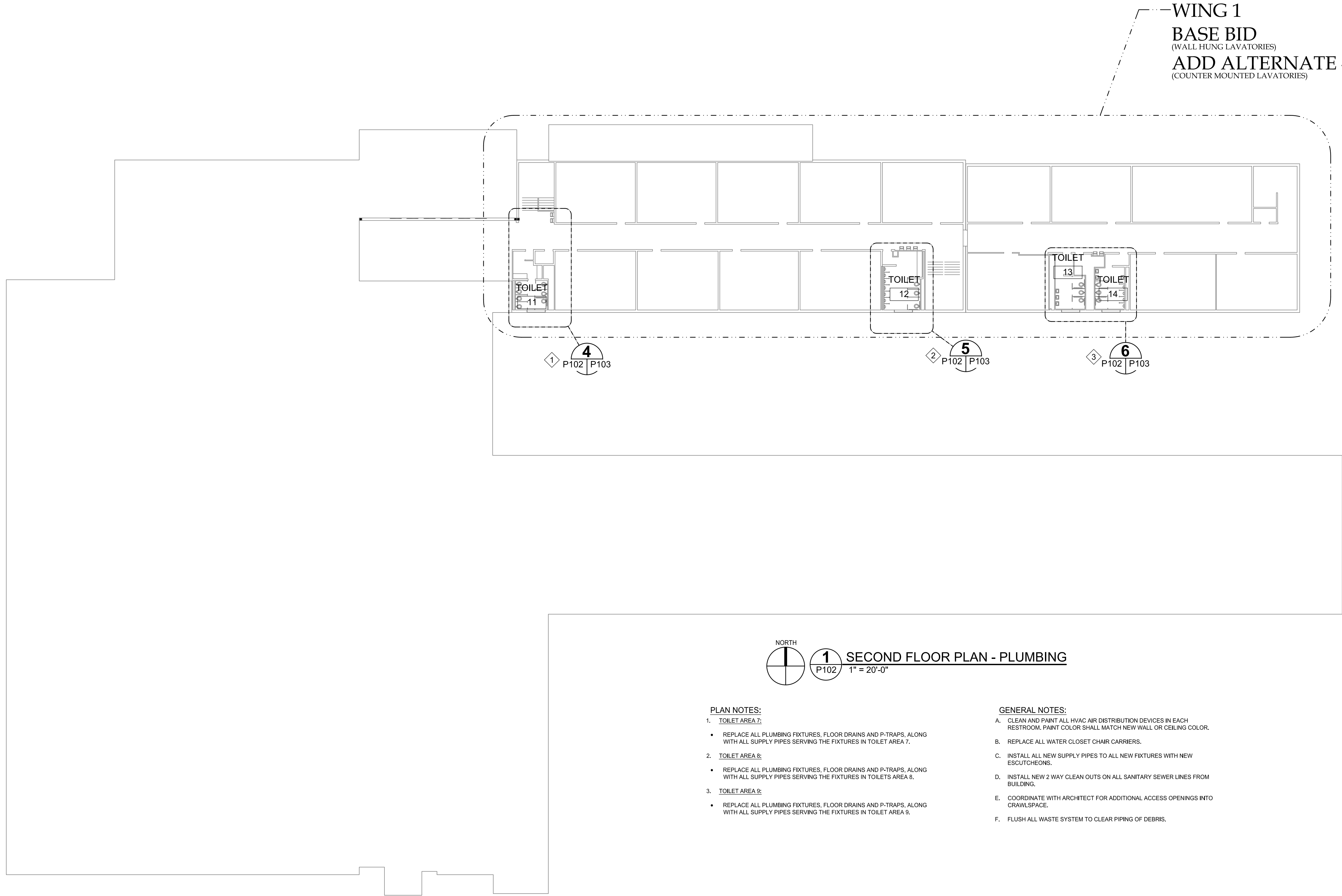
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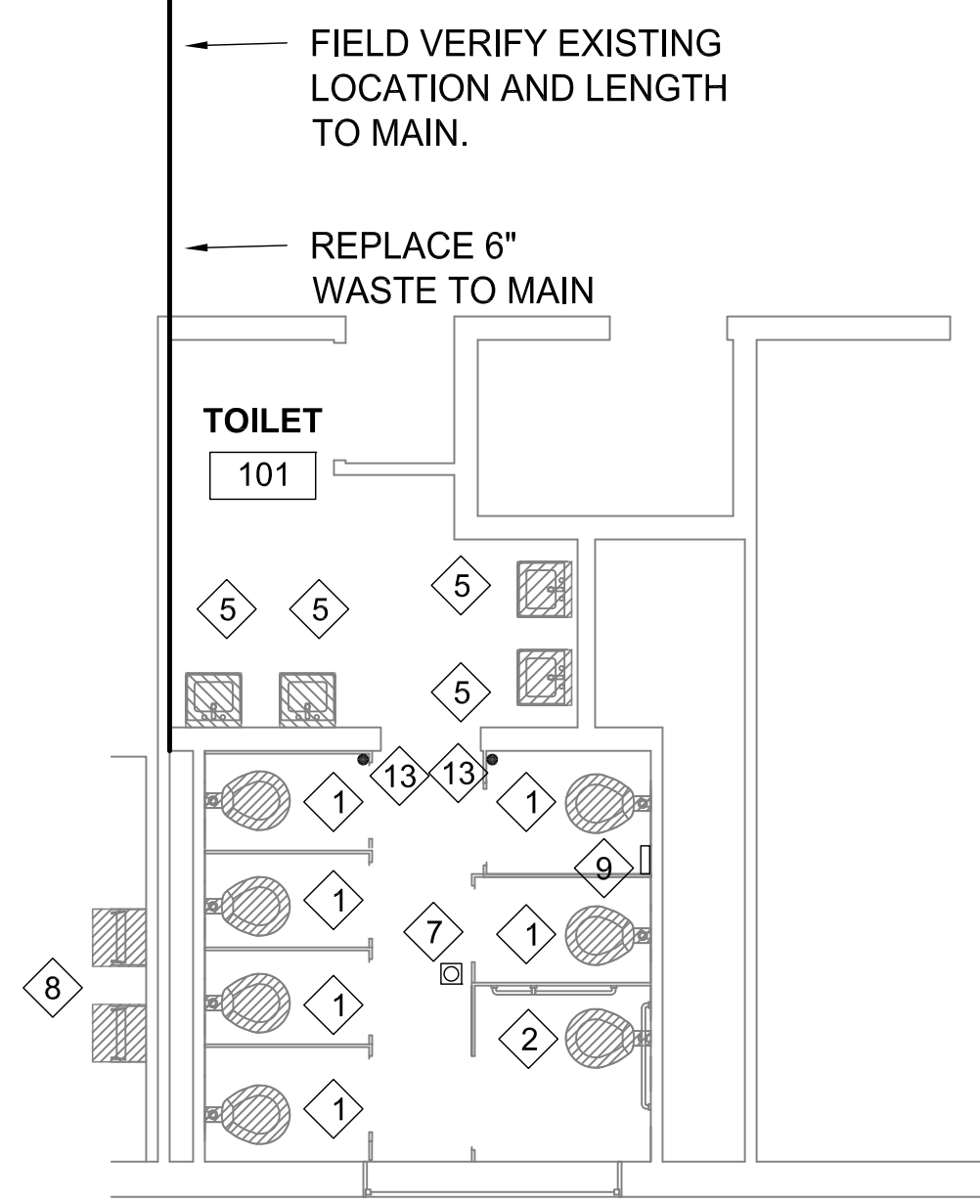
FIRST FLOOR
PLAN
TOILET
RENOVATIONS

Sheet Number . of .

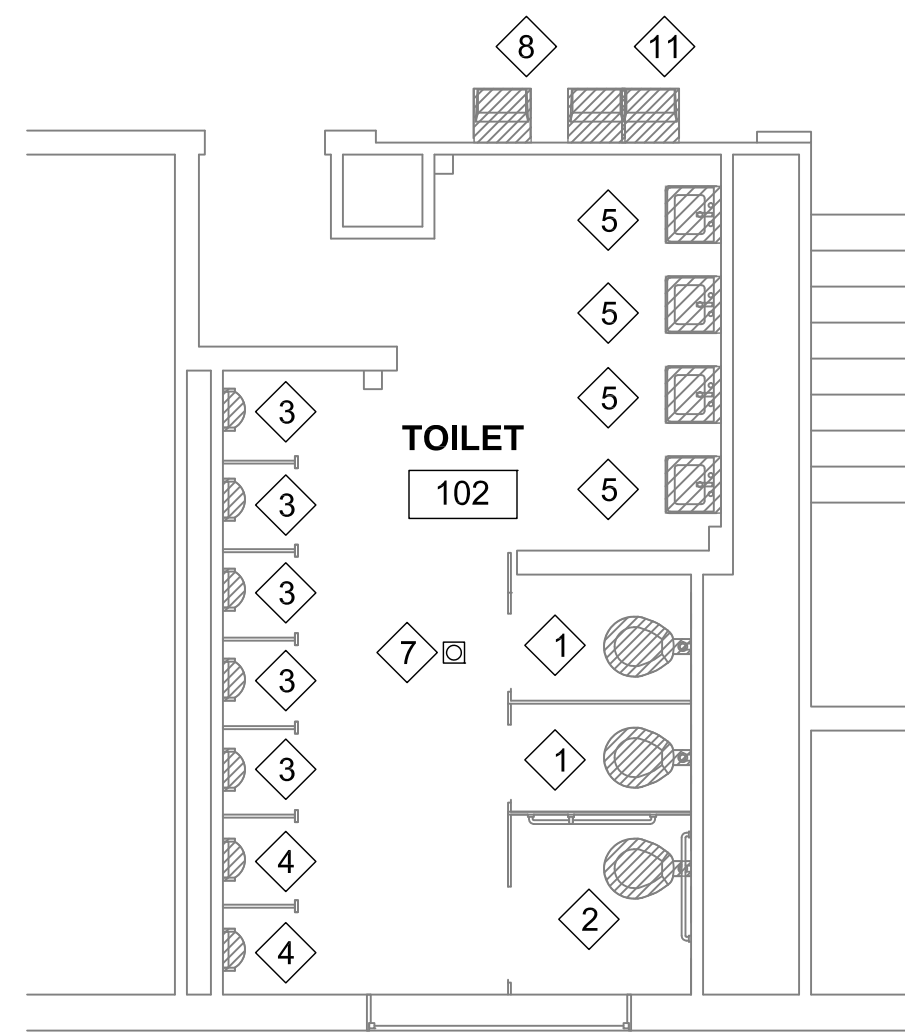
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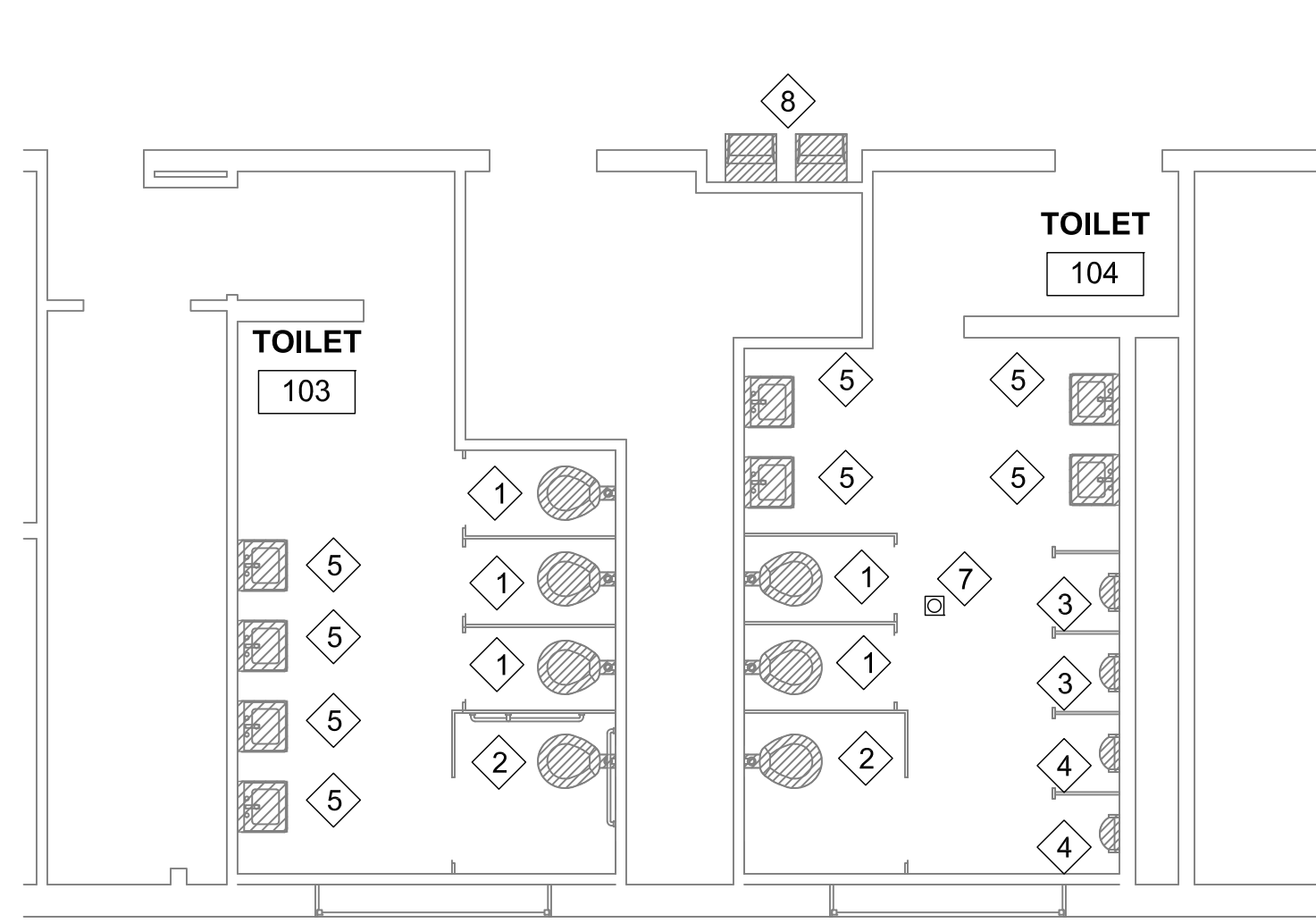




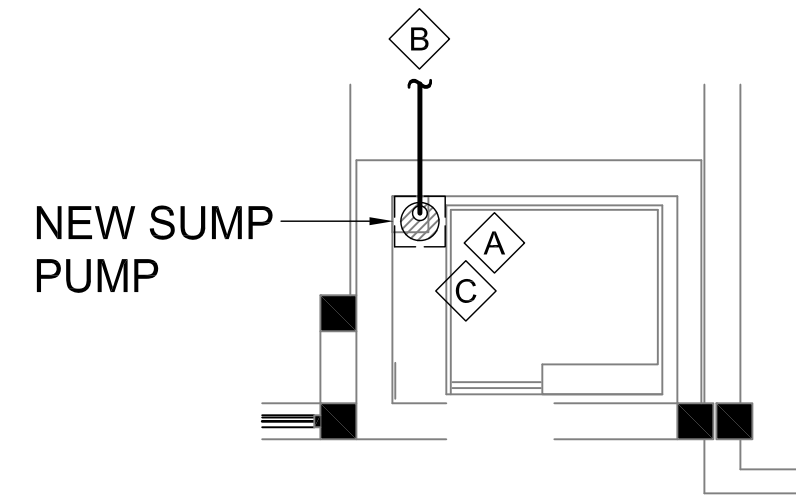
ENLARGED PLAN
BASE BID
1
P101|P103 3/16" = 1'-0"



ENLARGED PLAN
BASE BID
2
P101|P103 3/16" = 1'-0"

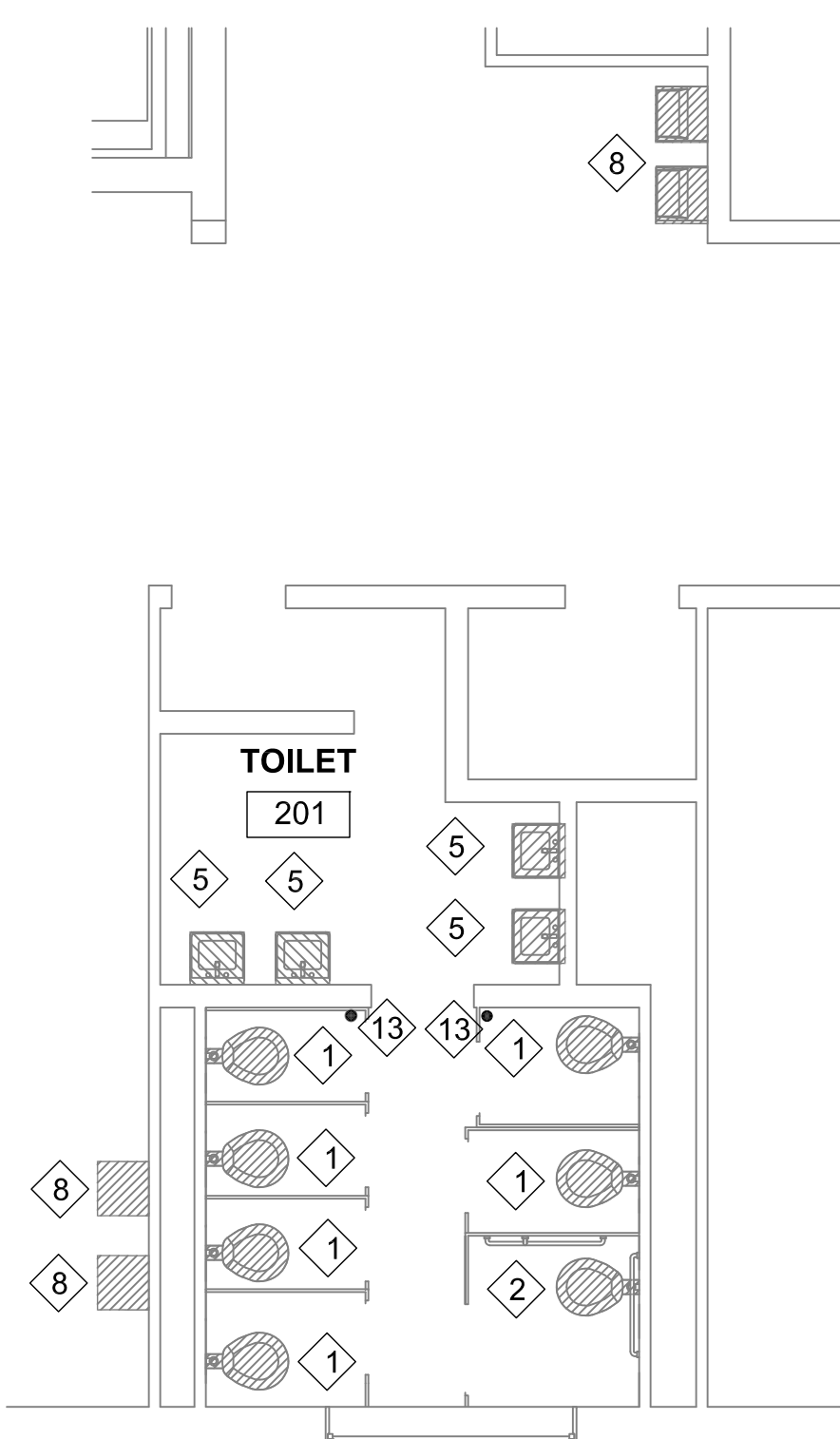


ENLARGED PLAN
BASE BID
3
P101|P103 3/16" = 1'-0"

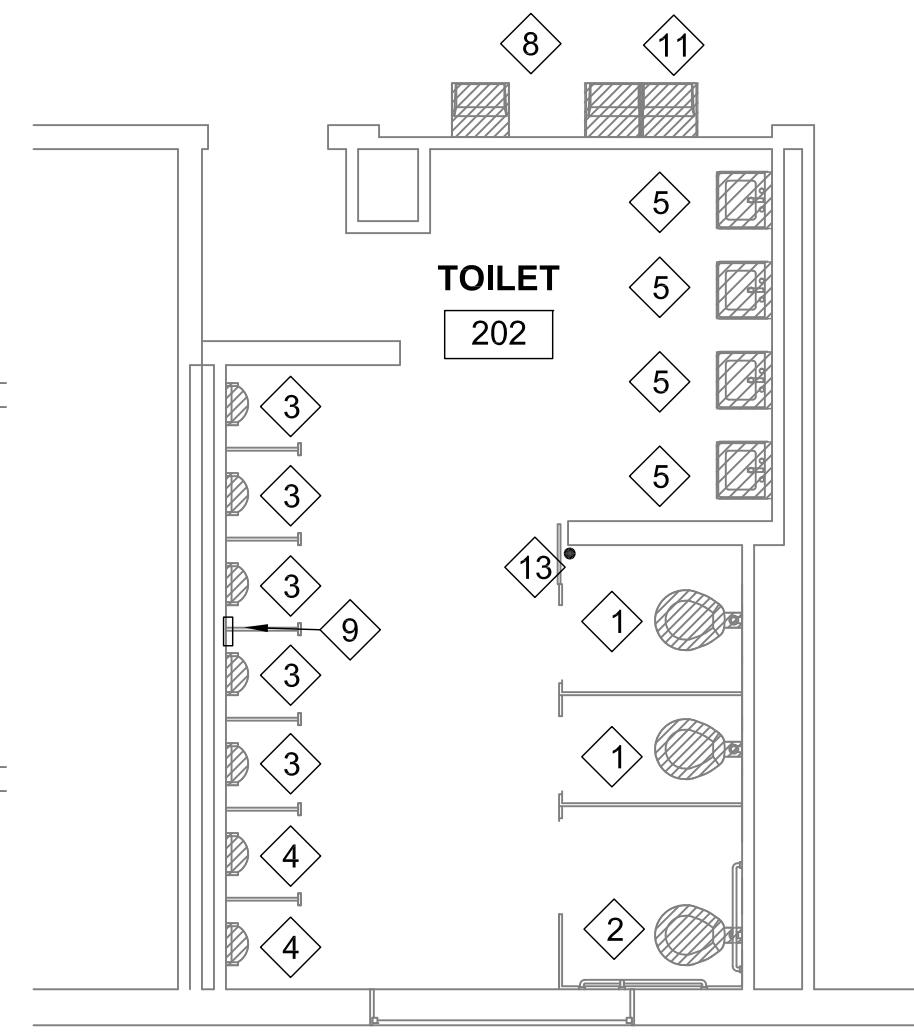


ENLARGED PLAN
BASE BID
11
P101|P103 3/16" = 1'-0"

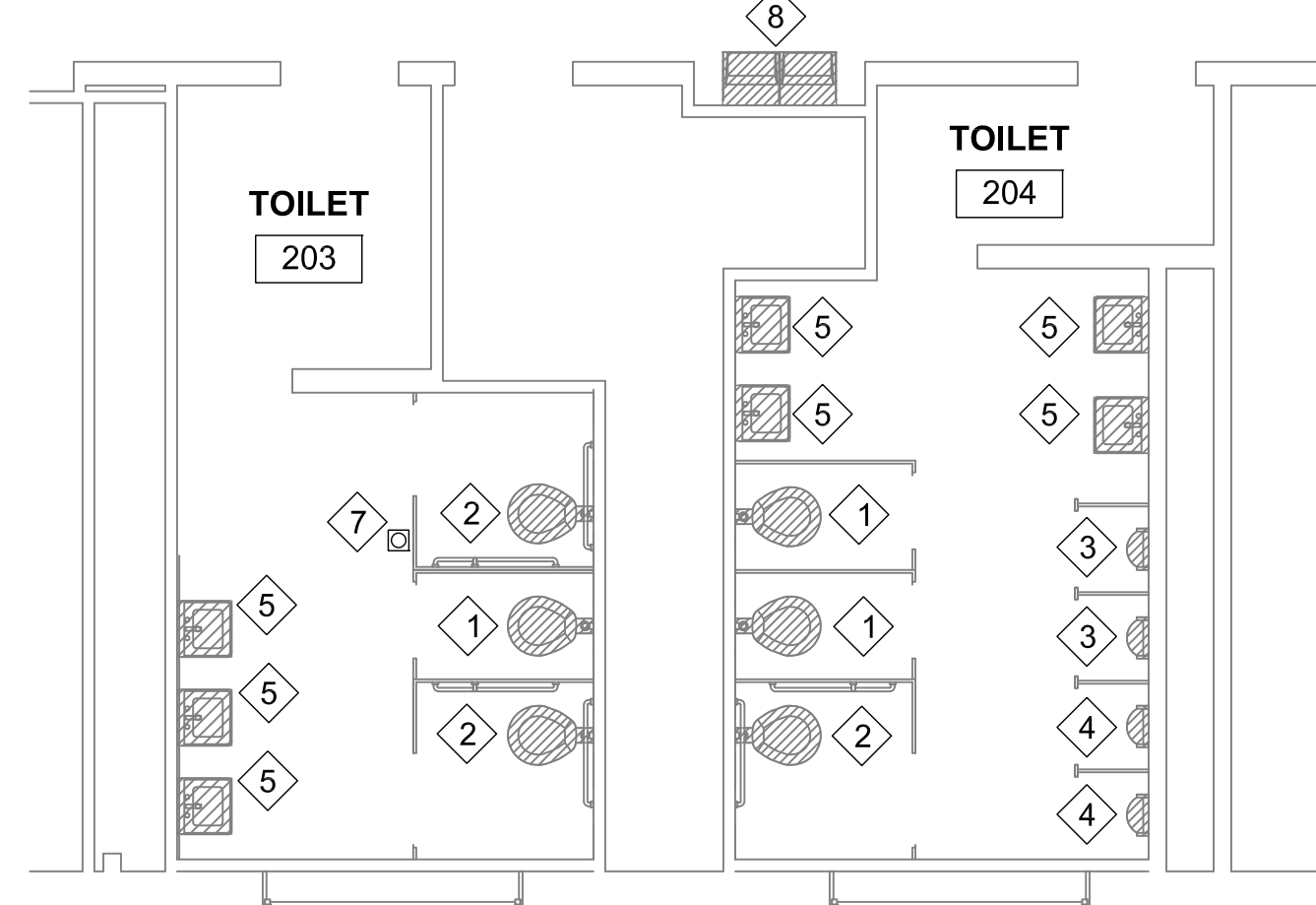
- SUMP PUMP NOTE: #
- A. SUMP PUMP EQUAL TO GREEN GIANT SUBMERSIBLE THAT IS 50 GPM, WITH APPROX 12-15 FT. OF HEAD AND AN OIL MINDER SYSTEM WITH ALARM. INSTALL NEW 2" DISCHARGE FROM PUMP, RISE AND RUN OUT TO EXISTING MAIN AT STREET AND CONNECT TO EXISTING SERVICES. SEE DETAIL.
- B. NEW 2" ELEVATOR DISCHARGE TO BE INSTALLED. CONNECT TO EXISTING STORM MAIN AT STREET.
- C. REMOVE EXISTING SUMP PUMP.



ENLARGED PLAN
BASE BID
4
P102|P103 3/16" = 1'-0"



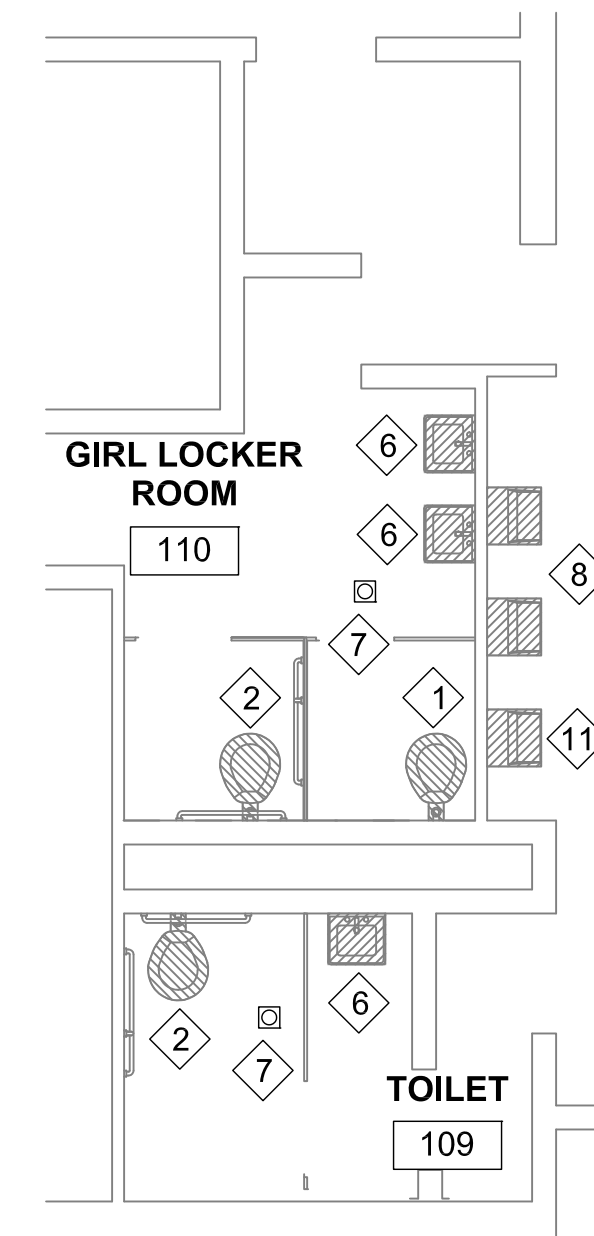
ENLARGED PLAN
BASE BID
5
P102|P103 3/16" = 1'-0"



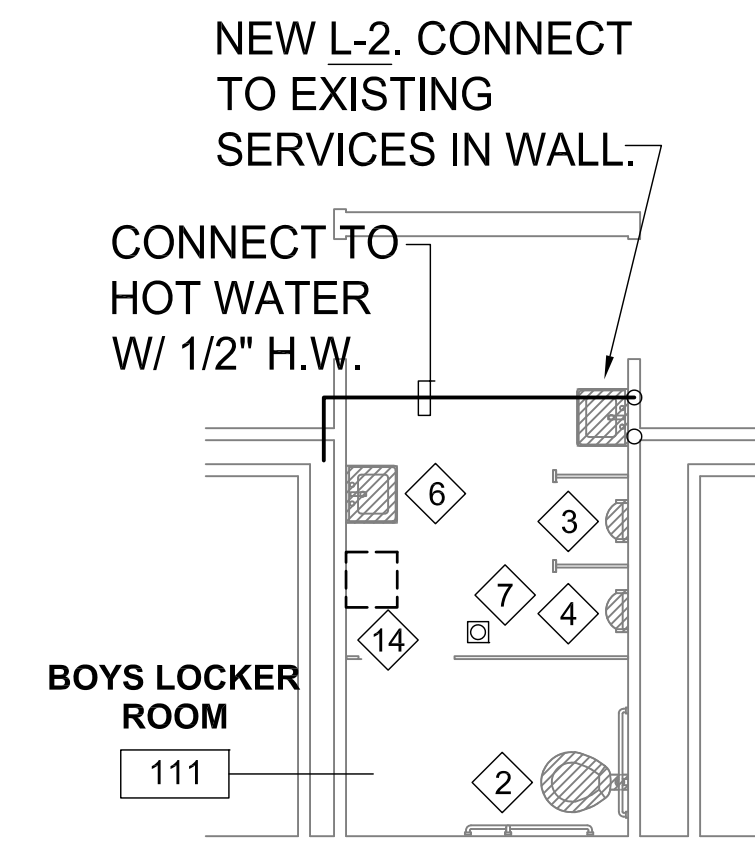
ENLARGED PLAN
BASE BID
6
P102|P103 3/16" = 1'-0"

GENERAL NOTES

1. FLUSH ALL WASTE PIPING FROM AREAS OF WORK, TO CLEAR FROM DEBRIS OR CLOGGED AREAS TO ENSURE PROPER FLOW.
2. IF ADDITIVE ALTERNATE NUMBER 4 IS TAKEN, LAVATORIES IN AREAS 1 THROUGH 6 SHALL CHANGE FROM WALL HUNG TO COUNTER MOUNTED DROP-IN. SEE NOTE 5.



ENLARGED PLAN
ALTERNATE 2
9
P101|P103 3/16" = 1'-0"



ENLARGED PLAN
ALTERNATE 2
10
P101|P103 3/16" = 1'-0"

PLAN NOTES

- #
1. REMOVE AND REPLACE EXISTING WATER CLOSET WITH WC-1. THIS CONTRACTOR IS TO MAKE NECESSARY MODIFICATIONS FOR INSTALLATION OF NEW WATER CLOSET.
 2. REMOVE AND REPLACE EXISTING WATER CLOSET WITH WC-2. THIS CONTRACTOR IS TO MAKE NECESSARY MODIFICATIONS FOR INSTALLATION OF NEW WATER CLOSET.
 3. REMOVE AND REPLACE EXISTING URINAL WITH U-1. THIS CONTRACTOR IS TO MAKE NECESSARY MODIFICATIONS FOR INSTALLATION OF NEW URINAL.
 4. REMOVE AND REPLACE EXISTING URINAL WITH U-2. THIS CONTRACTOR IS TO MAKE NECESSARY MODIFICATIONS FOR INSTALLATION OF NEW URINAL.
 5. REMOVE AND REPLACE EXISTING LAVATORY WITH L-2. THE CONTRACTOR IS TO MAKE NECESSARY MODIFICATIONS FOR INSTALLATION OF NEW LAVATORY. IF ALTERNATE 4 IS CHOSEN, INSTALL COUNTER MOUNT L-1.
 6. REMOVE AND REPLACE EXISTING LAVATORY WITH L-2. THIS CONTRACTOR IS TO MAKE NECESSARY MODIFICATIONS FOR INSTALLATION OF NEW LAVATORY.
 7. REMOVE AND REPLACE EXISTING FLOOR DRAIN WITH FD-1. THIS CONTRACTOR IS TO MAKE NECESSARY MODIFICATIONS FOR INSTALLATION OF NEW FLOOR DRAIN.
 8. REMOVE AND REPLACE EXISTING ELECTRIC DRINKING FOUNTAIN WITH EDF-1. THIS CONTRACTOR IS TO MAKE NECESSARY MODIFICATIONS FOR INSTALLATION OF NEW DRINKING FOUNTAIN.
 9. REMOVE AND REPLACE EXISTING FLOOR DRAIN WITH FD-2. THIS CONTRACTOR IS TO MAKE NECESSARY MODIFICATIONS FOR INSTALLATION OF NEW FLOOR DRAIN.
 10. EXISTING MOP BASIN TO REMAIN. FLUSH DRAIN TO CLEAR ANY DEBRIS OR CONGESTION IN PIPING.
 11. REMOVE AND REPLACE EXISTING ELECTRIC DRINKING FOUNTAIN WITH EDF-2. THIS CONTRACTOR IS TO MAKE NECESSARY MODIFICATIONS FOR INSTALLATION OF NEW DRINKING FOUNTAIN.
 12. REMOVE EXISTING WATER CLOSET IN THIS AREA AND CAP SERVICES AT MAINS. PATCH FLOORS AND WALLS TO MATCH EXISTING.
 13. EXISTING PIPES THROUGH FLOOR TO BE REMOVED AND CAPPED BELOW FLOOR.
 14. REMOVE EXISTING LAVATORY AND ASSOCIATED PIPING. CAP SERVICES IN WALL.

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Seal



Project
2018 BOND PROJECT
JIM HILL HIGH SCHOOL IMPROVEMENTS
JACKSON PUBLIC SCHOOLS
JACKSON, MS 39202

Project
Number: 19.002

Date: 12.02.2019

Drawn by: CMM

Checked by: CEM

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1 01.15.2020

2

3

Sheet Title

LARGE SCALE
PLANS
TOILET
RENOVATIONS

Sheet Number . of .

P103R

PIPE AND INSULATION SCHEDULE

| PIPING SYSTEM | LOCATION | PIPE MATERIALS | | | | | | JOINING METHOD | | | | HEAT TRACE | INSULATION | | | IDENTIFICATION | | | REMARKS |
|-----------------------|-------------|----------------|-----------|--------------------------------|--------|-----------------|--------------------------------|----------------|------------------|--------|------------------|------------|-------------|--------------|--------|----------------|------------------|--|---|
| | | ≤SIZE | MATERIAL | TYPE/ SCHEDULE | >SIZE | MATERIAL | TYPE/ SCHEDULE | ≤SIZE | METHOD | >SIZE | METHOD | | THICK- NESS | TYPE | JACKET | TYPE | BACKGROUND COLOR | LETTERING COLOR | |
| DOMESTIC COLD WATER | BELOW GRADE | 4" | COPPER | TYPE K ASTM B88 | 4" | STAINLESS STEEL | 304/ 200 PSI | 4" | NO JOINTS | 4" | NO JOINTS | - | - | - | - | - | - | UTILIZE STAINLESS STEEL IN-BUILDING RISER FOR PIPE SIZES 4" AND GREATER. IN-BUILDING RISER SHALL BE AMES FIRE & WATERWORKS SERIES IBR OR EQUAL.. UNDERGROUND COPPER & SS PIPE SHALL BE ENCASED WITH POLYETHYLENE IN ACCORDANCE WITH ASTM A 674 OR AWWA C105/A21.5. | |
| DOMESTIC COLD WATER | ABOVE GRADE | 3" | COPPER | TYPE L ASTM B88 | - | - | - | 3" | SOLDERED | - | - | YES | 1/2" | FIBER-GLASS | ASJ | PRE-TENSION | GREEN | WHITE | PIPING OUTDOORS AND/OR EXPOSED TO AMBIENT TEMPERATURE SHALL BE HEAT TRACED. |
| DOMESTIC HOT WATER | ABOVE GRADE | 3" | COPPER | TYPE L ASTM B88 | - | - | - | 3" | SOLDERED | - | - | YES | 3/4" | FIBER-GLASS | ASJ | PRE-TENSION | GREEN | WHITE | INCLUDES DOMESTIC HOT WATER SUPPLY AND RE-CIRCULATION PIPING. PIPING OUTDOORS AND/OR EXPOSED TO AMBIENT TEMPERATURE SHALL BE HEAT TRACED. |
| CHILLED WATER | ABOVE GRADE | 2-1/2" | COPPER | TYPE L ASTM B88 | - | - | - | 2-1/2" | SOLDERED | - | - | YES | 1-1/2" | CELL-GLASS | ASJ | PRE-TENSION | GREEN | WHITE | INCLUDES SUPPLY AND RETURN PIPING. PIPING OUTDOORS AND/OR EXPOSED TO AMBIENT TEMPERATURE SHALL BE HEAT TRACED. |
| CHILLED WATER | ABOVE GRADE | - | - | - | 2-1/2" | BLK STEEL | ASTM A53 SCH 40 | - | - | 2-1/2" | WELDED | YES | 2" | CELL-GLASS | ASJ | PRE-TENSION | GREEN | WHITE | INCLUDES SUPPLY AND RETURN PIPING. PIPING OUTDOORS AND/OR EXPOSED TO AMBIENT TEMPERATURE SHALL BE HEAT TRACED. |
| HEATING WATER | ABOVE GRADE | 2-1/2" | COPPER | TYPE L ASTM B88 | - | - | - | 2-1/2" | SOLDERED | - | - | YES | 1-1/2" | FIBER-GLASS | ASJ | PRE-TENSION | YELLOW | BLACK | INCLUDES SUPPLY AND RETURN PIPING. PIPING OUTDOORS AND/OR EXPOSED TO AMBIENT TEMPERATURE SHALL BE HEAT TRACED. |
| HEATING WATER | ABOVE GRADE | - | - | - | 2-1/2" | BLK STEEL | ASTM A53 SCH 40 | - | - | 2-1/2" | WELDED | YES | 2-1/2" | FIBER-GLASS | ASJ | PRE-TENSION | YELLOW | BLACK | INCLUDES SUPPLY AND RETURN PIPING. PIPING OUTDOORS AND/OR EXPOSED TO AMBIENT TEMPERATURE SHALL BE HEAT TRACED. |
| REFRIGERANT - SUCTION | ABOVE GRADE | ALL | COPPER | TYPE ACR ASTM B280 | ALL | COPPER | TYPE ACR ASTM B280 | ALL | BRAZED | ALL | BRAZED | - | 3/4" | ELASTO-MERIC | - | PRE-TENSION | ORANGE | BLACK | PAINT ELASTOMERIC INSULATION EXPOSED (OUTDOORS) WITH UV RESISTANT LATEX PAINT. |
| REFRIGERANT - HOT GAS | ABOVE GRADE | ALL | COPPER | TYPE ACR ASTM B280 | ALL | COPPER | TYPE ACR ASTM B280 | ALL | BRAZED | ALL | BRAZED | - | 3/4" | ELASTO-MERIC | - | PRE-TENSION | ORANGE | BLACK | PAINT ELASTOMERIC INSULATION EXPOSED (OUTDOORS) WITH UV RESISTANT LATEX PAINT. |
| SANITARY WASTE & VENT | BELOW GRADE | ALL | PVC | SOLID WALL/ SCH 40 ASTM D 2665 | ALL | PVC | SOLID WALL/ SCH 40 ASTM D 2665 | ALL | SOLVENT CEMENTED | ALL | SOLVENT CEMENTED | - | - | - | - | - | - | - | DWV FITTINGS, ADHESIVE PRIMER (ASTM F 656), SOLVENT CEMENT (ASTM D 2564). |
| SANITARY WASTE & VENT | ABOVE GRADE | ALL | PVC | SOLID WALL/ SCH 40 ASTM D 2665 | ALL | PVC | SOLID WALL/ SCH 40 ASTM D 2665 | ALL | SOLVENT CEMENTED | ALL | SOLVENT CEMENTED | - | - | - | - | PRE-TENSION | GREEN | WHITE | PVC SHALL NOT BE USED IN RETURN AIR PLENUMS (CAST IRON PIPING AND FITTINGS SHALL BE USED, SEE BELOW). DWV FITTINGS, ADHESIVE PRIMER (ASTM F 656), SOLVENT CEMENT (ASTM D 2564). |
| SANITARY WASTE & VENT | ABOVE GRADE | ALL | CAST IRON | HUBLESS/ ASTM A 888 | ALL | CAST IRON | HUBLESS/ ASTM A 888 | ALL | NO HUB | ALL | NO HUB | - | - | - | - | PRE-TENSION | GREEN | WHITE | USE WHERE INSTALLED IN RETURN AIR PLENUMS. PROVIDE HEAVY-DUTY TYPE NO HUB COUPLINGS. |
| CONDENSATE DRAINS | ABOVE GRADE | ALL | COPPER | TYPE L OR M ASTM B88 | ALL | COPPER | TYPE L OR M ASTM B88 | ALL | SOLDERED | ALL | SOLDERED | - | 1/2" | ELASTO-MERIC | - | PRE-TENSION | GREEN | WHITE | DWV FITTINGS. |

PLUMBING FIXTURE SCHEDULE

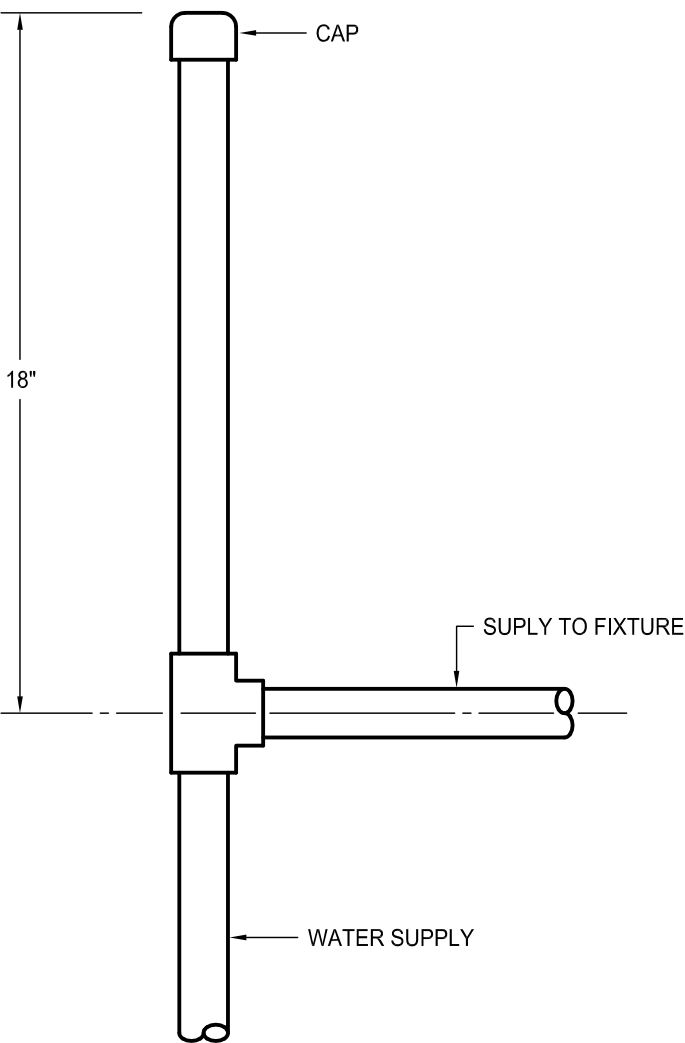
| MARK | DESCRIPTION | MAKE | MODEL | SUPPLY FITTING | SUPPLY PIPE(S) | DRAIN | TRAP | ROUGH-IN SIZES | | | | REMARKS |
|-------|---|-------------------|-----------------|-----------------|-----------------------|---------------|----------------|----------------|------|--------------|--------------|---|
| | | | | | | | | C.W. | H.W. | WASTE | VENT | |
| WC-1 | WATER CLOSET, WALL HUNG, F.V. | AMERICAN STANDARD | 3351.101 | ZURN Z-6200-HET | --- | --- | --- | 1" | -- | 4" | 4" | W/ OPEN FRONT WHITE SEAT EQUAL TO BEMIS, WITH S/S BOLT, NUTS, WASHERS, & HINGES. |
| WC-2 | WATER CLOSET, WALL HUNG, F.V., A.D.A. | AMERICAN STANDARD | 3351.101 | ZURN Z-6200-HET | --- | --- | --- | 1" | -- | 4" | 4" | W/ OPEN FRONT WHITE SEAT EQUAL TO BEMIS, WITH S/S BOLT, NUTS, WASHERS, & HINGES. |
| U-1 | URINAL, WALL HUNG F.V. | AMERICAN STANDARD | 6601.012 | ZURN Z-6203 | --- | --- | --- | 3/4" | -- | 2" | 2" | |
| U-2 | URINAL, WALL HUNG F.V., A.D.A | AMERICAN STANDARD | 6601.012 | ZURN Z-6203 | --- | --- | --- | 3/4" | -- | 2" | 2" | MOUNT AT A.D.A. HEIGHT |
| L-1 | LAVATORY, OVAL DROP-IN (ALTERNATE 4) | AMERICAN STANDARD | 0475.047 | ZURN Z86100-XL | ZURN Z8904-XL LRCE-PC | ZURN Z8743-PC | ZURN Z8700B-PC | 1/2" | 1/2" | 2" | 2" | LESS POP UP DRAIN. |
| L-2 | LAVATORY, WALL HUNG, A.D.A. | AMERICAN STANDARD | 0356.421 | ZURN Z86100-XL | ZURN Z8804-XL LRCE-PC | ZURN Z8743-PC | ZURN Z8700B-PC | 1/2" | 1/2" | 2" | 2" | COORDINATE ROUGH-IN WITH DRAIN ASSEMBLY. INSULATE P-TRAP AND SUPPLY PIPES W/ TRUEBRO 102G/105. LESS POP UP DRAIN. |
| FD-1 | FLOOR DRAIN - POLISHED BRONZE WITH TRAP PRIMER CONNECTION | ZURN | ZB-415-B-P | --- | --- | --- | --- | -- | -- | MATCH EXIST. | MATCH EXIST. | WITH SURE SEAL |
| FD-2 | SCUPPER FLOOR DRAIN | ZURN | Z189 | --- | --- | --- | --- | -- | -- | MATCH EXIST. | MATCH EXIST. | WITH SURE SEAL |
| EDF-1 | BILEVEL ELECTRIC DRINKING FOUNTAIN | MURDOCK | A172408S-UBL-VR | --- | ZURN Z8800LR | --- | ZURN 8700B | 1/2" | -- | 2" | 2" | |
| EDF-2 | SINGLE ELECTRIC DRINKING FOUNTAIN | MURDOCK | A171408S-VR | --- | ZURN Z8800LR | --- | ZURN 8700B | 1/2" | -- | 2" | 2" | |

MISCELLANEOUS PLUMBING POWER, CONTROL AND INTERLOCK WIRING CONNECTIONS

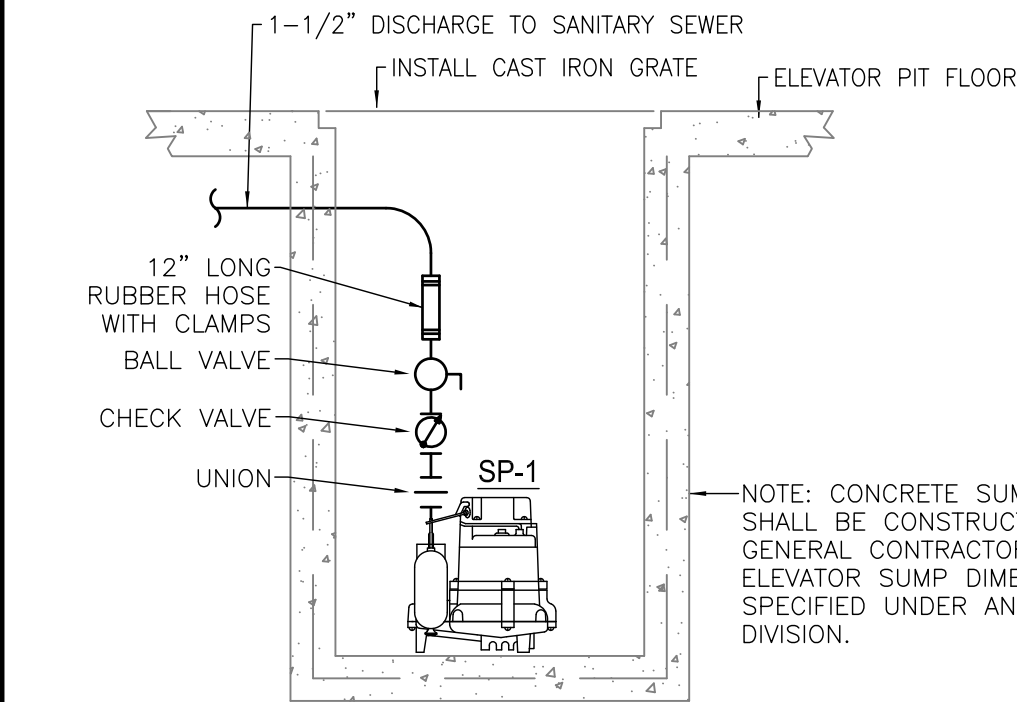
| TAG | DESCRIPTION | POWER WIRING | CONTROL & INTERLOCK WIRING | ELECTRICAL V/Ø | REMARKS |
|-----|----------------------------|-------------------|----------------------------|----------------|---------|
| EDF | ELECTRIC DRINKING FOUNTAIN | DIV 26 ELECTRICAL | - | 120/1 | |

PUMPS

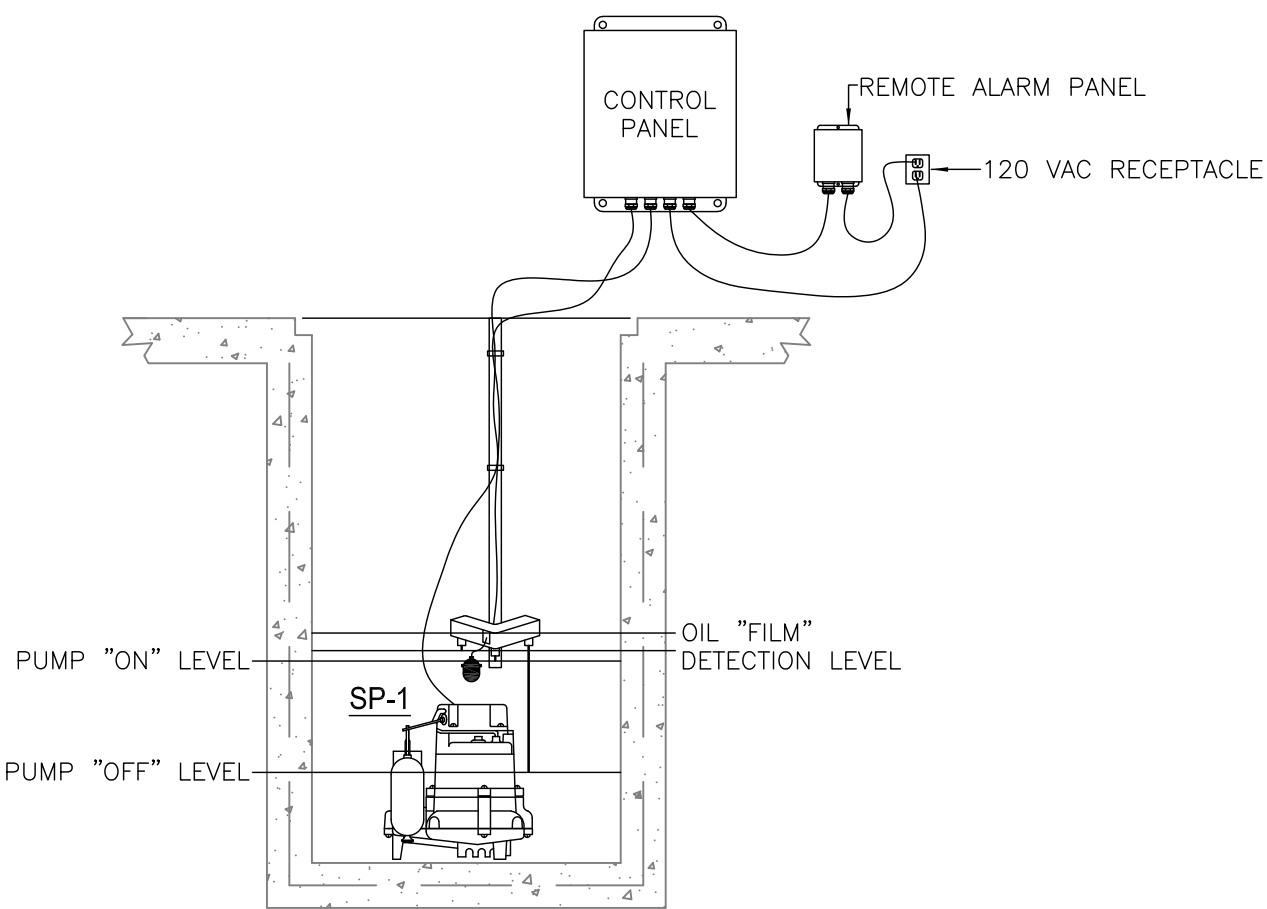
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|------|-------------------|-------------------|-----------|--------------|------|------|----------------|----------|------|-----------------|--------------------|
| SP-1 | HYDROMATIC SHEF40 | SUMP PIT DRAINAGE | SUMP PUMP | ELEVATOR PIT | 50.0 | 12.0 | 115/1Ø | 4/10 | 1550 | NO | SEE SPECIFICATIONS |



1 TYPICAL WATER SUPPLY AIR CHAMBER AT PLUMBING FIXTURE CONNECTION DETAIL



2 ELEVATOR SUMP PUMP WITH OIL DETECTION CONTROL SYSTEM DETAIL



NO SCALE

19.089.02
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Professional Engineer
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No. 427027198
2012

Project
2018 BOND PROJECT
JIM HILL HIGH SCHOOL IMPROVEMENTS
JACKSON PUBLIC SCHOOLS
JACKSON, MS 39202

Project Number: 19.002
Date: 12.02.2019
Drawn by: CMM
Checked by: CEM
Revisions
1 01.15.2020
2
3

Sheet Title









PLUMBING
FIXTURE AND
DETAILS FOR
TOILET
RENOVATIONS

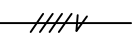












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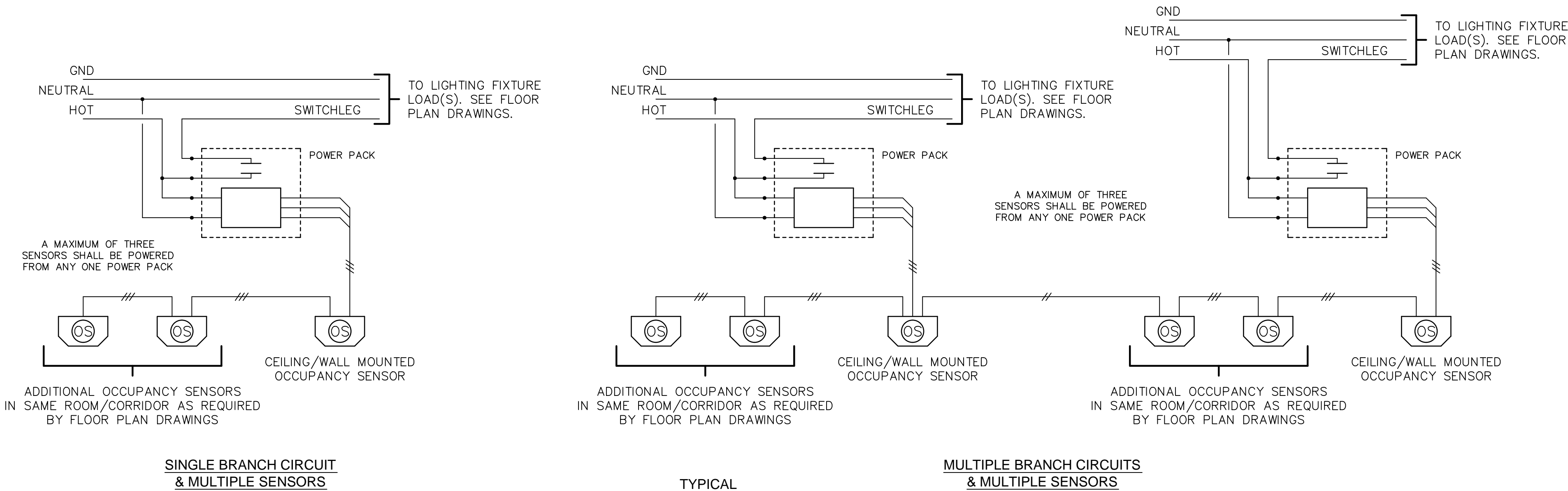
P104R

| LIGHTING FIXTURE SCHEDULE | | | | | | |
|---------------------------|--------|-------|---|--------------|---|-----------------------|
| VOLTS | SYMBOL | WATTS | DESCRIPTION | MANUFACTURER | CAT. NO. | MOUNTING |
| 120 | A | LED | LED SURFACE MOUNT, 1'x4', 5000 DELIVER LUMENS, 3500°K, 45W | KENALL LTG. | MLHA12-48-R-MW -CP-45L35K-DCC-1 120 | SURFACE AT CEILING |
| 120 | AE | LED | LED SURFACE MOUNT, 1'x4', 5000 DELIVER LUMENS, 3500°K, 45W, WITH EMERGENCY BATTERY PACK | KENALL LTG. | MLHA12-48-R-MW -CP-45L35K-DCC-1 120-PEL | SURFACE AT CEILING |
| 120 | B | LED | LED CEILING MOUNT, 15" DIA., 3000 DELIVER LUMENS, 3500°K, 29W. | KENALL LTG. | RHR15-W-PP- 25L35K-DV | CEILING |

NOTE: PROVIDE UNISTRUT CHANNEL AS REQUIRED FOR AREAS WITH CEILING PANELS TO MOUNT TO STRUCTURE ABOVE.

| ELECTRICAL SYMBOLS LEGEND | |
|--|---|
|     | ELECTRICAL SERVICE & DISTRIBUTION SWITCH, UNFUSED SAFETY DISCONNECT, AMPERE RATING, NUMBER OF POLES, PROPER VOLTAGE RATING FOR BRANCH CIRCUIT, SURFACE MOUNT C.L. UP 54" A.F.F. UNLESS INDICATED OTHERWISE. SWITCH, UNFUSED SAFETY DISCONNECT, NEMA 3R RATED, AMPERE RATING, NUMBER OF POLES, PROPER VOLTAGE RATING FOR BRANCH CIRCUIT, MOUNT C.L. UP 54" A.F.F. UNLESS INDICATED OTHERWISE. SWITCH, FUSED SAFETY DISCONNECT, AMPERE RATING, NUMBER OF POLES, PROPER VOLTAGE RATING FOR BRANCH CIRCUIT, SURFACE MOUNT C.L. UP 54" A.F.F. UNLESS INDICATED OTHERWISE. SWITCH, FUSED SAFETY DISCONNECT, NEMA 3R RATED, AMPERE RATING, NUMBER OF POLES, PROPER VOLTAGE RATING FOR BRANCH CIRCUIT, MOUNT C.L. UP 54" A.F.F. UNLESS INDICATED OTHERWISE. |
| A.A.C. A.F.F. B.F.G. EDF TV PROJ EX | ABBREVIATIONS ADJACENT TO ANY SYMBOL DENOTES DEVICE/OUTLET INSTALLED ABOVE ACCESSIBLE CEILING. DENOTES "ABOVE THE FINISHED FLOOR". DENOTES "BELOW THE FINISHED GRADE". ADJACENT TO ANY OUTLET SYMBOL DENOTES DEVICE/OUTLET IS FOR ELECTRIC DRINKING FOUNTAIN, VERIFY MOUNTING HEIGHT & LOCATION FOR CONCEALMENT BEHIND EQUIPMENT. ADJACENT TO ANY OUTLET SYMBOL DENOTES DEVICE/OUTLET IS FOR WALL MOUNTED TELEVISION, VERIFY MOUNTING HEIGHT & LOCATION FOR CONCEALMENT BEHIND EQUIPMENT. ADJACENT TO ANY OUTLET SYMBOL DENOTES DEVICE/OUTLET IS FOR PROJECTOR, MOUNT OUTLET ADJACENT TO EQUIPMENT AT CEILING/STRUCTURE, VERIFY MOUNTING LOCATION PRIOR TO ROUGH-IN. ADJACENT TO ANY SYMBOL DENOTES DEVICE/OUTLET IS EXISTING. |
|   (1)-FA-3/4  | FIRE DETECTION & ALARM SYS. FIRE ALARM SYSTEM VISUAL ALARM DEVICE, MOUNT C.L. UP 80" A.F.F. OR 6" BELOW THE FINISHED CEILING WHICHEVER IS LOWER, STROBE CANDELA RATING - MINIMUM 15/75 WHERE NOT LISTED. FIRE ALARM SYSTEM AUDIBLE & VISUAL ALARM DEVICE, MOUNT C.L. UP 80" A.F.F. OR 6" BELOW THE FINISHED CEILING WHICHEVER IS LOWER, STROBE CANDELA RATING - MINIMUM 15/75 WHERE NOT LISTED. FIRE ALARM SYSTEM RACEWAY SYSTEM CONDUIT & CABLING, ROUTE CONCEALED ABOVE CEILING OR IN WALL, NUMBER OF CONDUITS, SIZE OF CONDUIT(S) AS INDICATED OR AS REQUIRED FOR SUPPLIED CABLING, NUMBER & TYPE OF WIRING AS REQUIRED FOR SYSTEM & INSTALLED ENVIRONMENT. FIRE ALARM SYSTEM HOMERUN RACEWAY SYSTEM CONDUIT & CABLING, ROUTE CONCEALED ABOVE CEILING OR IN WALL, NUMBER OF CONDUITS, SIZE OF CONDUIT(S) AS INDICATED OR AS REQUIRED FOR SUPPLIED CABLING, NUMBER & TYPE OF WIRING AS REQUIRED FOR SYSTEM & INSTALLED ENVIRONMENT. ROUTE TO FIRE ALARM SYSTEM CONTROL PANEL UNLESS OTHERWISE INDICATED. |
|  | ELECTRICAL GEAR LIGHTING AND SMALL POWER PANEL, SURFACE MOUNTING, 250 VOLT SYSTEM. |

| ELECTRICAL SYMBOLS LEGEND | |
|--|---|
|     | RACEWAYS & BOXES BRANCH CIRCUIT (CONDUIT AND WIRING) CONCEALED ABOVE CEILING OR IN WALL, NUMBER OF CONDUCTORS. (---) INDICATES GREEN GROUNDING CONDUCTOR SIZED PER BRANCH CIRCUIT UNLESS OTHERWISE NOTED. BRANCH CIRCUIT (CONDUIT AND WIRING) EXPOSED IN FLEXIBLE METALLIC CONDUIT, NUMBER CONDUCTORS. BRANCH CIRCUIT (CONDUIT AND WIRING) EXPOSED IN LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT WITH PROPER LIQUID-TIGHT FITTINGS, NUMBER OF CONDUCTORS. BRANCH CIRCUIT(S) HOMERUN, PANEL & CIRCUIT DESIGNATIONS, ROUTE CONCEALED, NUMBER OF CONDUCTORS, MINIMUM 3/4" CONDUIT UNLESS NOTED OTHERWISE, ALL HOMERUNS GREATER THAN 50 FEET IN LENGTH SHALL USE #10 AWG CONDUCTORS MINIMUM. |
|     | LUMINAIRES LIGHTING LUMINAIRE OUTLET WITH LUMINAIRE PER LIGHTING LUMINAIRE SCHEDULE, LUMINAIRE SYMBOL (#), BRANCH CIRCUIT DESIGNATION(S) (*), MOUNTING PER THE LUMINAIRE SCHEDULE. SURFACE LUMINAIRE OUTLET WITH LUMINAIRE PER LIGHTING LUMINAIRE SCHEDULE, LUMINAIRE SYMBOL (#), BRANCH CIRCUIT DESIGNATION(S) (*), SURFACE MOUNT PER THE LUMINAIRE SCHEDULE. RECESSED TROFFER LUMINAIRE WITH LUMINAIRE PER LIGHTING LUMINAIRE SCHEDULE, LUMINAIRE SYMBOL (#), BRANCH CIRCUIT DESIGNATION(S) (*), RECESS MOUNT PER THE LUMINAIRE SCHEDULE. HATCH LINES THRU ANY LIGHTING LUMINAIRE SYMBOL DENOTES LIGHTING LUMINAIRE IS EQUIPPED WITH A EMERGENCY BATTERY PACK. |
| S S _T S _{OS}  | SWITCHES & LIGHTING CONTROL DEVICES TOGGLE SWITCH WITH BOX & PLATE, 20A1P, 120/277V, FLUSH MOUNT C.L. UP 48" A.F.F. UNLESS NOTED OTHERWISE. MANUAL MOTOR SWITCH WITH BOX AND PLATE, 20A1P, 120/277V, FLUSH MOUNT C.L. UP 48" A.F.F. UNLESS NOTED OTHERWISE. SWITCH WITH BOX & PLATE, OCCUPANCY SENSOR TYPE, PASSIVE INFRARED, MOUNT C.L. UP 48" A.F.F. UNLESS NOTED OTHERWISE. OCCUPANCY SENSOR. SEE DETAIL THIS SHEET. MT DENOTES MULTI-TECHNOLOGY TYPE. |
|     | RECEPTACLES & POWER OUTLETS DUPLEX GROUNDING RECEPTACLE WITH BOX, PLATE & BRANCH CIRCUIT, 120 VOLTS, NEMA 5-20R, MOUNT C.L. UP 18" A.F.F. UNLESS OTHERWISE INDICATED, CIRCUIT DESIGNATION. DUPLEX GROUNDING RECEPTACLE WITH BOX, PLATE & BRANCH CIRCUIT, 120 VOLTS, NEMA 5-20R, MOUNT C.L. UP 4" ABOVE COUNTER/BACKSPLASH UNLESS OTHERWISE INDICATED, CIRCUIT DESIGNATIONS. DUPLEX GROUNDING RECEPTACLE WITH BOX, PLATE & BRANCH CIRCUIT, G.F.I. TYPE, 120 VOLTS, NEMA 5-20R, MOUNT C.L. UP 18" A.F.F. UNLESS OTHERWISE INDICATED, CIRCUIT DESIGNATION. DUPLEX GROUNDING RECEPTACLE WITH BOX, PLATE & BRANCH CIRCUIT, G.F.I. TYPE, 120 VOLTS, NEMA 5-20R, MOUNT C.L. UP 4" ABOVE COUNTER/BACKSPLASH WHERE PRESENT OR C.L. UP 48" A.F.F. UNLESS OTHERWISE INDICATED, CIRCUIT DESIGNATION. |



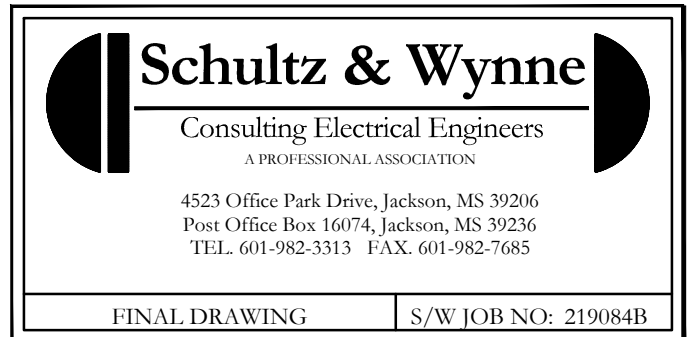
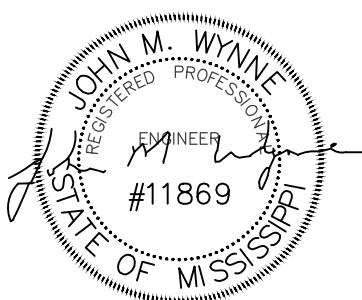
ROOM OCCUPANCY SENSOR(S) SCHEMATIC WIRING DIAGRAMS

TYPICAL

NO SCALE

GENERAL BRANCH CIRCUIT NOTES: (APPLICABLE TO ALL SHEETS.)

- LIGHTING & POWER BRANCH CIRCUITS (CONDUITS & CONDUCTORS) ALTHOUGH NOT SHOWN ON THE DRAWINGS SHALL BE PROVIDED & CONNECTED AS REQUIRED FOR PROPER OPERATION OF THE INDICATED LIGHTING LUMINAIRE, LIGHTING CONTROL SYSTEM, DEVICES, ETC..
- ALL BRANCH CIRCUITS SHALL BE ROUTED IN CONDUIT PER THE SPECIFICATIONS. ALL BRANCH CIRCUITS SHALL HAVE DEDICATED NEUTRAL CONDUCTOR. ALL BRANCH CIRCUITS SHALL HAVE A PROPERLY SIZED EQUIPMENT GROUNDING CONDUCTOR.
- ALL 120V BRANCH CIRCUITS IN EXCESS OF 50 FEET IN LENGTH SHALL UTILIZE #10 CONDUCTORS FOR PHASE, NEUTRAL & GROUND CONDUCTORS. ALL 277V BRANCH CIRCUITS IN EXCESS OF 100 FEET IN LENGTH SHALL UTILIZE #10 CONDUCTORS FOR PHASE, NEUTRAL & GROUND CONDUCTORS.
- WALL SWITCH(ES) AND/OR OCCUPANCY SENSOR(S) WHERE INDICATED IN A ROOM/SPACE SHALL BE PROVIDED & CONNECTED TO CONTROL ALL LUMINAIRE IN THAT ROOM/SPACE UNLESS INDICATED OTHERWISE. 3-WAY & 4-WAY SWITCHES SHALL BE PROVIDED & CONNECTED FOR PROPER OPERATION & SHALL CONTROL ALL LUMINAIRE IN THE ASSOCIATED ROOM/SPACE UNLESS OTHERWISE INDICATED.
- WHERE WALL SWITCHES ARE INDICATED IN THE SAME ROOM/SPACE WITH OCCUPANCY SENSORS, THE WALL SWITCHES SHALL BE CONNECTED BETWEEN THE OCCUPANCY SENSOR & THE LIGHTING LUMINAIRE. SEE APPROPRIATE DETAILS.
- WHERE EMERGENCY BATTERY PACKS ARE INDICATED OR SPECIFIED THEY SHALL BE PROPERLY CONNECTED PER THE MANUFACTURER'S RECOMMENDATIONS TO A NON-SWITCHED LEG OF THE BRANCH CIRCUIT INDICATED FOR THE ASSOCIATED LIGHTING LUMINAIRE.
- BRANCH CIRCUIT HOMERUNS & JUNCTION BOXES SHOWN ON THE FLOOR PLAN DRAWINGS ARE FOR INDICATING BRANCH CIRCUITS SHARING A COMMON HOMERUN RACEWAY & FOR GENERAL LOCATION OF THE HOMERUN. THE ACTUAL JUNCTION BOX & HOMERUN ORIGINATION LOCATION SHALL BE FIELD DETERMINED BASED ON THE FINISHES OF THE AREA IN WHICH LOCATED TO INSURE INSTALLATION COMPLIES WITH THE ACCESSIBILITY REQUIREMENTS OF THE NEC.
- LIGHTING LUMINAIRE(S) INDICATED TO BE CONTROLLED BY 0-10V DIMMING SHALL HAVE PROPER PURPLE/GRAY CONTROL WIRES PROVIDED & ROUTED IN THE SAME CONDUIT AS THE POWER WIRING. CONTROL WIRING SHALL BE MINIMUM #14 AWG & RATED FOR 600V.



Original Plotted Sheet Size = 24"x36"

2018 BOND PROJECT
TOILET IMPROVEMENTS FOR JIM HILL HIGH SCHOOL
JACKSON PUBLIC SCHOOLS
JACKSON, MS 39202

Project Number: 19.002
Date: 12.02.2019
Drawn by: DWV.
Checked by: J.M.W.

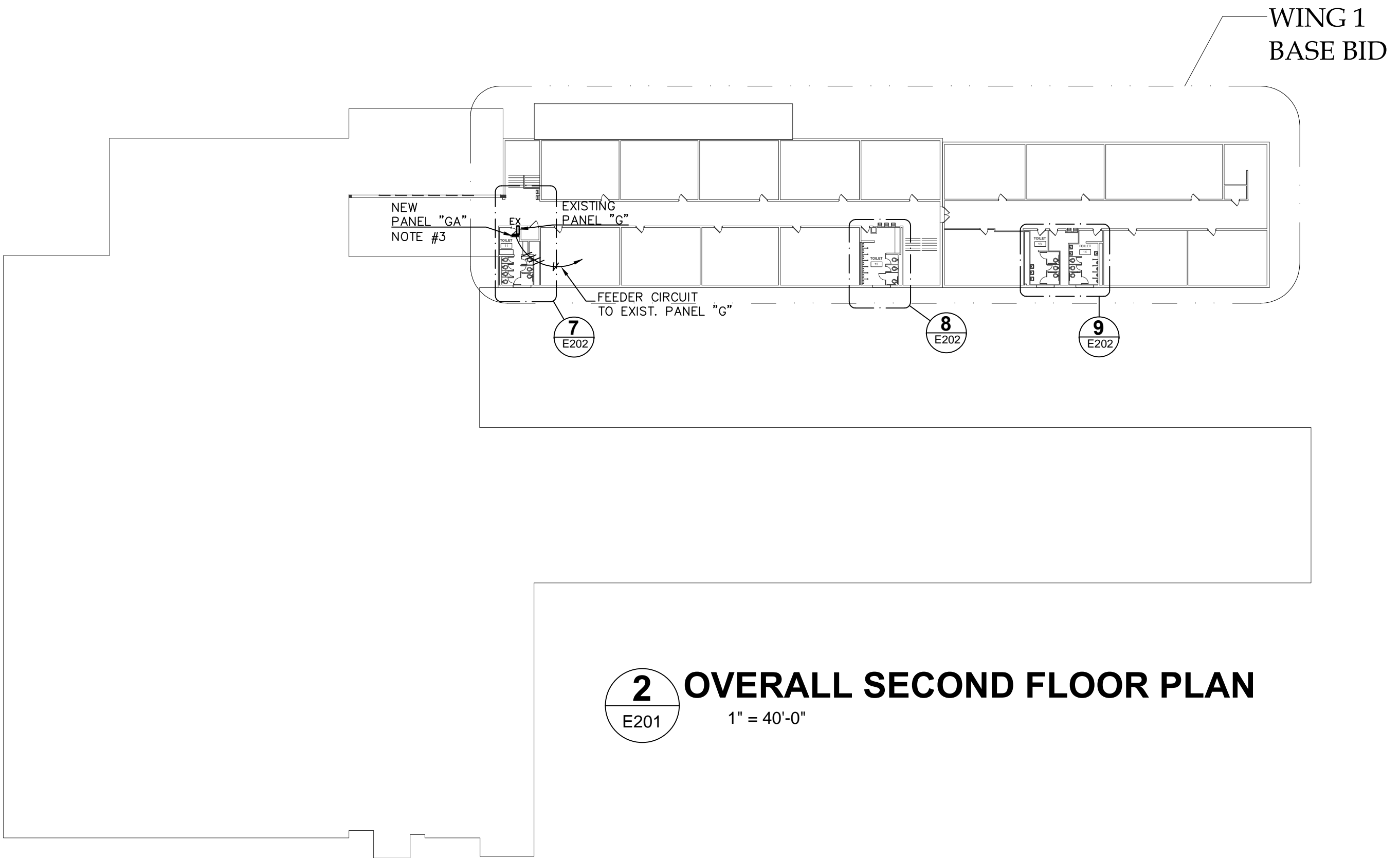
Revisions
1 1/15/2020
2
3

Sheet Title

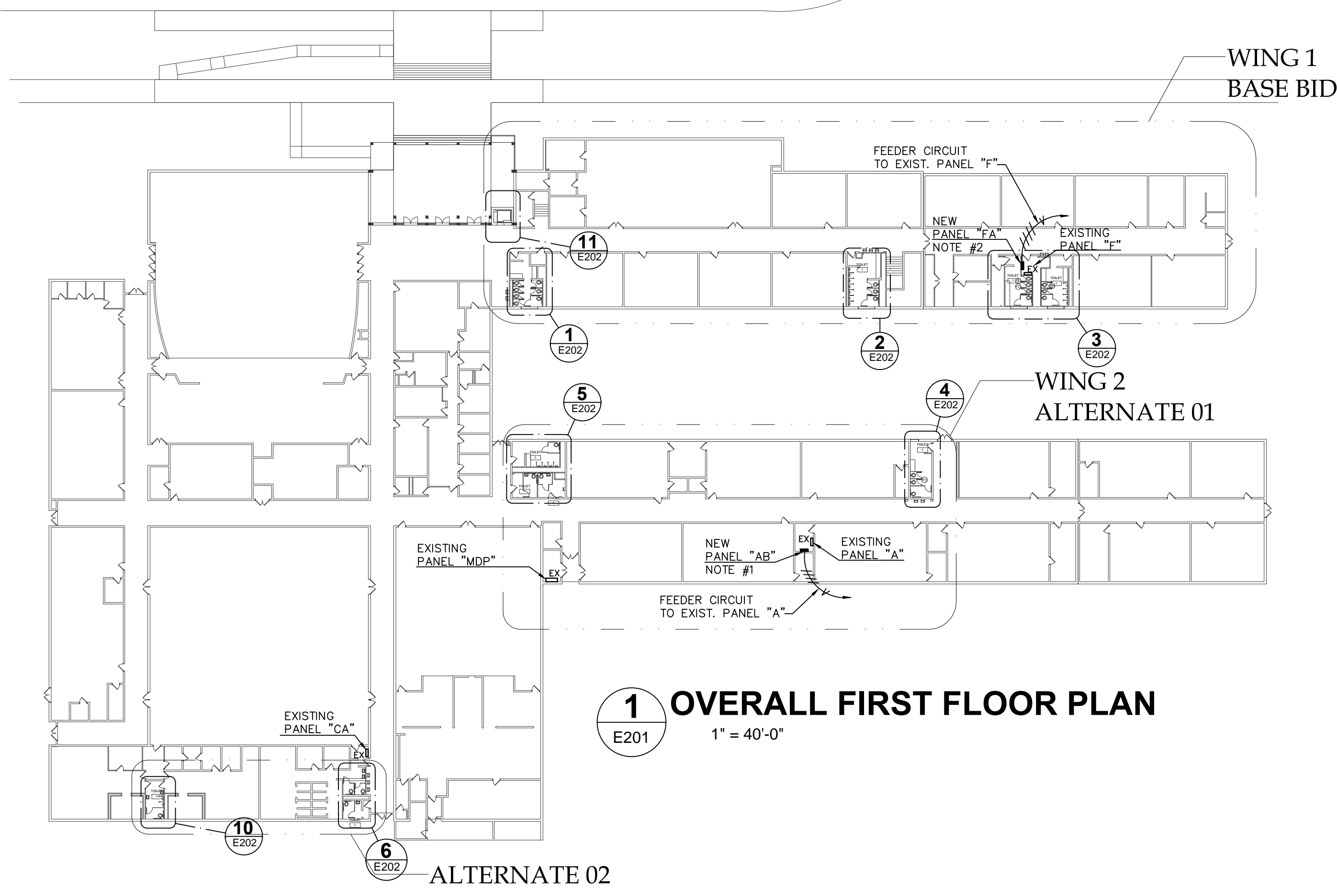
ELECTRICAL
SYMBOLS,
LIGHTING
SCHEDULE

Sheet Number of

E101R



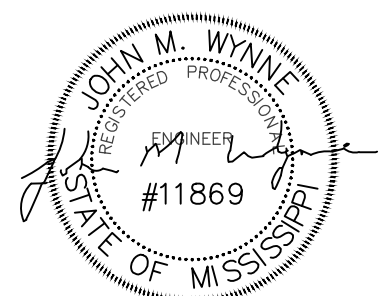
2 OVERALL SECOND FLOOR PLAN
E201 1" = 40'-0"



1 OVERALL FIRST FLOOR PLAN
E201 1" = 40'-0"

- FLOOR PLAN NOTES:**
- 1. PROVIDE A NEW 100A3P BREAKER AND INSTALL IN EXISTING PANEL "A" AS REQUIRED. MATCH EXISTING K.A.I.C. RATING AND LABEL. PANEL BREAKER SHALL SERVE NEW PANEL "AB". CONNECT WITH 4-#2, 1-#6(G), 1"C.
 - 2. PROVIDE A NEW 100A3P BREAKER AND INSTALL IN EXISTING PANEL "F" AS REQUIRED. MATCH EXISTING K.A.I.C. RATING AND LABEL. PANEL BREAKER SHALL SERVE NEW PANEL "FA". CONNECT WITH 4-#2, 1-#6(G), 1"C.
 - 3. PROVIDE A NEW 100A3P BREAKER AND INSTALL IN EXISTING PANEL "G" AS REQUIRED. MATCH EXISTING K.A.I.C. RATING AND LABEL. PANEL BREAKER SHALL SERVE NEW PANEL "GA". CONNECT WITH 4-#2, 1-#6(G), 1"C.

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FINAL DRAWING S/W JOB NO: 219084B



Project
**2018 BOND PROJECT
TOILET IMPROVEMENTS FOR JIM HILL HIGH SCHOOL
JACKSON PUBLIC SCHOOLS
JACKSON, MS 39202**

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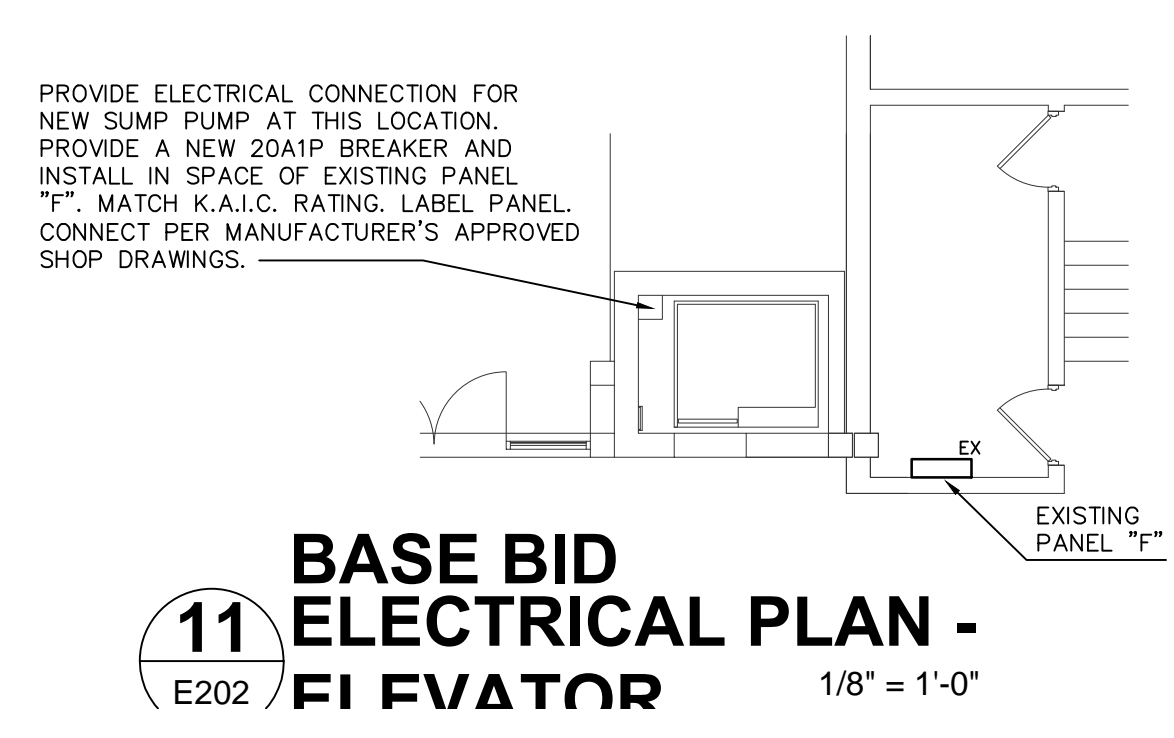
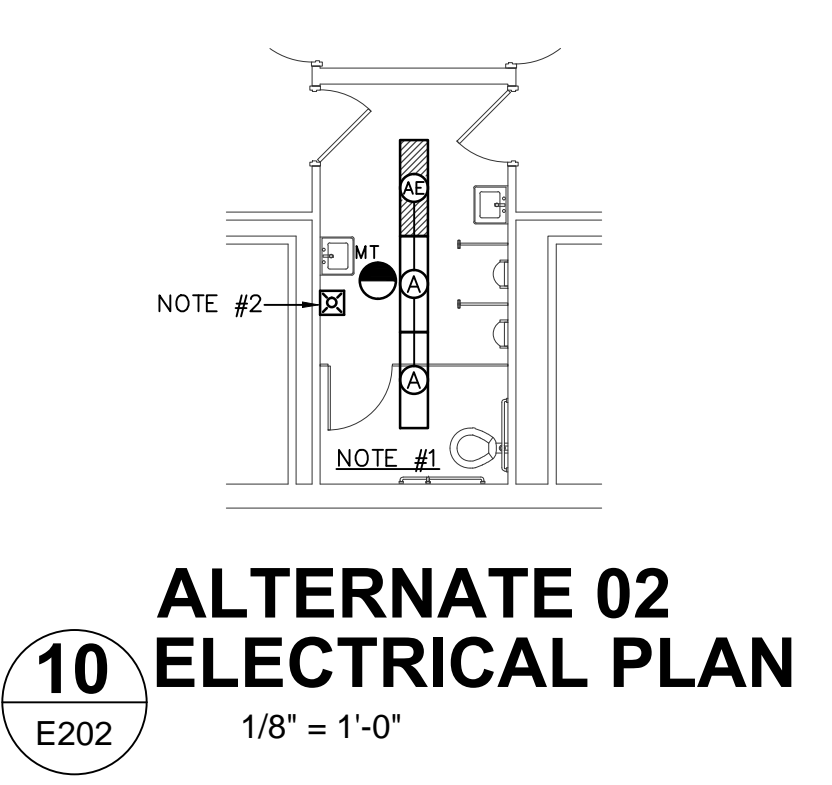
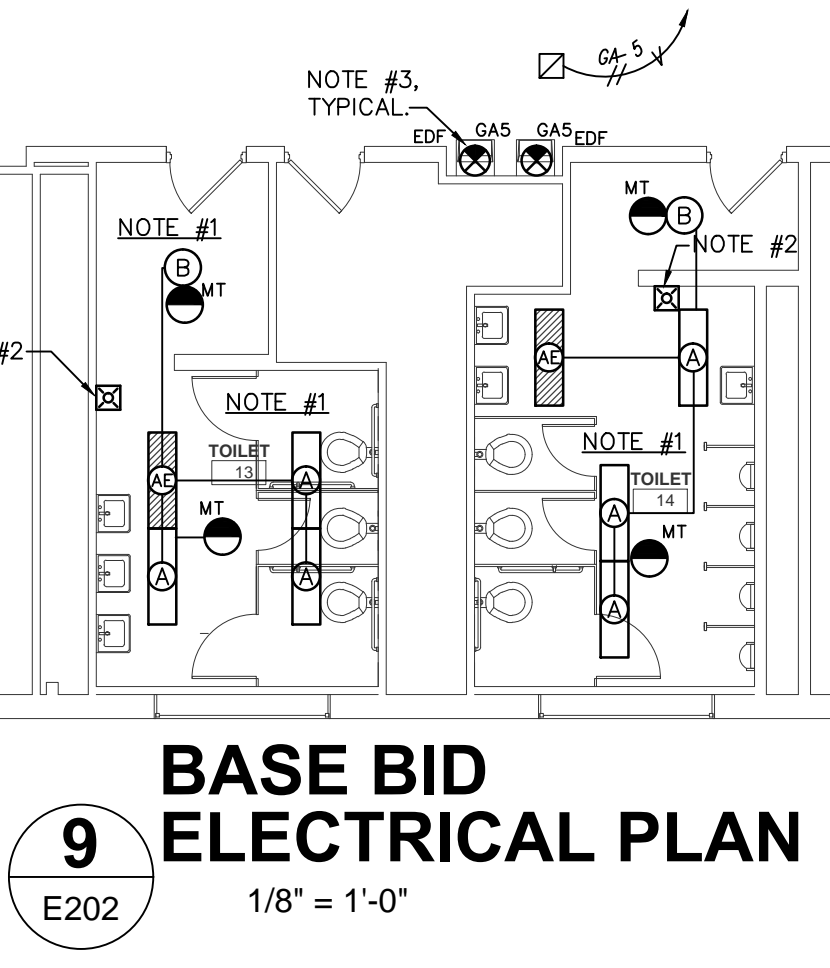
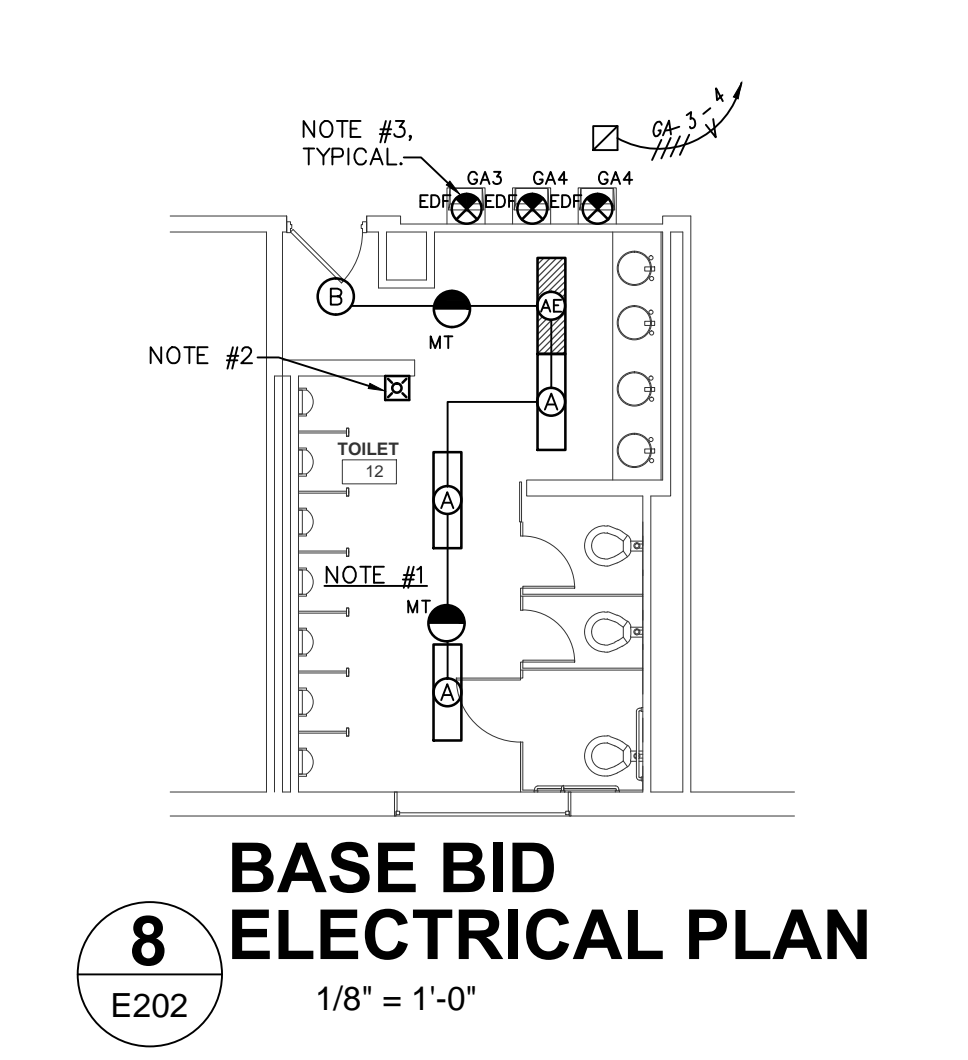
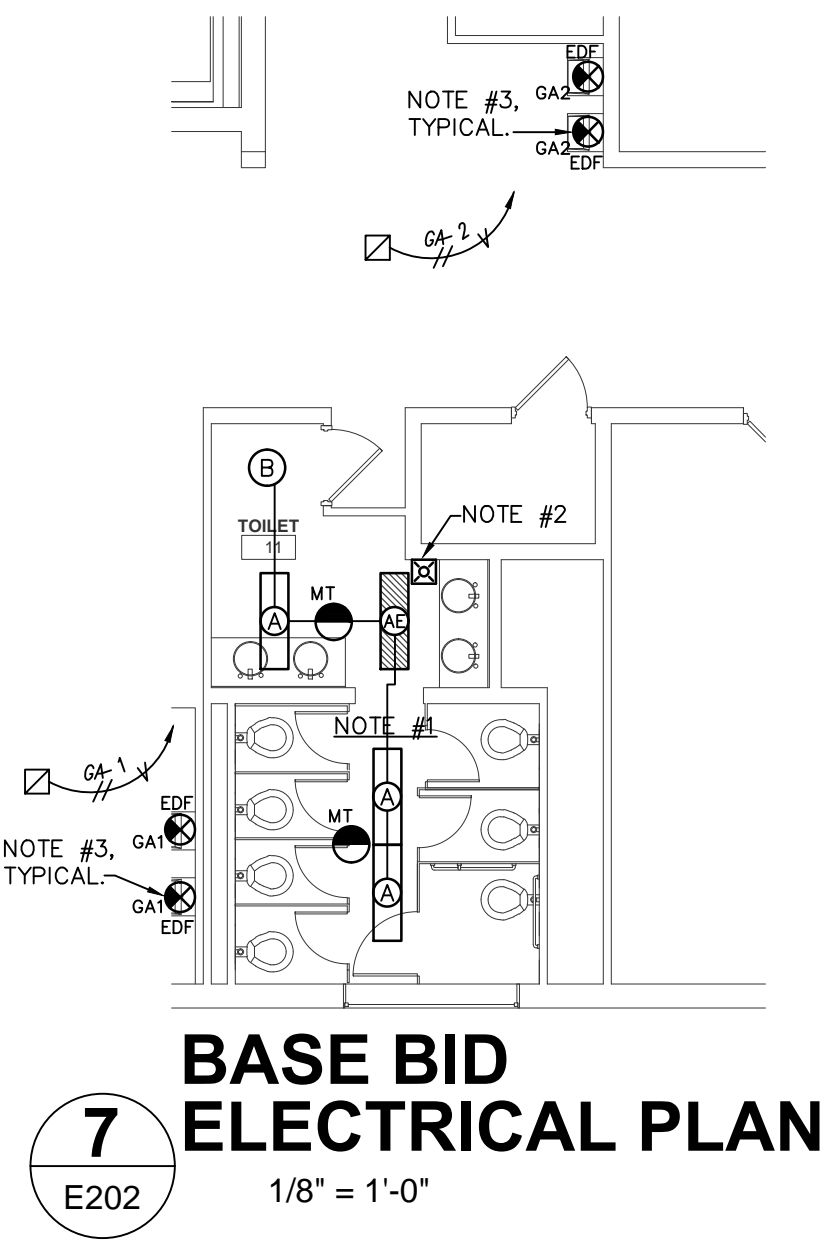
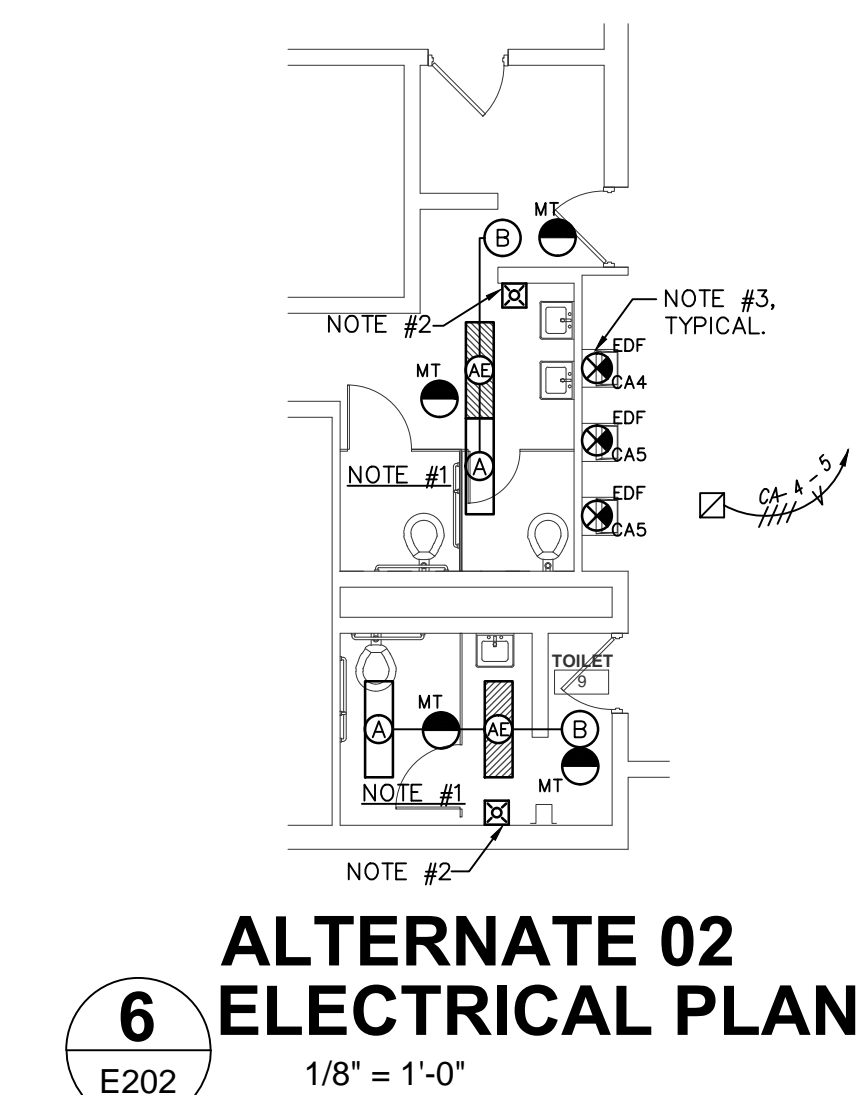
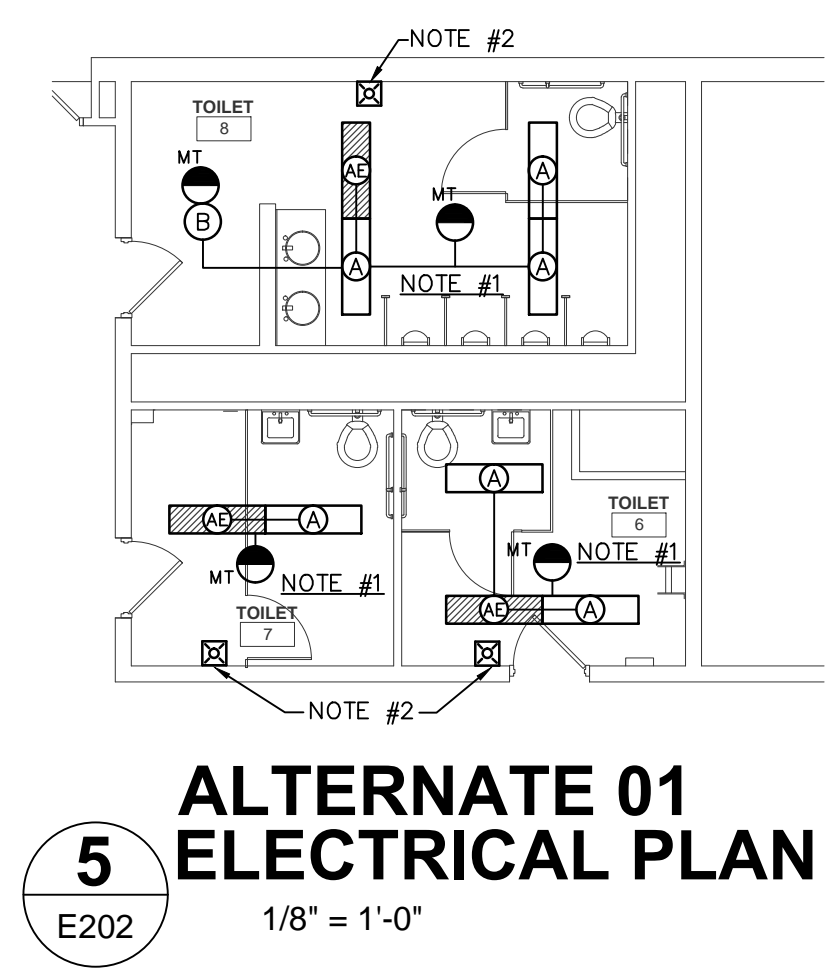
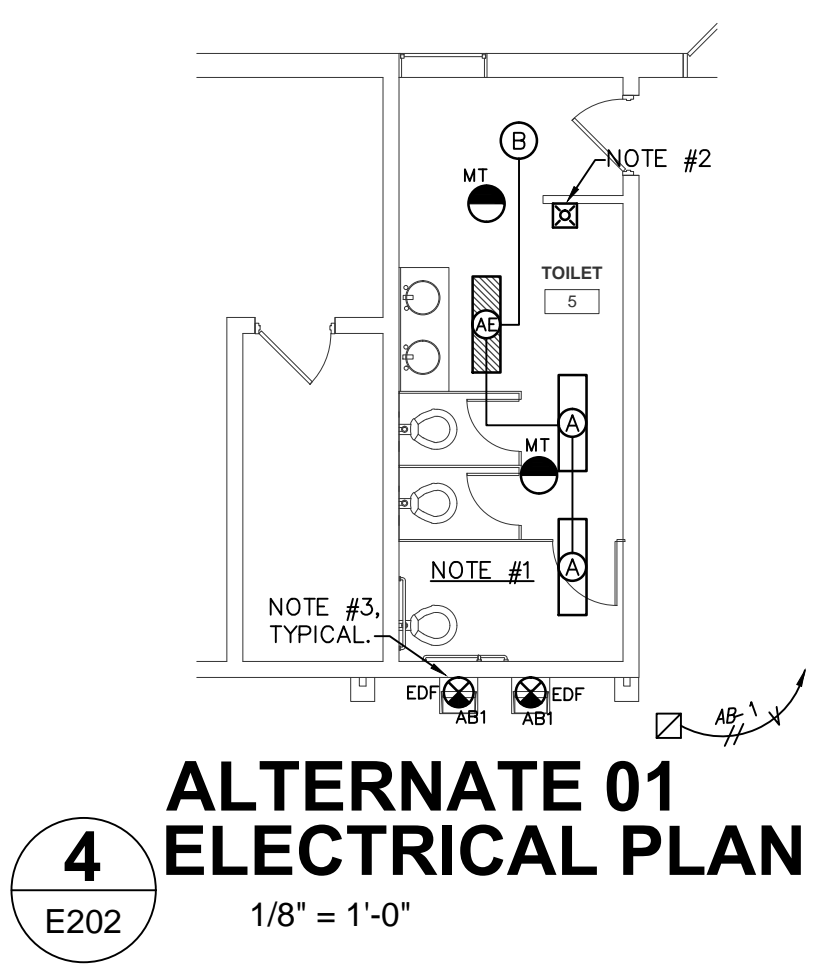
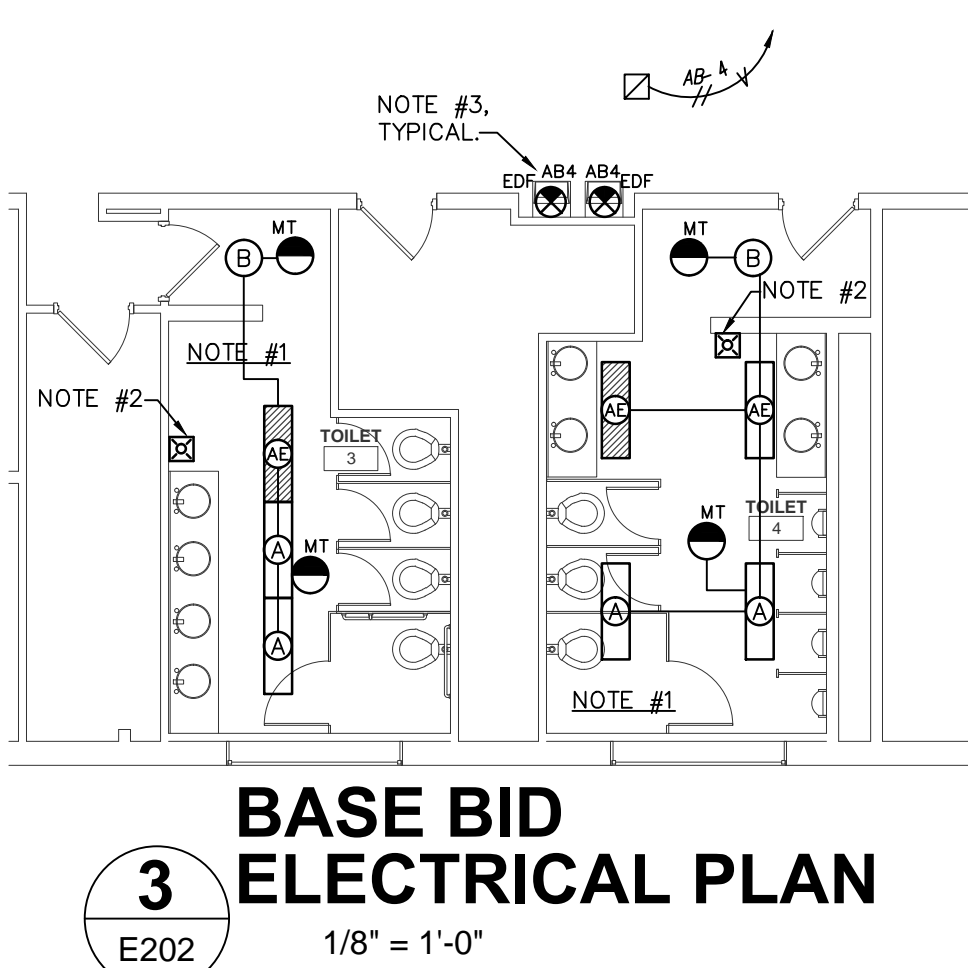
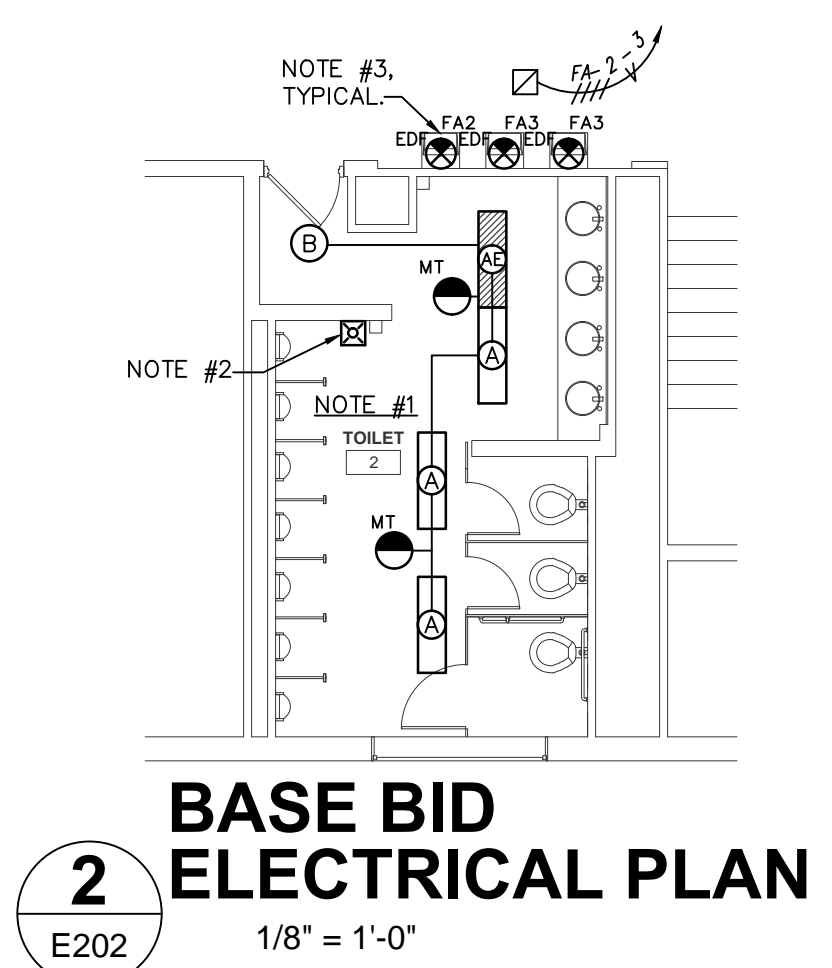
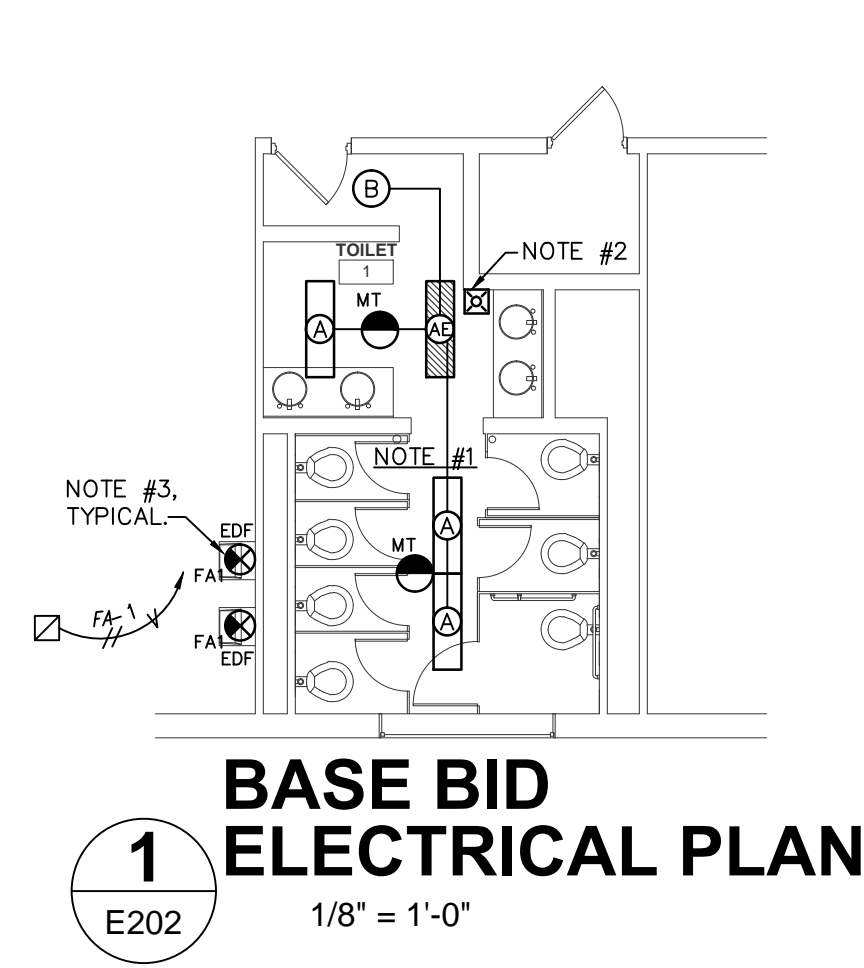
Sheet Title
**OVERALL FIRST
AND SECOND
FLOOR LOCATION
PLANS**

Sheet Number . . . of . . .

E201R

FLOOR PLAN NOTES:

1. ALL EXISTING LIGHTING FIXTURES SHALL BE DISCONNECTED, REMOVED AND RETURNED TO OWNER PER THE ARCHITECTS DEMOLITION DIRECTIVE. NEW LIGHTING FIXTURES SHALL BE INSTALLED AND CONNECTED TO EXISTING LIGHTING CIRCUIT SERVING THIS ROOM/AREA. REWORK EXISTING BRANCH CIRCUITRY AS REQUIRED FOR NEW OCCUPANCY SENSORS AND EMERGENCY BATTERY PACKS.
2. EXTEND NEW FIRE ALARM SYSTEM DEVICE TO THE EXISTING FIRE ALARM SYSTEM AS REQUIRED.
3. EXISTING ELECTRIC DRINKING FOUNTAINS ARE BEING REPLACED BY OTHERS. REMOVE EXISTING RECEPTACLES SERVING THE EXISTING FOUNTAINS. MAINTAIN ANY PASS-THRU CIRCUITRY AS REQUIRED. PROVIDE A NEW GFI TYPE RECEPTACLE AT EACH NEW FOUNTAIN LOCATION AND CONNECT TO NEW CIRCUIT AS INDICATED.

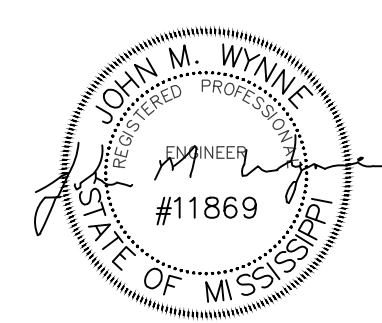


| CIRCUIT SCHEDULE | | | | |
|---------------------------|-------------|---------|---------|--|
| PANEL | CIRCUIT | POLES | AMPS | REMARKS |
| CA (EXISTING) | 1-2 | 3 | 20 | VOLTAGE: 208Y/120 W/GND: 3PH. 4W. M.L.O.: 225A. MOUNTING: SURFACE K.A.I.C.: 22 |
| | 3 4-5 | 1 1 | 20 | |
| SPARES SPACES TOTAL | (8) (25) | 1 42 | 20 - | CIRCUITS 1 THRU 3 ARE EXISTING. |

| CIRCUIT SCHEDULE | | | | |
|---------------------------|-------------|---------|---------|--|
| PANEL | CIRCUIT | POLES | AMPS | REMARKS |
| AB | 1 | 1 | 20 | VOLTAGE: 208Y/120 W/GND: 3PH. 4W. M.L.O.: 125A. MOUNTING: SURFACE K.A.I.C.: 22 |
| | | | | |
| SPARES SPACES TOTAL | (8) (21) | 1 30 | 20 - | |

| CIRCUIT SCHEDULE | | | | |
|---------------------------|-------------|---------|---------|--|
| PANEL | CIRCUIT | POLES | AMPS | REMARKS |
| FA | 1-4 | 1 | 20 | VOLTAGE: 208Y/120 W/GND: 3PH. 4W. M.L.O.: 125A. MOUNTING: SURFACE K.A.I.C.: 22 |
| | | | | |
| SPARES SPACES TOTAL | (8) (18) | 1 30 | 20 - | |

| CIRCUIT SCHEDULE | | | | |
|---------------------------|-------------|---------|---------|--|
| PANEL | CIRCUIT | POLES | AMPS | REMARKS |
| GA | 1-5 | 1 | 20 | VOLTAGE: 208Y/120 W/GND: 3PH. 4W. M.L.O.: 125A. MOUNTING: SURFACE K.A.I.C.: 22 |
| | | | | |
| SPARES SPACES TOTAL | (8) (17) | 1 30 | 20 - | |



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