

May 21, 2014

Garvin Design Group  
1209 Lincoln St.  
Columbia, SC 29201

**ADDENDUM NO. 1**

The following items shall take precedence over the drawings and specifications for the above named project and shall become a part of the contract documents. Where any item called for in the specifications, or indicated on the drawings, is not supplemented hereby, the original requirements shall remain in effect. Where any original item is amended, voided, or superseded hereby, the provisions of such item not specifically amended, voided or superseded shall remain in effect.

**Bidder shall acknowledge receipt of Addendum in the space provided on the Bid Form. Failure to do so may constitute an informality in the Bid.**

**General**

Item No.            Description:

1. General Information: A non-mandatory pre-bid conference was held at 2:00 p.m. on May 15, 2014 at 743 Greene Street, Columbia, SC in Conference Room 53 of the USC Facilities Management Center. A copy of the sign-in sheets is attached at the end of this addendum.  
**It is the intent of the Owner to issue a Notice to Proceed to the Bidder by June 09, 2014. The Bidder shall reach Substantial Completion within 46 calendar days from the Date of Commencement as established in the Notice to Proceed. Final Completion must be reached by July 31, 2014.**

**Specifications**

Item No.            Description

1. Revision: Reference Section 010000, Special Conditions and Requirements. At paragraph 1.3.A, delete "Final Completion must be reached with seven (7) calendar days from the Date of Substantial Completion." and insert "Final Completion must be reached by July 31, 2014."; At paragraph 1.5.A, delete "The information provided is for the Bidders use for coordination purposes and is entitled FM00-Hazmat Survey-, prepared by USC Hazmat Department and dated May , 2014." and insert "The information provided is for the Bidders use for coordination purposes and is entitled FM00451161-Hazmat Survey-Bldg. 039, prepared by USC Hazmat Department and dated May 12, 2014."; A copy of this Hazmat Survey is attached at the end of this addendum.
2. Revision: Reference Section 011000, Summary. At paragraph 1.5.A.1, revise "forty-three (43)" to read "forty-six (46)"; At paragraph 1.5.A.2, delete this paragraph in its entirety and add the following: "2. The Contractor shall reach the Final Completion of the Work by July 31, 2014."
3. Revision: Reference Section 024119, Selective Demolition. At paragraph 1.5.A, revise "Blatt P.E. Center Natatorium" to read "Capstone Residence Hall".

4. Revision: Reference Section 093000, Tiling. Delete this Section in its entirety and add revised “Section 093000, Tiling” attached to this addendum.
5. Revision: Reference Section 102113, Toilet Compartments. Delete this Section in its entirety and add revised “Section 102113, Toilet Compartments” attached to this addendum.
6. Revision: Reference Section 102800, Toilet and Bath Accessories. At paragraph 2.2 Toilet and Bath Accessories, delete paragraph “E. Sanitary Napkin Disposal Unit” and add the following:  

“E. Sanitary-Napkin Disposal Unit:

  1. Basis-of-Design Product: Bobrick B-254
  2. Mounting: Surface Mounted
  3. Door or Cover: Self-closing disposal-opening cover and hinged face panel with tumbler lockset.
  4. Receptacle: Removable.
  5. Material and Finish: Stainless Steel, No. 4 Finish (satin).

F. Soap Dispenser:

  1. Basis of Design Product: Bobrick B-828
  2. Description: Hands free, battery operated, top fill bulk foam soap dispenser.
  3. Mounting: Countertop.
  4. Finish: Polished chrome.”

## Drawings

- | <u>Item No.</u> | <u>Description</u>   |
|-----------------|--|
| 1.              | <u>Revision:</u> Reference Drawing A1.1-First Floor Plan, Partition Types, Details, and Toilet Accessories. Delete this drawing in its entirety and add revised Drawing “A1.1-First Floor Plan, Partition Types, Details, and Toilet Accessories” attached to this addendum. |
| 2.              | <u>Revision:</u> Reference Drawing A2.1-Reflected Ceiling Plans. Delete this drawing in its entirety and add revised Drawing “A2.1-Reflected Ceiling Plans” attached to this addendum.   |
| 3.              | <u>Revision:</u> Reference Drawing A8.1-Finish Plans, Interior Elevations, Details, and Schedules. Delete this drawing in its entirety and add revised Drawing “A8.1-Finish Plans, Interior Elevations, Details, and Schedules” attached to this addendum.                   |
| 4.              | <u>Revision:</u> Reference Drawing M1.1-Floor Plans, Details, Notes, and Schedule. Delete this drawing in its entirety and add revised Drawing “M1.1-Floor Plans, Details, Notes, and Schedule” attached to this addendum.   |
| 5.              | <u>Revision:</u> Reference Drawing P1.1- Floor Plans, Details, Notes, and Schedule. Delete this drawing in its entirety and add revised Drawing “P1.1-Floor Plans, Details, Notes, and Schedule” attached to this addendum.  |

6. Revision: Reference Drawing FP1.1- Floor Plans and Notes. Delete this drawing in its entirety and add revised Drawing “FP1.1-Floor Plans and Notes” attached to this addendum.
  
7. Revision: Reference Drawing E0.1-Electrical Plans. Add the following note at the Lighting Fixture Schedule at Light Fixture-C: “Light Fixture-C will be furnished by Owner and installed by Contractor.”

END OF ADDENDUM NO. 1

Attachments: Pre-Bid Conference Sign-in Sheets, USC Hazmat Survey, Spec Section 093000-Tiling, Spec Section 102113-Toilet Compartments, Drawing A1.1, Drawing A2.1, Drawing A8.1, Drawing M1.1, Drawing P1.1, Drawing FP1.1.



Capstone Lobby Restrooms Refurbishment  
Non-Mandatory prebid meeting  
May 15, 2014 @2:00am at 743 Greene St., Cola, SC 29208

ATTENDEE'S NAME

COMPANY NAME & MAILING ADDRESS

Jim McFarland

Solid Structures

2548 Morningside Dr

W. Cola, SC

PH# 926-0298

FAX# 926-0299

CHRIS SENAR

EMAIL

jnoah@solidstructures.info

Penn Contracting LLC

P.O. Box 204

Ballentine SC 29002

PH# 803 407 9724 FAX 781 4142

FAX#

Tyler Meyer

EMAIL

Bob@penncontracting.com

First Class Construction

1815 Gervais St.

Columbia, SC 29201

PH# 803-926-1922

FAX# 803-926-1921

Marshall Walker

EMAIL

tmeyer@fcon.com

USC Project Manager

PH# 803-413-1990

FAX#

EMAIL Walker39@fmc.sc.edu

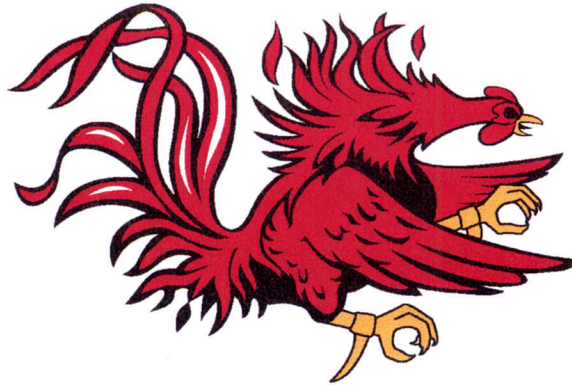
**PLEASE PRINT CLEARLY**



Capstone Lobby Restrooms Refurbishment  
Non-Mandatory prebid meeting  
May 15, 2014 @2:00am at 743 Greene St., Cola, SC 29208

ATTENDEE'S NAME	COMPANY NAME & MAILING ADDRESS
Nylie Stephenson	Core Construction Co 1315 Platt Springs Rd West Columbia PH# 803-791-8788 FAX# 791-0388 EMAIL Nylie.Stephenson@CoreConstructionSC.com
Walt Shealy	Springhill Construction PO Box 280 Chapin, SC 29036 PH# 803-767-2050 FAX# - EMAIL Wshealy@springhill-construction.net
Jason Prouse	Hammer Construction 785 Hampton Creek Way Columbia, 29209 PH# 803-783-7033 FAX# 803-783-7035 EMAIL JASON@HammerLLC.com
LAW POWERS	PYRAMID CONTRACTING 1109 A LYKES LAKE IRMO, SC 29063 PH# 803-732-2050 FAX# 803-732-6881 EMAIL <del>WADE</del> WADE@PYRAMIDCONTRACTING.COM

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Capstone Lobby Restrooms Refurbishment  
Non-Mandatory prebid meeting  
May 15, 2014 @2:00am at 743 Greene St., Cola, SC 29208

ATTENDEE'S NAME

COMPANY NAME & MAILING ADDRESS

Jeff Brannon

USC - Hazmat

PH# 917-4387

FAX#

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USC-HAZMAT

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Ty Russell

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USC-HAZMAT

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SHANNON CROUCH

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HENLEY'S CONSTRUCTION CO. INC.

P.O. BOX 2237

WEST COLUMBIA, SC 29171

PH# 803.743.2650

FAX# 803.955.4647

EMAIL SHANCROUCH@SC.PP.COM

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Capstone Lobby Restrooms Refurbishment  
Non-Mandatory prebid meeting  
May 15, 2014 @2:00am at 743 Greene St., Cola, SC 29208

ATTENDEE'S NAME

COMPANY NAME & MAILING ADDRESS

Lin Sherry

USC HOUSING

PH# 803 777-5719

FAX#

Ana Lasich

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JEFF ABRAMS  
Lind Jackson

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USE FACILITIES

PH# 803-239-8074

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Bill Davis

EMAIL JABRAMS@FMC.SC.EDU

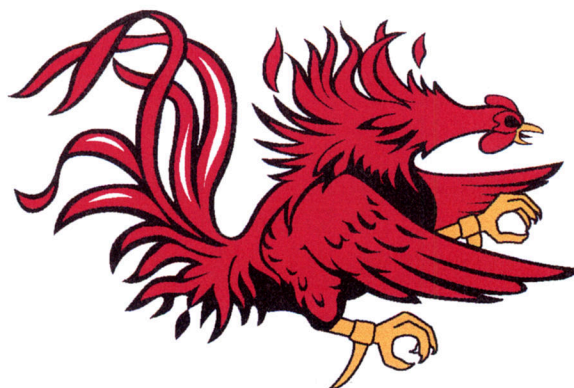
Contract Building Systems LLC

PH# 803-955-4646

FAX# 803 955-4647

EMAIL WDAVIS43@SC.PR.COM

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Capstone Lobby Restrooms Refurbishment  
Non-Mandatory prebid meeting  
May 15, 2014 @2:00am at 743 Greene St., Cola, SC 29208

ATTENDEE'S NAME

COMPANY NAME & MAILING ADDRESS

ANDREW ROGERSON

GARVIN DESIGN GROUP

1209 LINCOLN ST.

COLUMBIA, 29201

PH# 212 - 1032

FAX#

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STEVE LAYNE

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Description HAZMAT SURVEY - BLDG 039

<b>Site</b>	COLUMBIA	<b>Assigned To</b>	JPROVENCE
<b>Building</b>	039 CAPSTONE	<b>Crew</b>	HAZMAT
<b>Floor</b>	<b>Room:</b>	<b>Start Date</b>	<b>Priority</b> 2
<b>Equipment</b>		<b>Due date</b>	05-MAY-14
		<b>Request Date</b>	04-MAR-14
		<b>by</b>	CAMOORE

<b>Request #</b>	FM00451161	<b>Description</b>	HAZMAT SURVEY - BLDG 039
<b>Parent WO #</b>			

<b>CP Number</b>	CP00399491	<b>Description</b>	CAPSTONE LOBBY RESTROOM RENOVATIONS
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<b>State/Internal Project Number</b>	H27-Z164
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<b>Requestor</b>	ABRAMS,JEFF	<b>Project Manager</b>	ABRAMS, JEFFREY R
<b>Telephone</b>	239-8074	<b>Telephone</b>	777-3594
<b>Alternate</b>		<b>Estimated Cost</b>	\$ 0.00
<b>Telephone</b>		<b>Billing</b>	FIXED PRICE
<b>Non-Available Time</b>		<b>63100-A200-52043</b>	(FAMIS PROJECT HOLDING)

**Task List**  
 ERIC, PLEASE COORDINATE WITH KIM BENDILLO AT GARVIN FOR DRAWINGS AND WHICH SURFACES WILL BE DISTURBED BY THE CONTRUCTION. HER NUMBER IS 212-1032. YOU MAY WANT TO HAVE HER MEET YOU AT THE SITE. THANK YOU, JEFF ABRAMS, MAY 2, 2014.

<b>DATE WORK STARTED</b>	<b>CAUSE</b>
<b>DATE WORK COMPLETED</b>	<b>CONDITION</b>
<b>EQUIPMENT</b>	
<b>CLOSING REMARKS</b>	
<b>BENCHSTOCK MATERIALS</b>	
<b>Qty</b>	<b>Description</b>
	<b>Price Per Unit</b>

Supervisor's Approval \_\_\_\_\_

Note Date	Title
12-MAY-14	HAZMAT SURVEY RESULTS
SURVEY DATE: 5/8/14	
INSPECTOR #: DARRYL WASHINGTON II (BI-00568) AND ERIC MELARO (BI-01296)	
STATUS: THE FOLLOWING MATERIALS HAVE BEEN TESTED FOR ASBESTOS AND THE RESULTS FOLLOW:	
CEILING / WALL MATERIAL (ABOVE TEXTURE / BEHIND TILE IN RESTROOMS) – NEGATIVE FOR ASBESTOS	
TAN COVE BASE / MASTIC (IN HALLWAY) – NEGATIVE FOR ASBESTOS	
TEXTURED CEILING MATERIAL (IN RESTROOMS) – NEGATIVE FOR ASBESTOS	
CAULK (AROUND SINKS IN RESTROOMS) – NEGATIVE FOR ASBESTOS	
THE FOLLOWING MATERIALS HAVE BEEN TESTED FOR LEAD AND THE RESULTS FOLLOW:	

PINK WALL TILE (IN WOMEN'S RESTROOM) – POSITIVE FOR LEAD

WHITE BASE TILE (IN WOMEN'S RESTROOM) – POSITIVE FOR LEAD

TAN WALL TILE (IN MEN'S RESTROOM) – POSITIVE FOR LEAD

PINK FLOOR TILE (IN WOMEN'S RESTROOM) – NEGATIVE FOR LEAD

GRAY FLOOR TILE (IN MEN'S RESTROOM) – NEGATIVE FOR LEAD

TAN METAL DOOR FRAMES – NEGATIVE FOR LEAD

PREVIOUS DATA SUMMARY:

JOINT COMPOUND HAS PREVIOUSLY BEEN FOUND TO BE POSITIVE FOR ASBESTOS

FIREPROOFING (ABOVE CEILING AND POTENTIALLY IN COLUMNS) HAS PREVIOUSLY BEEN FOUND TO BE POSITIVE FOR ASBESTOS

INSPECTOR'S NOTES:

THE RENOVATION OF BOTH THE WOMEN'S AND MEN'S RESTROOM CONSISTS OF: REPLACING THE WALL AND FLOOR TILES; REPLACING PARTITIONS AND FIXTURES; AND SCRAPING THE CEILING TEXTURE. THE RENOVATION OF THE HALLWAY OUTSIDE THE RESTROOMS CONSISTS OF: REPLACING THE COVE BASE, APPLYING NEW WALLCOVERING DIRECTLY OVER THE EXISTING WALLCOVERING AND ADDING DESIGN ELEMENTS TO SEPARATE THE HALLWAY FROM THE LOBBY AREA. THE EXISTING SHEETROCK WALLS WILL NOT BE DISTURBED. WORK WILL NOT OCCUR ABOVE THE HALLWAY CEILING TILES.

DUE TO THE PRESENCE OF FIREPROOFING, WORK CAN NOT OCCUR ABOVE THE CEILINGS IN THE HALLWAY AND RESTROOMS.

EXPOSED FIREPROOFING WAS OBSERVED AT THE WIRING CONNECTION FOR THE MEN'S ROOM LIGHT FIXTURE. PLEASE CONTACT USC HAZMAT FOR ASSISTANCE IN REMOVING THE LIGHT FIXTURE.

THE WALL AND FLOOR TILES ARE NOT SUSPECT FOR ASBESTOS. THE FLOOR TILE IS LAYED DIRECTLY OVER CONCRETE. THE CONCRETE IS NOT SUSPECT FOR ASBESTOS.

THE RESTROOM DOORS ARE UNPAINTED, HOLLOW AND MADE OF WOOD. THEY ARE NOT SUSPECT FOR ASBESTOS.

THE MIRRORS AS WELL AS TOWEL AND SOAP DISPENSERS APPEAR TO BE MECHANICALLY ATTACHED TO THE WALLS. IF ANY MASTIC IS FOUND WHEN THESE ITEMS ARE REMOVED, PLEASE CONTACT USC HAZMAT FOR TESTING.

NO CAULK WAS OBSERVED AROUND THE TOILETS AND URINALS.

IF YOU ENCOUNTER ANY OTHER MATERIALS IN PLACE AND DEEM THEM SUSPECT FOR ASBESTOS AND/OR LEAD, PLEASE STOP WORK AND CONTACT THE ASBESTOS PROGRAM MANAGER FOR FURTHER TESTING OR ABATEMENT.

REFER TO THE SURVEY RESULTS ATTACHED TO THE WORK ORDER FOR DETAILED INFORMATION.

**25-OCT-13 ASBESTOS IN JOINT COMPOUND**

ASBESTOS CONTAINING JOINT COMPOUND HAS BEEN FOUND IN THIS BUILDING. DO NOT CUT, SAND OR DRILL WALLS. FOR FURTHER INFORMATION OR ASSISTANCE, PLEASE CONTACT THE USC HAZMAT PROGRAM.

**13-FEB-09 ASBESTOS MAY BE PRESENT IN THIS BUILDING**

WARNING - ASBESTOS EXPOSURE ALERT - EXPOSURE TO ASBESTOS MAY BE HARMFUL TO YOUR HEALTH

AS OF 02/04/2004 THE FOLLOWING AREAS WITHIN THE BUILDING HAVE BEEN IDENTIFIED BY SURVEY TO CONTAIN ASBESTOS:

BLDG 039 CAPSTONE

- > MECH. RM. BASEMENT, 2--16, 1280 LIN FT
- > COLD WATER PIPE MECH. RM. 1 150 LIN. FT
- > PIPING BASEMENT TO 17 FLOOR 6 LIN FT
- > MECH RM#2 BEHIND COLD WATER TANK 20 LIN. FT
- > SPRAY ON BEAMS OVER BUILDING 120,000 SQ. FT.
- > HOT WATER TANK MECH. RM #2 420 SQ. FT.
- > MECH. RM. #1,2, STORAGE CLOSETS ON FLOORS 2-16 210 SQ. FT.
- > INSIDE DOORS OF DORMITORY, ROOMS 2-16 MEN, WOMEN BATHRMS 16,000 SQ. FT.
- > UPPER CEILING 18TH FLOR IN RESTAURANT, ELEVATOR 30,000 SQ. FT.
- > CEILINGS 2-17 3,000 SQ. FT.
- > COLD WATER TANK MECH. RM. #2 150 SQ. FT.
- > FLANGE BOX 3,8,14TH FLOOR 75 SQ. FT.
- > MECH. RM #2 OVERHEAD DOOR 10 SQ. FT.
- > HEAT EXCHANGERS MECH RM #125 SQ FL.
- > MECH RM. # 1 HOT WATER TANKS 8 LIN. FT.

- > MECH RM 31 CHILL WATER SUPPLY & RETURNS 165 SQ. FT.
- > COLD WATER & CHILL ELBOWS MECH. RM 280 LIN FT.

THE FOLLOWING COMMON TYPES OF BUILDING COMPONENTS COULD CONTAIN MATERIALS THAT, WHEN DISTURBED, MIGHT EXPOSE YOU TO ASBESTOS:

1. FLOOR TILE
2. PIPE INSULATION
3. BLACK MASTIC
4. HVAC DUCT MASTIC
5. SPRAYED-ON FIREPROOFING
6. SPRAYED-ON CEILINGS
7. SHEETROCK JOINT COMPOUND

BEFORE DISTURBING THESE TYPES OF COMPONENTS, CONFIRM THAT THEY DO NOT CONTAIN ASBESTOS AND TAKE PROPER PRECAUTIONS AT ALL TIMES

**06-AUG-10 2009-10-29 BLDG COMPONENT ASBESTOS/LEAD EXPOSURE UPDATE**

BELOW ARE THE ASBESTOS AND LEAD TESTING RESULTS FOR CAPSTONE:

SHEET ROCK: NEGATIVE FOR ASBESTOS CONTAINING MATERIALS

JOINT COMPOUND: NEGATIVE FOR ASBESTOS CONTAINING MATERIALS

FIREPROOFING: POSITIVE FOR ASBESTOS CONTAINING MATERIAL

WHITE WALL PAINT: NEGATIVE FOR LEAD BASE PAINT

PER THE WALK THRU WITH ROBERT REALYVAQUEZ, AS LONG AS THE CONTRACTOR RUNS THE SINGLE

WIRE WITHIN THE MIDDLE OF THE CEILING, CONTRACTORS WILL NOT HAVE TO WORRY ABOUT

THE FIREPROOFING ON BOTH SIDES OF THE CEILING SPACE. THIS MATERIAL INTACT SHOULD NOT BE TOUCHED

THERE IS FIREPROOFING ON A BEAM ON THE MAIN FLOOR NEAR THE CAFÉ SIDE, AND NEAREST THE

ELECTRICAL CLOSEST NEAREST THE ELEVATOR

THE KEYSTONE ROOM HAS ASBESTOS FIREPROOFING AND ACCESS ABOVE THE CEILING IN THIS ROOM

IS PROHIBITED

ALL OF THE 17TH FLOOR IS SPRAYED WITH ASBESTOS FIREPROOFING, ANAD ACCESS ABOVE THE

CEILING IN THE BOARD OF TRUSTEES MEETING ROOM IS PROHIBITED

THE HOTEL ROOMS ON THE SAME FLOOR HAVE ASBESTOS SPRAYED INSIDE EACH ROOM ABOVE THE

CEILING AS WELL AS THE HALLWAY SPACE

THE FLOOR TILE AND MASTIC IN THIS BUILDING IS POSITIVE FOR ASBESTOS THROUGHOUT

IF ANY DRILLING HAS TO OCCUR IN THIS BUILDING THE JOINT COMPOUND HAS TO BE MISSED IN

ORDER TO PURSUE WORK

IF YOU AND/ OR CONTRACTORS NEED TO DISTURB ANY MATERIALS YOU DEEM SUSPECT THAT ARE NOT LISTED ABOVE, STOP WORK AND CONTACT THE ASBESTOS PROGRAM MANAGER, 777-1208. IF YOU NEED TO DISTURB ANY MATERIAL LISTED AS POSITIVE, YOU MUST CONTACT THE ASBESTOS PROGRAM MANAGER TO ARRANGE FOR REMOVAL. THIS INFORMATION MUST BE PASSED ALONG TO ALL CONTRACTORS, SUB-CONTRACTORS, AND INDIVIDUALS WORKING IN THIS BUILDING

SECTION 093000 - TILING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes the following:

- 1. Ceramic floor tile.
- 2. Wall tile.
- 3. Waterproof/crack-suppression membranes for thick-set tile installations.
- 4. Marble transitions installed as part of tile installations.
- 5. Ceramic bullnose and cane trim.

- B. Related Sections include the following:

- 1. Division 02 Section "Selective Demolition" for removal of existing setting tile, setting bed and thresholds.
- 2. Division 07 Section "Joint Sealants" for sealing of expansion, contraction, control, and isolation joints in tile surfaces.
- 3. Division 09 Section "Gypsum Board" for tile backer board units installed as substrates for ceramic tile.

1.3 DEFINITIONS

- A. Module Size: Actual tile size (minor facial dimension as measured per ASTM C 499) plus joint width indicated.
- B. Facial Dimension: Actual tile size (minor facial dimension as measured per ASTM C 499).

1.4 PERFORMANCE REQUIREMENTS

- A. Static Coefficient of Friction: For tile installed on walkway surfaces, provide products with the following values as determined by testing identical products per ASTM C 1028:
  - 1. Level Surfaces: Minimum 0.6.

1.5 SUBMITTALS

- A. Product Data: For each type of product indicated.
- B. Shop Drawings: Show locations of each type of tile and tile pattern. Show widths, details, and locations of expansion, contraction, control, and isolation joints in tile substrates and finished tile surfaces.
- C. Samples for Initial Selection: For each type of grout indicated and accessories involving color selection.
- D. Samples for Verification:
  - 1. Full-size units of each type and composition of tile and for each color and finish required.
  - 2. Full-size units of each type of trim and accessory for each color and finish required.
- E. Product Certificates: For each type of product, signed by product manufacturer.
- F. Qualification Data: For Installer.
- G. Material Test Reports: For each tile-setting and -grouting product.

1.6 QUALITY ASSURANCE

- A. Source Limitations for Tile: Obtain all tile of same color or finish from one source or producer.
  - 1. Obtain tile from same production run and of consistent quality in appearance and physical properties for each contiguous area.
- B. Source Limitations for Setting and Grouting Materials: Obtain ingredients of a uniform quality for each mortar, adhesive, and grout component from a single manufacturer and each aggregate from one source or producer.
- C. Source Limitations for Other Products: Obtain each of the following products specified in this Section through one source from a single manufacturer for each product:
  - 1. Joint sealants.
  - 2. Marble transition strips.
- D. Mockups: Build mockups to verify selections made under sample Submittals and to demonstrate aesthetic effects, qualities of materials and execution.
  - 1. Approved mockups, including grout and sealants may become part of the completed Work if undisturbed at time of Substantial Completion.
- E. Preinstallation Conference: Conduct conference at Project site to comply with requirements in Division 01 Section "Project Management and Coordination." Discuss transitions at sloped conditions.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Deliver and store packaged materials in original containers with seals unbroken and labels intact until time of use. Comply with requirement in ANSI A137.1 for labeling sealed tile packages.



- B. Store tile and cementitious materials on elevated platforms, under cover, and in a dry location.
- C. Store aggregates where grading and other required characteristics can be maintained and contamination avoided.
- D. Store liquid latexes and emulsion adhesives in unopened containers and protected from freezing.
- E. Handle tile that has temporary protective coating on exposed surfaces to prevent coated surfaces from contacting backs or edges of other units. If coating does contact bonding surfaces of tile, remove coating from bonding surfaces before setting tile.

#### 1.8 PROJECT CONDITIONS

- A. Environmental Limitations: Do not install tile until construction in spaces is complete and ambient temperature and humidity conditions are maintained at the levels indicated in referenced standards and manufacturer's written instructions.

#### 1.9 EXTRA MATERIALS

- A. Furnish extra materials described below that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
  - 1. Tile and Trim Units: Furnish quantity of full-size units equal to 3 percent of amount installed, for each type, composition, color, pattern, and size indicated.

### PART 2 - PRODUCTS

#### 2.1 PRODUCTS, GENERAL

- A. ANSI Ceramic Tile Standard: Provide tile that complies with ANSI A137.1, "Specifications for Ceramic Tile," for types, compositions, and other characteristics indicated.
  - 1. Provide tile complying with Standard grade requirements, unless otherwise indicated.
  - 2. For facial dimensions of tile, comply with requirements relating to tile sizes specified in Part 1 "Definitions" Article.
- B. ANSI Standards for Tile Installation Materials: Provide materials complying with ANSI standards referenced in "Setting and Grouting Materials" Article.
- C. Colors, Textures, and Patterns: Where manufacturer's standard products are indicated for tile, grout, and other products requiring selection of colors, surface textures, patterns, and other appearance characteristics, provide specific products or materials complying with the following requirements:
  - 1. As selected by Architect from manufacturer's full range-see Finish Schedule and Finish Plans for Basis-of-Design designations and patterns.

- D. Factory Blending: For tile exhibiting color variations within ranges selected during Sample submittals, blend tile in factory and package so tile units taken from one package show same range in colors as those taken from other packages and match approved Samples.
- E. Mounting: For factory-mounted tile, provide back- or edge-mounted tile assemblies as standard with manufacturer, unless otherwise indicated.
  - 1. Where tile is indicated for installation in wet areas, do not use back- or edge-mounted tile assemblies unless tile manufacturer specifies in writing that this type of mounting is suitable for installation indicated and has a record of successful in-service performance.

## 2.2 TILE PRODUCTS

### A. Porcelain Paver Tile (CT-1):

- 1. Composition: Porcelain.
- 2. Module Size: 12" x 24".
- 3. Thickness: 3/8 inch.
- 4. Face: Pattern of design indicated, with square or cushion edges.
- 5. Basis-of-Design Product: See Finish Schedule.

### B. Porcelain Wall Tile (CT-1):

- 1. Composition: Porcelain.
- 2. Module Size: 12 x 24".
- 3. Thickness: 3/8 inch.
- 4. Face: Pattern of design indicated, with square or cushion edges.
- 5. Basis-of-Design Product: See Finish Schedule.

### C. Accent Wall Tile (CT-2):

- 1. Composition: **Glass and Stone** Mosaic.
- 2. Module Size: Varies.
- 3. Face: Pattern of design indicated, with square or cushion edges.
- 4. Basis-of-Design Product: See Finish Schedule.

### D. Porcelain Trim Units: Unless otherwise noted, matching characteristics of adjoining flat tile and coordinated with sizes and coursing of adjoining flat tile where applicable. Provide shapes as follows, selected from manufacturer's standard shapes:

- 1. Wainscot Top Cap: bullnose, see Finish Schedule, WM-1.
- 2. Cain Trim @ mirror inset: half-round, see Finish Schedule, WM-2.

### 2.3 WATERPROOFING/CRACK ISOLATION MEMBRANE

- A. General: Manufacturer's standard product, that complies with ANSI A118.10 and is recommended by the manufacturer for the application indicated. Include reinforcement and accessories recommended by manufacturer.
- B. Polyethylene Sheet: Polyethylene faced on both sides with fleece webbing; 0.008-inch (0.203-mm) nominal thickness.
  - 1. **Products:** Subject to compliance with requirements, provide one of the following systems:
    - a. Schluter Systems L.P.; KERDI @ walls and floors.
    - b. Schluter Systems L.P. DITRA @ Floors, KERDI at walls.
    - c. Or Approved Equivalent fabric underlayment.

### 2.4 SETTING MATERIALS

- A. Portland Cement Mortar (Thickset) Installation Materials @ FLOORS: ANSI A108.02.
  - 1. Cleavage Membrane: Asphalt felt, ASTM D 226, Type I (No. 15); or polyethylene sheeting, ASTM D 4397, 4.0 mils (0.1 mm) thick.
  - 2. Reinforcing Wire Fabric: Galvanized, welded wire fabric, 2 by 2 inches (50.8 by 50.8 mm) by 0.062-inch (1.57-mm) diameter; comply with ASTM A 185 and ASTM A 82 except for minimum wire size.
  - 3. Expanded Metal Lath: Diamond-mesh lath complying with ASTM C 847.
    - a. Base Metal and Finish for Interior Applications: Uncoated or zinc-coated (galvanized) steel sheet, with uncoated steel sheet painted after fabrication into lath.
    - b. Base Metal and Finish for Exterior Applications: Zinc-coated (galvanized) steel sheet.
    - c. Configuration over Studs and Furring: Flat.
    - d. Configuration over Solid Surfaces: Self furring.
    - e. Weight: 2.5 lb/sq. yd. (1.4 kg/sq. m).
  - 4. Latex Additive: Manufacturer's standard water emulsion, serving as replacement for part or all of gaging water, of type specifically recommended by latex-additive manufacturer for use with field-mixed portland cement and aggregate mortar bed.
- B. Latex-Portland Cement Mortar (Thin Set) @ WALLS: ANSI A118.4.
  - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
    - a. Ardex Group.
    - b. Laticrete International, Inc.
    - c. MAPEI Corporation.
  - 2. Provide prepackaged, dry-mortar mix containing dry, redispersible, vinyl acetate or acrylic additive to which only water must be added at Project site.

3. Provide prepackaged, dry-mortar mix combined with manufacturer's suggested liquid-latex additive at Project site.
4. For wall applications, provide mortar that complies with requirements for nonsagging mortar in addition to the other requirements in ANSI A118.4.

## 2.5 GROUT MATERIALS

### A. Water-Cleanable Epoxy Grout: ANSI A118.3.

1. Manufacturers: Subject to compliance with requirements, provide products product by one of the following:
  - a. [Ardex Group.](#)
  - b. [Laticrete International, Inc.](#)
  - c. [MAPEI Corporation.](#)
2. Provide product capable of withstanding continuous and intermittent exposure to temperatures of up to 140 deg F (60 deg C) and 212 deg F (100 deg C), respectively, and certified by manufacturer for intended use.
3. Protect grout from foreign material and traffic, allow **7 days** to cure fully.

## 2.6 ELASTOMERIC SEALANTS

- A. General: Provide manufacturer's standard chemically curing, elastomeric sealants of base polymer and characteristics indicated that comply with applicable requirements in Division 07 Section "Joint Sealants."
- B. Colors: Provide colors of exposed sealants to match colors of grout in tile adjoining sealed joints, unless otherwise indicated. Include in MOCK-UP for Approval.
- C. One-Part, Mildew-Resistant Silicone Sealant: ASTM C 920; Type S; Grade NS; Class 25; Uses NT, G, A, and, as applicable to nonporous joint substrates indicated, O; formulated with fungicide, intended for sealing interior ceramic tile joints and other nonporous substrates that are subject to in-service exposures of high humidity and extreme temperatures.
  1. Products:
    - a. Dow Corning Corporation; Dow Corning 786.
    - b. GE Silicones; Sanitary 1700.
    - c. Pecora Corporation; Pecora 898 Sanitary Silicone Sealant.
    - d. Tremco, Inc.; Tremsil 600 White.

## 2.7 MISCELLANEOUS MATERIALS

- A. Trowelable Underlayments and Patching Compounds: Latex-modified, portland cement-based formulation provided or approved by manufacturer of tile-setting materials for installations indicated.

- B. Marble Transition Strips: Provide the following types of marble transition strips at locations as indicated on Drawings (See Sill Details and Enlarged Toilet Plans):
  - 1. From Porcelain **Tile to VCT**: 2" minimum beveled marble threshold, angled to transition from Tile thickness to existing VCT @ corridor.
- C. Temporary Protective Coating: Either product indicated below that is formulated to protect exposed surfaces of tile against adherence of mortar and grout; compatible with tile, mortar, and grout products; and easily removable after grouting is completed without damaging grout or tile.
  - 1. Petroleum paraffin wax, fully refined and odorless, containing at least 0.5 percent oil with a melting point of 120 to 140 deg F (49 to 60 deg C) per ASTM D 87.
  - 2. Grout release in form of manufacturer's standard proprietary liquid coating that is specially formulated and recommended for use as temporary protective coating for tile.
- D. Tile Cleaner: A neutral cleaner capable of removing soil and residue without harming tile and grout surfaces, specifically approved for materials and installations indicated by tile and grout manufacturers.
- E. Building Paper (for installation behind cementitious backer units): Asphalt-saturated organic felt complying with ASTM D 226, Type I (No. 15 asphalt felt), unperforated.

## 2.8 MIXING MORTARS AND GROUT

- A. Mix mortars and grouts to comply with referenced standards and mortar and grout manufacturers' written instructions.
- B. Add materials, water, and additives in accurate proportions.
- C. Obtain and use type of mixing equipment, mixer speeds, mixing containers, mixing time, and other procedures to produce mortars and grouts of uniform quality with optimum performance characteristics for installations indicated.

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Examine substrates, areas, and conditions where tile will be installed, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of installed tile.
  - 1. Verify that substrates for setting tile are firm; dry; clean; free of oil, waxy films, and curing compounds; and within flatness tolerances required by referenced ANSI A108 Series of tile installation standards for installations indicated.
  - 2. Verify that installation of grounds, anchors, recessed frames, electrical and mechanical units of work, and similar items located in or behind tile has been completed before installing tile.
  - 3. Verify that joints and cracks in tile substrates are coordinated with tile joint locations; if not coordinated, adjust joint locations in consultation with Architect.



- B. Proceed with installation only after unsatisfactory conditions have been corrected.

### 3.2 PREPARATION

- A. Remove coatings, including curing compounds and other substances that contain soap, wax, oil, or silicone, that are incompatible with tile-setting materials.
- B. Provide concrete substrates for tile floors installed with thin-set mortar that comply with flatness tolerances specified in referenced ANSI A108 Series of tile installation standards.
  - 1. Fill cracks, holes, and depressions with trowelable leveling and patching compound according to tile-setting material manufacturer's written instructions. Use product specifically recommended by tile-setting material manufacturer.
  - 2. Remove protrusions, bumps, and ridges by sanding or grinding.
- C. Blending: For tile exhibiting color variations within ranges selected during Sample submittals, verify that tile has been factory blended and packaged so tile units taken from one package show same range of colors as those taken from other packages and match approved Samples. If not factory blended, either return to manufacturer or blend tiles at Project site before installing.
- D. Field-Applied Temporary Protective Coating: Where indicated under tile type or needed to prevent grout from staining or adhering to exposed tile surfaces, precoat them with continuous film of temporary protective coating, taking care not to coat unexposed tile surfaces.

### 3.3 INSTALLATION, GENERAL

- A. ANSI Tile Installation Standards: Comply with parts of ANSI A108 Series "Specifications for Installation of Ceramic Tile" that apply to types of setting and grouting materials and to methods indicated in ceramic tile installation schedules.
- B. TCA Installation Guidelines: TCA's "Handbook for Ceramic Tile Installation." Comply with TCA installation methods indicated in ceramic tile installation schedules.
- C. Extend tile work into recesses and under or behind equipment and fixtures to form complete covering without interruptions, unless otherwise indicated. Terminate work neatly at obstructions, edges, and corners without disrupting pattern or joint alignments.
- D. Accurately form intersections and returns. Perform cutting and drilling of tile without marring visible surfaces. Carefully grind cut edges of tile abutting trim, finish, or built-in items for straight aligned joints. Fit tile closely to electrical outlets, piping, fixtures, and other penetrations so plates, collars, or covers overlap tile.
- E. Jointing Pattern: Lay tile in running bond pattern, as indicated in Spec, Finish Schedule, Finish Plans and Elevations. Align joints when adjoining tiles on floor, base, walls, and trim are same size. Lay out tile work and center tile fields in both directions in each space or on each wall area. Adjust to minimize tile cutting. Provide uniform joint widths, unless otherwise indicated.

- F. Expansion Joints: Locate expansion joints and other sealant-filled joints, including control, contraction, and isolation joints, where indicated during installation of setting materials, mortar beds, and tile. Do not saw-cut joints after installing tiles.
  - 1. Locate joints in tile surfaces directly above joints in concrete substrates.
  - 2. Prepare joints and apply sealants to comply with requirements in Division 07 Section "Joint Sealants."

### 3.4 FLOOR TILE INSTALLATION

- A. General: Install tile to comply with requirements in the Floor Tile Installation Schedule, including those referencing TCA installation methods and ANSI A108 Series of tile installation standards.
  - 1. For installations indicated below, follow procedures in ANSI A108 Series tile installation standards for providing 95 percent mortar coverage.
    - a. Tile floors in wet areas.
    - b. Tile floors composed of tiles 8 by 8 inches or larger.
    - c. Tile floors composed of rib-backed tiles.
- B. Joint Widths: Install tile on floors with the following joint widths:
  - 1. Porcelain Paver Tile: 1/4 inch.
  - 2. Ceramic Mosaic: 1/16 inch.
- C. Marble Transitions Strips: Install at locations indicated on Drawings or where a smooth transition is needed from tile to floor coverings at lower elevations or unfinished tile edge.

### 3.5 WALL TILE INSTALLATION

- A. Install types of tile designated for wall installations to comply with requirements in the Wall Tile Installation Schedule, including those referencing TCA installation methods and ANSI setting-bed standards.
- B. Joint Widths: Install tile on walls with the following joint widths:
  - 1. Ceramic Paver Tile: 1/4 inch (CT-1).
  - 2. Glazed Wall Tile: 1/16 inch. (CT-2).
- C. Lay out tile wainscots in full tile increments in accordance with dimensions indicated and wall mounted fixtures. Start with full tile at floor, finish with ceramic top cap. See details at Enlarged Toilet Plans.

### 3.6 CLEANING AND PROTECTING

- A. Cleaning: On completion of placement and grouting, clean all ceramic tile surfaces so they are free of foreign matter.

Remove latex-portland cement grout residue from tile as soon as possible.

1. Clean grout smears and haze from tile according to tile and grout manufacturer's written instructions, but no sooner than 10 days after installation. Use only cleaners recommended by tile and grout manufacturers and only after determining that cleaners are safe to use by testing on samples of tile and other surfaces to be cleaned. Protect metal surfaces and plumbing fixtures from effects of cleaning. Flush surfaces with clean water before and after cleaning.
  2. Remove temporary protective coating by method recommended by coating manufacturer that is acceptable to tile and grout manufacturer. Trap and remove coating to prevent it from clogging drains.
- B. When recommended by tile manufacturer, apply coat of neutral protective cleaner to completed tile walls and floors. Protect installed tile work with kraft paper or other heavy covering during construction period to prevent staining, damage, and wear.
- C. Prohibit foot and wheel traffic from tiled floors for at least seven days after grouting is completed.
- D. Before final inspection, remove protective coverings and rinse neutral cleaner from tile surfaces.

END OF SECTION 093000

SECTION 102113 – SOLID SURFACE TOILET COMPARTMENTS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- 1. Solid-surface toilet compartments configured as toilet enclosures and urinal screens.
- B. Related Sections include the following:
  - 1. Division 06 Section "Rough Carpentry" for blocking.
  - 2. Division 10 "Toilet and Bath Accessories" for toilet tissue dispensers, grab bars, and similar accessories.

1.3 DEFINITION

- 1. Solid Surface is defined as nonporous, homogeneous material maintaining the same composition throughout the part with a composition of acrylic polymer, aluminum trihydrate filler and pigment.

1.4 SUBMITTALS

- A. Product Data: For each type of product indicated. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes.
- B. Shop Drawings: Include plans, elevations, sections, details, and attachments to other work.
  - 1. Show locations of cutouts for compartment-mounted toilet accessories.
  - 2. Show full-size details, edge details, thermoforming requirements, attachments, etc.
- C. Samples for Verification: Of each type of color and finish required for units, prepared on 4-inch- square Samples of same thickness and material indicated for Work.
- D. Fabricator/Installer qualifications:
  - 1. Provide copy of certification number.
- E. Manufacturer certificates:
  - 1. Signed by manufacturers certifying that they comply with requirements.
- F. Maintenance Data:
  - 1. Submit manufacturer's care and maintenance data, including repair and cleaning instructions.
    - a. Maintenance kit for finishes shall be submitted.
  - 2. Include project closeout documents.

1.5 QUALITY ASSURANCE

A. Qualifications:

1. Shop that employs skilled workers who custom fabricate products similar to those required for this project and whose products have a record of successful in-service performance.

B. Applicable standards:

1. Standards of the following, as referenced herein:
  - a. American National Standards Institute (ANSI)
  - b. American Society for Testing and Materials (ASTM)
  - c. National Electrical Manufacturers Association (NEMA)
2. Fire test response characteristics:
  - a. Provide with the following Class A (Class I) surface burning characteristics as determined by testing identical products per UL 723 (ASTM E84) or another testing and inspecting agency acceptable to authorities having jurisdiction:
    - 1) Flame Spread Index: 25 or less.
    - 2) Smoke Developed Index: 450 or less.

1.6 DELIVERY, STORAGE AND HANDLING

1. Due to standard lead times for this product and Project schedule, process submittals quickly, order materials, and expedite fabrication to meet schedule.
2. Deliver no components to project site until areas are ready for installation.
3. Store components indoors prior to installation.
4. Handle materials to prevent damage to finished surfaces.
  - a. Provide protective coverings to prevent physical damage or staining following installation for duration of project.

1.7 WARRANTY

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

1.8 MAINTENANCE

1. Provide maintenance requirements as specified by the manufacturer.

1.9 PROJECT CONDITIONS

A. Field Measurements: Verify actual locations of walls, columns, ceilings, and other construction contiguous with toilet compartments by field measurements before fabrication and indicate measurements on Shop Drawings.

1. Established Dimensions: Where field measurements cannot be made without delaying the Work, establish dimensions and proceed with fabricating toilet compartments without field measurements.
2. Coordinate wall, floor, ceilings, and other contiguous construction to ensure that actual dimensions correspond to established dimensions.



PART 2 - PRODUCTS

2.1 SOLID-SURFACE UNITS (SSTP)

- A. Basis-of-Design Product: Subject to compliance with requirements, provide cast, nonporous, filled polymer, not coated, laminated or of composite construction with through body colors meeting ANSI Z124.3 or ANSI Z124.6, having minimum physical and performance properties specified. Provide DuPont Corian Solid Surface material, matching color indicated in Finish Schedule or pre-approved equivalent in color and aesthetic.
- B. Toilet-Enclosure Style: Overhead braced and Floor anchored.
  - 1. Pilasters of 1-inch solid surface material.
  - 2. All mounting hardware to be internally mounted in panels and pilasters and to be concealed after assembly of partitions.
- C. Urinal-Screen Style: Wall hung.
  - 1. All mounting hardware to be concealed after assembly of partitions, no visible mounting hardware is accessible.
- D. Door and Panel Construction: Solid surface panel material, not less than 1/2" thick, seamless, with eased edges, and with homogeneous color and pattern throughout thickness of material.

2.2 ACCESSORIES

- A. Hardware and Accessories: Manufacturer's standard design, heavy-duty operating hardware and accessories.
  - 1. Material: Stainless steel.
- B. Overhead Bracing: Manufacturer's standard continuous, extruded-aluminum head rail with antigrip profile and in manufacturer's standard finish.
- C. Anchorages and Fasteners: Manufacturer's standard exposed fasteners of stainless steel or chrome-plated steel or brass, finished to match hardware, with theft-resistant-type heads. Provide sex-type bolts for through-bolt applications. For concealed anchors, use hot-dip galvanized or other rust-resistant, protective-coated steel.
- D. Hinges:
  - a. Manufacturer's standard self-closing type that can be adjusted to hold doors open at any angle up to 90 degrees.
- E. Latch and keeper:
  - a. Manufacturer's standard surface-mounted latch unit designed for emergency access and with combination rubber-faced door strike and keeper.
  - b. Provide units that comply with accessibility requirements of authorities having jurisdiction at compartments indicated to be accessible to people with disabilities.

- F. Coat Hook:
  - a. Manufacturer's standard combination hook and rubber-tipped bumper, sized to prevent door from hitting compartment-mounted accessories.
- G. Door Bumper:
  - 1. Manufacturer's standard rubber-tipped bumper at out-swinging doors.
- H. Door Pull:
  - 1. Manufacturer's standard unit at out-swinging doors that complies with accessibility requirements of authorities having jurisdiction.
  - 2. Provide units on both sides of doors at compartments indicated as 'accessible units.'
- I. Pilaster Shoes: Manufacturer's standard design; stainless steel.
- J. Brackets (Fittings):
  - 1. Stirrup Type: Ear or U-brackets, clear-anodized aluminum or stainless steel.

## 2.3 FABRICATION

- A. Overhead-Braced Units: Provide manufacturer's standard corrosion-resistant supports, leveling mechanism, fasteners, and anchors at pilasters to suit floor conditions. Make provisions for setting and securing continuous head rail at top of each pilaster. Provide shoes at pilasters to conceal supports and leveling mechanism.
- B. Doors: Unless otherwise indicated, provide 24-inch- (610-mm-) wide in-swinging doors for standard toilet compartments and 36-inch- (914-mm-) wide out-swinging doors with a minimum 32-inch- (813-mm-) wide clear opening for compartments indicated to be accessible to people with disabilities, see drawings for specific configurations.

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- 1. Examine substrates and conditions, with fabricator present for compliance with requirements for installation tolerances, and other conditions affecting performance of work.
- 2. Proceed with installation only after unsatisfactory conditions have been corrected.

### 3.2 INSTALLATION

- A. General: Comply with manufacturer's written installation instructions. Install units rigid, straight, level, and plumb. Secure units in position with manufacturer's recommended anchoring devices.
  - 1. Provide Product in largest pieces available.
    - a. Exposed joints/seams will not be allowed.
  - 2. Carefully dress edges smooth, remove surface scratches, and clean entire surface.

3. Maximum Clearances:

- a. Pilasters and Panels: 1/2 inch (13 mm).
  - b. Panels and Walls: 1 inch (25 mm).
- B. Overhead-Braced Units: Secure pilasters to floor and level, plumb, and tighten. Secure continuous head rail to each pilaster with not less than two fasteners. Hang doors to align tops of doors with tops of panels and adjust so tops of doors are parallel with overhead brace when doors are in closed position.
- C. Wall Hung and Post-Supported Urinal Screens: Attach with anchoring devices to suit supporting structure. Set units level and plumb and to resist lateral impact.

3.3 ADJUSTING

- A. Hardware Adjustment: Adjust and lubricate hardware according to manufacturer's written instructions for proper operation. Set hinges on in-swinging doors to hold doors open approximately 30 degrees from closed position when unlatched. Set hinges on out-swinging doors to return doors to fully closed position.

END OF SECTION 102113

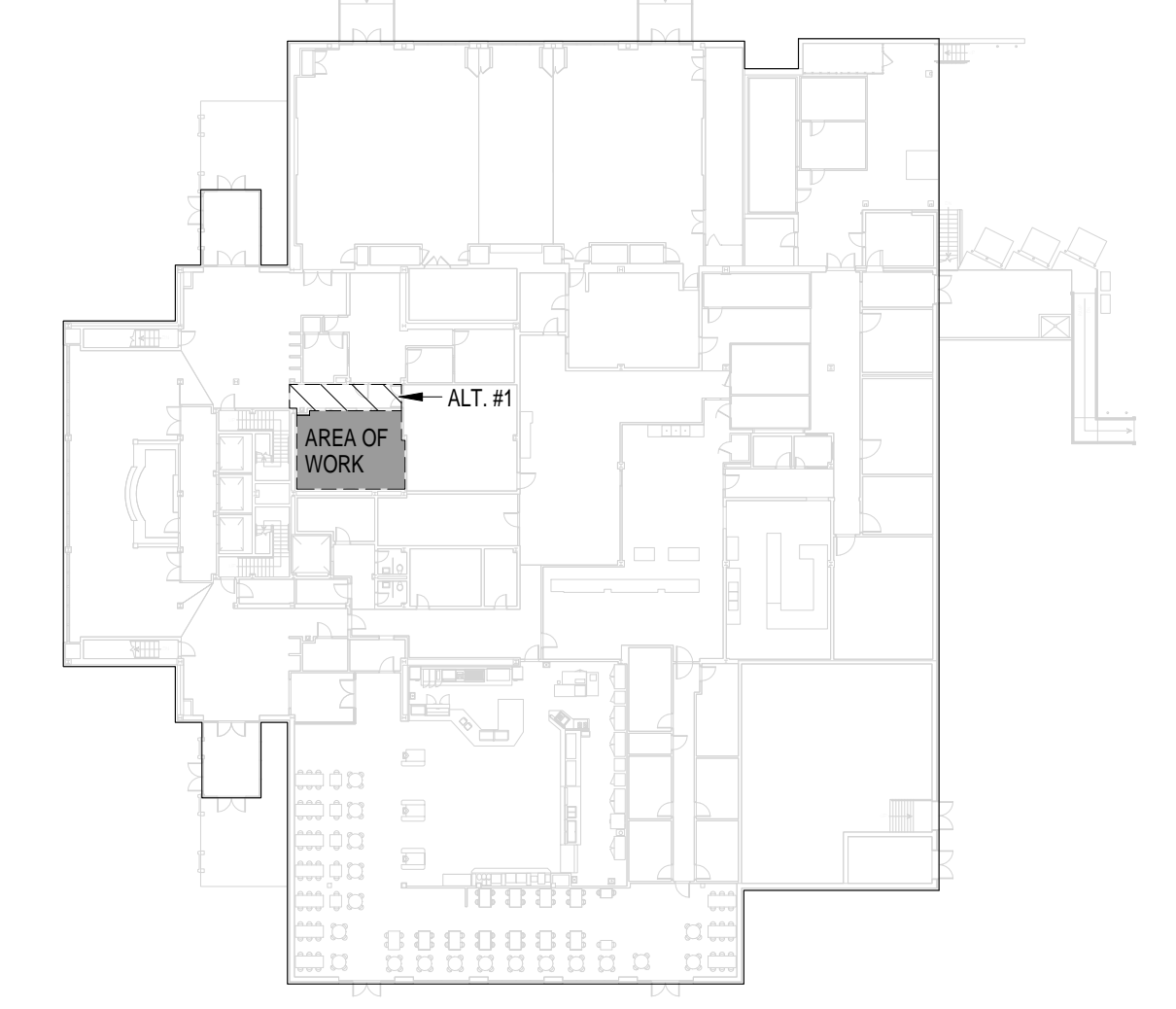


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**LOBBY RESTROOMS REFURBISHMENT**  
 808 Barmwell Street  
 Columbia, SC 29201

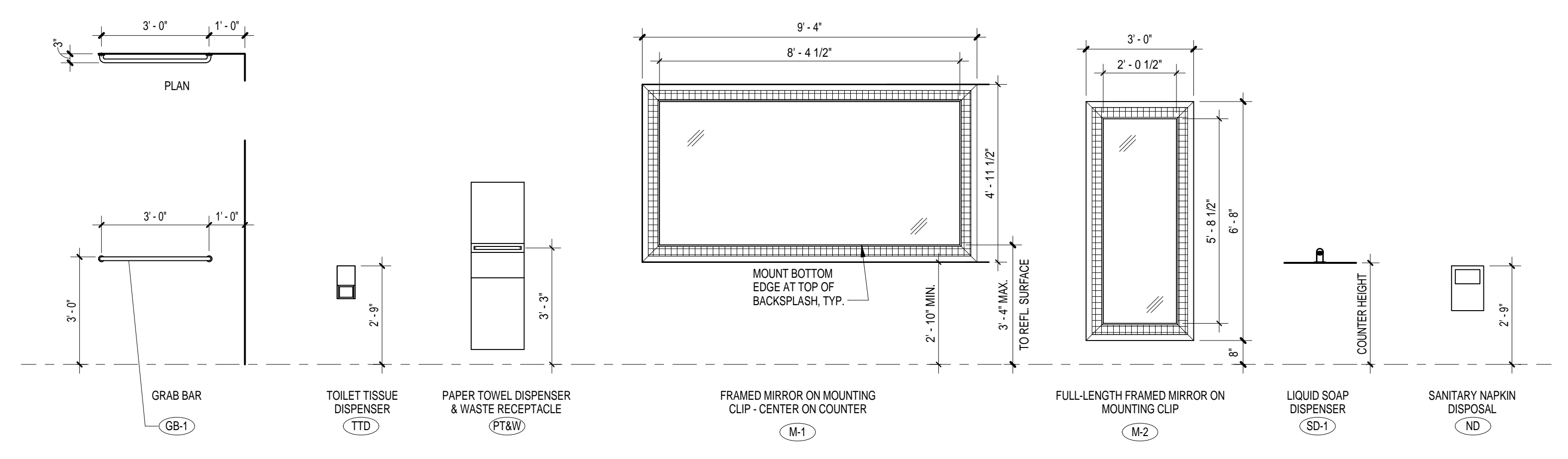
NO.	REVISIONS	DATE
1	ADDENDUM 1	5.20.14

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**CHECKED BY:** [Blank]  
**AUTHOR:** [Blank]  
**DATE:** 5.20.14

**DRAWING TITLE**  
**FIRST FLOOR PLAN, PARTITION TYPES, DETAILS, AND TOILET ACCESSORIES**  
**DRAWING NO.**  
**A1.1**



KEY PLAN - CAPSTONE



COORDINATE LOCATION OF ALL ACCESSORIES WITH ARCHITECT AND OWNER  
 SEE SPECS FOR MANUFACTURER AND MODEL NUMBERS  
**TOILET ACCESSORIES**

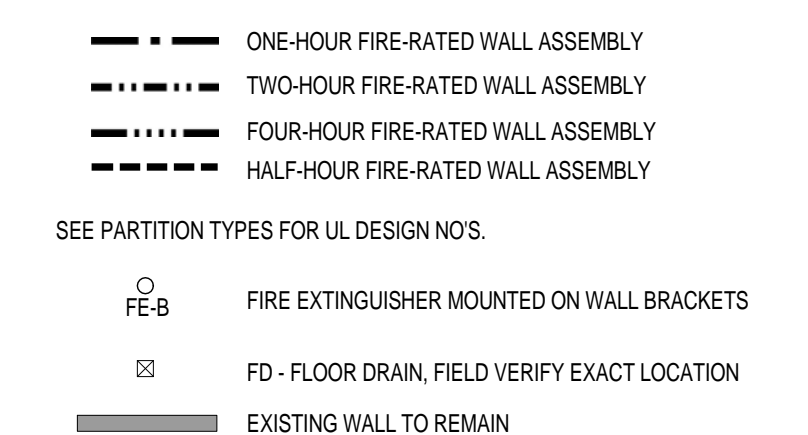
**GENERAL NOTES - FLOOR PLAN**

- DIMENSIONS INDICATED ON THESE DRAWINGS ARE TO FACE OF CMU WALL, FACE OF EXTERIOR VENEER, FACE OF STUD WALL, OR CENTERLINE OF COLUMN UNLESS OTHERWISE INDICATED. COORDINATE ALL DIMENSIONS WITH STRUCTURAL DIMENSION PLANS, ENLARGED PLANS, SECTION AND DETAIL DRAWINGS, AND STRUCTURAL DRAWINGS AND VERIFY EXACT LOCATIONS. COORDINATE ALL FLOOR SLAB PENETRATIONS WITH SYSTEM DRAWINGS (S.S., M.S., P.S. AND E.S.) AND ACTUAL PRODUCT TO BE INSTALLED AND VERIFY LOCATIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO INSTALLATION.
- SEE FINISH SCHEDULES AND PLANS FOR FLOOR PATTERNS AND FLOOR FINISH REFERENCES.
- ALL EXISTING COLUMNS ARE TO REMAIN.
- PATCH ALL EXISTING HOLES IN CONCRETE STRUCTURE. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- HAZARDOUS MATERIALS ARE PRESENT IN THE SCOPE OF DEMOLITION/CONSTRUCTION. A REPORT ON THE PRESENCE OF HAZARDOUS MATERIALS IS ON FILE FOR REVIEW. HAZARDOUS MATERIALS SHALL BE REMOVED BY OWNER PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
- CONTACT OWNER UPON DISCOVERY OF ANY SUSPECTED ASBESTOS-CONTAINING MATERIALS OR OTHER SUSPECTED HAZARDOUS MATERIALS NOT SHOWN TO BE REMOVED WITHIN THE PROJECT SCOPE.
- ALL EXISTING FLOOR TILE, MUD SETTING BED, WALL PLASTER, AND METAL LATHE TO BE REMOVED. PREPARE SURFACES FOR NEW TILE FINISHES, GYPSUM BOARD, OR BACKER BOARD AS REQUIRED. SEE FINISH PLANS FOR MATERIAL DESIGNATIONS.

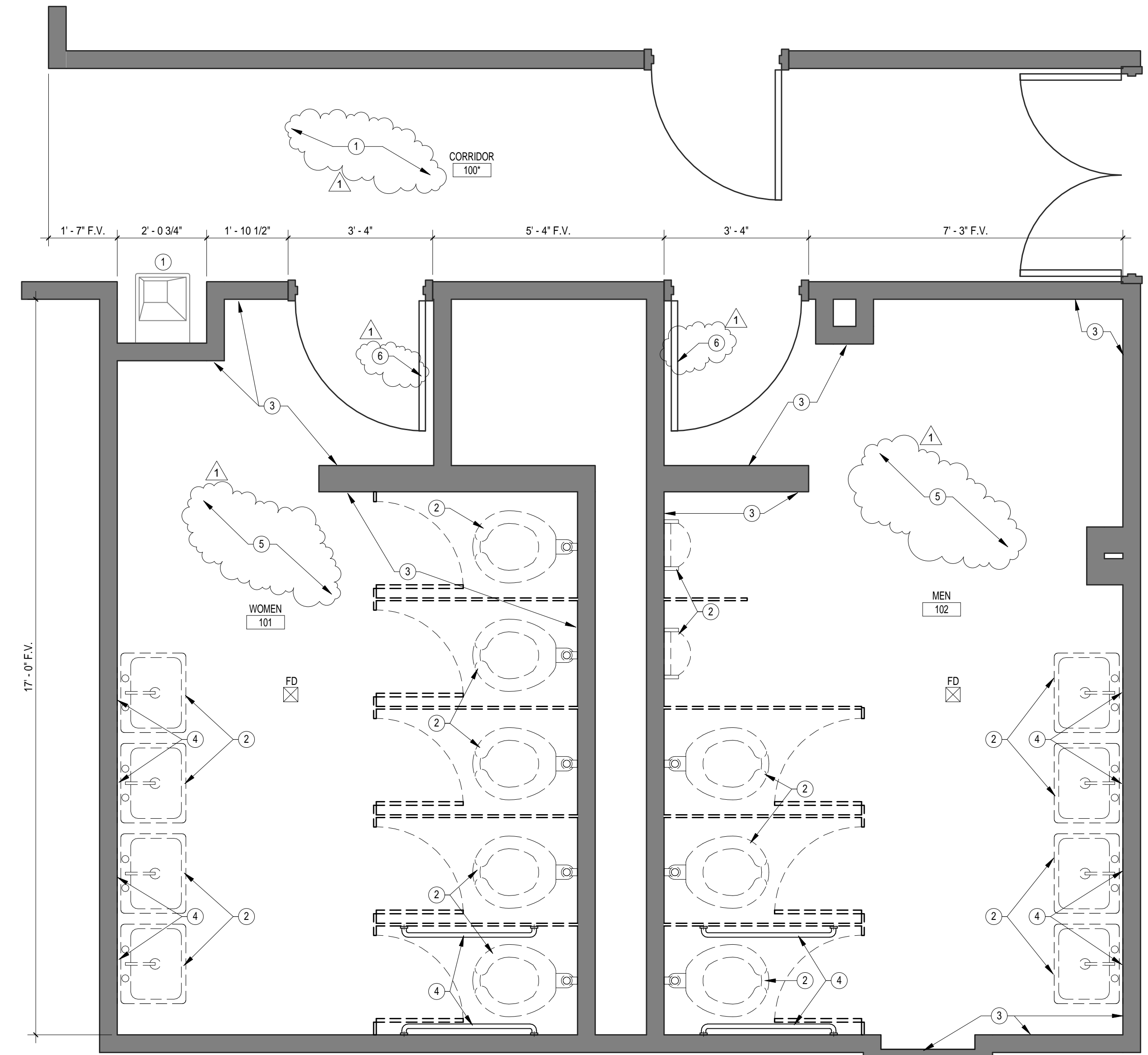
**KEYNOTES - FLOOR PLAN**

- EXISTING WATER FILLING STATION
- INFILL METAL STUDS AS REQUIRED FOR NEW FIXTURES. PROVIDE GYPSUM BOARD OR TILE BACKER BOARD, AND PREPARE WALL FOR NEW FINISH AS SCHEDULED.

**LEGEND - FLOOR PLAN**



SEE PARTITION TYPES FOR UL DESIGN NOS.

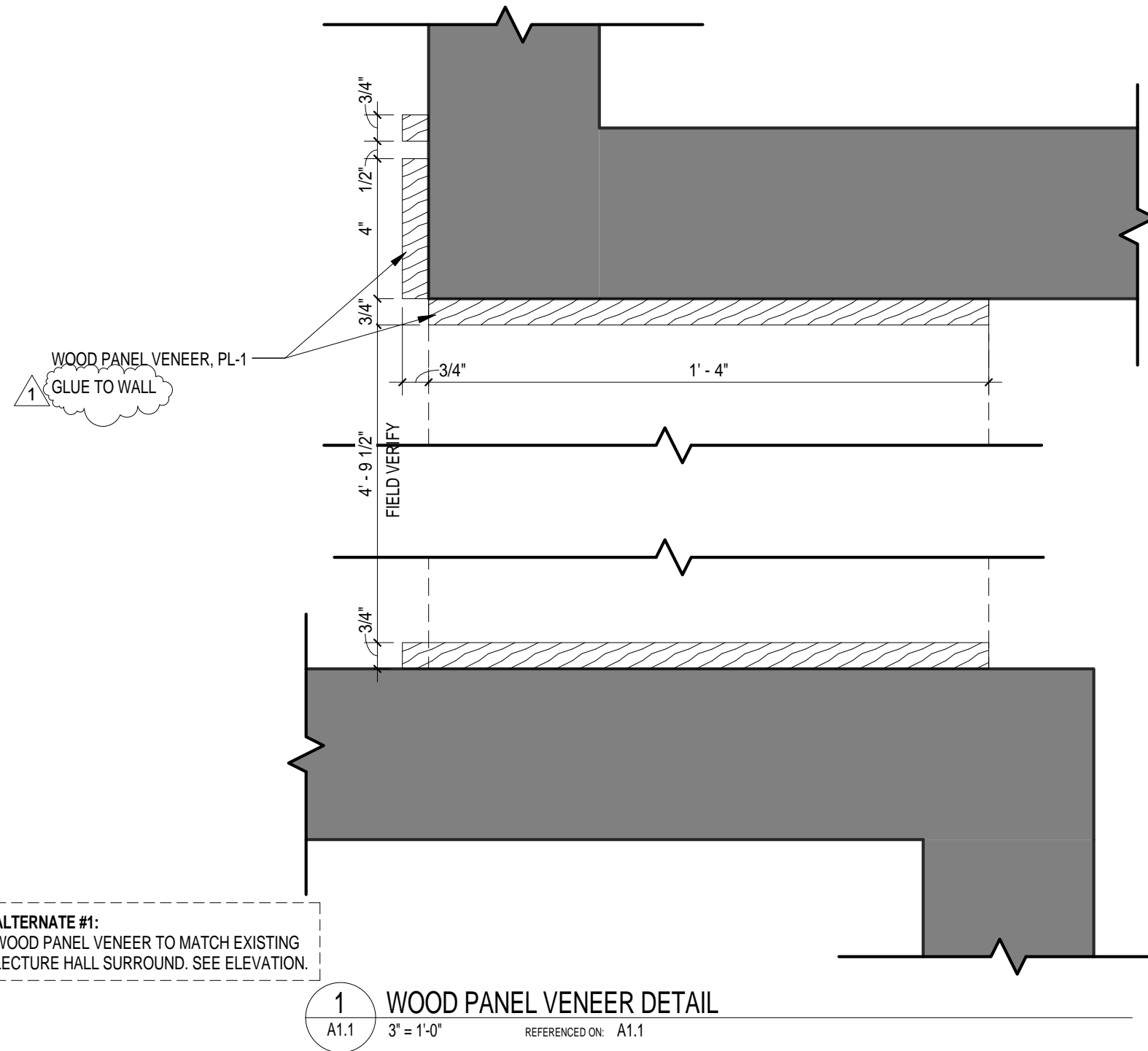
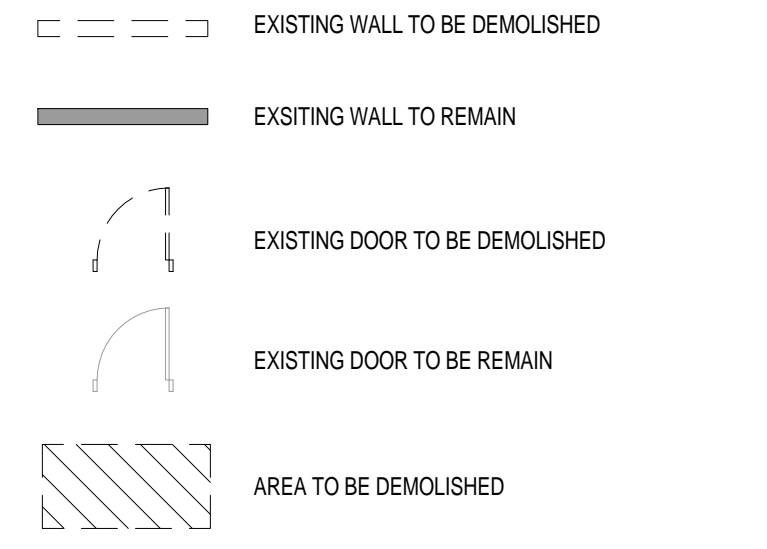


**5 TOILET DEMO PLAN**  
 1/2" = 1'-0"  
 REFERENCED ON: A1.1

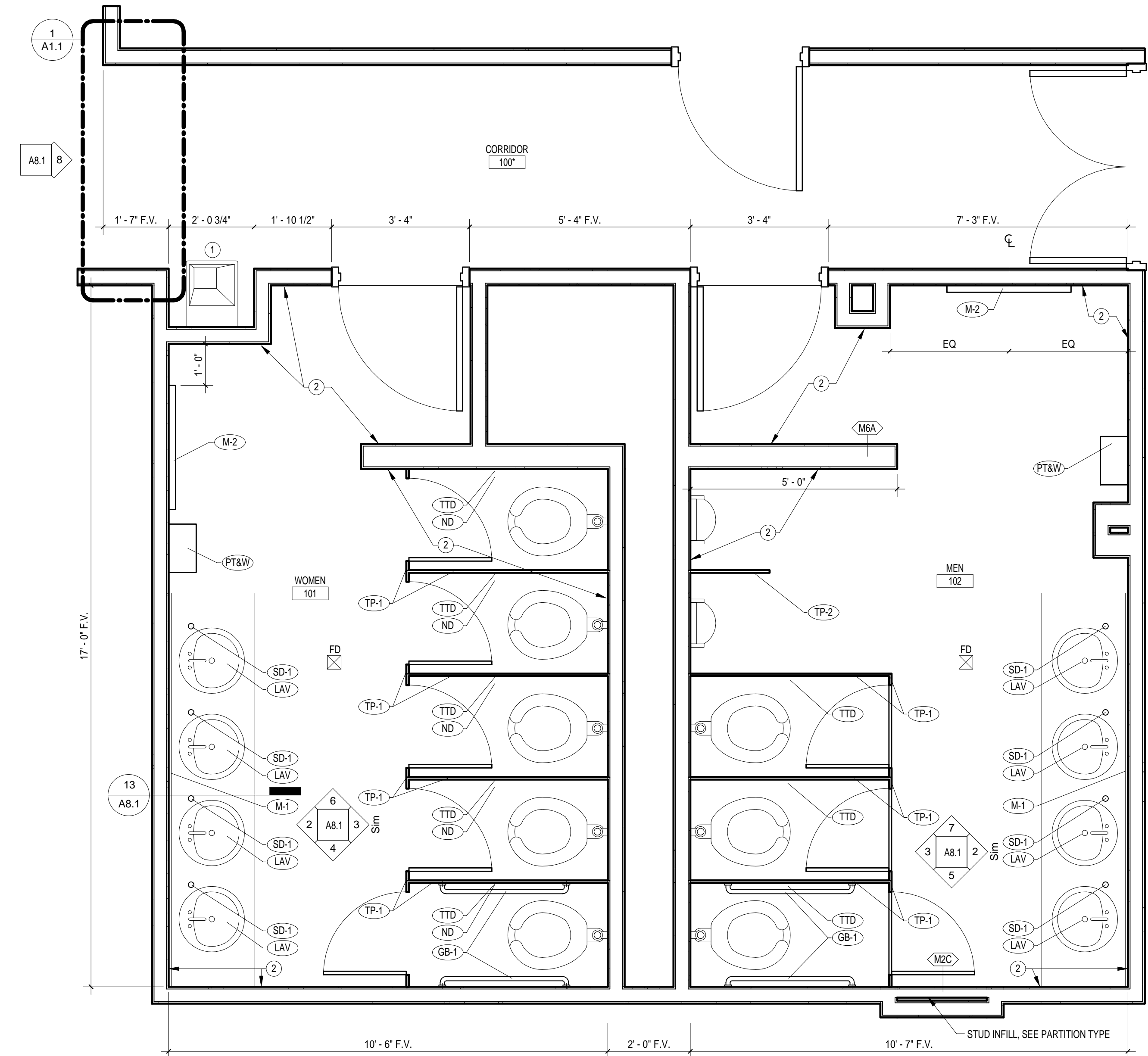
**KEYNOTES - DEMOLITION PLAN**

- PROTECT EXISTING VCT FLOORING, WATER FOUNTAIN, AND AREAS OUTSIDE OF PROJECT SCOPE.
- REMOVE EXISTING PLUMBING FIXTURES.
- REMOVE EXISTING PLASTER AND METAL LATHE BACKING TO EXPOSE WALLS' STRUCTURE.
- REMOVE EXISTING FRAMED MIRRORS, TOILET ACCESSORIES.
- REMOVE ALL FLOOR TILE AND MUD SETTING BED TO CONCRETE SLAB BELOW.
- REMOVE DOORS. REMOVE HARDWARE AND STORE FOR INSTALLATION ON NEW WOOD DOORS.

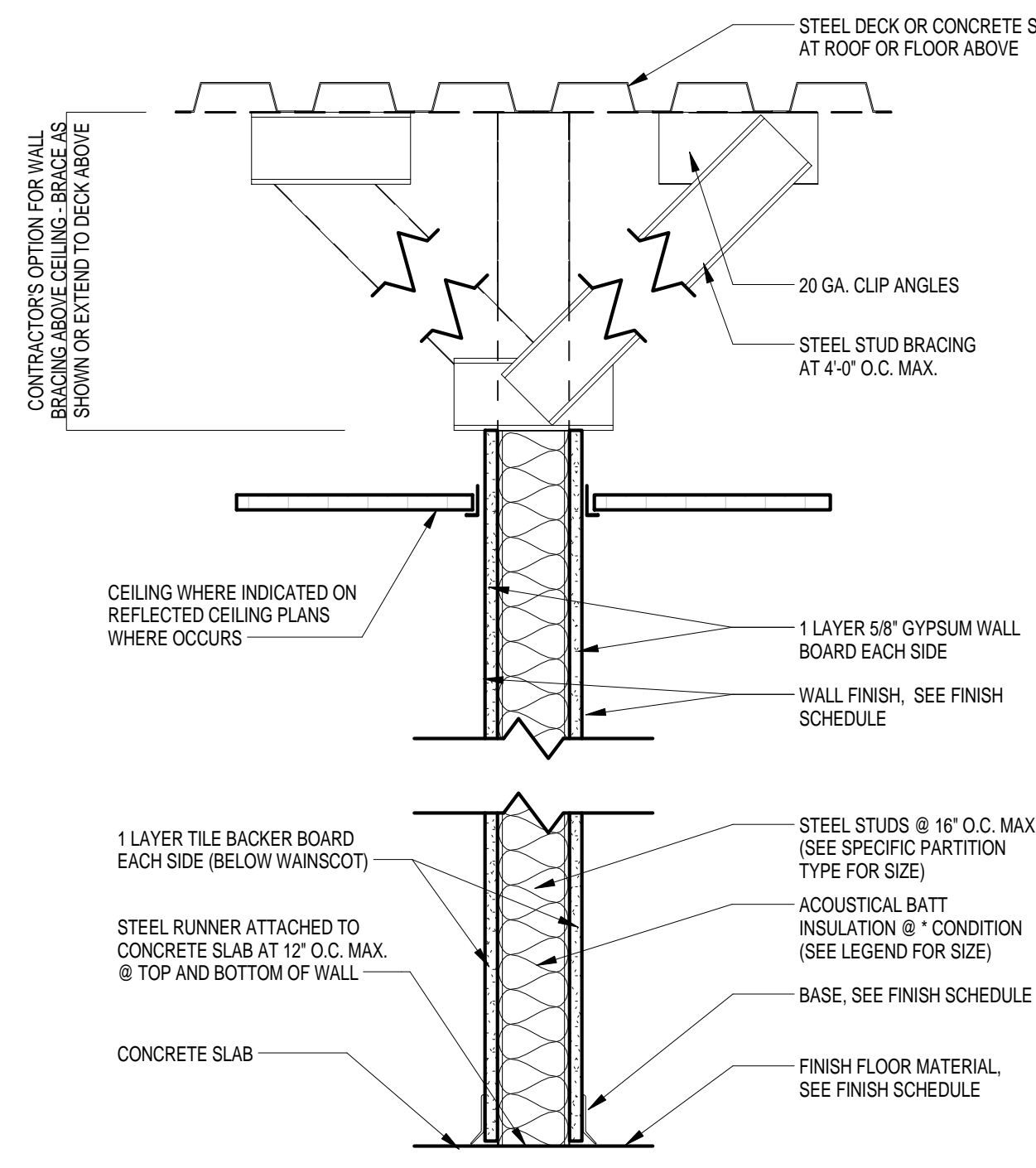
**LEGEND - DEMOLITION PLAN**



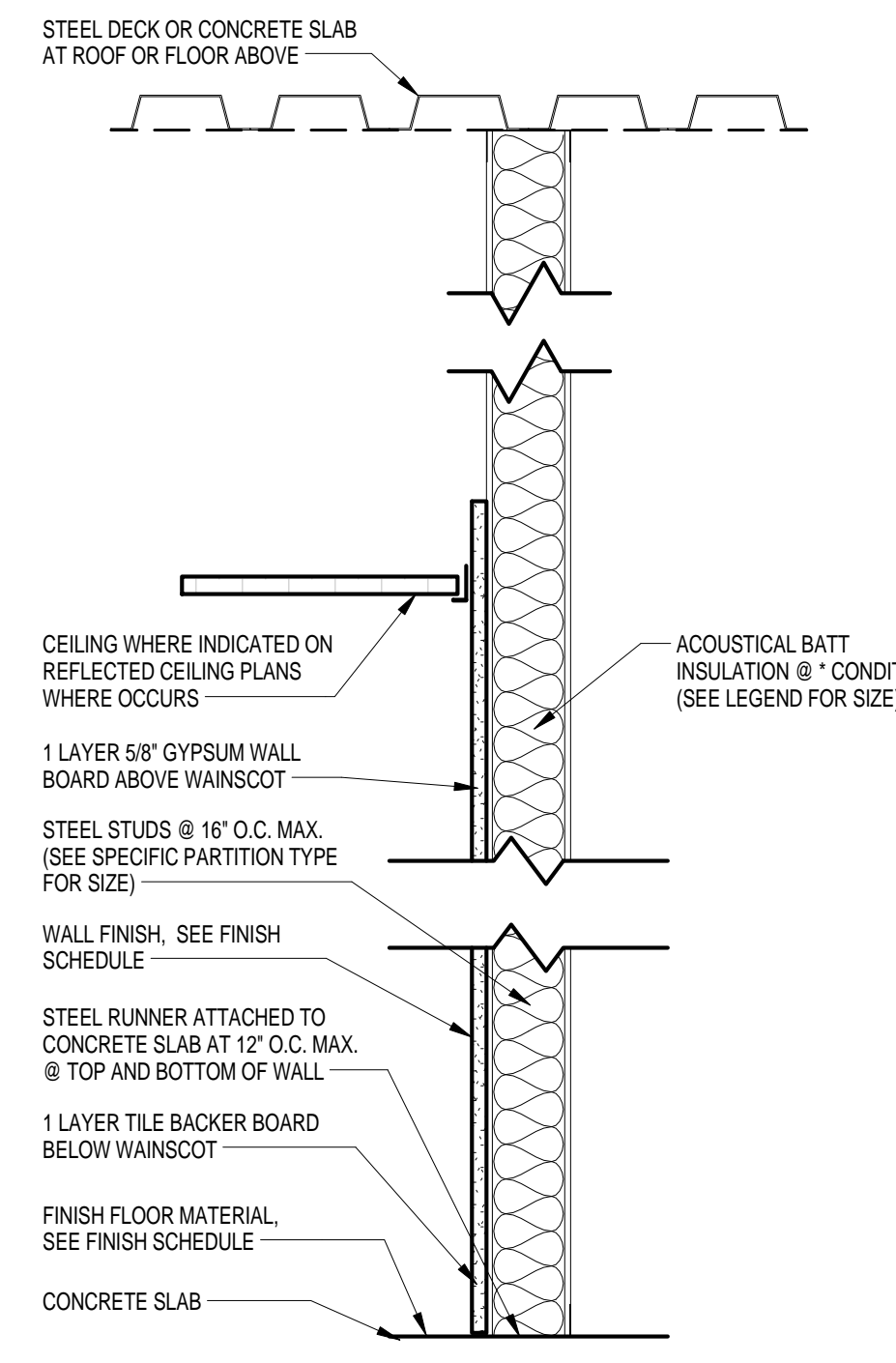
**1 WOOD PANEL VENEER DETAIL**  
 3/8" = 1'-0"  
 REFERENCED ON: A1.1



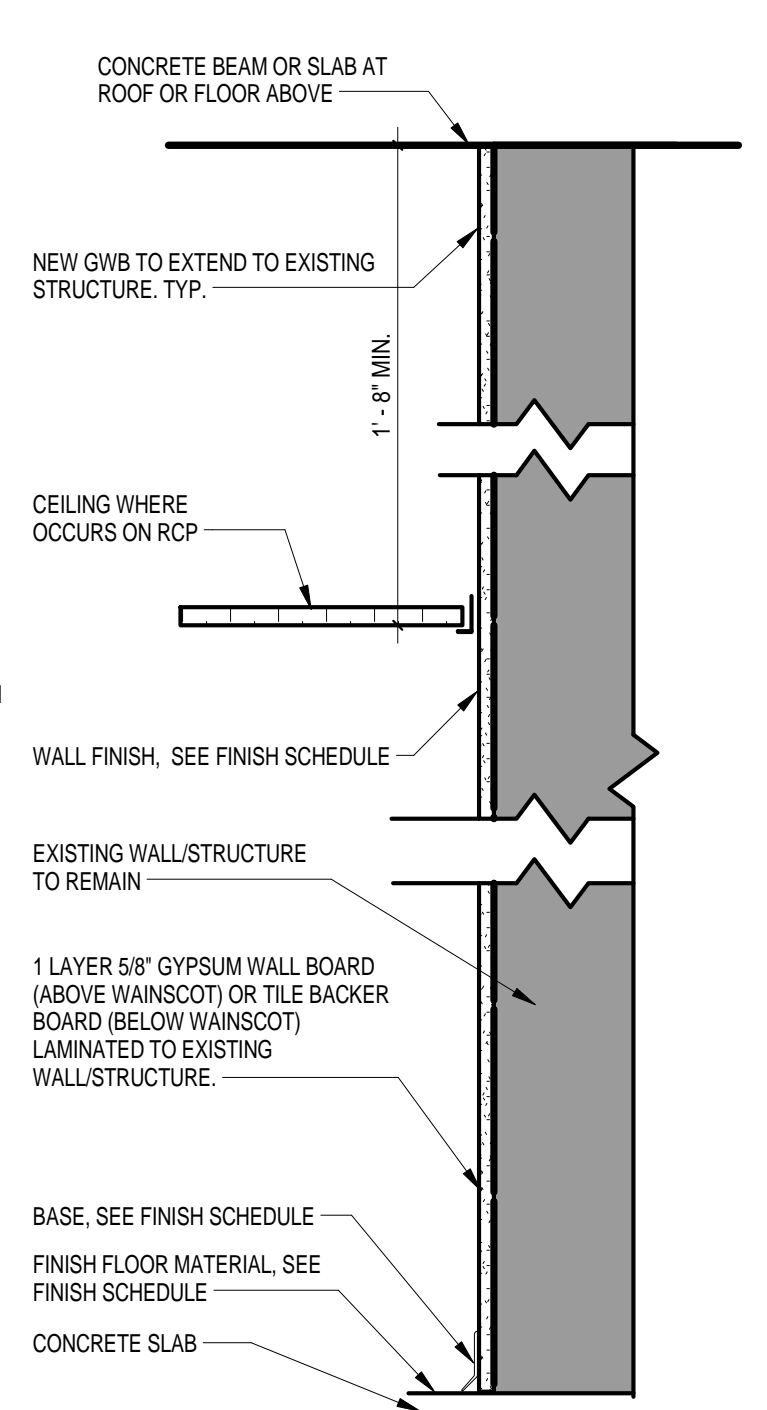
**2 ENLARGED TOILET PLAN**  
 1/2" = 1'-0"  
 REFERENCED ON: A1.1



**3 MhA**  
 1 1/2" = 1'-0"  
 REFERENCED ON: A1.1



**6 MhC**  
 1 1/2" = 1'-0"  
 REFERENCED ON: A1.1



**4 F-1**  
 1 1/2" = 1'-0"  
 REFERENCED ON: A1.1

**LEGEND - PARTITION TYPES**

MATERIAL	FINISH
MI 1 1/2" METAL STUD	CONSTRUCTION
MI 2 1/2" METAL STUD	SEE PARTITION DESIGNATION
MI 3 5/8" METAL STUD	
MI 4" METAL STUD	
MI 6" METAL STUD	
MI 8" METAL STUD	
W2 2X2" WOOD STUD	
W4 2X4" WOOD STUD	
W6 2X6" WOOD STUD	
W8 2X8" WOOD STUD	
C4 4" CMU (5-8" NOM.)	
C8 8" CMU (7-8" NOM.)	
C12 12" CMU (11-8" NOM.)	
S2 2" C-H STUD (SHAFT WALL)	

**GENERAL NOTES - REFLECTED CEILING PLAN**

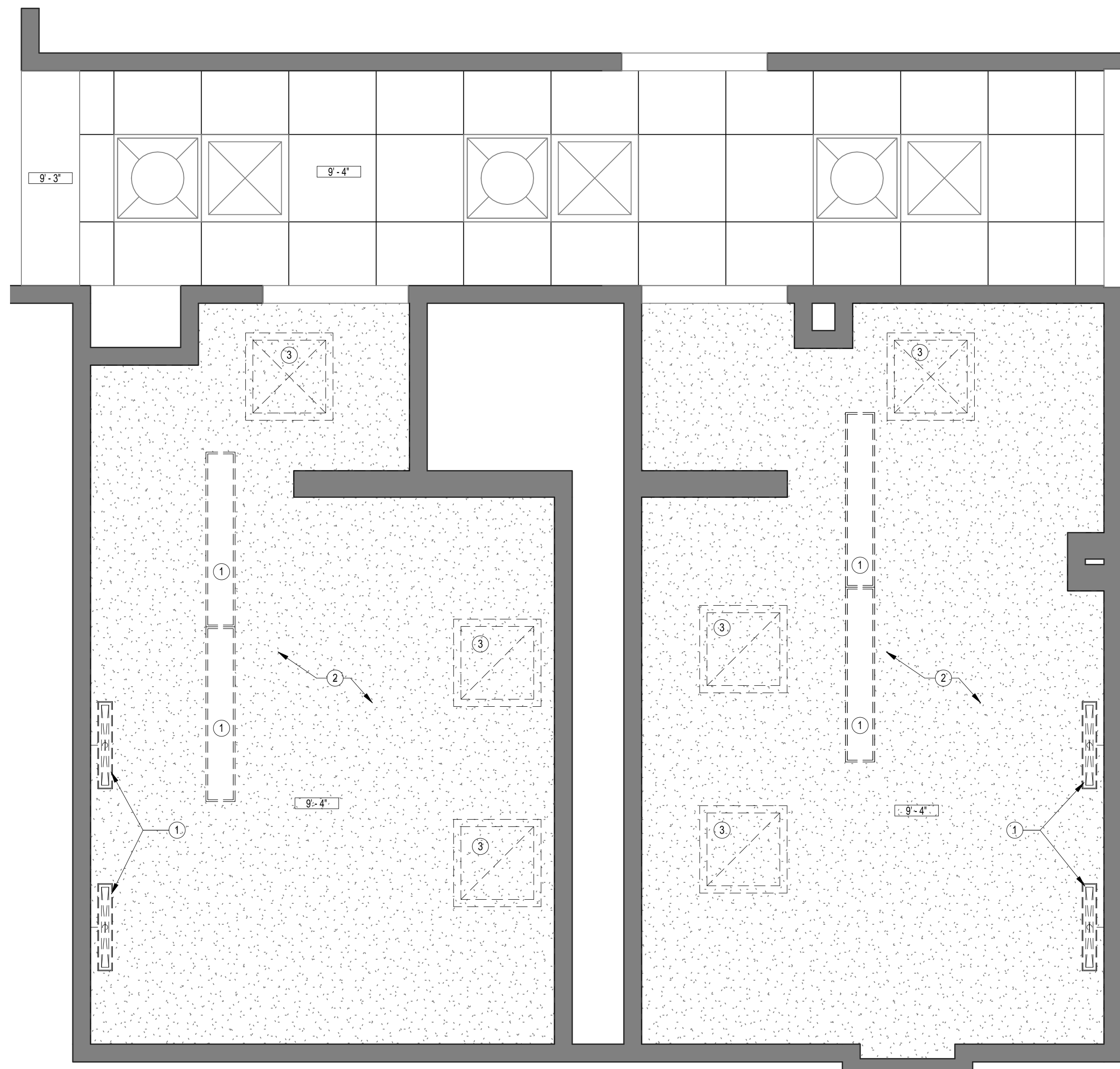
- REFER TO ELECTRICAL DRAWINGS FOR QUANTITY AND SPECIFIC FIXTURE DESIGNATIONS.
- ALL SUSPENDED ACOUSTICAL GRIDS ARE TO BE CENTERED IN CEILING ROOM AS SHOWN, UNLESS NOTED OTHERWISE.
- CEILING MOUNTED EQUIPMENT, DEVICES, FIXTURES & GRILLS MUST BE COORDINATED ON REFLECTED CLG. PLANS. CEILING MOUNTED SPRINKLERS TO BE LOCATED IN CENTER OF CEILING TILE IN APC CEILINGS AND ALIGN WITH DOWNLIGHTS IN GWB CEILINGS.
- PAIN ALL EXPOSED STRUCTURE/CEILING AREA, INCLUDING ROOF DECK, STEEL STRUCTURE, DUCTWORK, PLUMBING LINES, FIRE SUPPRESSION LINES, ELEC. CONDUITS & BOXES AND OTHER NON-FINISHED ITEMS, EXCEPT IN MECHANICAL ROOMS, ELECTRICAL ROOM, ELEVATOR MACHINE ROOMS, AND TEL/DATA ROOMS, UNLESS NOTED OTHERWISE ON FINISH SCHEDULES AND INTERIOR ELEVATIONS.
- ACCESS PANELS BY GENERAL CONTRACTOR. QUANTITY OF ACCESS PANELS SHOWN ON ARCHITECTURAL DRAWINGS NOT INTENDED TO BE ALL INCLUSIVE; SEE MECHANICAL DRAWINGS, PLUMBING DRAWINGS, ELECTRICAL DRAWINGS, AND FIRE PROTECTION SHOP DRAWINGS FOR ADDITIONAL ACCESS PANELS. NOT SHOWN, COORDINATE EXACT LOCATION OF ACCESS PANELS NOT SHOWN WITH ARCHITECT. BRING ALL MECHANICAL AND PLUMBING ITEMS WHICH NEED ACCESS TO THE ACCESS PANEL LOCATIONS SHOWN. BRING THE NEED FOR ADDITIONAL ACCESS PANELS TO THE ARCHITECT'S ATTENTION BEFORE PROCEEDING.
- PAIN ALL EXPOSED STEEL LINTELS, ANGLES AND PLATES, AND CONCRETE BEAMS.
- REFERENCE ELECTRICAL DRAWINGS FOR FULL EXTENT OF ELECTRICAL CEILING AND WALL MOUNTED DEVICES.

**KEYNOTES - REFLECTED CEILING DEMO PLAN**

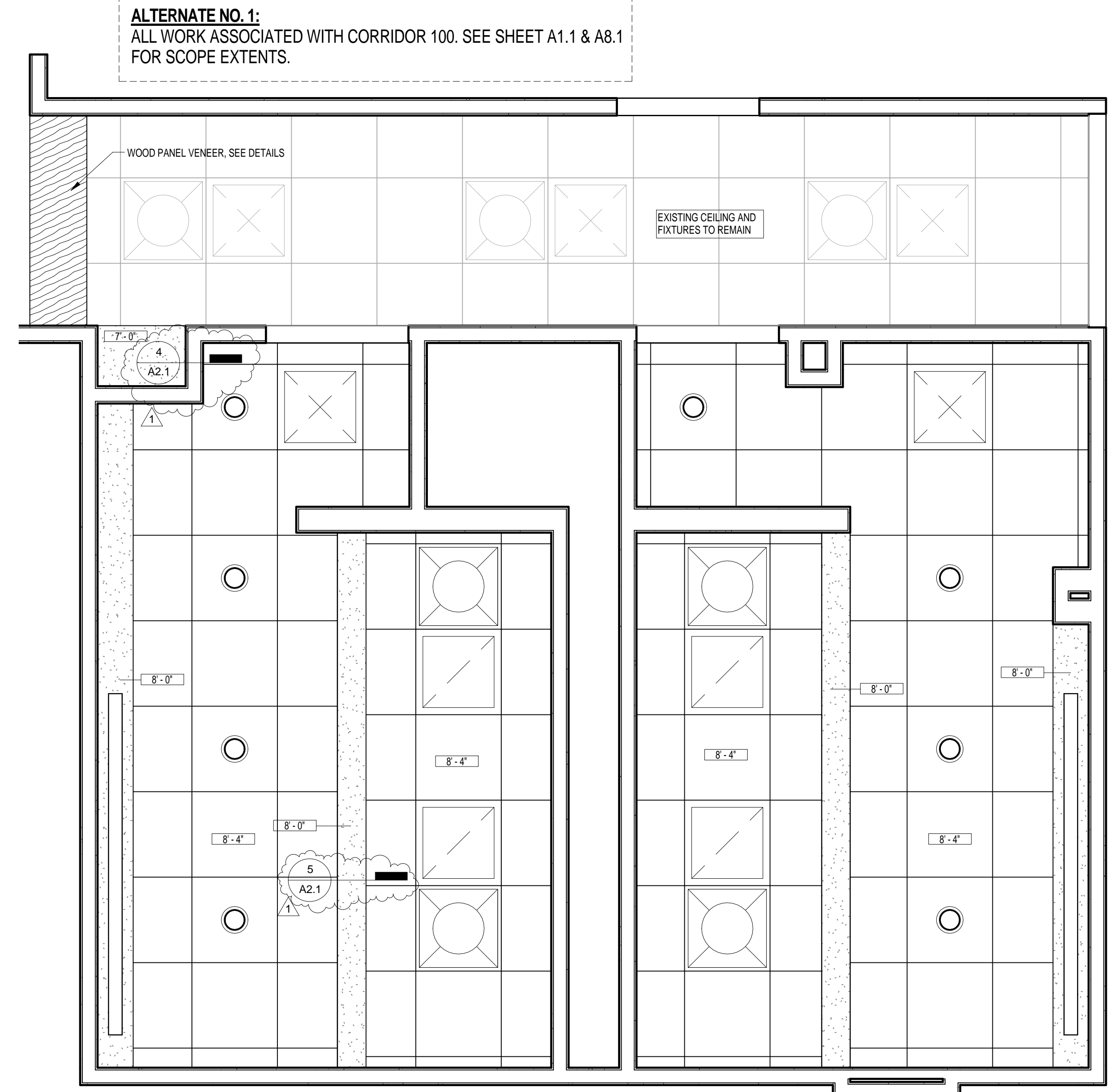
- EXISTING LIGHT FIXTURE TO BE REMOVED.
- PROTECT EXISTING CEILING. PROTECT EXISTING FIRE PROTECTION EQUIPMENT FOR RELOCATION.
- EXISTING HVAC GRILL TO BE REMOVED. PROTECT EXISTING DUCTWORK THROUGHOUT DEMO.

**LEGEND - REFLECTED CEILING PLAN**

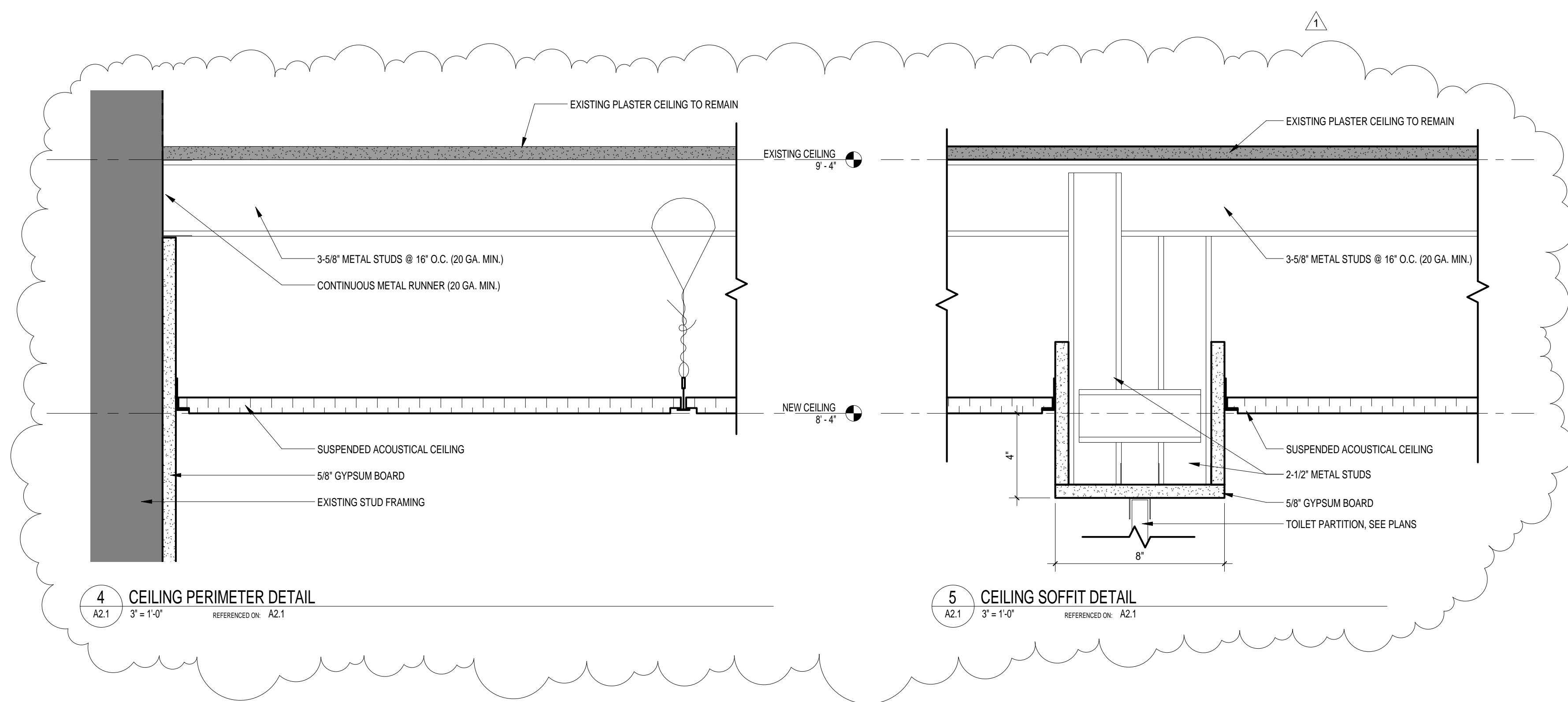
- EXHAUST FAN
- SUPPLY & RETURN MECHANICAL DIFFUSERS
- LINEAR SLOT DIFFUSER
- FLOURESCENT FIXTURES
- RECESSED LED DOWNLIGHT
- WALL MOUNTED FIXTURES
- STRIP FLOURESCENT FIXTURE
- PENDANT LIGHT
- EXIT LIGHTS - SEE ELECTRICAL DRAWINGS FOR LOCATIONS
- GYPSUM BOARD CEILING
- ACOUSTICAL PANEL CEILING
- SHOWS CEILING HEIGHTS RELATIVE TO MAIN 0'-0" FINISHED FLOOR ELEVATION



**1** FIRST FLOOR REFLECTED CEILING DEMOLITION PLAN  
A2.1 1/2" = 1'-0" REFERENCE: A8.1

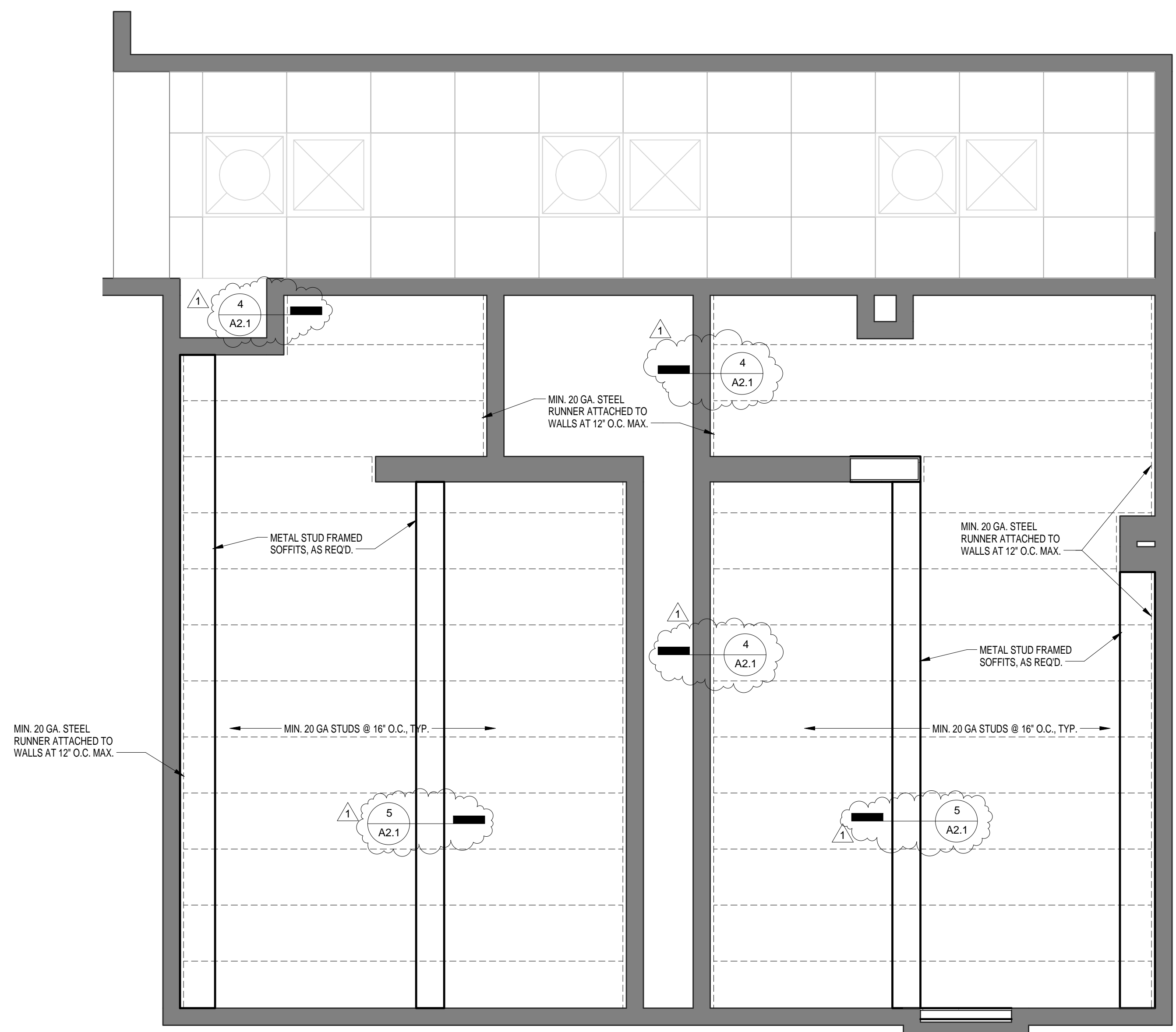


**2** FIRST FLOOR REFLECTED CEILING PLAN  
A2.1 1/2" = 1'-0" REFERENCE: A8.1

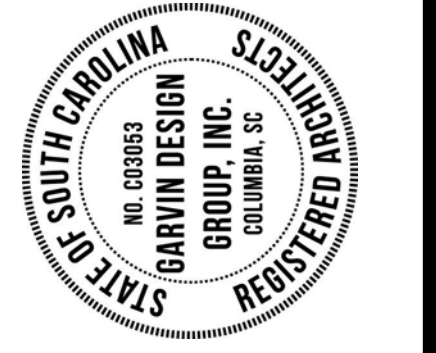


**4** CEILING PERIMETER DETAIL  
A2.1 3" = 1'-0" REFERENCE: A2.1

**5** CEILING SOFFIT DETAIL  
A2.1 3" = 1'-0" REFERENCE: A2.1



**3** CEILING FRAMING PLAN  
A2.1 1/2" = 1'-0" REFERENCE: A8.1



**LOBBY RESTROOMS REFURBISHMENT**

808 Barnwell Street  
Columbia, SC 29201

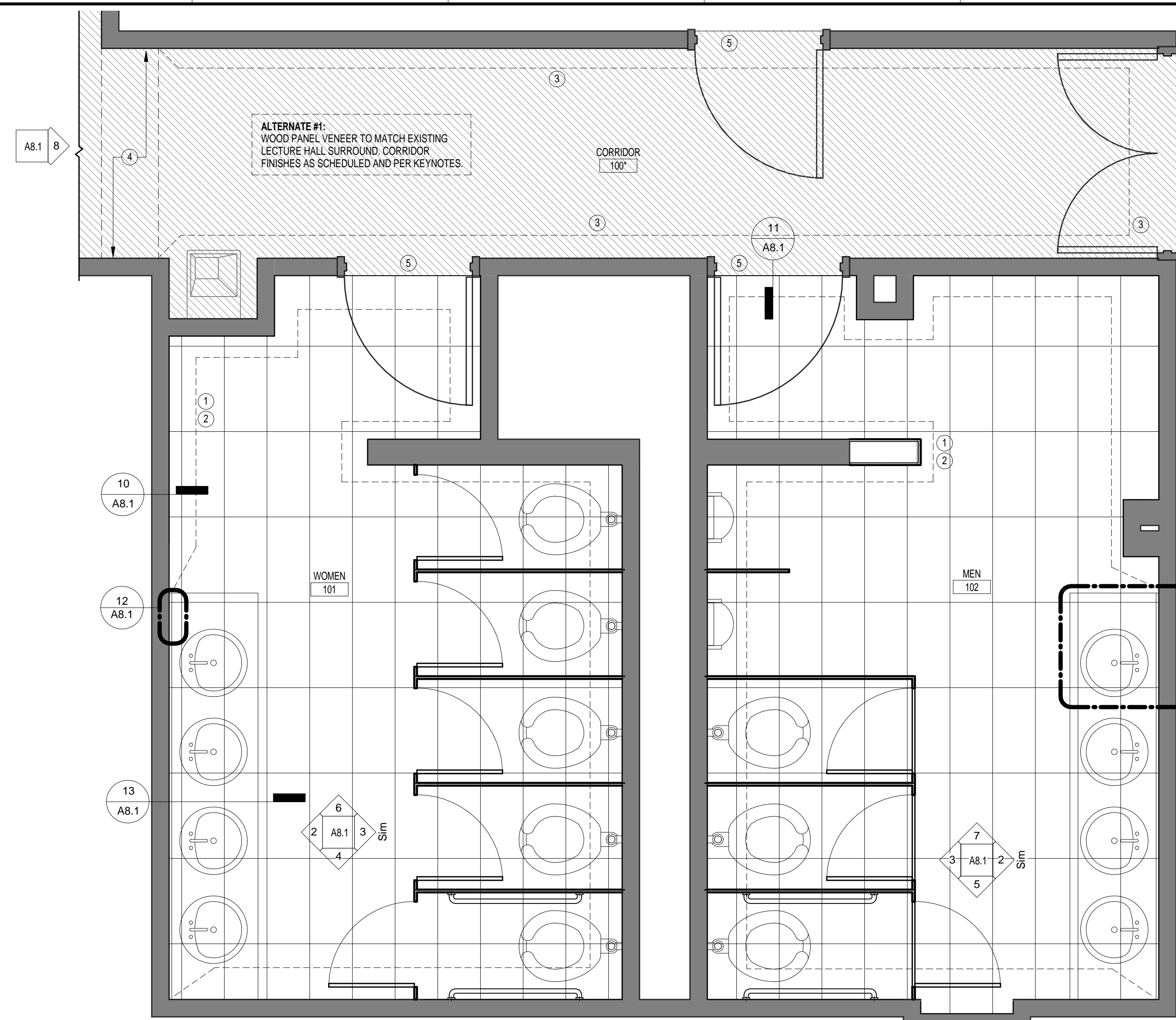
NO.	REVISIONS	DATE
1	ADDENDUM 1	5.20.14

DRAWN BY:	AUTHOR:
CHECKED BY:	CHECKER:

**REFLECTED CEILING PLANS**

PROJECT NO.	DRAWING NO.
1031.14	A2.1
DATE	DATE
05.06.14	





1 FIRST FLOOR FINISH PLAN  
A8.1 1/2" = 1'-0" REFERENCE ON: A8.1

GENERAL NOTES - INTERIOR FINISHES

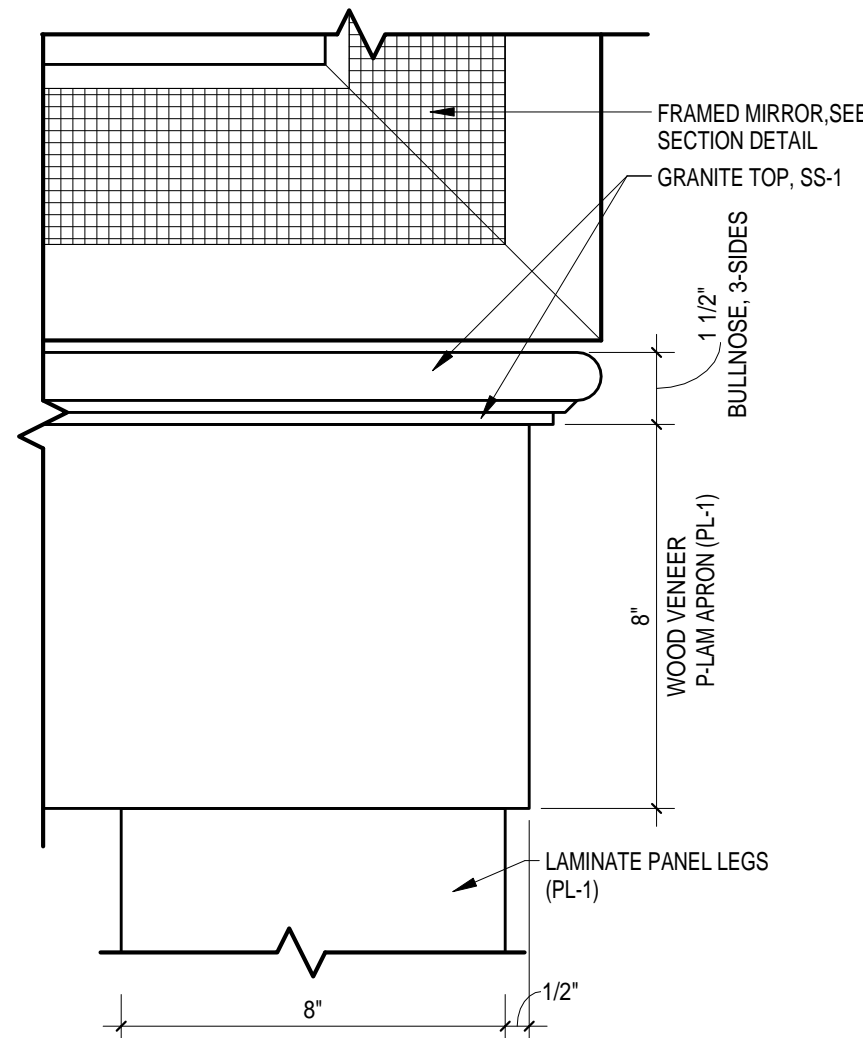
- A. WHERE SPECIFIC PRODUCTS ARE INDICATED, ITEM DESIGNATION INCORPORATES QUALITY AND AESTHETIC APPEARANCE FOR BASIS OF DESIGN. SEE SPECIFICATIONS FOR EQUAL MANUFACTURERS PER PRODUCT TYPE INDICATED. DEPENDING ON LOCATION OF ITEM, ALTERNATES SHALL MATCH IN COLOR, TEXTURE, AS WELL AS PERFORMANCE CRITERIA, PER ARCHITECT'S APPROVAL.
- B. ALL PAINT COLOR SELECTIONS SHALL BE FIELD VERIFIED WITH ARCHITECT IN LIGHTED CONDITIONS PRIOR TO FINAL INSTALLATION. SEE SPEC. RE: MOCK-UPS.
- C. REFERENCE REFLECTED CEILING PLANS FOR EXTENT/LOCATION OF CEILING FINISH DESIGNATIONS, FANS AND SAIL LOCATIONS.
- D. SEE FINISH PLANS AND/OR ENLARGED INTERIOR PLANS & ELEVATIONS FOR EXTENT OF SPECIFIC FINISH DESIGNATIONS.
- E. FINISH COLUMNS IN OPEN AREAS TO MATCH ADJACENT WALLS, UNLESS NOTED OTHERWISE.
- F. SEE SILL DETAILS, FLOORING SPECIFICATIONS AND FINISH SCHEDULE FOR TRANSITION STRIPS.

KEYNOTES - FINISH PLAN

- 1 WALLCOVERING ABOVE TILE WANSCOT TO FULL HEIGHT. SEE ELEVATIONS.
- 2 CERAMIC TILE (CT-1) FLOORING AND WANSCOT, TYPICAL. SEE ELEVATIONS AND FINISH PLAN.
- 3 NEW WALLCOVERING @ CORRIDOR WALLS INSTALLED OVER EXISTING W.C., 3 DOORS REFINISHED TO MATCH EXISTING (8 NORTH, EAST WALLS). PAINT FRAMES (P-1), NEW BASE FOR EXTENTS SHOWN, SEE FINISH PLAN.
- 4 NEW WOOD PANEL VENEER (WD/PL-1), SEE ELEVATION.
- 5 NEW STAINED WOOD DOOR.

SCHEDULED INTERIOR FINISHES

ABBREVIATION	DESCRIPTION	MANUFACTURER, COLOR, STYLE
BASE		
RB	RUBBER BASE	JOHNSONITE, RECESS PROFILE, #179 STEEL
FLOORS/WANSCOT		
CT-1	CERAMIC TILE	EMIL AMERICA - MARMO ACERO - PERLATO SCURO - 12X24"
CTG	CERAMIC TILE GROUT	ARDEX, STORMY MIST #25 OR APPD. EQUALLY
WALLS		
CT-2	MOSAIC TILE ACCENT	ELYSIUM ARTISTIC MOSAICS, SERIES: JEWEL COLOR, PRINCES
P-1	PAINT - "WARM GREY" TRIM	SEMI-GLOSS TO MATCH SHERWIN WILLIAMS #7642 "PAVESTONE"
P-2	PAINT - "WHITE"	FLAT, TO MATCH SHERWIN WILLIAMS #7002 "DOWNY"
WC-1	T-ROOM WALLCOVERING	COLOR & DESIGN, SHIMMER WEAVE, #C02-SMW-02
WC-2	CORRIDOR WALLCOVERING	MAHARAM, TRAVERSE #39597, COLOR: 002 PRAIRIE
CEILING		
APC-1	ACOUSTICAL PANEL CEILING	ARMSTRONG MESA, OR APPROVED EQ., 2X2
GBF	GYPSON BOARD CEILING	PAINT TO MATCH P-2
CASEWORK		
PL-1	PLASTIC LAMINATE STD.	FORMICA #8949-S8 NATURAL TEAK
WD-1	WOOD LAMINATE VENEER	STAINED TO MATCH FORMICA LAMINATE
ST-1	STONE COUNTERTOP	GRANITE-DELICATUS
MISC.		
MT	MARBLE THRESHOLD	CARRERA MARBLE TRANSITION STRIP. SEE SPEC.
WM-1	WALL MOULDING	BEDROSJANS, LAGOS AZUL, 2"X12" CHAIR RAIL
WM-2	WALL MOULDING	BEDROSJANS, LAGOS AZUL, 3/4"X12" CANE
MF	METAL FRAMES AND TRIM, PAINTED, P-1, SEMI-GLOSS	
SSTR	SOLID SURFACE TOILET PARTITIONS	CORIAN SERENE SAGE 1/1
WD	WOOD DOORS	WOOD DOORS, REFINISHED, STAINED TO MATCH ARCHITECT'S SAMPLE

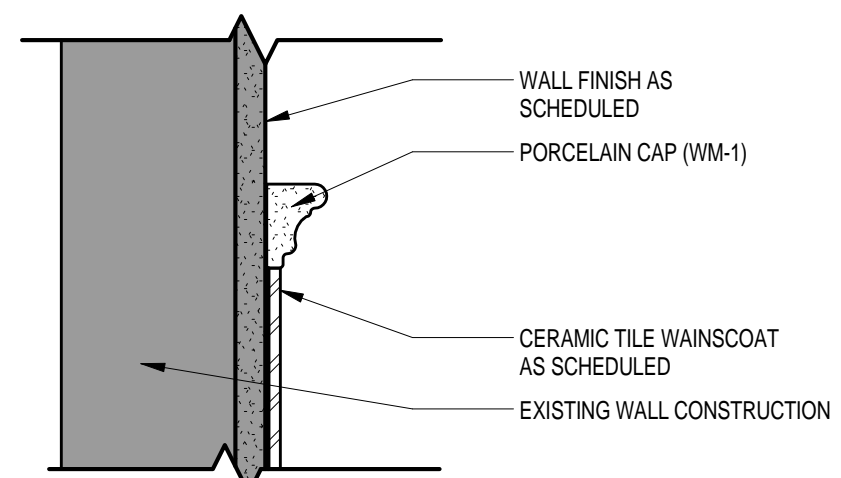


9 TYPICAL VANITY DETAIL  
A8.1 3" = 1'-0" REFERENCE ON: A8.1

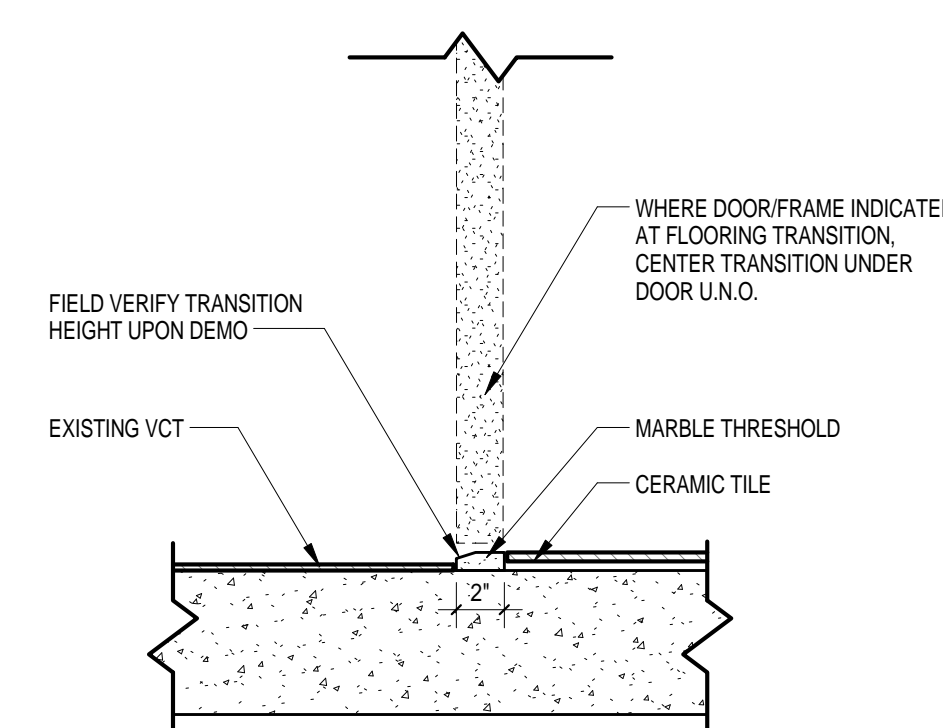
\*ALTERNATE NO. 1-ALL FINISHES @CORRIDOR 101  
\*\*FINISH ORIENTATION IS PLAN NORTH

FINISH SCHEDULE - FIRST FLOOR

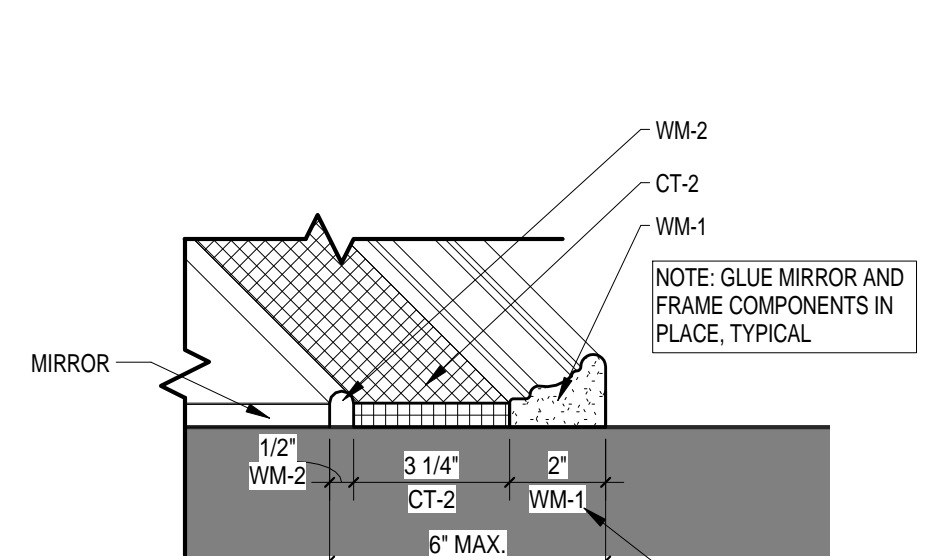
ROOM NO.	ROOM NAME	BASE	FLOOR	WALL FINISH NORTH	WALL FINISH EAST	WALL FINISH SOUTH	WALL FINISH WEST	CEILING
100*	CORRIDOR	RB-1	EX VCT	WC-2	WC-2	WC-2	WC-2	EX.WD
101	WOMEN	CT-1	CT-1	CT-1,WC-1	CT-1,WC-1	CT-1,WC-1	CT-1,WC-1	APC-1, GB/P-2
102	MEN	CT-1	CT-1	CT-1,WC-1	CT-1,WC-1	CT-1,WC-1	CT-1,WC-1	APC-1, GB/P-2



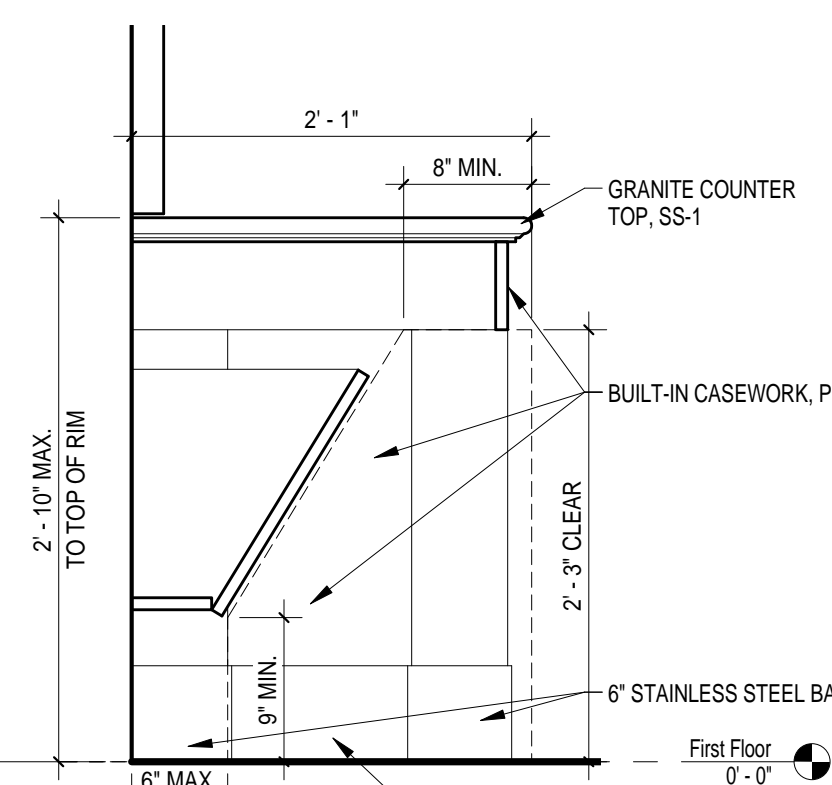
10 ENLARGED DETAIL - STONE MOUNDING  
A8.1 3" = 1'-0" REFERENCE ON: A8.1



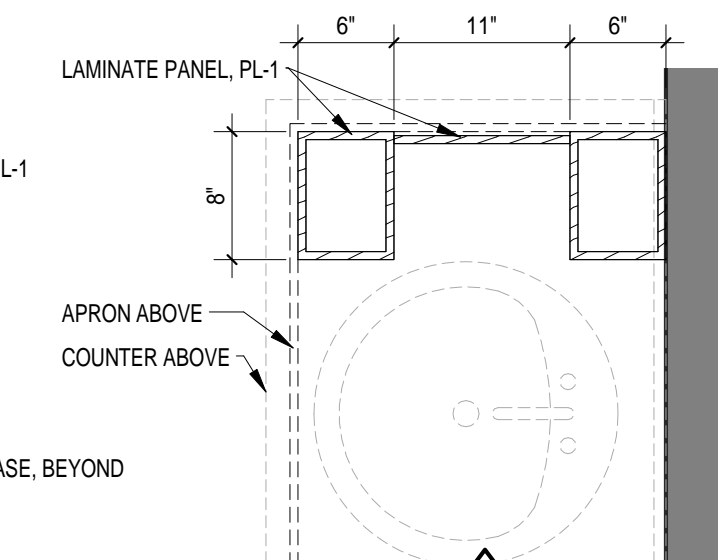
11 FT1  
A8.1 1 1/2" = 1'-0" REFERENCE ON: A8.1



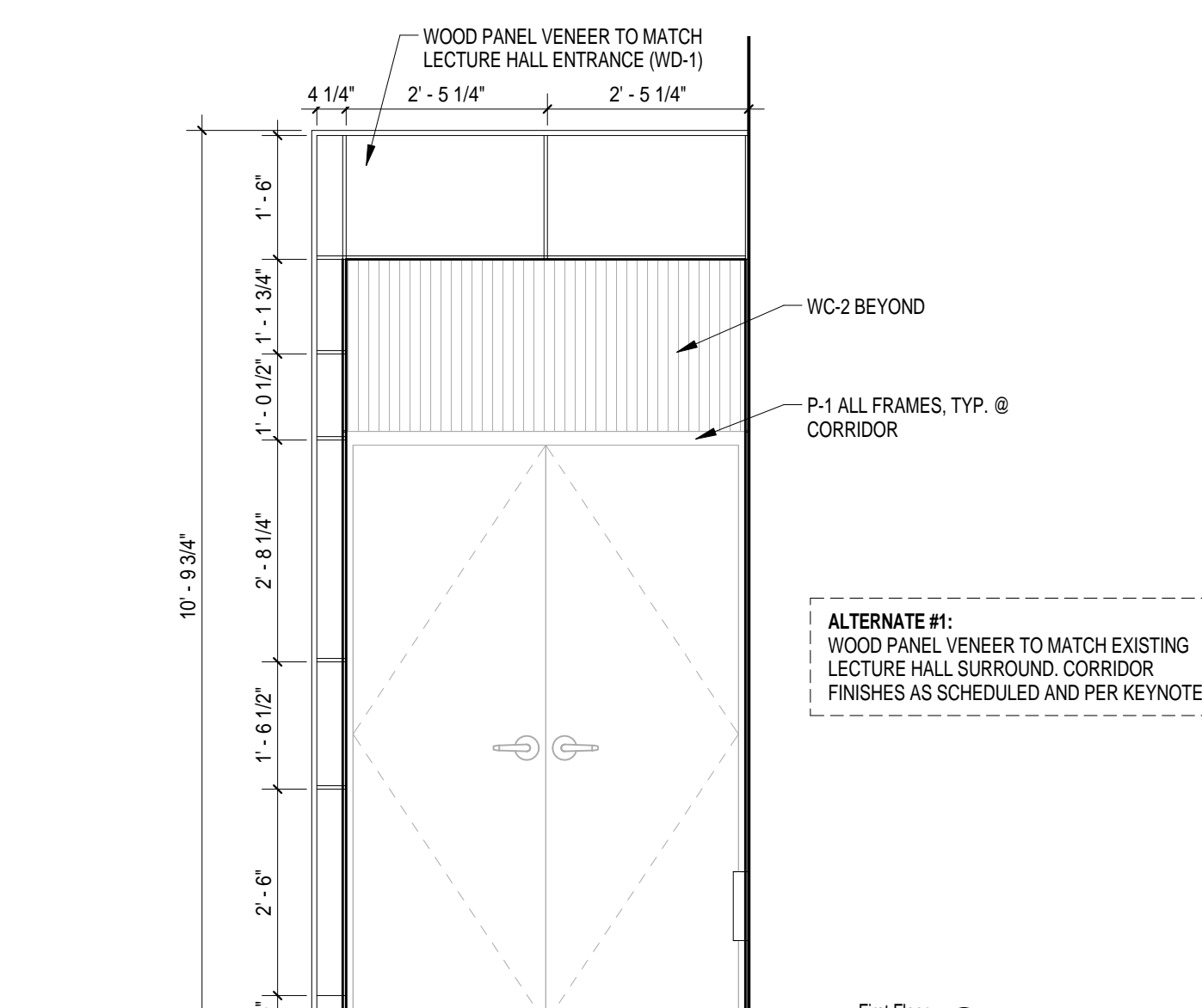
12 VANITY MIRROR DETAIL  
A8.1 3" = 1'-0" REFERENCE ON: A8.1



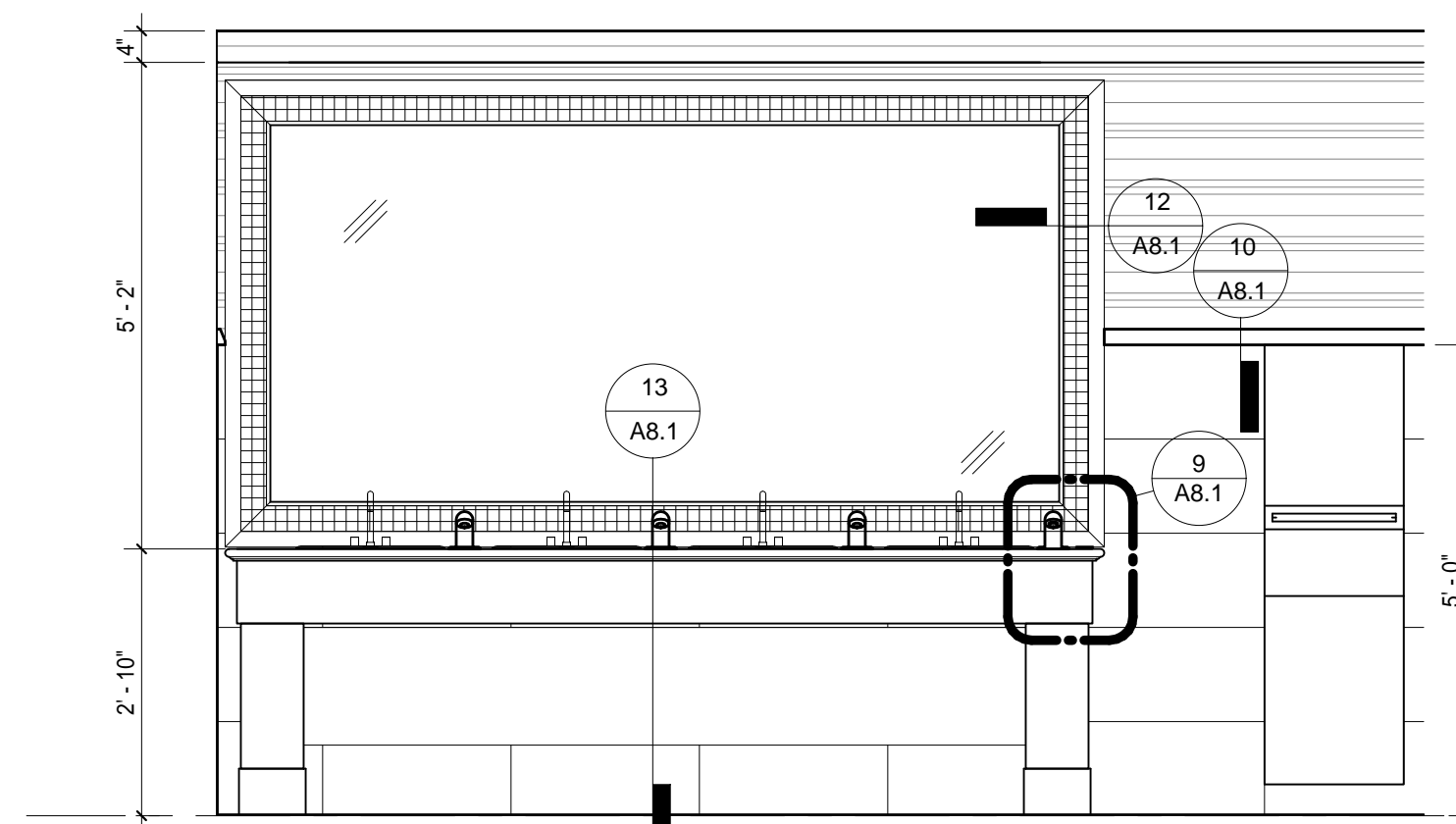
13 VANITY DETAIL  
A8.1 1" = 1'-0" REFERENCE ON: A1.1



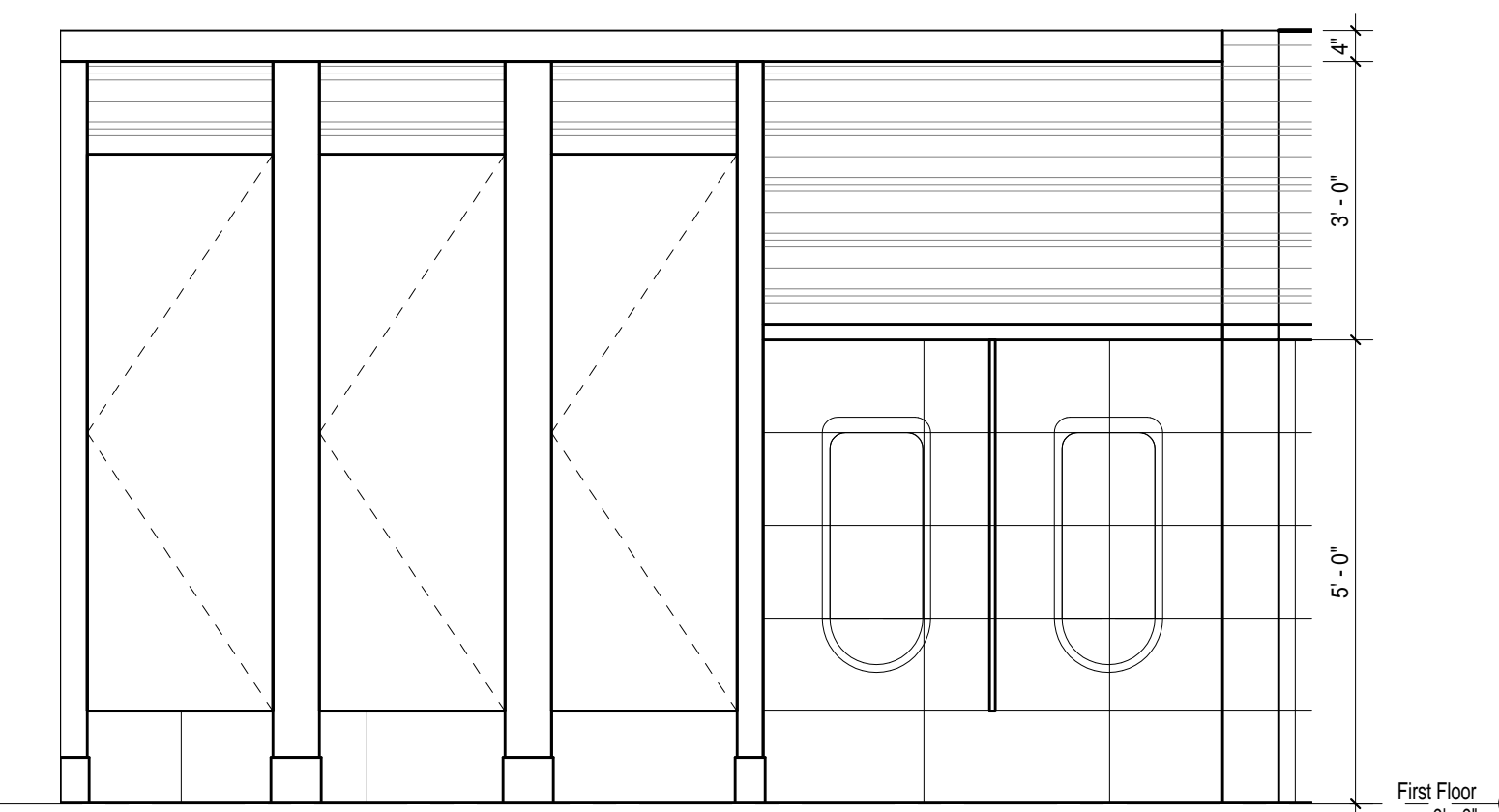
14 VANITY PLAN DETAIL  
A8.1 1" = 1'-0" REFERENCE ON: A8.1



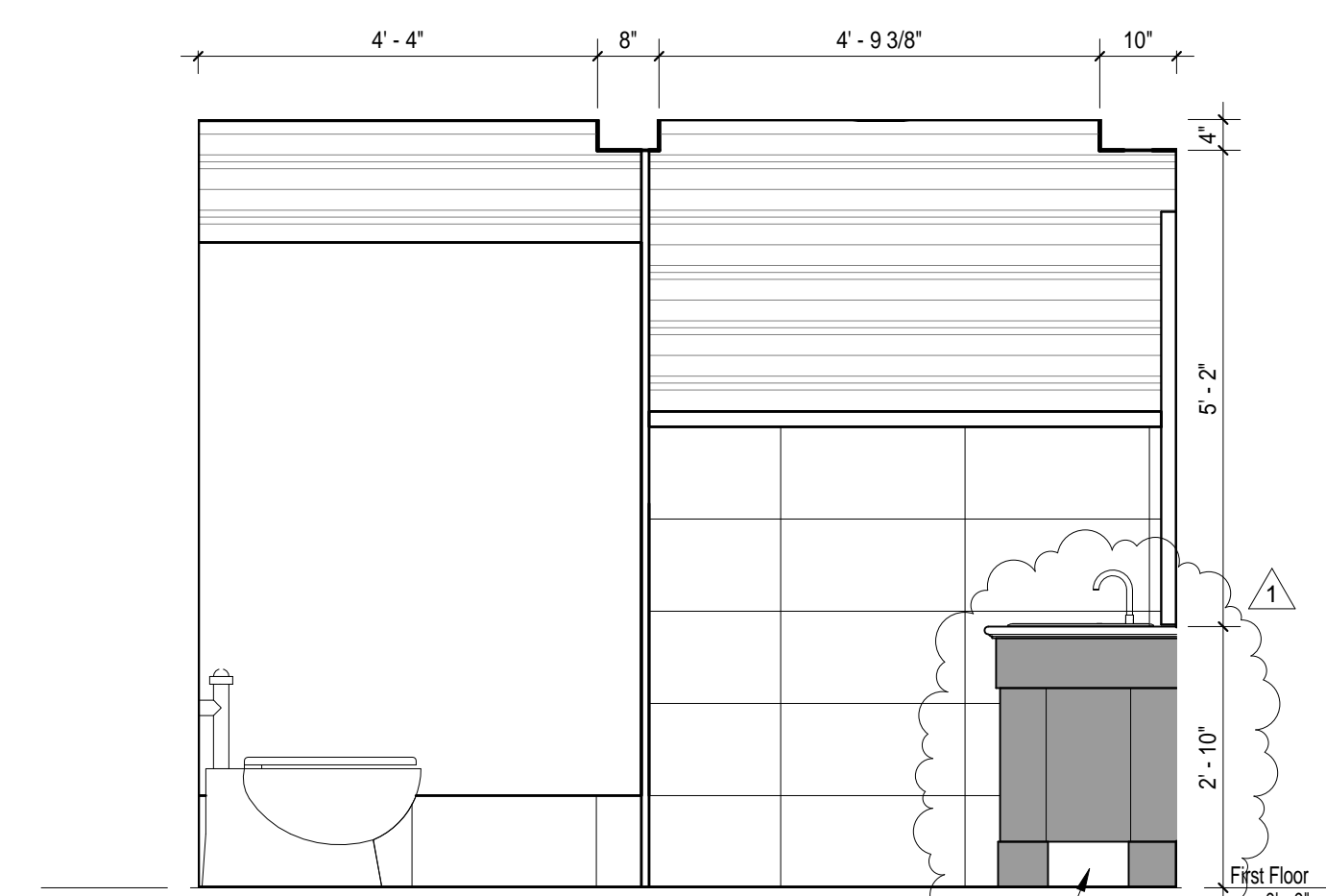
8 CORRIDOR ENTRY ELEVATION  
A8.1 1/2" = 1'-0" REFERENCE ON: A1.1



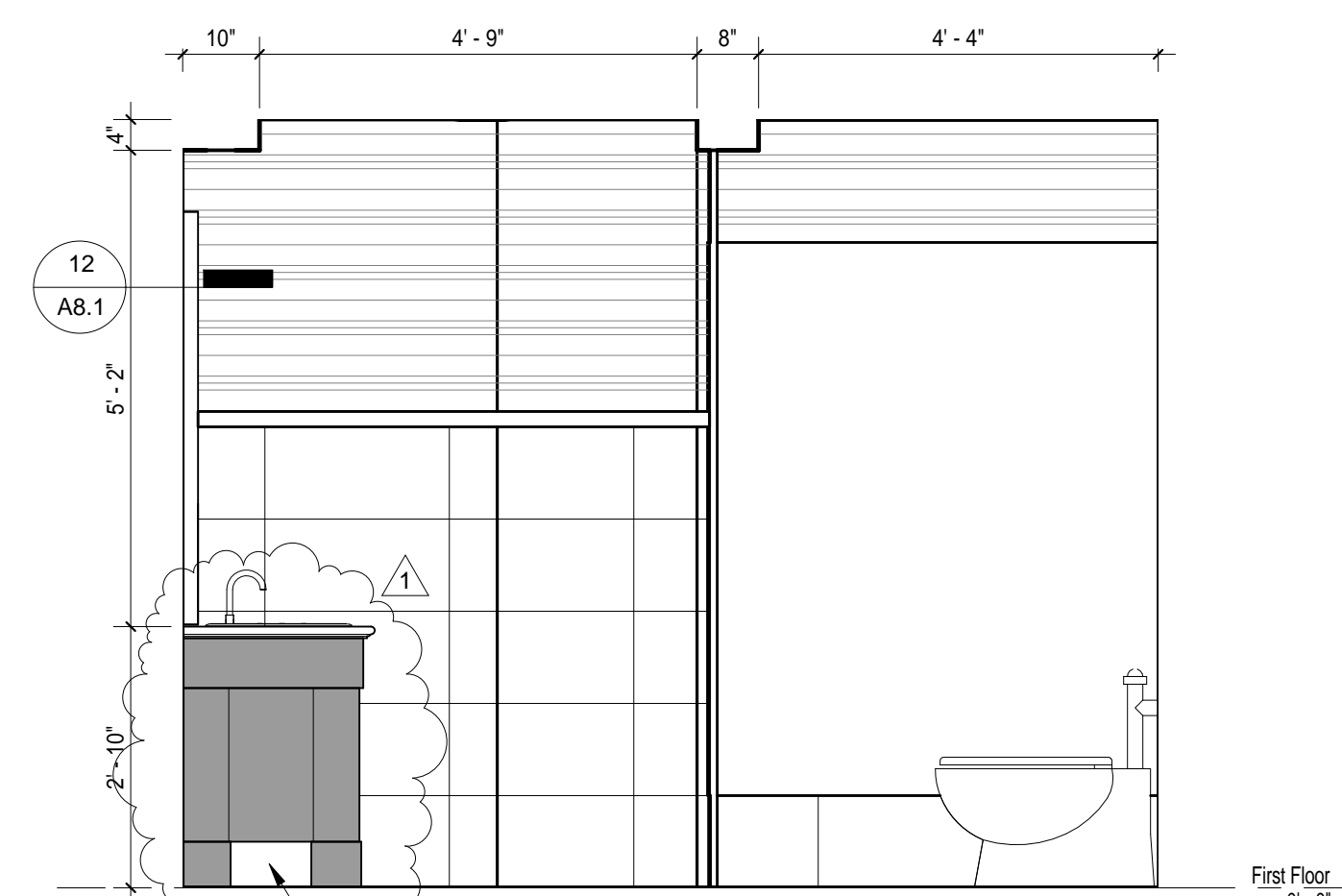
2 TYPICAL VANITY ELEVATION  
A8.1 1/2" = 1'-0" REFERENCE ON: A1.1



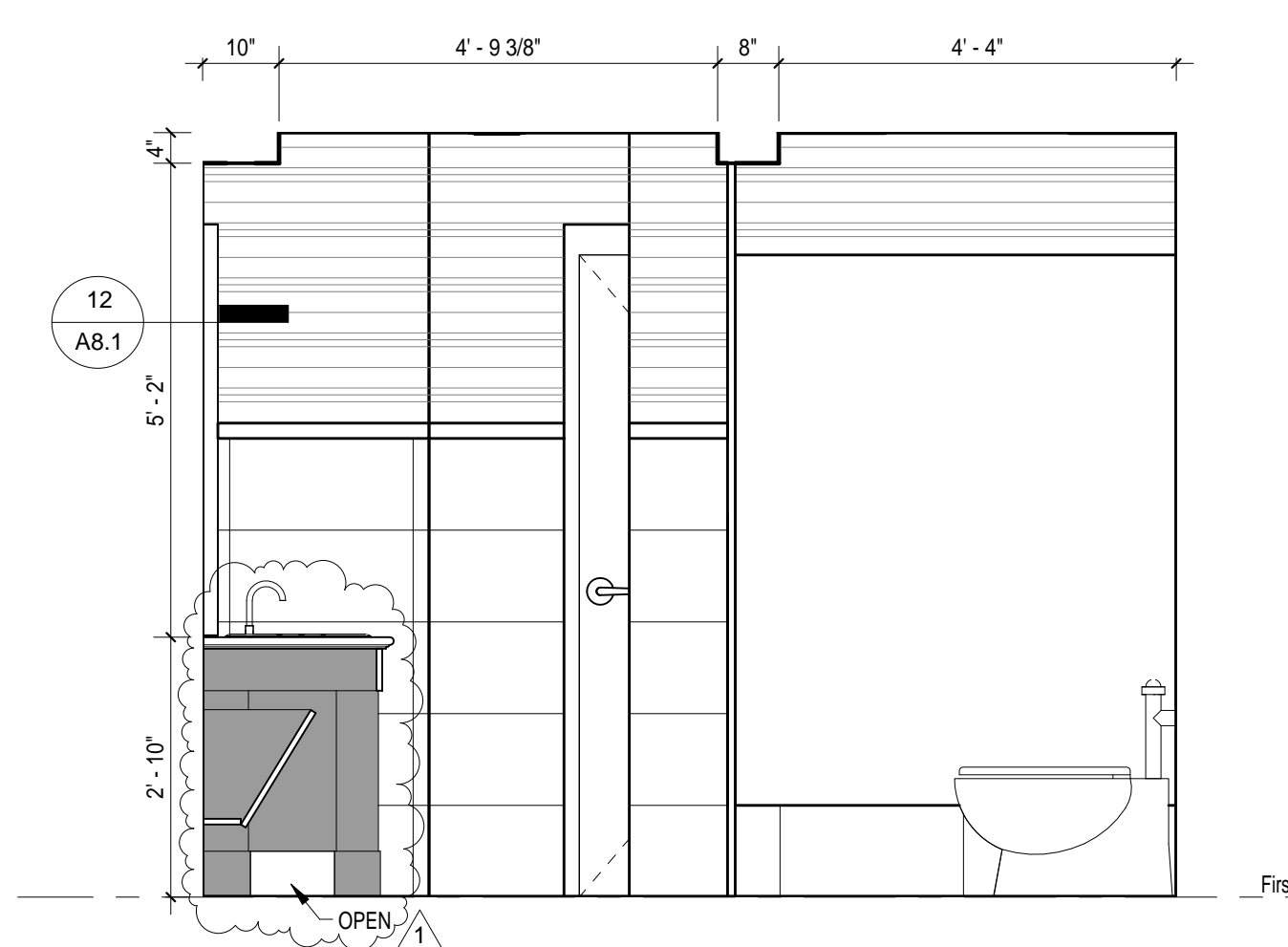
3 TYPICAL PARTITION ELEVATION  
A8.1 1/2" = 1'-0" REFERENCE ON: A1.1



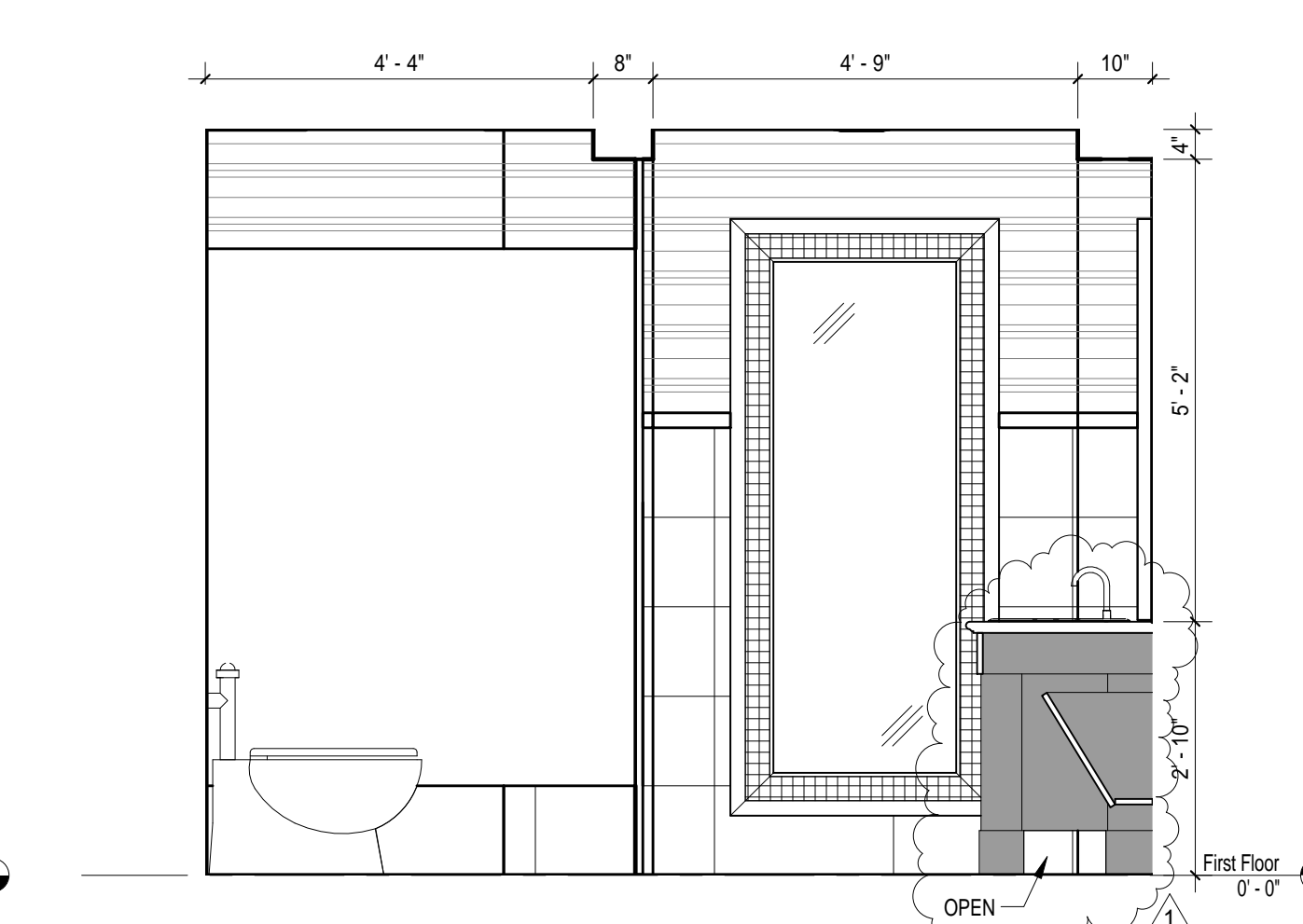
4 WOMEN - END WALL ELEVATION 2  
A8.1 1/2" = 1'-0" REFERENCE ON: A1.1



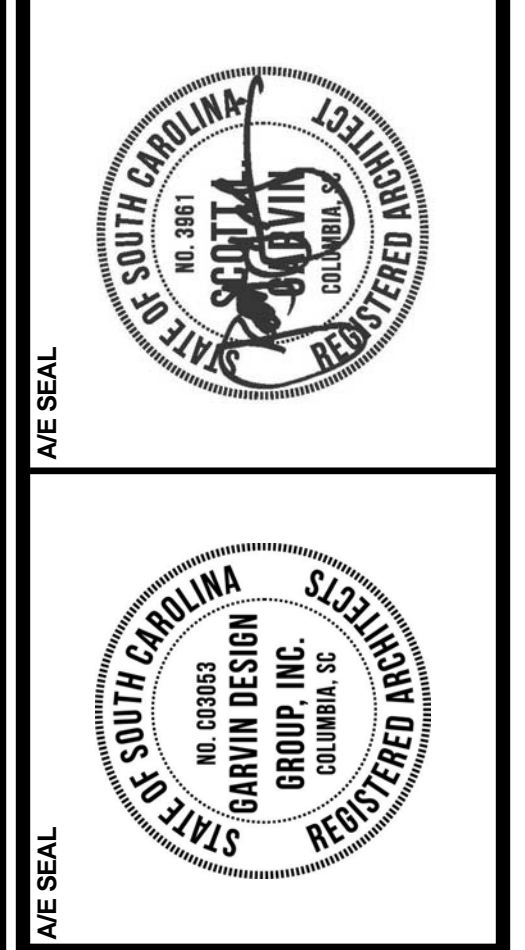
5 MEN - END WALL ELEVATION 2  
A8.1 1/2" = 1'-0" REFERENCE ON: A1.1



6 WOMEN - END WALL ELEVATION 1  
A8.1 1/2" = 1'-0" REFERENCE ON: A1.1



7 MEN - END WALL ELEVATION 1  
A8.1 1/2" = 1'-0" REFERENCE ON: A1.1



PROJECT TITLE  
**LOBBY RESTROOMS REFURBISHMENT**  
808 Bernwell Street  
Columbia, SC 29201

NO.	REVISIONS	DATE
1	ADDENDUM 1	5.20.14

DRAWING TITLE  
**FINISH PLANS, INTERIOR ELEVATIONS, DETAILS, AND SCHEDULES**

DRAWING NO.  
**A8.1**



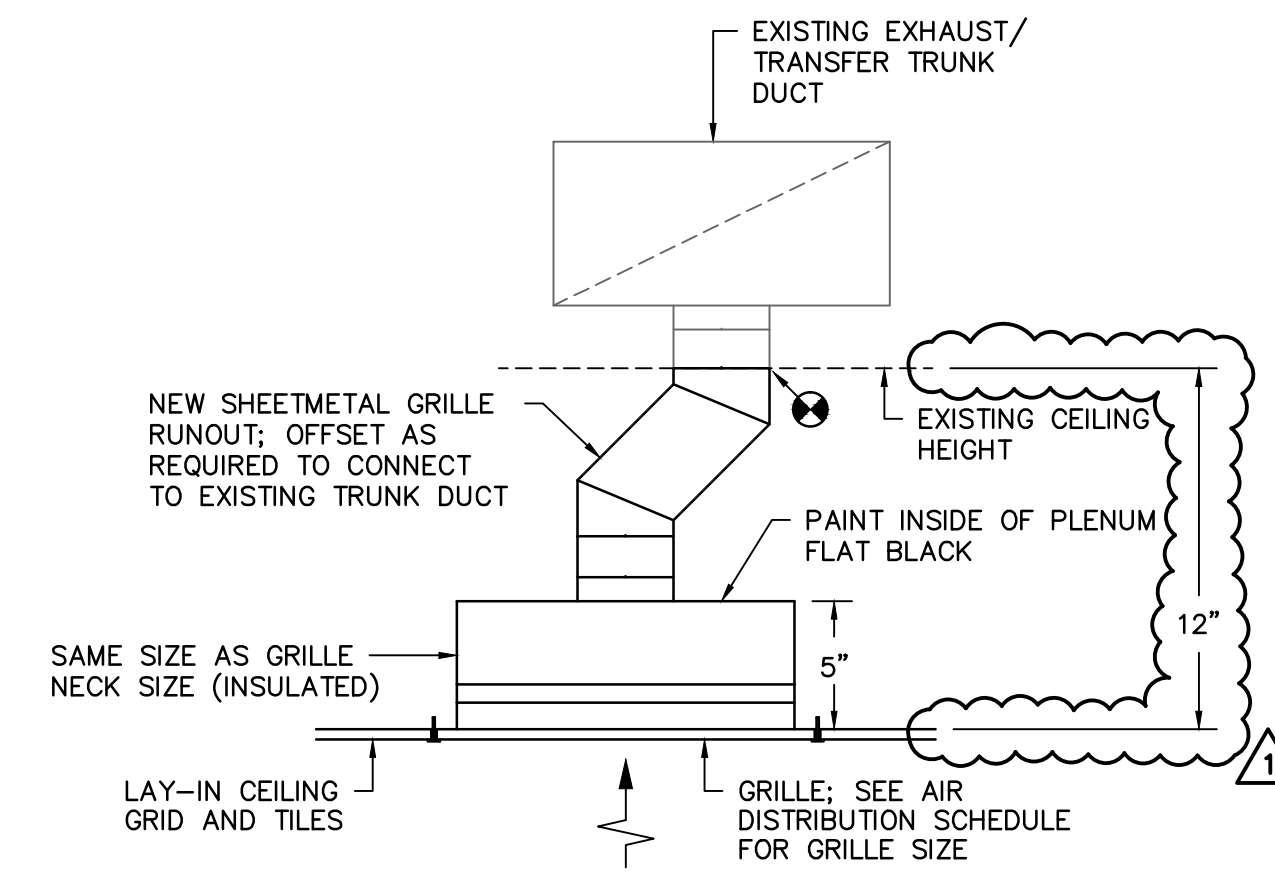
AIR DISTRIBUTION SCHEDULE									
TAG	DESCRIPTION	MANUFACTURER	MODEL	FRAME	CFM	NECK SIZE	FACE SIZE	MAX NC	REMARKS
(A)	PERFORATED RETURN	PRICE	APDDR	LAY-IN	-- --	10"x10"	24"x24"	30	1,2
(B)	NOT USED								
(C)	PERFORATED EXHAUST	PRICE	APDDR	LAY-IN	251-350	10"x10"	24"x24"	30	1,2,3

1. PROVIDE WITH STANDARD WHITE FINISH.  
2. PROVIDE ALUMINUM OR ALUMINIZED STEEL CONSTRUCTION.  
3. PROVIDE WITH OPPOSED BLADE DAMPER.

- ### GENERAL NOTES
- VISIT SITE PRIOR TO BIDDING. THIS CONTRACTOR SHALL DETERMINE DIFFICULTY OF INSTALLATION AND REFLECT THIS IN HIS BIDDING.
  - DO NOT SCALE DRAWINGS. SEE ARCHITECTURAL DRAWINGS AND REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF DOORS, WINDOWS, AIR DISTRIBUTION, ETC. THIS CONTRACTOR SHALL VERIFY ALL EXISTING ITEMS AND LOCATIONS IN THE FIELD.
  - ALL DUCTWORK LOCATIONS SHALL BE COORDINATED WITH WORK UNDER OTHER DIVISIONS OF THE SPECIFICATIONS TO AVOID INTERFERENCE.
  - THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ANY NECESSARY DISMANTLING OF EQUIPMENT TO BE REMOVED.
  - ITEMS REMOVED UNDER THIS CONTRACT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF PROPERLY.
  - ⊕ - CONNECTION POINT OF NEW TO EXISTING.

- ### DEMOLITION NOTES
- EXISTING TRANSFER GRILLE TO BE REMOVED COMPLETELY. EXISTING DUCTWORK TO REMAIN IN PLACE FOR CONNECTION TO NEW.
  - EXISTING EXHAUST GRILLE TO BE REMOVED COMPLETELY. EXISTING DUCTWORK TO REMAIN IN PLACE FOR CONNECTION TO NEW.

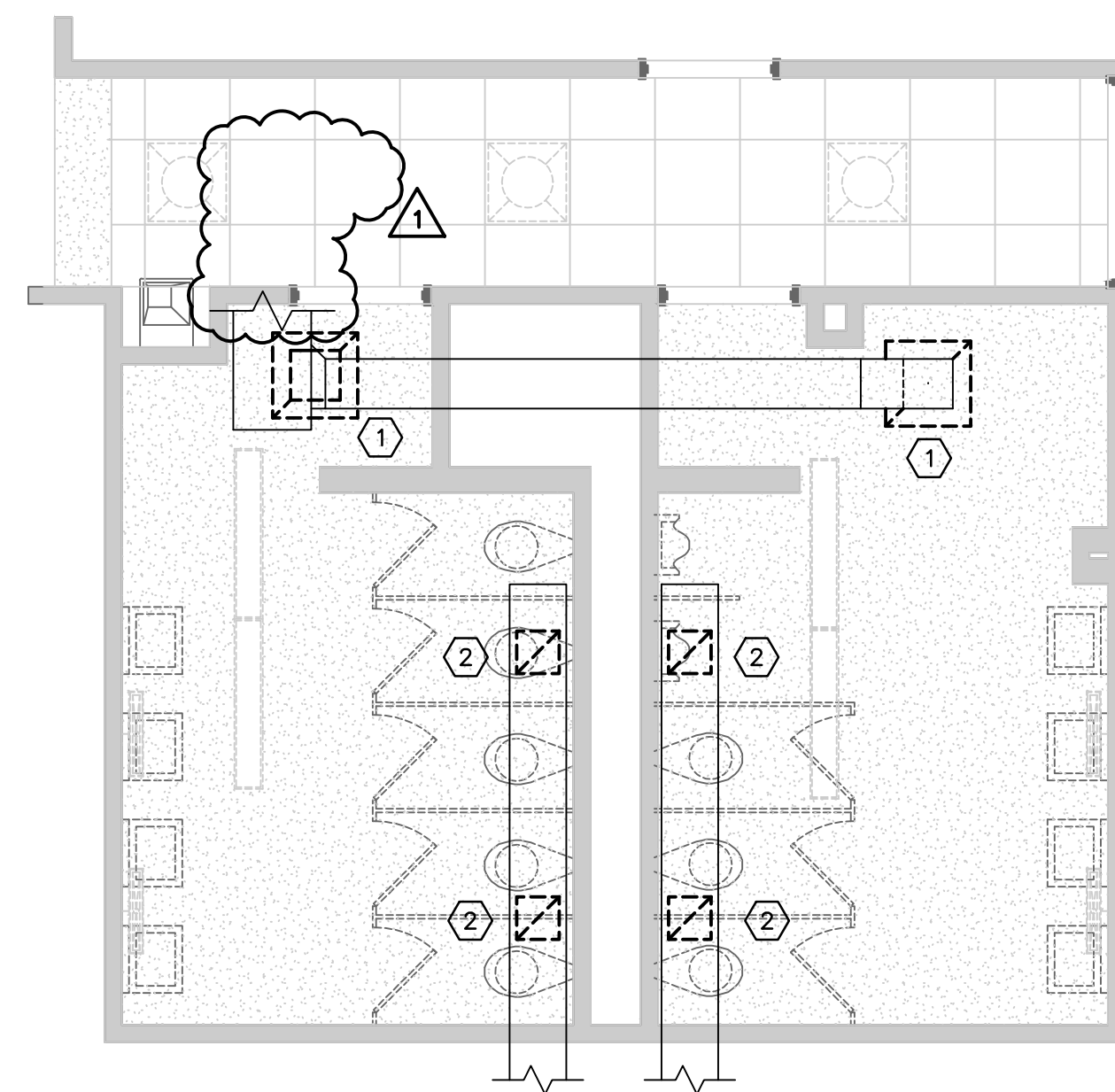
- ### NOTES TO SHEET
- INSTALL NEW TRANSFER GRILLE IN NEW ACOUSTICAL CEILING TILE GRID PER THE AIR DISTRIBUTION SCHEDULE AND EXTEND DUCTWORK FULL SIZE OF NECK TO EXISTING DUCTWORK AND TRANSITION AS REQUIRED.
  - INSTALL NEW EXHAUST GRILLE IN NEW ACOUSTICAL CEILING TILE GRID PER THE AIR DISTRIBUTION SCHEDULE AND EXTEND DUCTWORK FULL SIZE OF NECK TO EXISTING DUCTWORK AND TRANSITION AS REQUIRED.



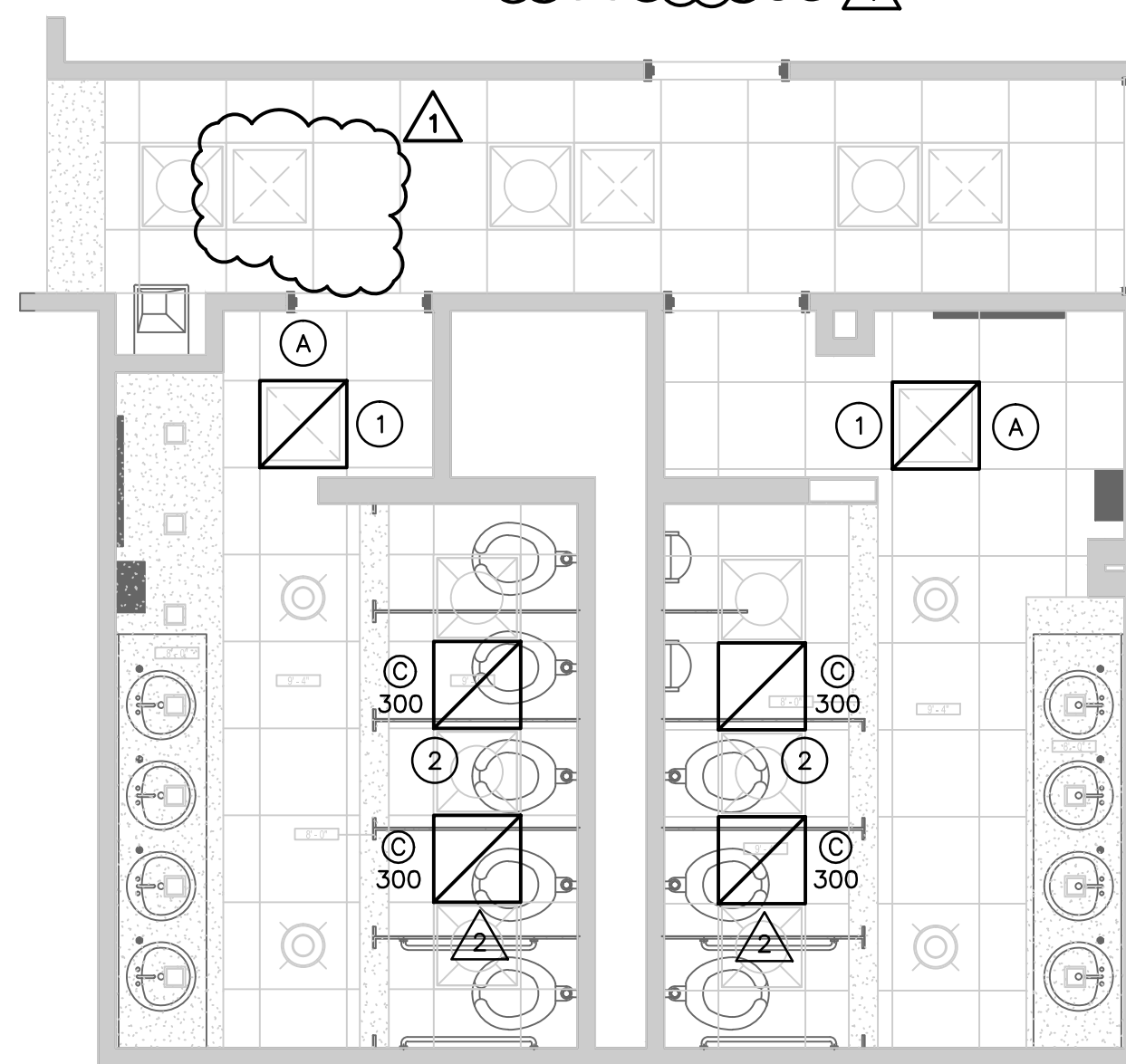
**EXHAUST/TRANSFER GRILLE DETAIL**

NO SCALE

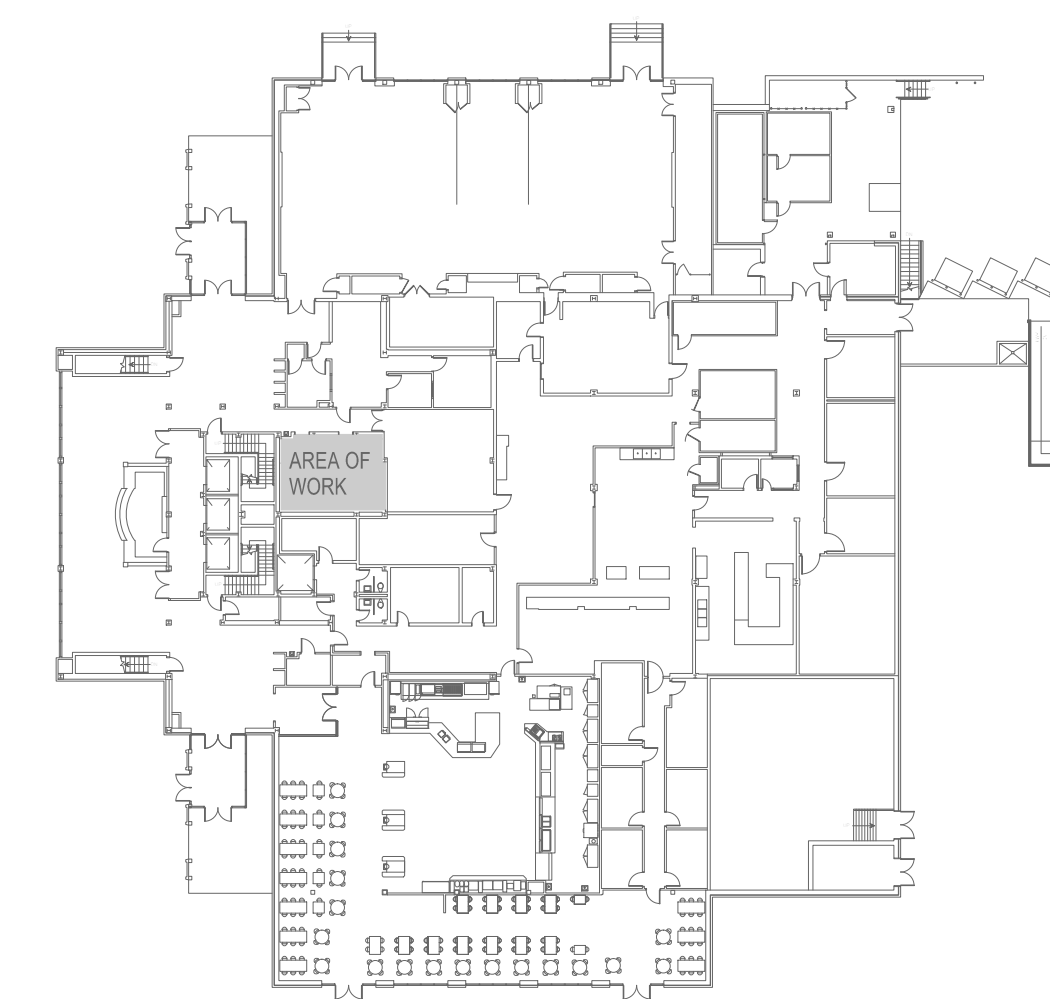
NOTE:  
REFER TO ARCHITECTURAL  
CEILING PLANS FOR GRILLE  
LOCATIONS.



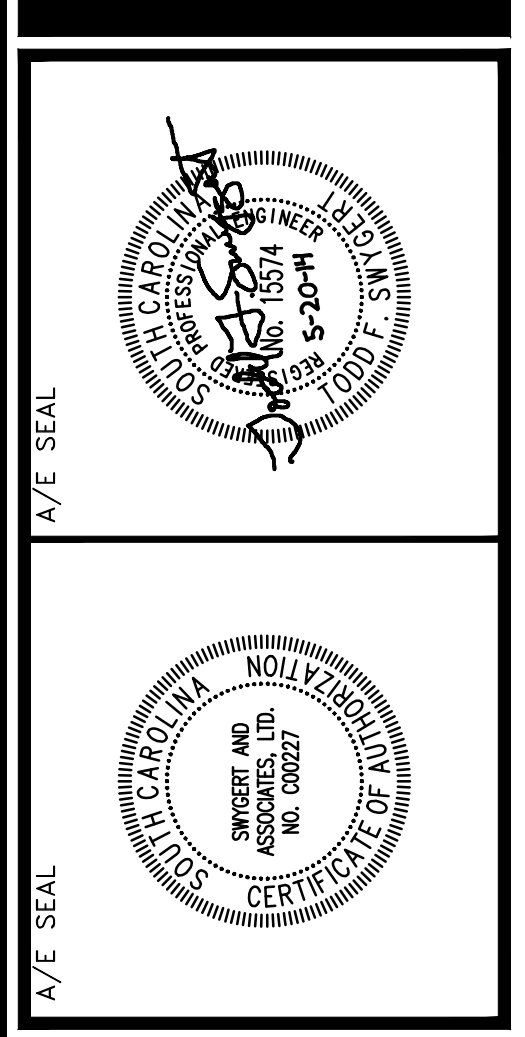
**1 PARTIAL DEMOLITION FLOOR PLAN**  
SCALE: 1/4" = 1'-0"



**2 PARTIAL RENOVATION FLOOR PLAN**  
SCALE: 1/4" = 1'-0"



**FIRST FLOOR KEY PLAN**  
NO SCALE



PROJECT TITLE  
**CAPSTONE LOBBY RESTROOMS  
REFURBISHMENT**  
808 Barnwell Street  
Columbia, SC 29201

REVISIONS	NO.	NAME	DATE
	1	ADDENDUM NO. 1	05-20-14

DRAWING TITLE  
**FLOOR PLANS, DETAILS,  
NOTES, AND SCHEDULE**

PROJECT NO. J0511.14  
DATE 05.08.14  
DRAWING NO. **M1.1**

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CONSULTING ENGINEERS  
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Post Office Box 11866 Columbia, S.C. 29211 Facsimile: (803) 791-0830  
mail@swygart-associates.com

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**DEMOLITION NOTES**

- ① EXISTING WALL HUNG WATER CLOSET TO BE REMOVED COMPLETELY INCLUDING FLUSH VALVE AND CHAIR CARRIER. EXISTING WASTE, VENT, AND SUPPLY PIPING TO BE REUSED FOR NEW FIXTURE.
- ② EXISTING WALL HUNG URINAL TO BE REMOVED COMPLETELY INCLUDING FLUSH VALVE AND CHAIR CARRIER. EXISTING WASTE, VENT, AND SUPPLY PIPING TO BE REUSED FOR NEW FIXTURE.
- ③ EXISTING WALL HUNG LAVATORY TO BE REMOVED COMPLETELY INCLUDING FAUCET, SUPPLY TUBING, AND P-TRAP. EXISTING WASTE, VENT, AND SUPPLY PIPING TO BE REUSED FOR NEW FIXTURE.
- ④ EXISTING FLOOR DRAIN TO BE REMOVED. EXISTING WASTE PIPING TO BE REUSED FOR NEW FLOOR DRAIN.
- ⑤ EXISTING HOSE BIBB TO BE REMOVED. EXISTING SUPPLY PIPING TO BE REUSED FOR NEW HOSE BIBB.

**PLUMBING FIXTURE SCHEDULE**

P. NO.	FIXTURE	MFG.	NAME	MFGS. NO.	SIZE	MIN. SUPPLY		REMARKS
						CW	HW	
P-1	WATER CLOSET	KOHLER	KINGSTON	K-4325	---	1"	---	WITH SLOAN MODEL 8111-1.28 BATTERY POWERED SENSOR FLUSH VALVE, BENEKE 527 SEAT, AND CHAIR CARRIER.
P-2	ACCESSIBLE WATER CLOSET	KOHLER	KINGSTON	K-4330	---	1"	---	WITH SLOAN MODEL 8111-1.28 BATTERY POWERED SENSOR FLUSH VALVE, BENEKE 527 SEAT, AND CHAIR CARRIER.
P-3	URINAL	KOHLER	DEXTER	K-5016-ET	---	3/4"	---	WITH SLOAN MODEL 8186-0.5 BATTERY POWERED SENSOR FLUSH VALVE, AND CHAIR CARRIER.
P-4	LAVATORY	KOHLER	BANCROFT	K-2319	17"x14"	3/8"	3/8"	UNDERCOUNTER MOUNTED WITH SLOAN MODEL EAF-250-ISM BATTERY POWERED SENSOR FAUCET, WATTS, OR APPROVED EQUAL, SERIES USG-B MIXING VALVE, MCGUIRE 155WC OFFSET GRID DRAIN, MCGUIRE H165 3/8" CAST BRASS SUPPLIES WITH STOPS, AND MCGUIRE 8872 1-1/4" P-TRAP. MOUNT MIXING VALVE AS HIGH AS POSSIBLE UNDER COUNTERTOP.
FD	FLOOR DRAIN	ZURN	---	ZN-415-B	---	---	---	WITH 5" NICKLE BRONZE STRAINER, P-TRAP, AND TRAP GUARD BY PROSET, OR APPROVED EQUAL.

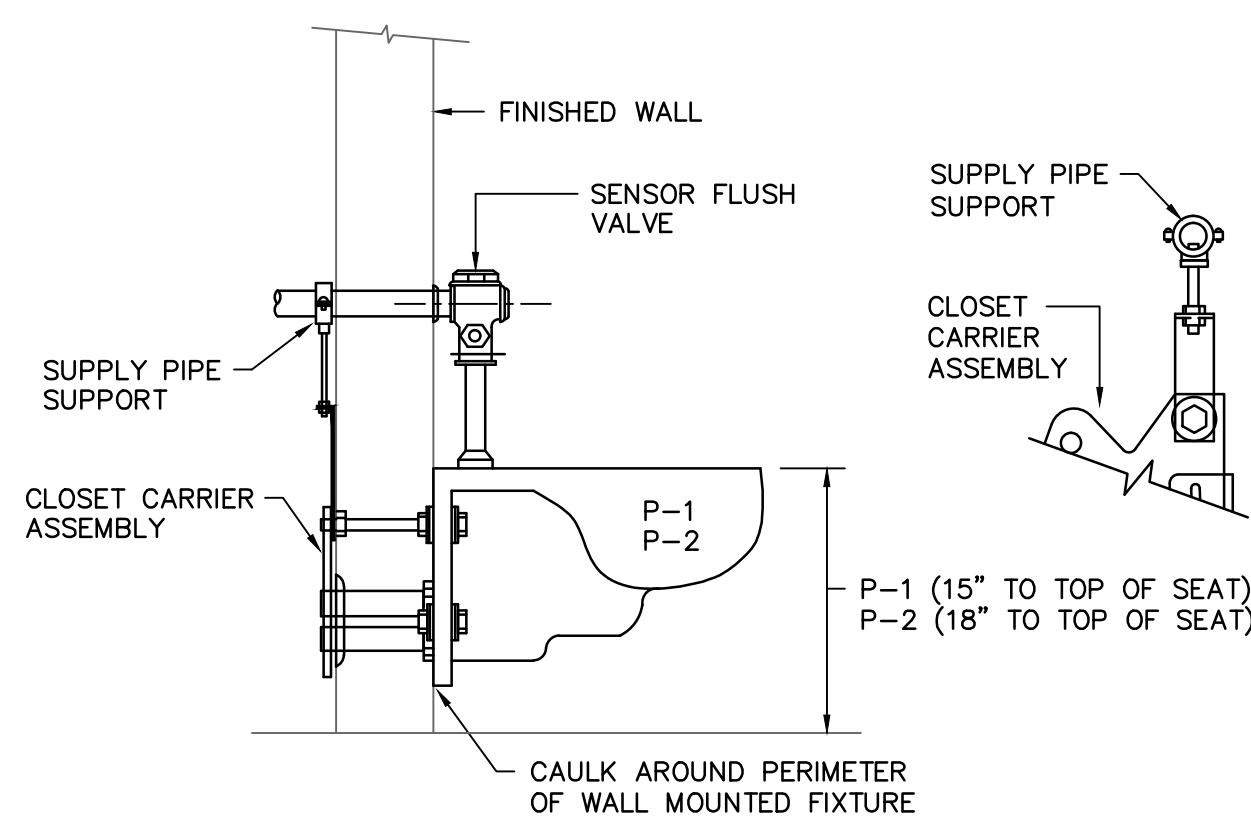
NOTE: SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS OF ALL WALL MOUNTED FIXTURES.

**GENERAL NOTES**

1. ALL WORK SHALL BE PERFORMED ACCORDING TO ALL LOCAL, STATE, NATIONAL CODES, AND THE 2012 INTERNATIONAL PLUMBING CODE.
2. DO NOT SCALE DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR EXACT DIMENSIONS, FIXTURE LOCATIONS, ETC.
3. EXCEPT WHERE PIPE SPACE IS PROVIDED OR UNLESS NOTED OTHERWISE, ALL SUPPLY, WASTE AND VENT RISERS SHALL BE RUN IN WALLS AND PARTITIONS.
4. COORDINATE CLOSELY WITH ALL WORK DONE UNDER OTHER DIVISIONS OF THE SPECIFICATIONS TO AVOID INTERFERENCE AND CONFLICT.
5. ALL PIPING INSULATION SHALL BE RUN CONTINUOUSLY.

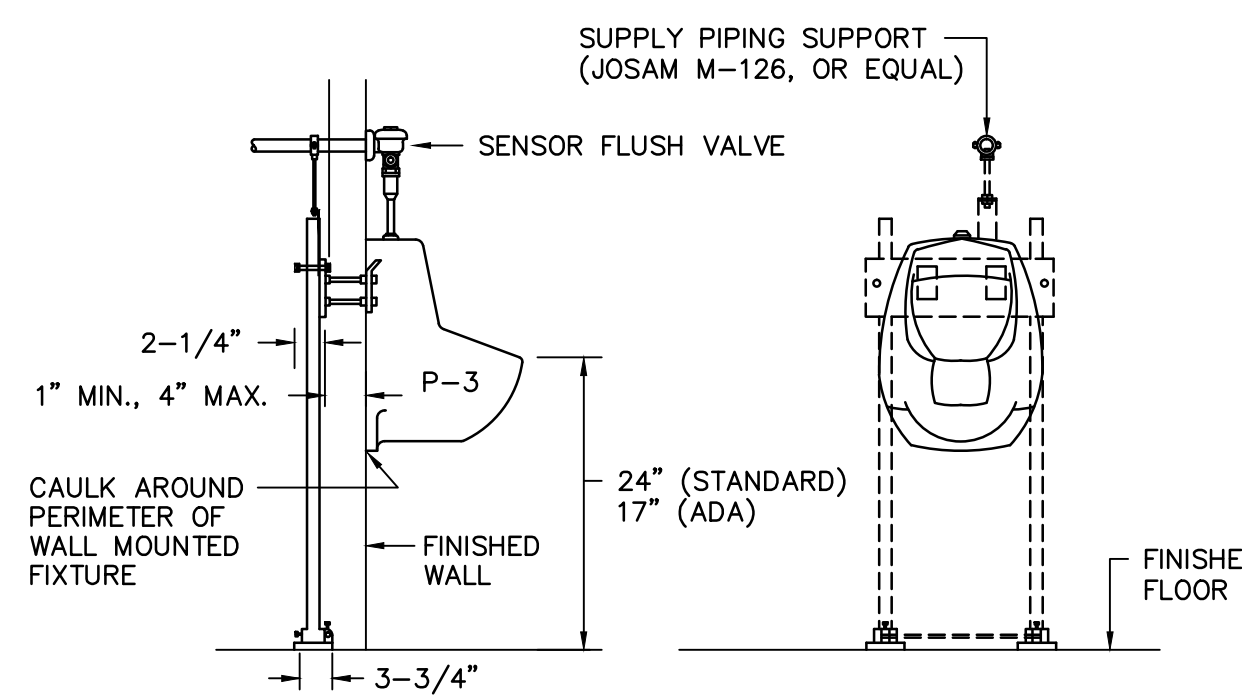
**NOTES TO SHEET**

- ① INSTALL NEW WALL HUNG WATER CLOSET, FLUSH VALVE, AND CHAIR CARRIER AS SPECIFIED IN THE PLUMBING FIXTURE SCHEDULE AND WATER CLOSET SUPPLY DETAIL. RECONNECT TO EXISTING WASTE, VENT, AND SUPPLY PIPING. TRANSITION AS REQUIRED FOR NEW FIXTURE HEIGHTS.
- ② INSTALL NEW WALL HUNG URINAL, FLUSH VALVE, AND CHAIR CARRIER AS SPECIFIED IN THE PLUMBING FIXTURE SCHEDULE AND TYPICAL URINAL SUPPORT DETAIL. RECONNECT TO EXISTING WASTE, VENT, AND SUPPLY PIPING. TRANSITION AS REQUIRED FOR NEW FIXTURE HEIGHTS.
- ③ INSTALL NEW COUNTERTOP LAVATORY, FAUCET, SUPPLIES WITH STOPS, AND P-TRAP AS SPECIFIED IN THE PLUMBING FIXTURE SCHEDULE. RECONNECT TO EXISTING WASTE, VENT, AND SUPPLY PIPING. TRANSITION AS REQUIRED.
- ④ INSTALL NEW FLOOR DRAIN AS SPECIFIED IN THE PLUMBING FIXTURE SCHEDULE. RECONNECT TO EXISTING WASTE LINE. TRANSITION AS REQUIRED.
- ⑤ INSTALL NEW WOODFORD, OR APPROVED EQUAL, MODEL 24 LOOSE KEY HOSE BIBB. RECONNECT TO EXISTING SUPPLY PIPING.



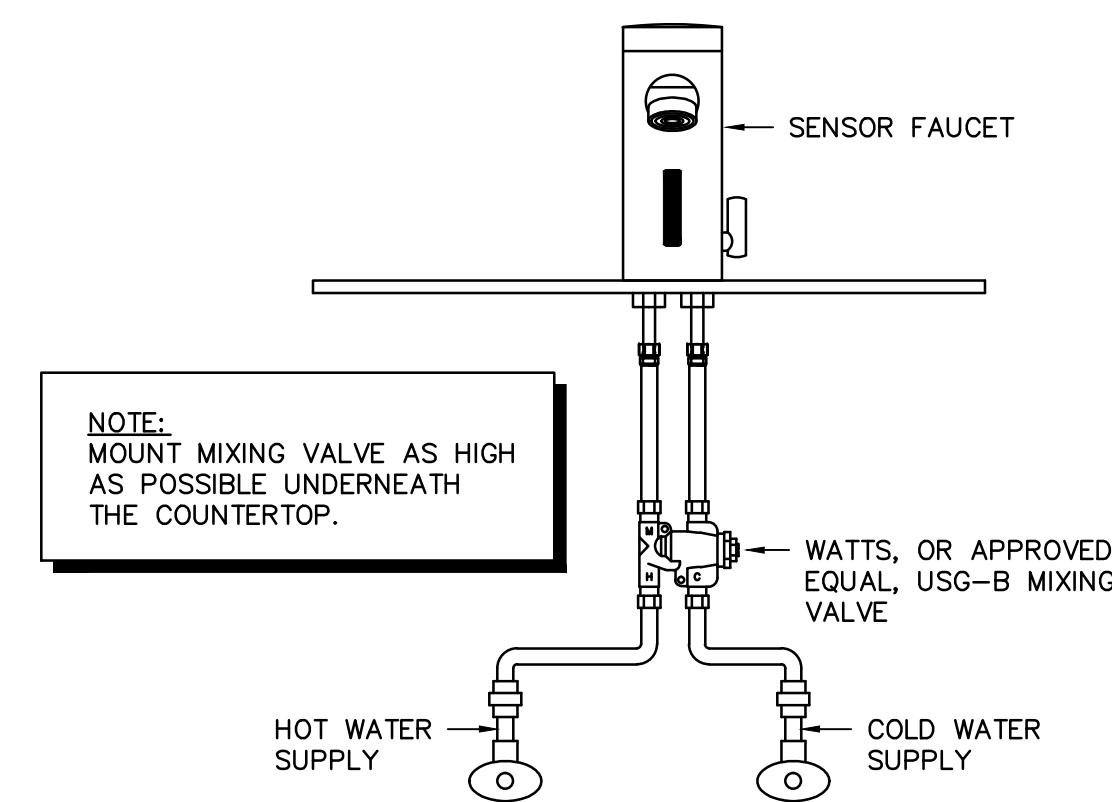
**WATER CLOSET SUPPLY DETAIL**

NO SCALE



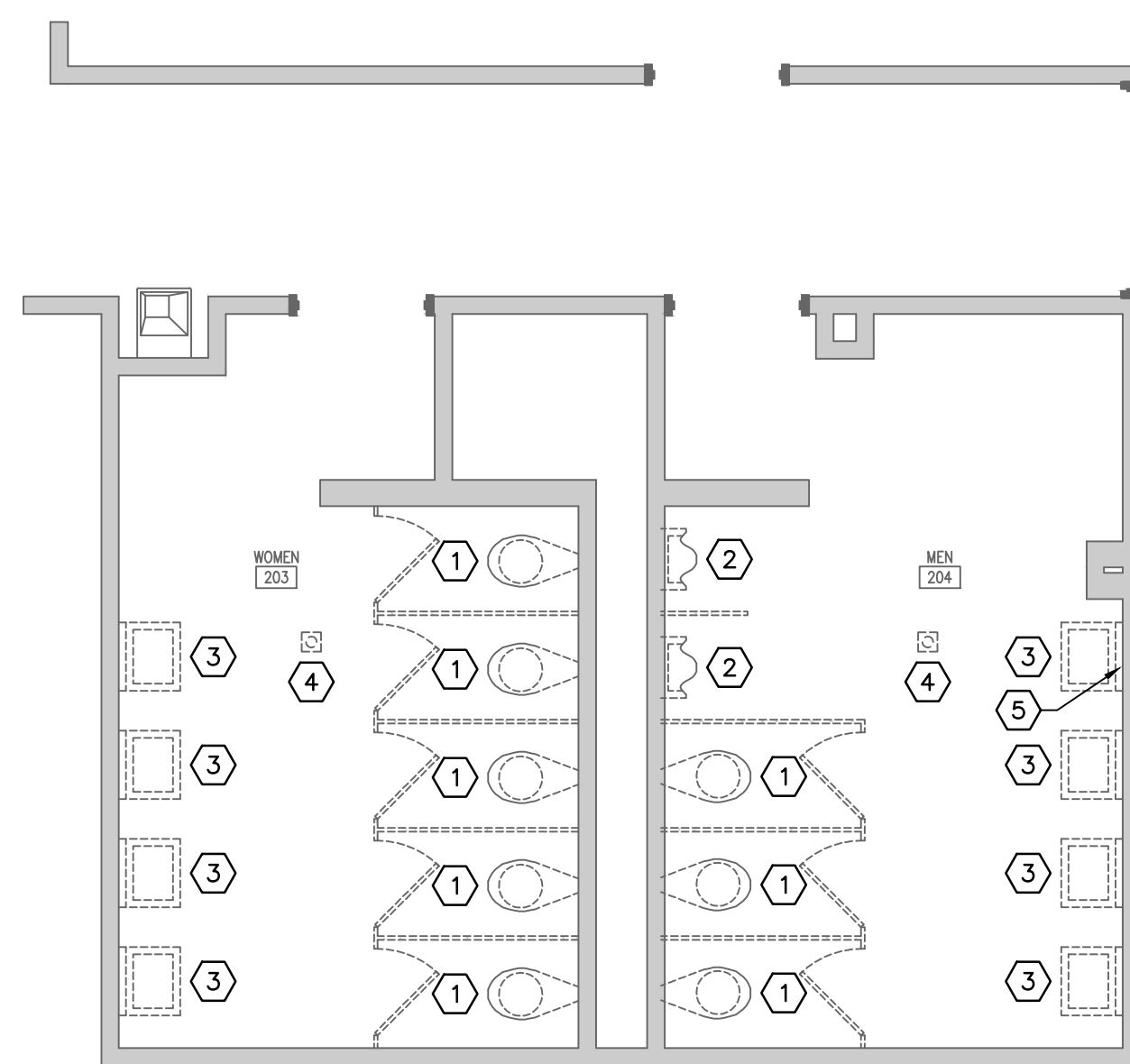
**TYPICAL URINAL SUPPORT**

NO SCALE



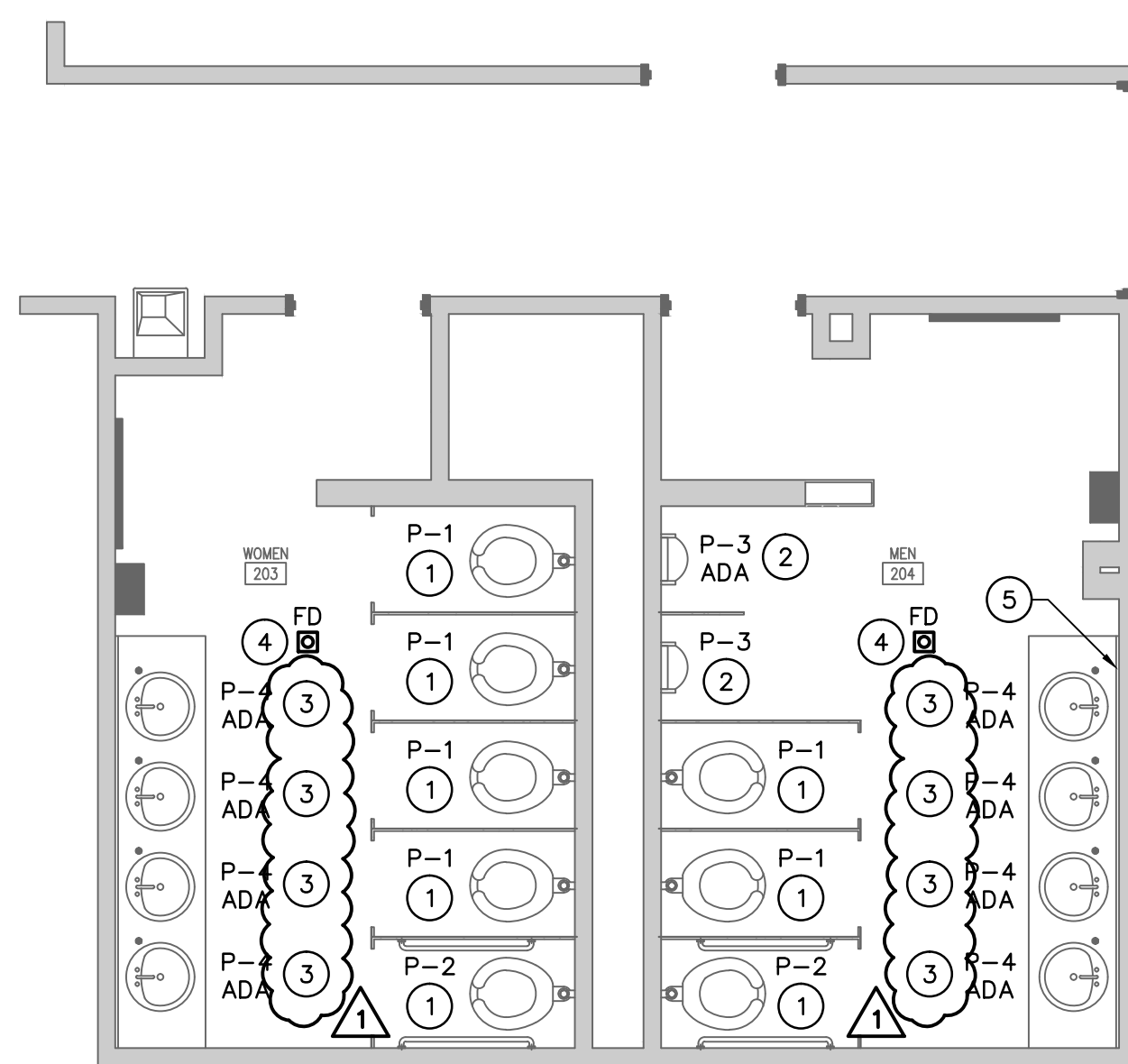
**LAVATORY MIXING VALVE DETAIL**

NO SCALE



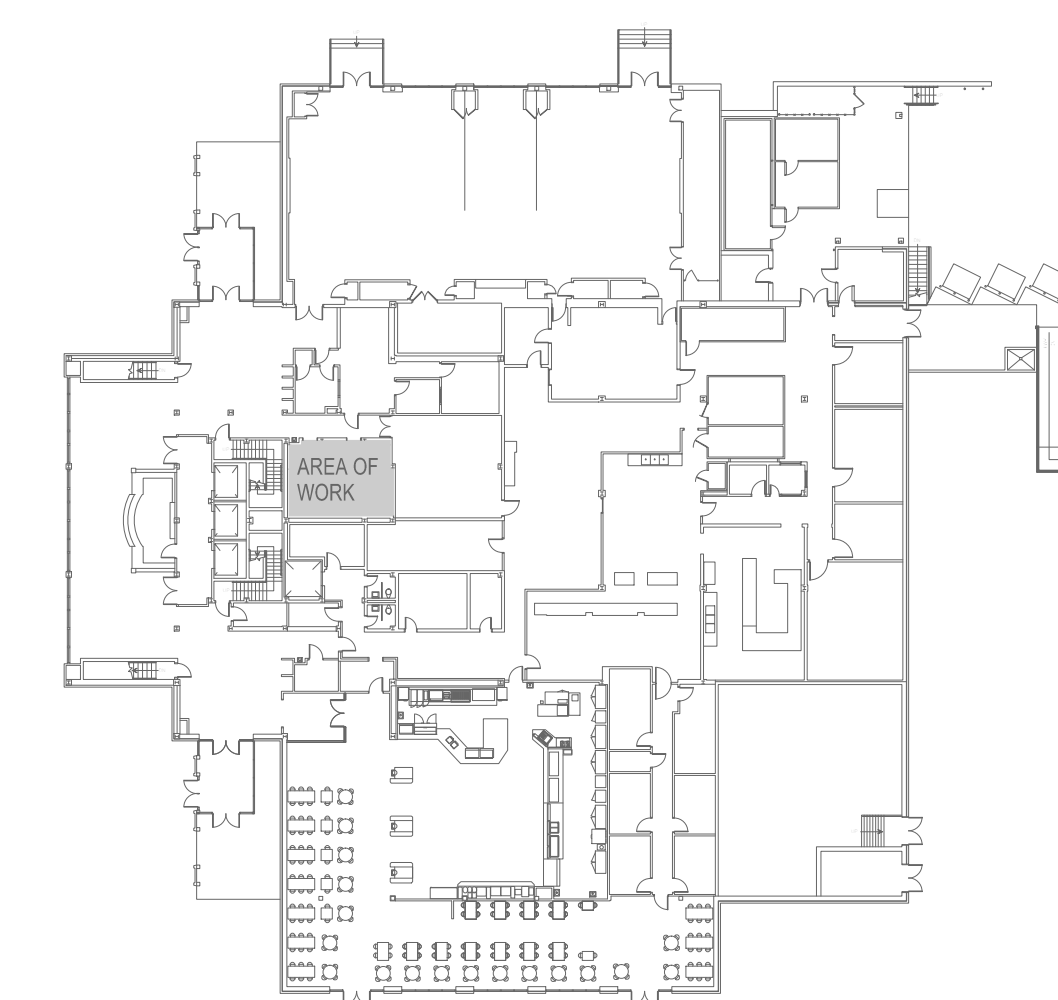
**1 PARTIAL DEMOLITION FLOOR PLAN**

SCALE: 1/4" = 1'-0"



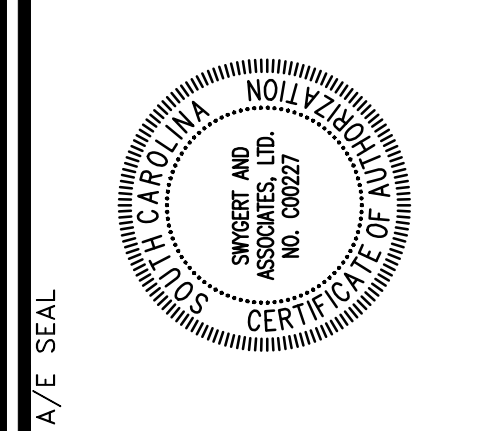
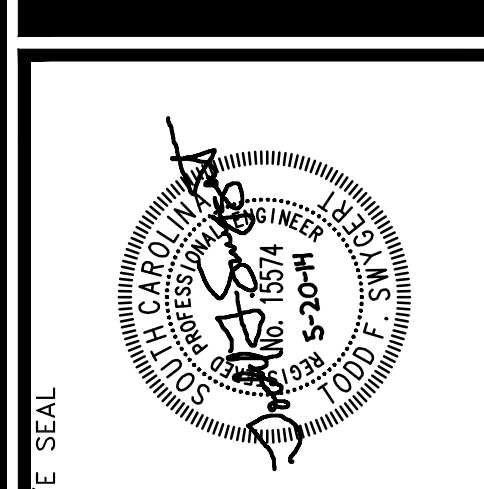
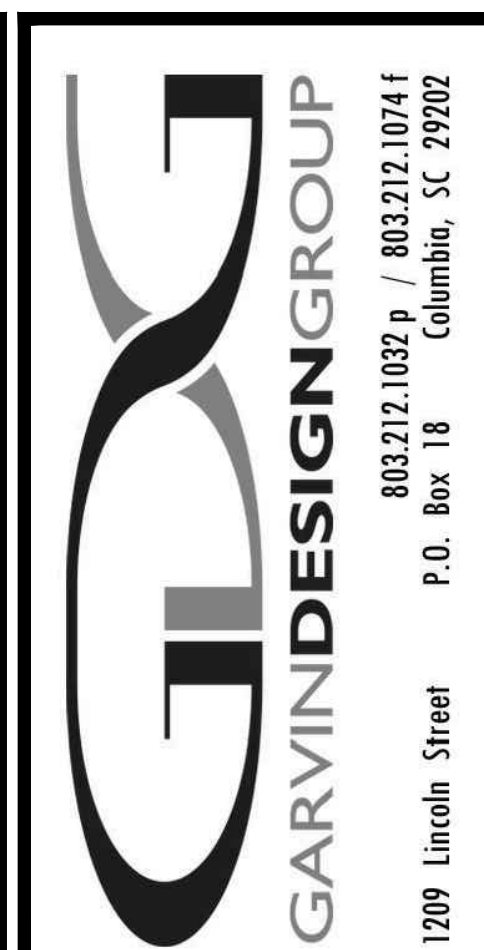
**2 PARTIAL RENOVATION FLOOR PLAN**

SCALE: 1/4" = 1'-0"



**FIRST FLOOR KEY PLAN**

NO SCALE



**PROJECT TITLE**  
**CAPSTONE LOBBY RESTROOMS REFURBISHMENT**  
 808 Barnwell Street  
 Columbia, SC 29201

REVISIONS	NO.	NAME	DATE
	1	ADDENDUM NO. 1	05.20.14

**DRAWN BY**  
**CHECKED BY**  
 TFS

**DRAWING TITLE**  
**FLOOR PLANS, DETAILS, NOTES, AND SCHEDULE**

**PROJECT NO.** 1303.1.14  
**DATE** 05.08.14  
**DRAWING NO.** P1.1

**Swygart & Associates**  
 CONSULTING ENGINEERS

DBA Swygart & Assoc., Ltd. Telephone: (803) 791-9300  
 Post Office Box 11866 Columbia, S.C. 29211 Facsimile: (803) 791-0830  
 mail@swygart-associates.com

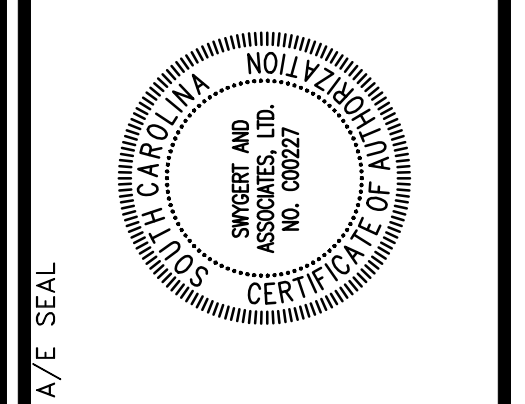
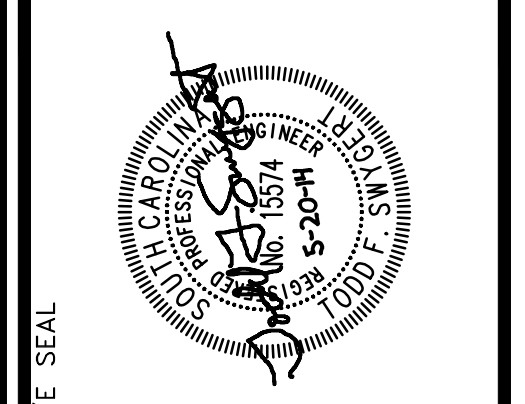
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**GENERAL NOTES**

1. SUBMIT DRAWINGS INDICATING EXACT LOCATION OF ALL SPRINKLER HEADS FOR ARCHITECTS REVIEW AND BRING ALL FIELD CONFLICTS AND REQUIRED ADJUSTMENTS TO THE ARCHITECTS ATTENTION FOR VERIFICATION OF FINAL LOCATION OF ALL SPRINKLER HEADS.
2. SPRINKLER DRAWINGS PROVIDED ARE TO ASSIST THE CONTRACTOR. SUCCESSFUL CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF A COMPLETE SYSTEM PER THESE PLANS AND SPECIFICATIONS AND IN COMPLIANCE WITH ALL APPLICABLE CODES.
3. THE DESIGN TEAM, TO INSURE COMPATIBILITY WITH THE BUILDING DESIGN INTENT, WILL CAREFULLY REVIEW SPRINKLER PLANS. CORRECTIONS WILL BE MADE BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.
4. SPRINKLER HEADS SHALL BE LOCATED A MINIMUM OF 6" AWAY FROM CEILING GRID IN ALL ACOUSTICAL CEILING TILES.
5. BRANCH LINES OR MAIN LINES FOR SPRINKLER PIPING THAT ARE BEING MOVED, ADDED, OR RELOCATED SHALL BE INSTALLED TO MEET SEISMIC REQUIREMENTS WITH LATERAL SWAY BRACING, LONGITUDINAL SWAY BRACING, AND FOUR-WAY BRACING AS REQUIRED BY NFPA AND THE INTERNATIONAL BUILDING CODES. ARM OVERS SERVING A SINGLE SPRINKLER SHALL BE EXEMPT.
6. FLEXIBLE CONNECTIONS SHALL BE USED AT HEADS. NO OVERSIZED EXCUTCHONS ALLOWED.
7. THIS CONTRACTOR SHALL NOT SUPPLY MORE THAN ONE SPRINKLER HEAD FROM ANY ONE EXISTING OUTLET.
8. EXISTING SYSTEM TO BE MODIFIED TO ACCOMMODATE NEW CEILING AS REQUIRED TO PROVIDE A FULLY PROTECTED FLOOR. SEE ARCHITECTURAL PLANS FOR CEILING.

**NOTES TO SHEET**

- 1 EXISTING SPRINKLER SYSTEM SHALL BE MODIFIED AS REQUIRED TO ACCOMMODATE NEW CEILING LAYOUT AND HEIGHT. ANY SPRINKLER HEADS SHALL BE NEW AND SHALL BE FLAT PLATE CONCEALED HEADS WITH A WHITE FINISH.



**PROJECT TITLE**  
**CAPSTONE LOBBY RESTROOMS REFURBISHMENT**  
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 Columbia, SC 29201

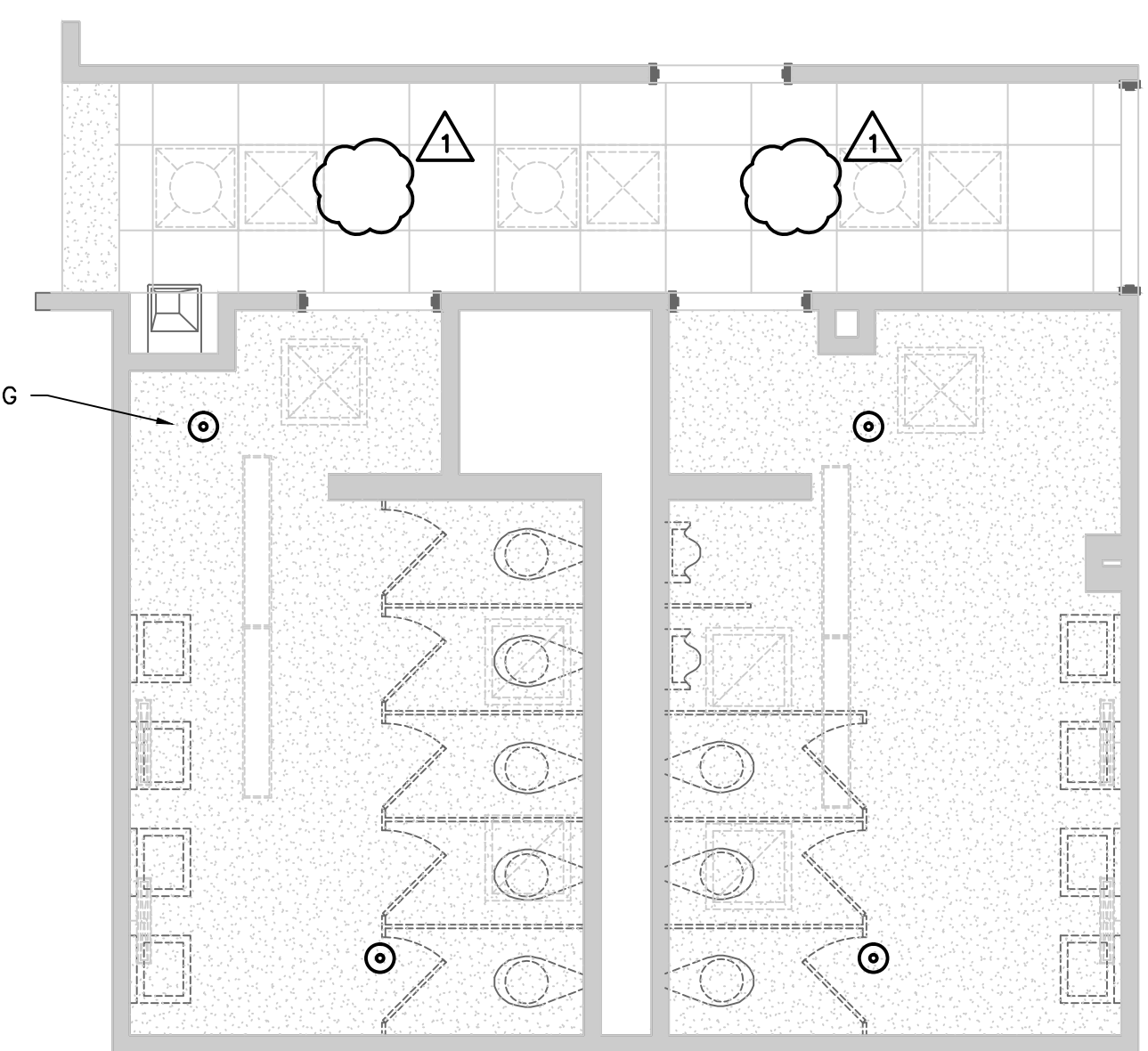
REVISIONS	NO.	NAME	DATE
	1	ADDENDUM NO. 1	05.20.14

**DRAWN BY**  
 CHECKED BY  
 DEM TFS

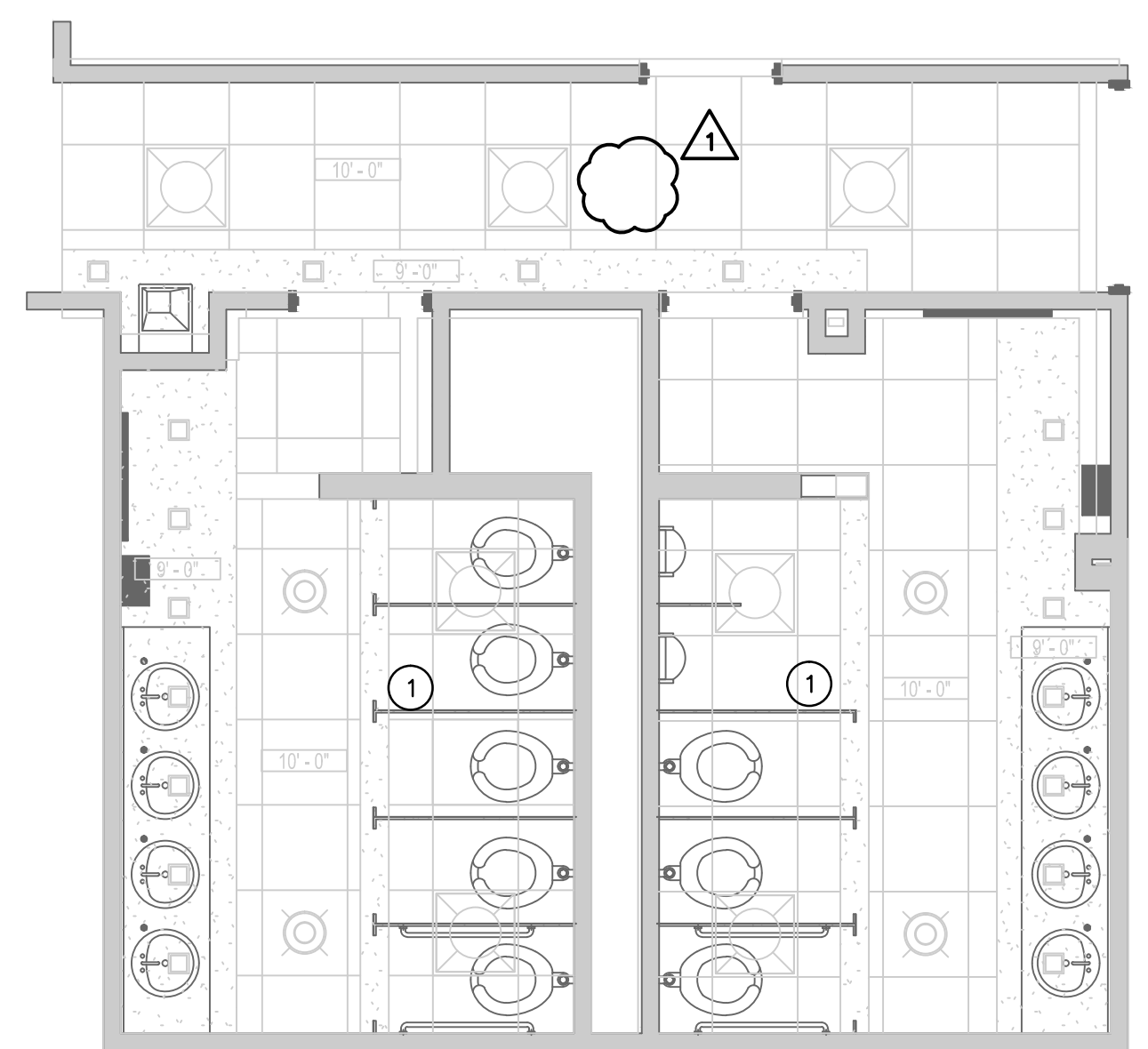
**DRAWING TITLE**  
**FLOOR PLANS AND NOTES**

**PROJECT NO.** 1203.1.14  
**DATE** 05.08.14  
**DRAWING NO.** **FP1.1**

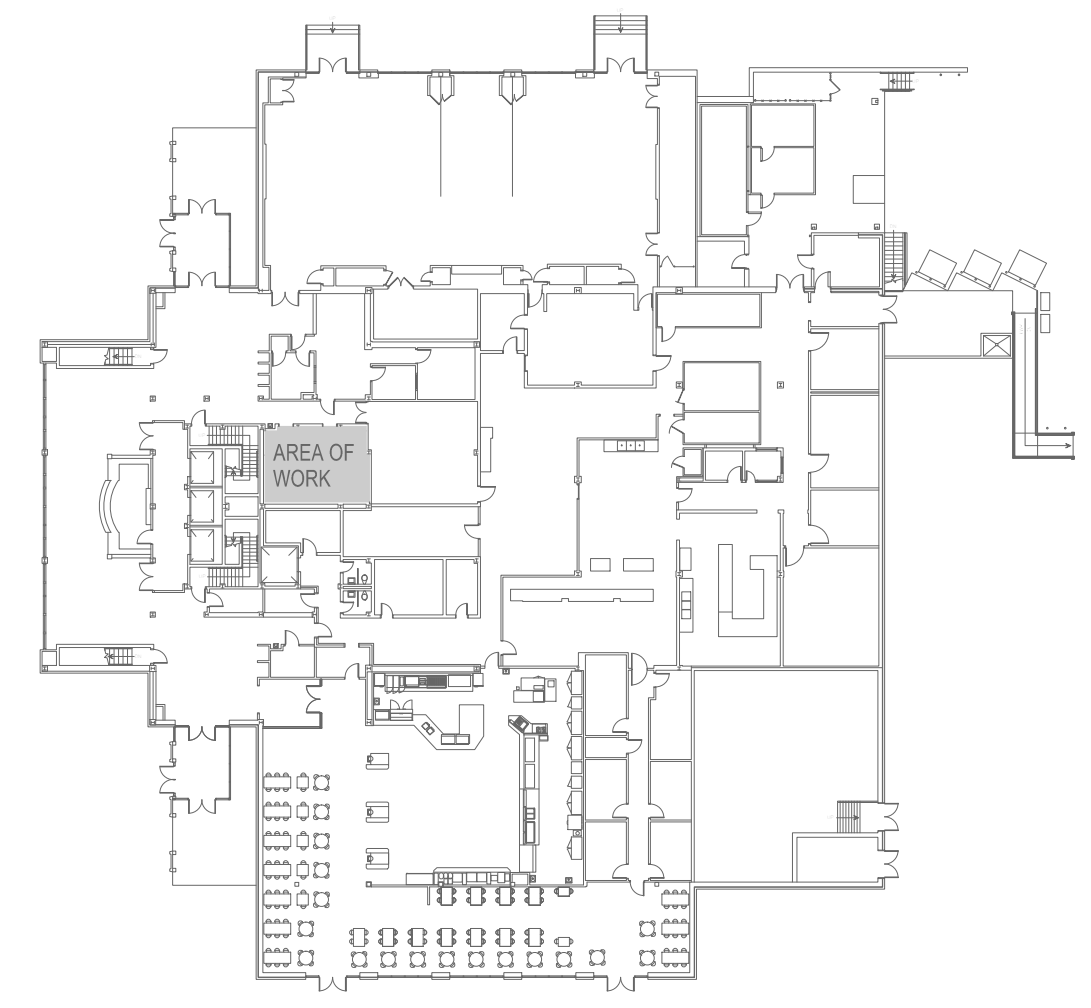
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**1 PARTIAL DEMOLITION FLOOR PLAN**  
 SCALE: 1/4" = 1'-0"



**2 PARTIAL RENOVATION FLOOR PLAN**  
 SCALE: 1/4" = 1'-0"



**FIRST FLOOR KEY PLAN**  
 NO SCALE

APPROXIMATE LOCATION OF EXISTING SPRINKLER HEAD TO BE REMOVED (TYP. FOR 6)