

King Middle School Restroom Renovations

Harrodsburg, Kentucky

for the

Mercer County Board of Education

530 Perryville Street Harrodsburg, Kentucky 40330
p 859.733.7000

BG # 23-289

RTA # 2282



101 old lafayette avenue
lexington, kentucky 40502
p 859.254.4018
www.rosstarrant.com

enhancing education through great design


M.E.P. ENGINEER: CMTA, INC.
220 Lexington Green Circle, Suite 600 Lexington, Kentucky 40503
p 859.253.0892

PROJECT SITE ADDRESS:

961 Moberly Road
Harrodsburg, Kentucky
40330

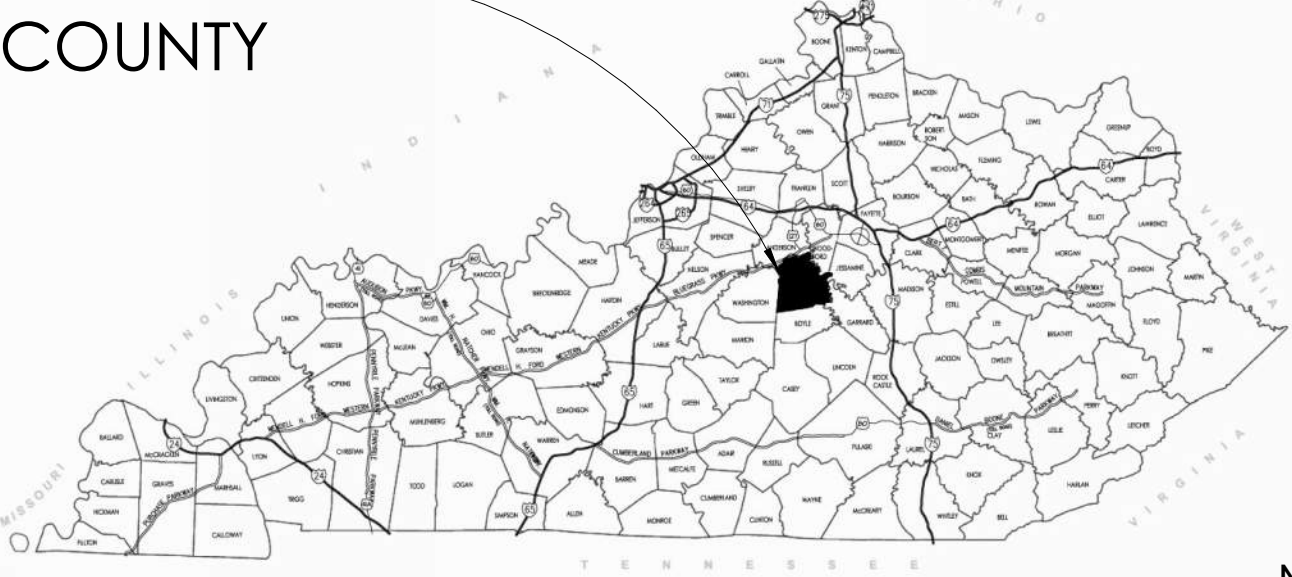
VICINITY MAP

SITE



PROJECT VICINITY MAP

MERCER COUNTY



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COVER SHEET

KING MIDDLE SCHOOL RESTROOM RENOVATIONS

FOR:

MERCER COUNTY BOARD OF EDUCATION

HARRODSBURG, KENTUCKY

M.E.&P. Engineer:

CMTA, Inc.

220 Lex. Green Circle, Ste. 600

Lexington, KY 40503

p 859.253.0892

BG#

23-289

Project No:

2282

Drawn By:

BB

Rev'd By:

BB/BB

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CONSTRUCTION DOCUMENTS

G0.0

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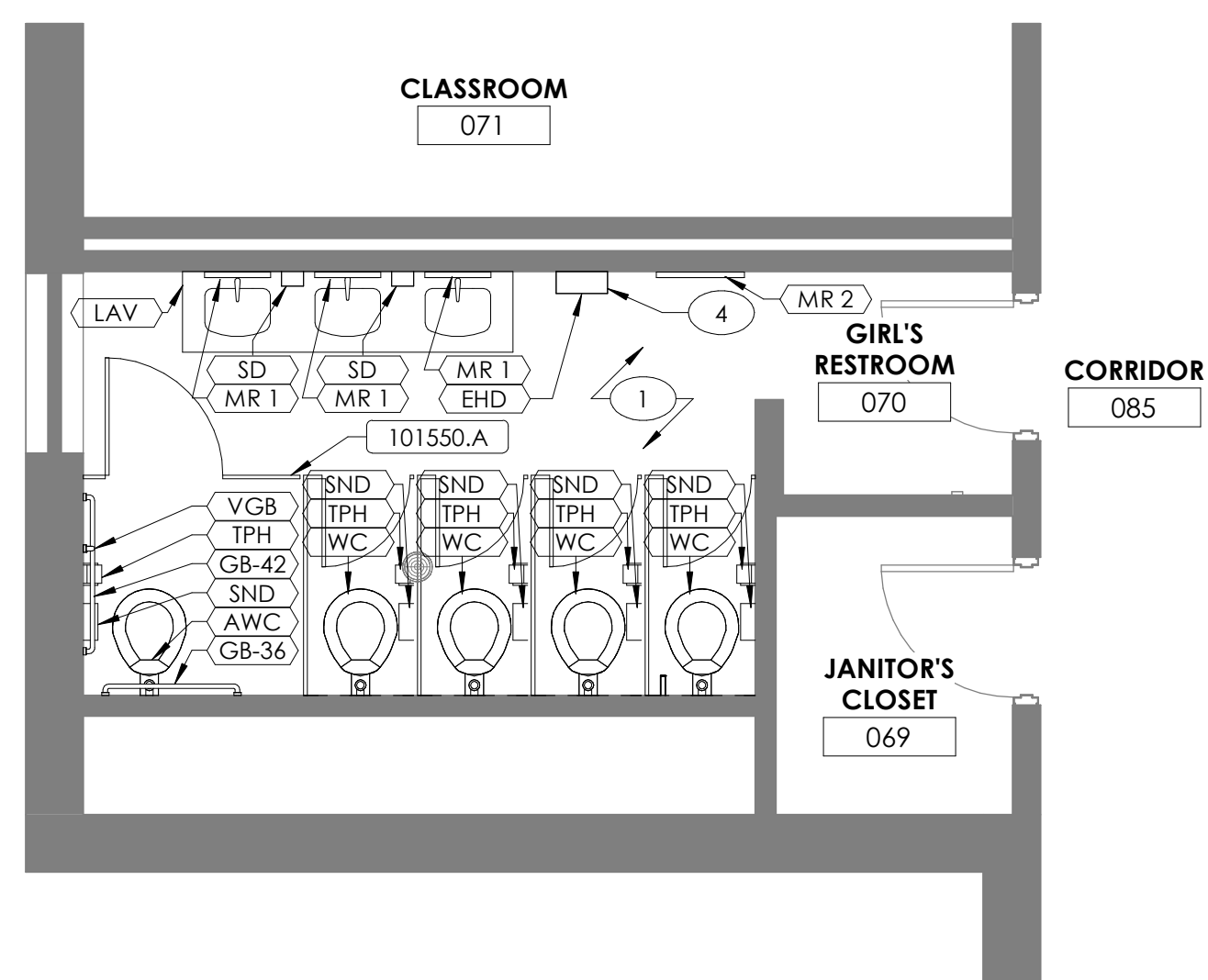
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01/10/2023

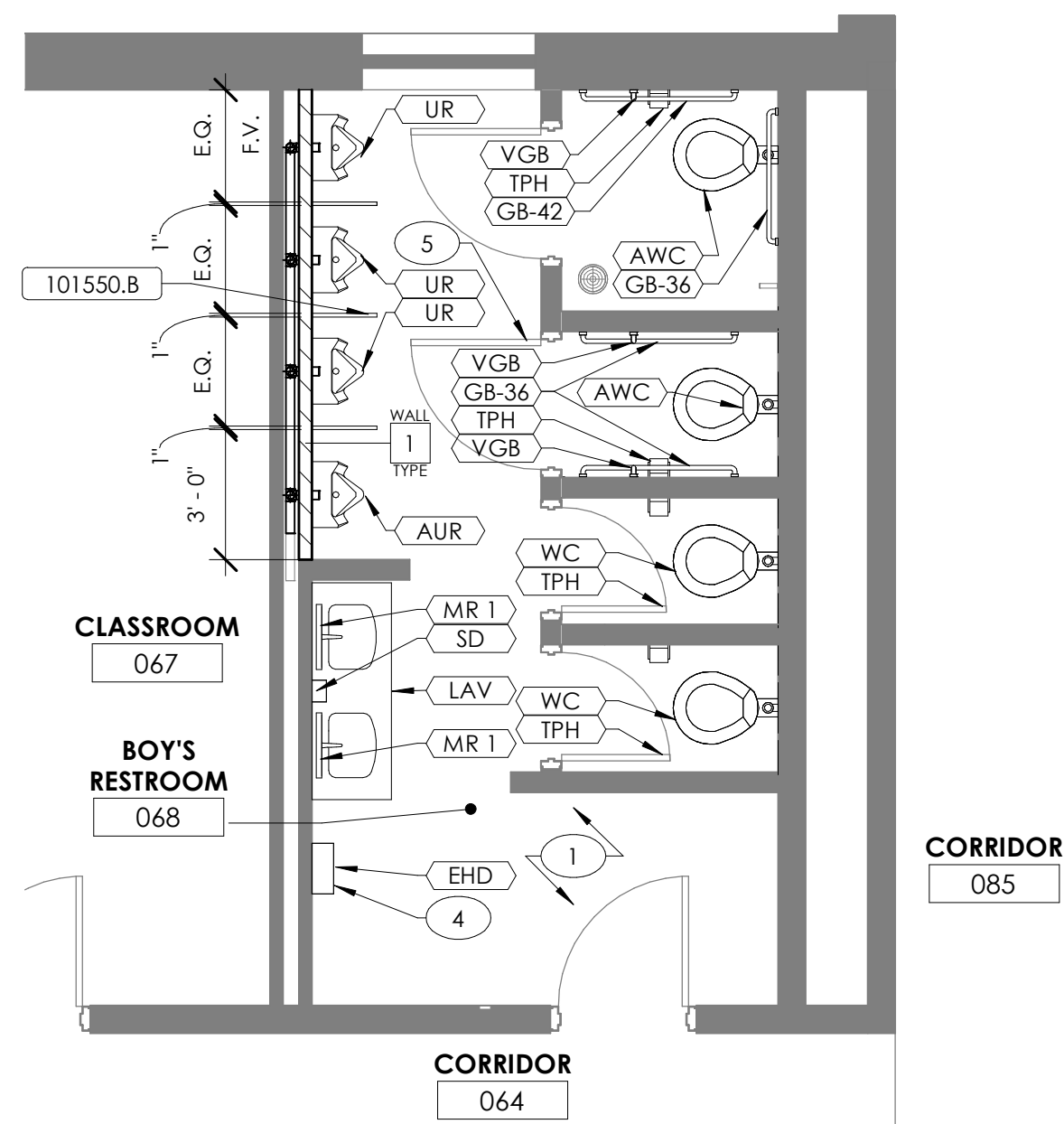
rosstarrant architects

101 old lafayette avenue lexington, kentucky 40502 p 859.254.4018

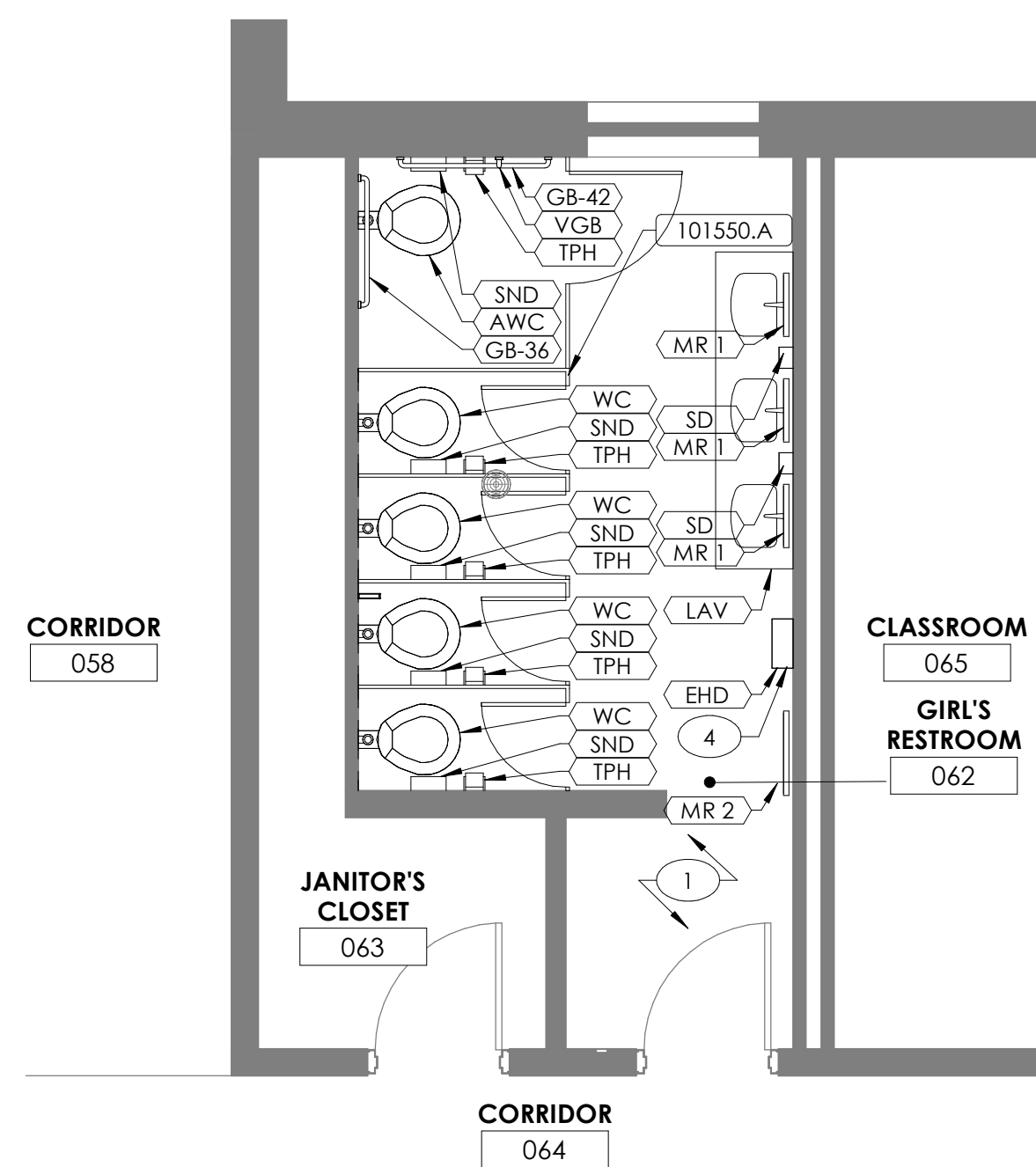
REVISIONS		
#	DATE	DESCRIPTION

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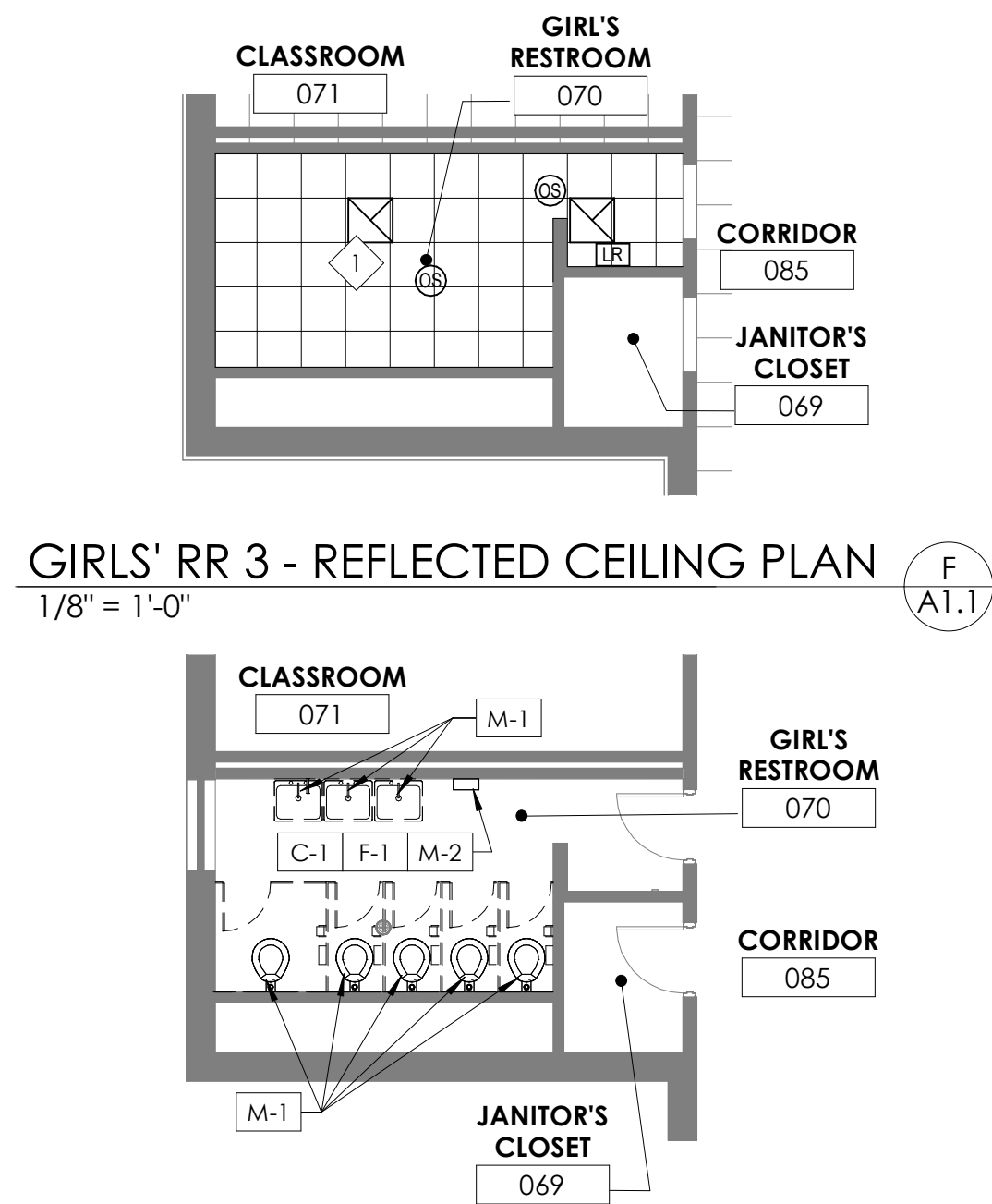
GIRLS' RR 3 - ENLARGED FLOOR PLAN
1/4" = 1'-0"



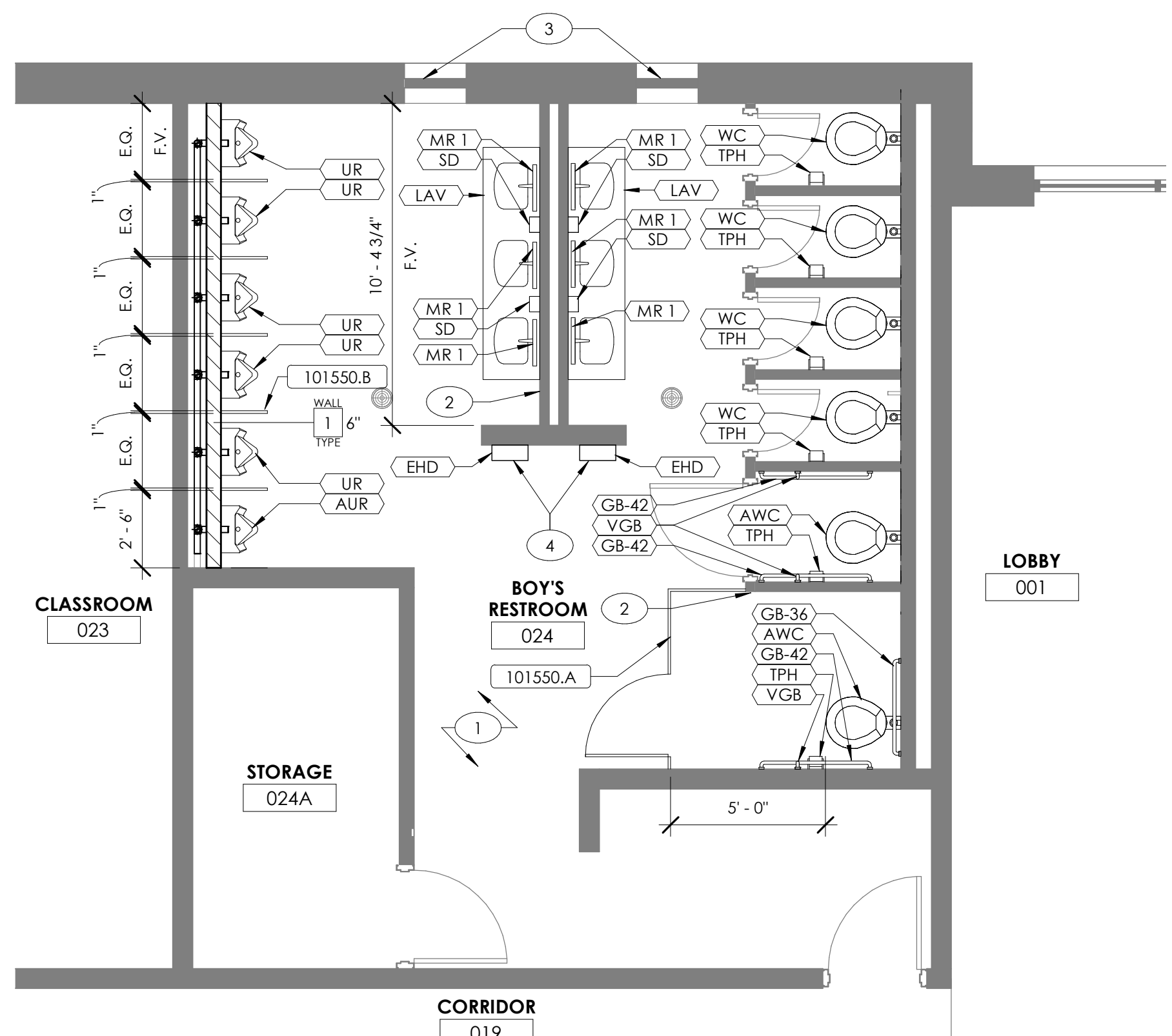
BOYS' RR 2 - ENLARGED FLOOR PLAN



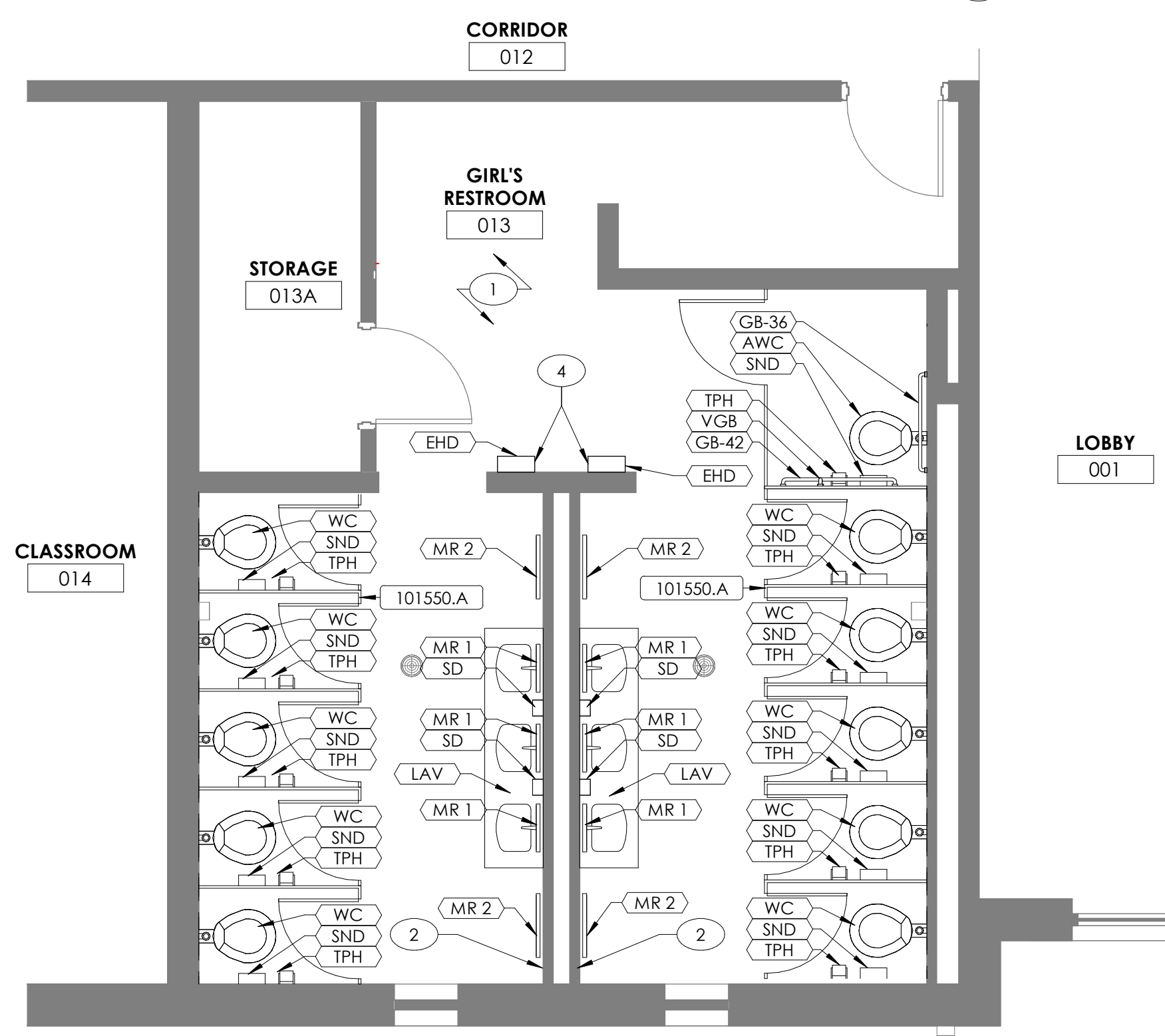
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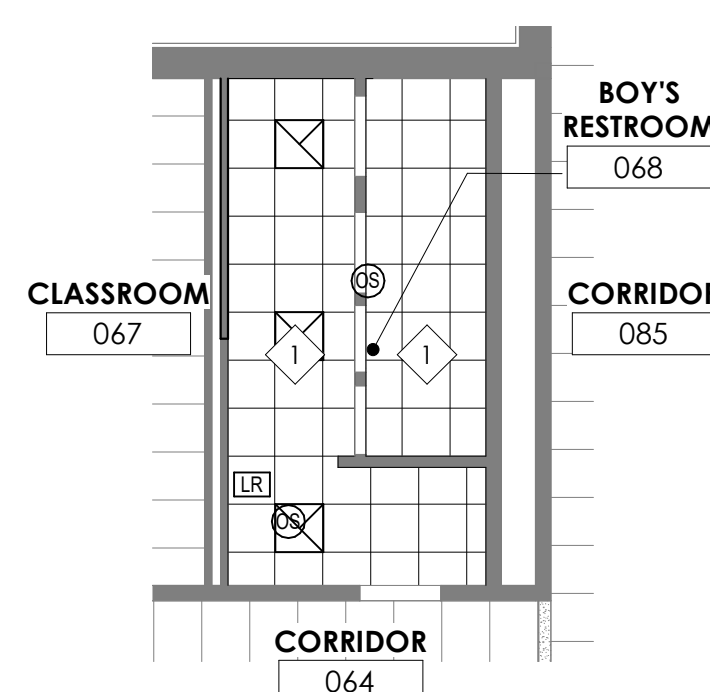
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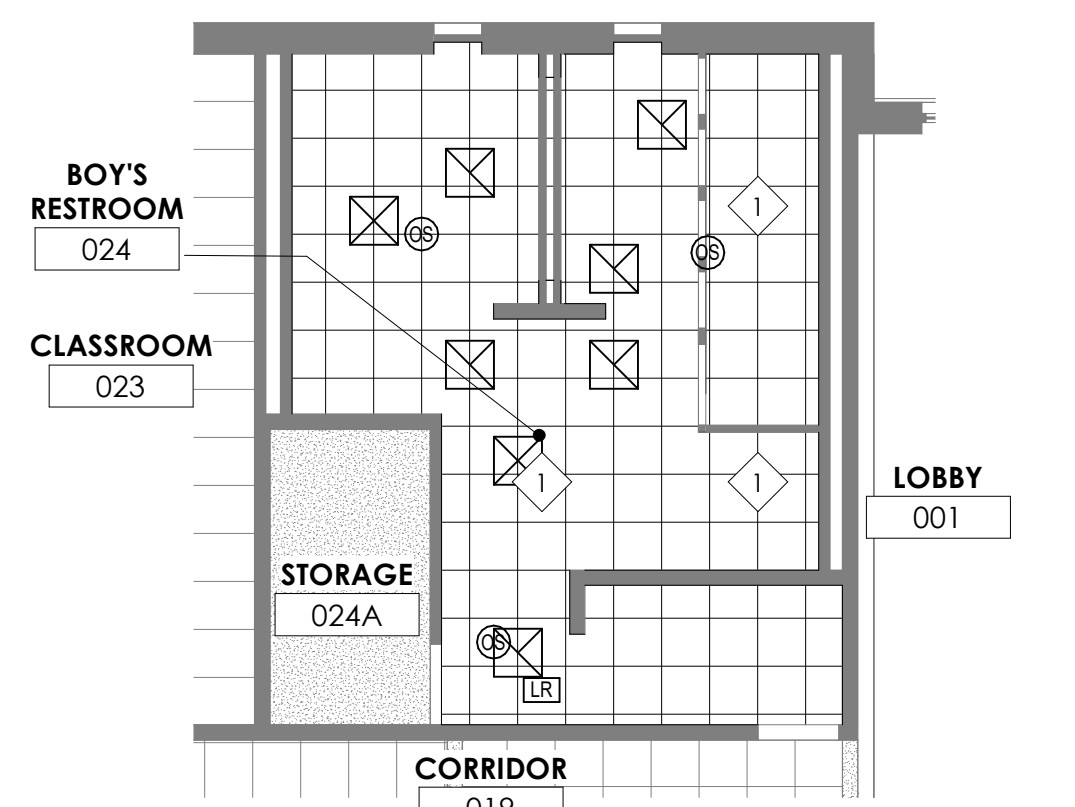
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1/4" = 1'-0"



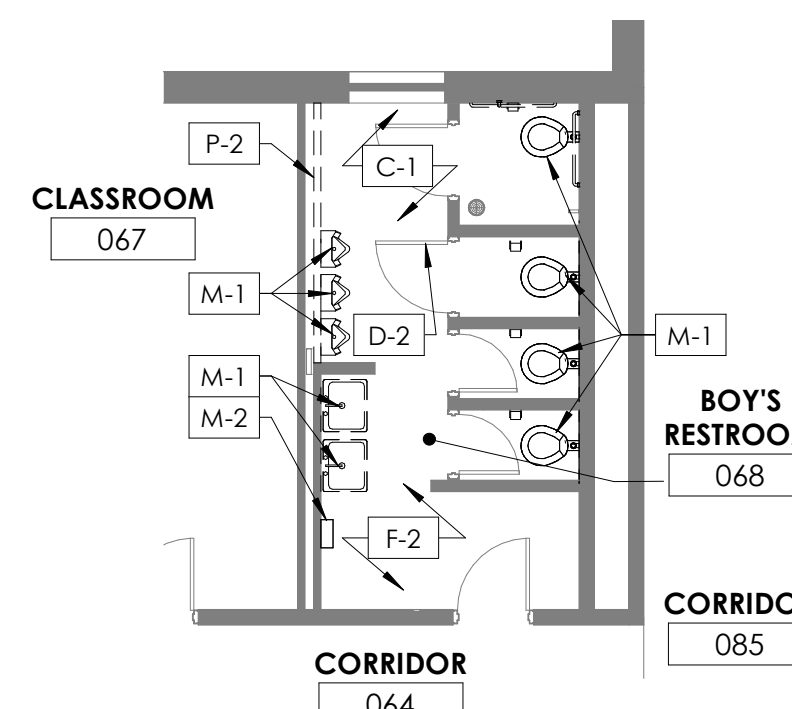
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1/4" = 1'-0"



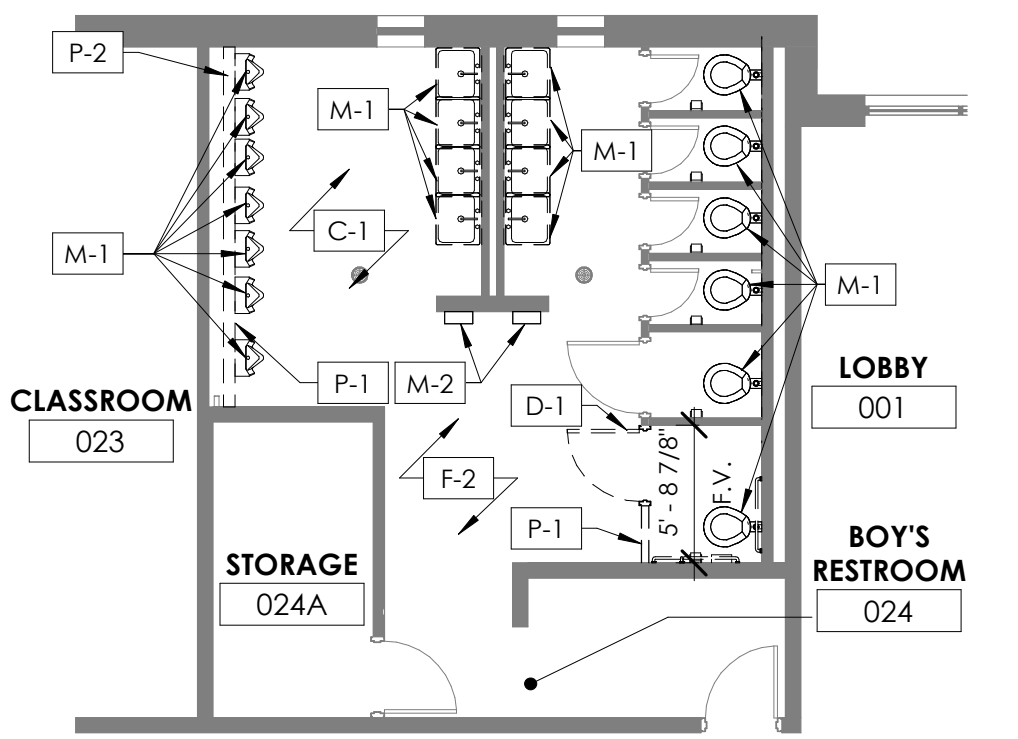
BOYS' RR 2 - REFLECTED CEILING PLAN



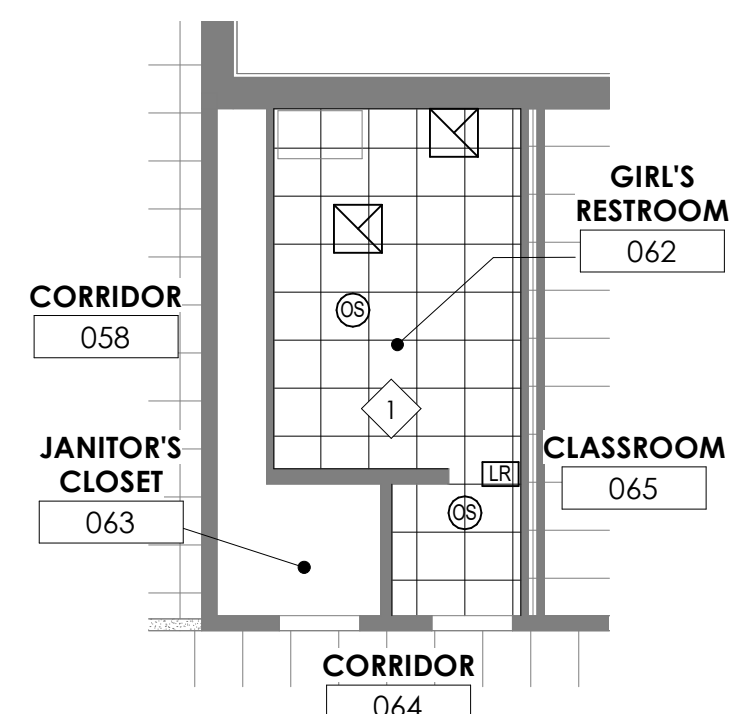
BOYS' RR 1 - REFLECTED CEILING PLAN



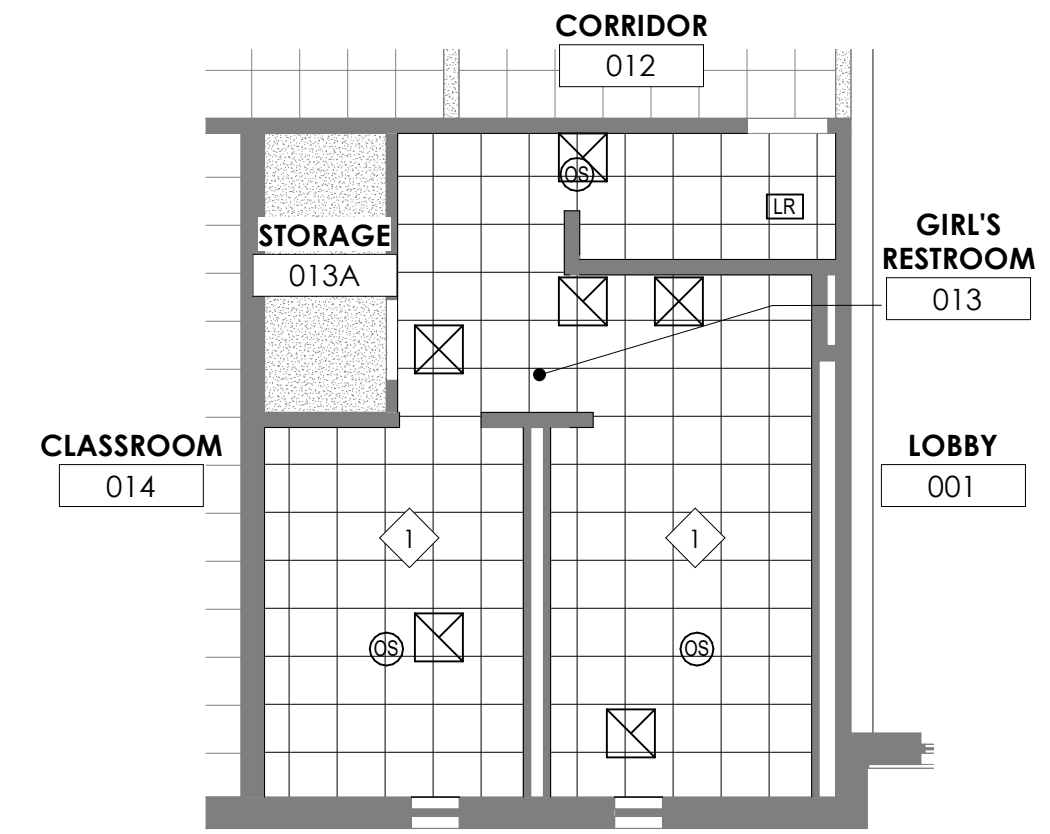
BOYS' RR 2 - DEMOLITION FLOOR PLAN



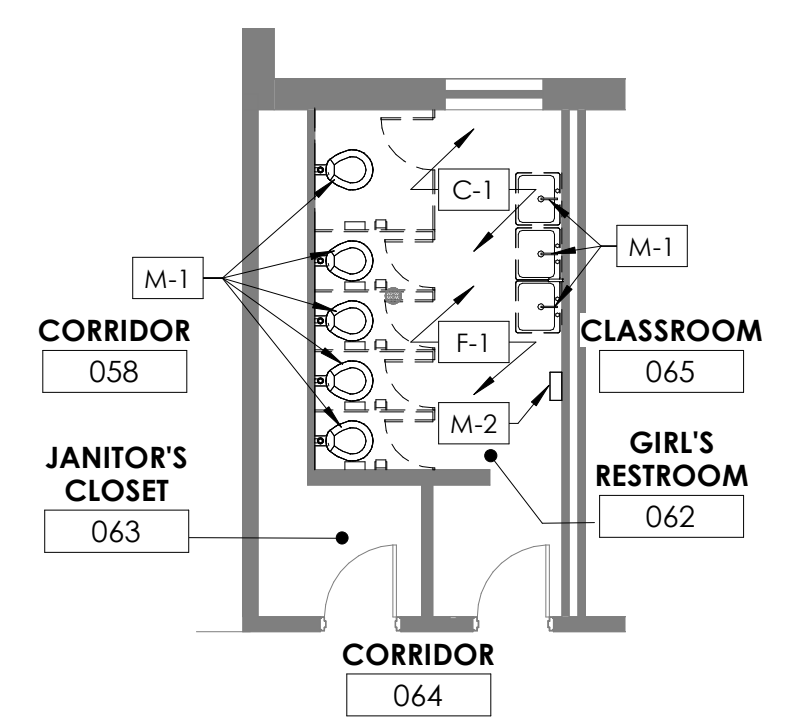
BOYS' RR 1 - DEMOLITION FLOOR PLAN C
A1.1



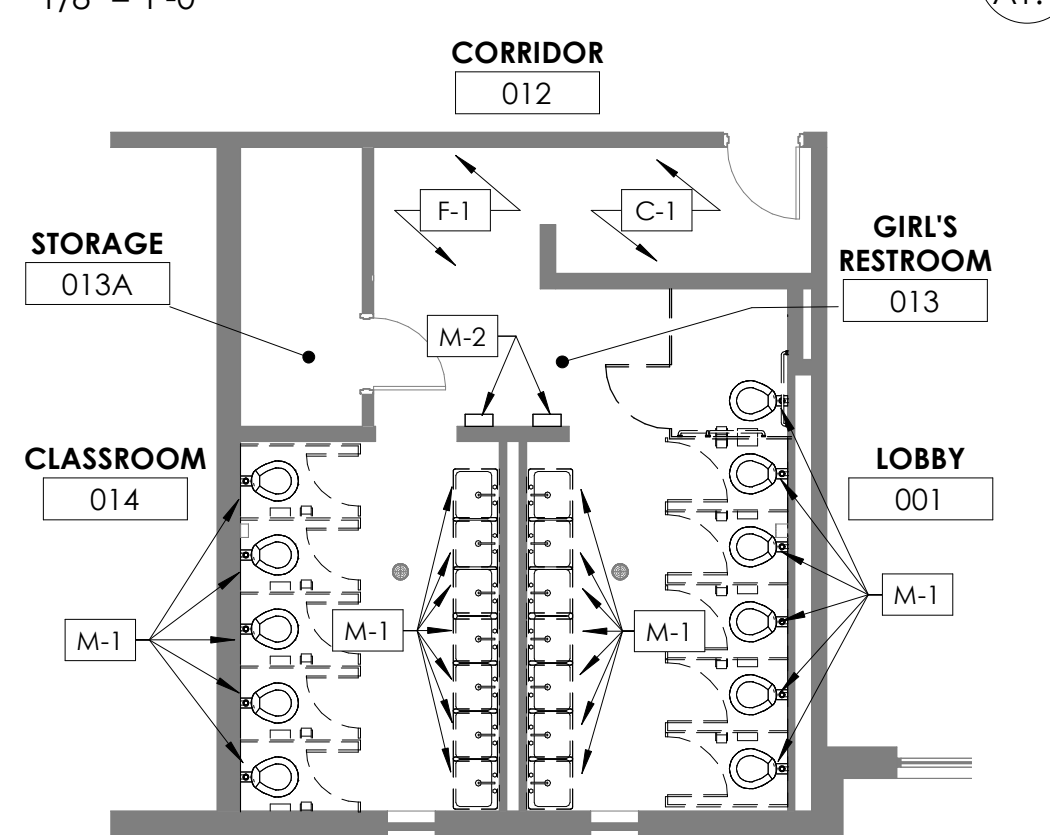
GIRLS' RR 2 - REFLECTED CEILING PLAN H
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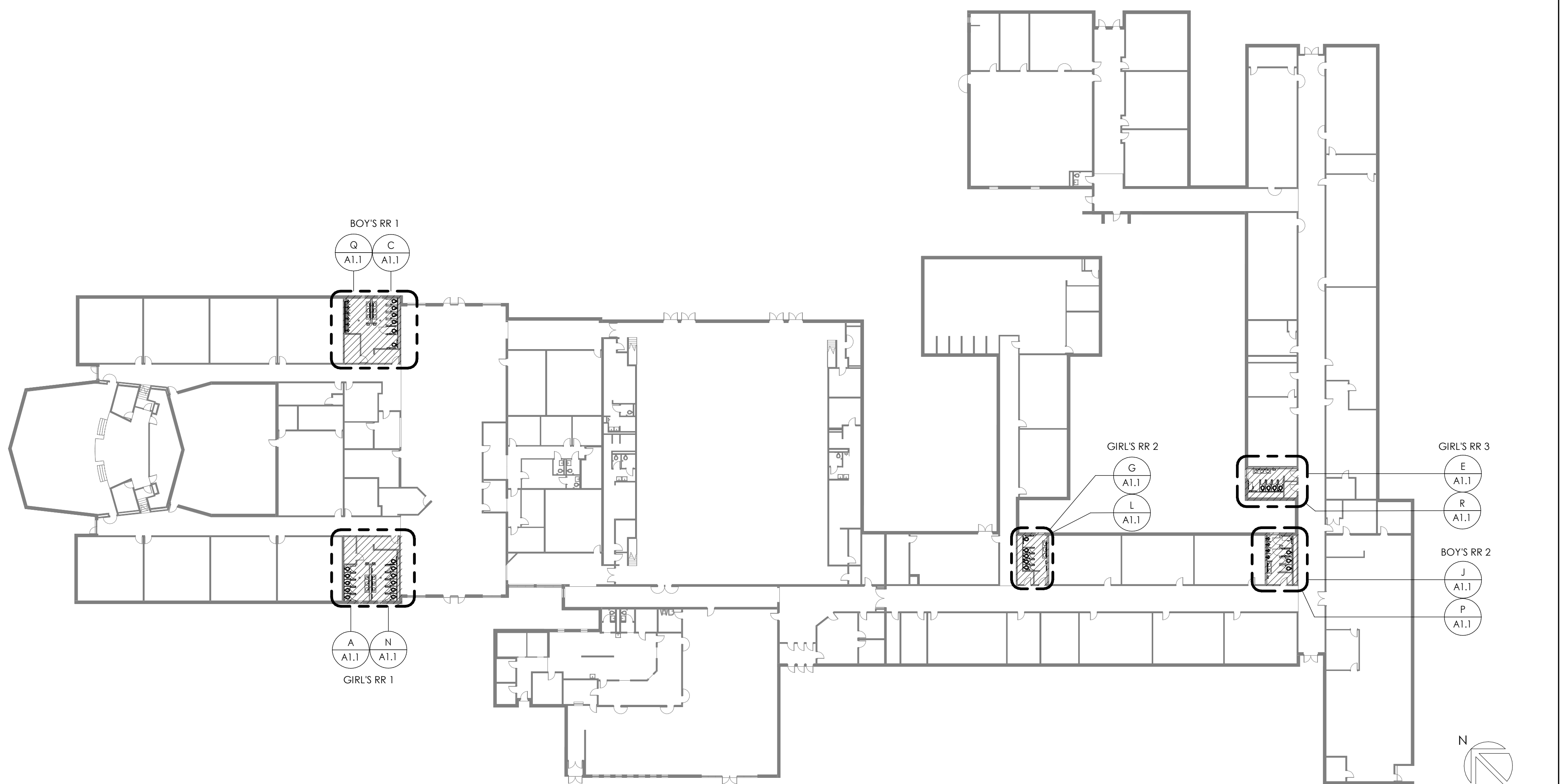
GIRLS' RR 1 - REFLECTED CEILING PLAN



GIRLS' RR 2 - DEMOLITION FLOOR PLAN



GIRLS' RR 1 - DEMOLITION FLOOR PLAN



FIRST FLOOR - KEY PLAN
1/32" = 1'-0"

MATERIAL REFERENCE	
101550.A	Toilet Compartment
101550.B	Urinal Screen

DEMOLITION NOTES

CEILING DEMOLITION NOTES:

C-1 REMOVE EXISTING CEILING TILE & GRID IN ITS ENTIRETY. DOOR DEMOLITION NOTES:

D-1 SALVAGE EXISTING METAL FRAME, DOOR, HAND AND HARDWARE AND TURN OVER TO OWNER.

D-2 SALVAGE EXISTING HARDWARE AND RETURN TO OWNER. PREPARE DOOR FOR NEW WORK

FINISH DEMOLITION NOTES:

F-1 REMOVE EXISTING MOSAIC TILE BASE IN ITS ENTIRETY AND PREPARE FOR NEW WORK.

F-2 REMOVE EXISTING GLAZE EPOXY FLOORING AND BASE IN THEIR ENTIRETY. PREPARE SLAB FOR NEW WORK.

MISCELLANEOUS DEMOLITION:


M-1 REMOVE EXISTING PLUMBING FIXTURE, PARTITION, AND ALL OTHER TOILET ACCESSORY ITEMS. (HAND DRYER, PAPER TOWEL DISPENSER, ETC.) REFER TO ELECTRICAL DRAWINGS FOR MORE INFORMATION.

M-2 REMOVE EXISTING HAND DRYER. REFER TO ELECTRICAL DRAWINGS FOR MORE INFORMATION.

PARTITION DEMOLITION NOTES:

P-1 REMOVE PORTION OF EXISTING WALL, EXISTING WALL MAY BE A BEARING WALL. SHORE AND BRACE AS NECESSARY PRIOR TO DEMOLITION. PREPARE FOR NEW WALL.

P-2 REMOVE PORTION OF EXISTING WALL UP TO 4'-0" AFF. EXISTING WALL MAY BE A BEARING WALL. SHORE AND BRACE AS NECESSARY PRIOR TO DEMOLITION.


#

PLAN NOTES

1 FIELD VERIFY ALL EXISTING FIXTURE LOCATIONS. FIELD VERIFY DIMENSIONS AND WALL THICKNESS OF PARTITIONS. NEW PLUMBING FIXTURES AND PARTITIONS TO BE INSTALLED AT THE SAME LOCATIONS AS THE ORIGINAL FIXTURES AND PARTS, U.S.G.

2 PATCH AND REPAIR WALL AS REQUIRED.


3 PROVIDE AND TOOTH IN NEW GLASS BLOCK UNIT AS NECESSARY.

4 NEW HAND DRYER TO BE INSTALLED AT THE SAME LOCATION. FIELD VERIFY. REFER TO ELECTRICAL DRAWINGS FOR MORE INFORMATION.

5 NEW HARDWARE TO BE INSTALLED AT THE SAME HEIGHT AS THE ORIGINAL HARDWARE. (0871100)

NOTES:	
1.	COORDINATE ALL PLUMBING FIXTURES AND TOILET ACCESSORIES WITH THE PLUMBING ENGINEER.
TOILET ACCESSORY LEGEND	
AUR	ACCESSIBLE URINAL
AWC	ACCESSIBLE WATER CLOSET
EHD	ELECTRIC HAND DRYER
GB-36	36" GRAB BAR
GB-42	42" GRAB BAR
LAV	LAVATORY
MR 1	MIRROR 18" x 30"
MR 2	MIRROR 24" x 60"
SD	SOAP DISPENSER
SND	SANITARY NAPKIN DISPOSAL
TPH	TOILET PAPER HOLDER
UR	STANDARD HEIGHT URINAL
VCGB	18" VERTICAL GRAB BAR
WC	STANDARD WATER CLOSET

	#	RCP NOTES
1		NEW CEILING TO BE INSTALLED AT THE SAME HEIGHT AND CONFIGURATION AS ORIGINAL CEILING, FIELD VERIFY.



rosstarrant
architects

101 oldfayette avenue lewington, kentucky 40302 p 859.254.4018

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DEMOLITION FLOOR PLANS, NEW FLOOR PLANS & RCP

KING MIDDLE SCHOOL RESTROOM RENOVATIONS

FOR:

MERCER COUNTY BOARD OF EDUCATION

HARRODSBURG, KENTUCKY

M.E.A.P. Engineer:
 CMTA, Inc.
 220 Lex, Green Circle, Ste. 600
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Project No: 2282
 Drawn By: BR
 Rev'd By: BB/RB

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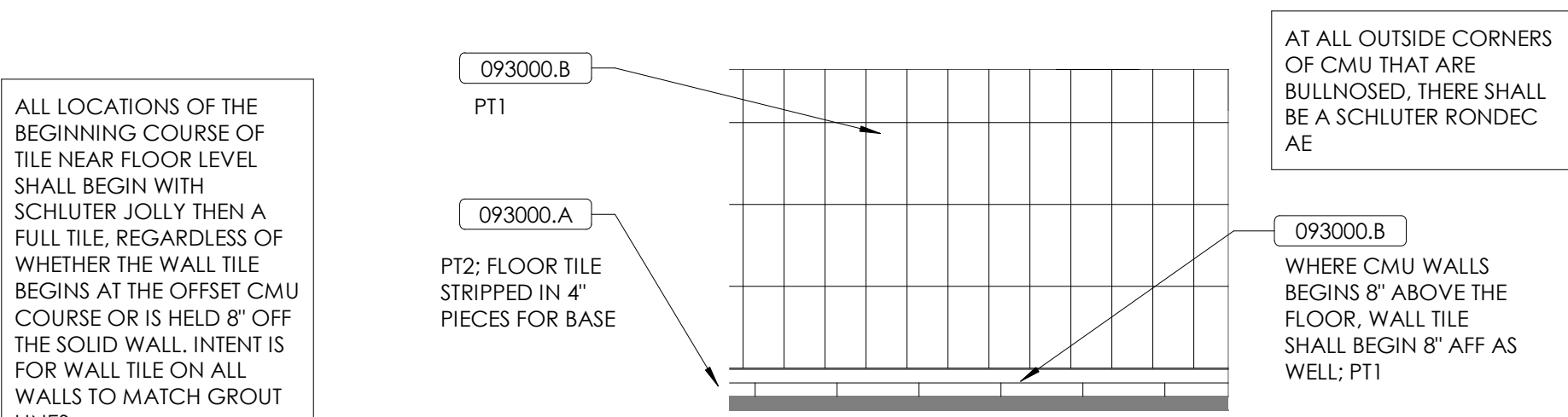
CONSTRUCTION DOCUMENTS

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DEMOLITION FLOOR PLANS,
NEW FLOOR PLANS & RCP

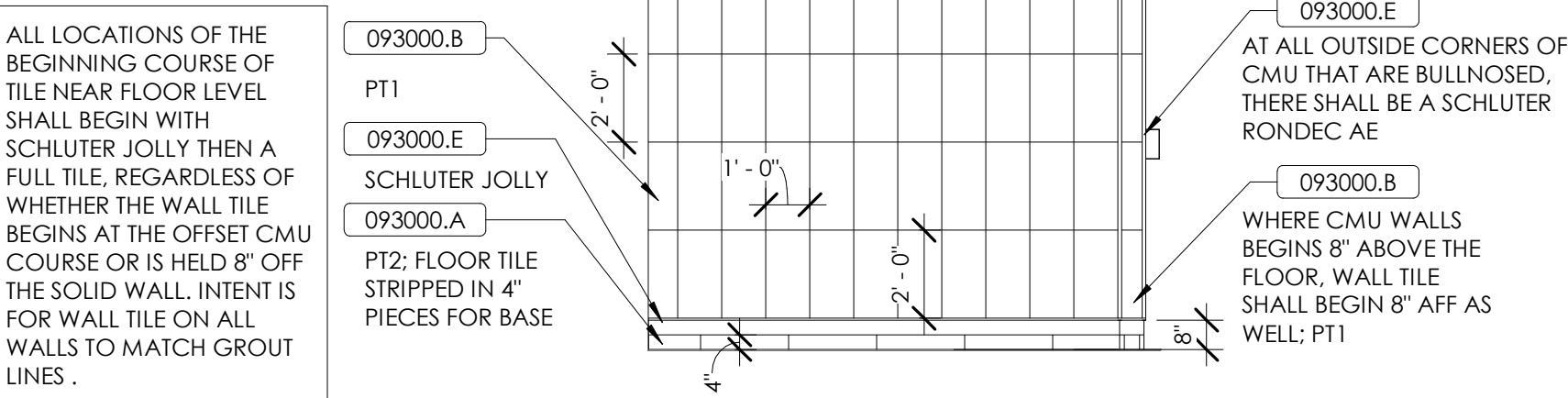
DATE ISSUED:
07/10/2023

REVISIONS			ROOM FINISH SCHEDULE											FINISH LEGEND			
#	DATE	DESCRIPTION	ROOM NO.	ROOM NAME	FLOOR FINISH	BASE FINISH	NORTH WALL	EAST WALL	SOUTH WALL	WEST WALL	CEILING FINISH	COMMENTS	SPEC SECTION	KEY	BASIS OF DESIGN		
			001	LOBBY	ETR		ETR	ETR	ETR	ETR	ETR			ETR	EXISTING TO REMAIN		
			012	CORRIDOR	ETR & Coordinate with new transition at restroom door.	ETR	ETR	ETR	ETR	ETR	ETR			ETR			
			013	GIRL'S RESTROOM	Base Bid - RF1 / Alt #5 - PT2	Base Bid - RF1 flashed up wall / Alt #5 - PT2 Base	Base Bid - P1 / Alt #3 - FRP1; Alt #4 - PT1	Base Bid - P1 / Alt #3 - FRP1; Alt #4 - PT1	Base Bid - P1 & Area of PT1 / Alt #1 - Area of FRP1 / Alt #2 - Area of PT1 / Alt #3 - FRP1; Alt #4 - PT1	Base Bid - P1 / Alt #3 - FRP1; Alt #4 - PT1	ACP1	PT1 or FRP1 shall be full height and begin 8" above RF1 or PT1 base. See Floorplan for all areas of wall finish in Alt #1 and #2; Alt #3 and #4 includes all restroom walls full height.	092116	FRP1	FIBERGLASS REINFORCED PANELS - TILE PATTERN		
													093000	PT1	PORCELAIN WALL TILE		
														PT2	PORCELAIN FLOOR TILE - ALT #4		
													095113	ACP1	CEILING TILE - 2X4 SQUARE EDGE		
													096723	FP1	FLOOR PREP PRIOR TO RESINOUS FLAKE EPOXY		
														RF1	RESINOUS FLAKE EPOXY		
													099000	P1	PAINTING - TYPICAL		
														P2	PAINTING - DOOR FRAMES		
														P3	PAINTING - CEILING PAINT (NEEDED?)		
														P4	PAINTING - ACCENT PAINT		
													101550	TC1	TOILET COMPARTMENTS AND URINAL SCREENS		
													102800		TOILET AND BATH ACCESSORIES		
			013A	STORAGE	ETR? or New RF1?	ETR? or New RF1 flashed up wall?	ETR	ETR	ETR	ETR	ETR						
			014	CLASSROOM	ETR	ETR	ETR	ETR	ETR	ETR	ETR						
			019	CORRIDOR	ETR & Coordinate with new transition at restroom door.	ETR	ETR	ETR	ETR	ETR	ETR						
			023	CLASSROOM	ETR	ETR	ETR	ETR	ETR	ETR	ETR						
			024	BOY'S RESTROOM	Base Bid - RF1 / Alt #5 - PT2	Base Bid - RF1 flashed up wall / Alt #5 - PT2 Base	Base Bid - P1 & Area of PT1 / Alt #1 - Area of FRP1 / Alt #2 - Area of PT1 / Alt #3 - FRP1; Alt #4 - PT1	Base Bid - P1 / Alt #3 - FRP1; Alt #4 - PT1	Base Bid - P1 & Area of PT1 / Alt #2 - Area of FRP1 / Alt #3 - FRP1; Alt #4 - PT1	Base Bid - P1 / Alt #3 - FRP1; Alt #4 - PT1	ETR	PT1 or FRP1 shall be full height and begin 8" above RF1 base. See Floorplan for all areas of wall finish in Alt #1 and #2; Alt #3 and #4 includes all restroom walls full height except CMU toilet partition walls.					
			024A	STORAGE	ETR? or New RF1?	ETR? or New RF1 flashed up wall?	ETR	ETR	ETR	ETR	ETR						
			058	CORRIDOR	ETR	ETR	ETR	ETR	ETR	ETR	ETR						
			062	GIRL'S RESTROOM	Base Bid - RF1 / Alt #5 - PT2	Base Bid - RF1 flashed up wall / Alt #5 - PT2 Base	Base Bid - P1 & Area of PT1 / Alt #1 - Area of FRP1 / Alt #2 - Area of PT1 / Alt #3 - FRP1; Alt #4 - PT1	Base Bid - P1 / Alt #3 - FRP1; Alt #4 - PT1	Base Bid - P1 & Area of PT1 / Alt #2 - Area of FRP1 / Alt #3 - FRP1; Alt #4 - PT1	Base Bid - P1 / Alt #3 - FRP1; Alt #4 - PT1	ETR	PT1 or FRP1 shall be full height and begin 8" above RF1 base. See Floorplan for all areas of wall finish in Alt #1 and #2; Alt #3 and #4 includes all restroom walls full height.					
			063	JANITOR'S CLOSET	ETR	ETR	ETR	ETR	ETR	ETR	ETR						
			064	CORRIDOR	ETR & Coordinate with new transition at restroom door.	ETR	ETR	ETR	ETR	ETR	ETR						
			065	CLASSROOM	ETR	ETR	ETR	ETR	ETR	ETR	ETR						
			067	CLASSROOM	ETR	ETR	ETR	ETR	ETR	ETR	ETR						
			068	BOY'S RESTROOM	Base Bid - RF1 / Alt #5 - PT2	Base Bid - RF1 flashed up wall / Alt #5 - PT2 Base	Base Bid - P1 & Area of PT1 / Alt #1 - Area of FRP1 / Alt #2 - Area of PT1 / Alt #3 - FRP1; Alt #4 - PT1	Base Bid - P1 / Alt #3 - FRP1; Alt #4 - PT1	Base Bid - P1 & Area of PT1 / Alt #2 - Area of FRP1 / Alt #3 - FRP1; Alt #4 - PT1	Base Bid - P1 / Alt #3 - FRP1; Alt #4 - PT1	ACP1	PT1 or FRP1 shall be full height and begin 8" above RF1 base. See Floorplan for all areas of wall finish in Alt #1 and #2; Alt #3 and #4 includes all restroom walls full height.					
			069	JANITOR'S CLOSET	ETR	ETR	ETR	ETR	ETR	ETR	ETR						
			070	GIRL'S RESTROOM	Base Bid - RF1 / Alt #5 - PT2	Base Bid - RF1 flashed up wall / Alt #5 - PT2 Base	Base Bid - P1 / Alt #3 - FRP1; Alt #4 - PT1	Base Bid - P1 / Alt #3 - FRP1; Alt #4 - PT1	Base Bid - P1 & Area of PT1 / Alt #2 - Area of FRP1 / Alt #3 - FRP1; Alt #4 - PT1	Base Bid - P1 / Alt #3 - FRP1; Alt #4 - PT1	ACP1	PT1 or FRP1 shall be full height and begin 8" above RF1 base. See Floorplan for all areas of wall finish in Alt #1 and #2; Alt #3 and #4 includes all restroom walls full height.					
			071	CLASSROOM	ETR	ETR	ETR	ETR	ETR	ETR	ETR						
			085	CORRIDOR	ETR & Coordinate with new transition at restroom door.	ETR	ETR	ETR	ETR	ETR	ETR						



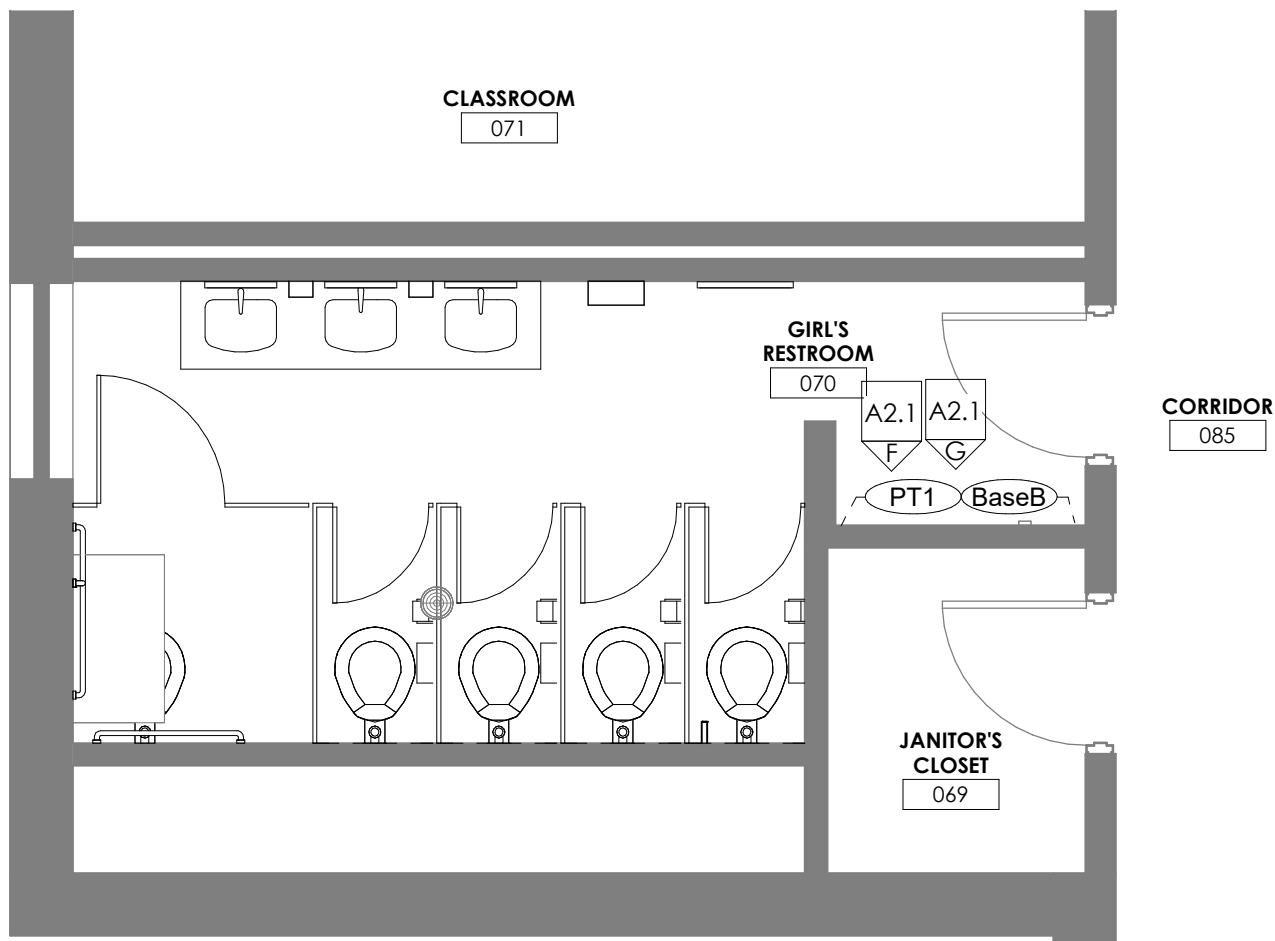
TYPICAL WALL - CMU TO FLOOR - Base Bid

1/4" = 1'-0"



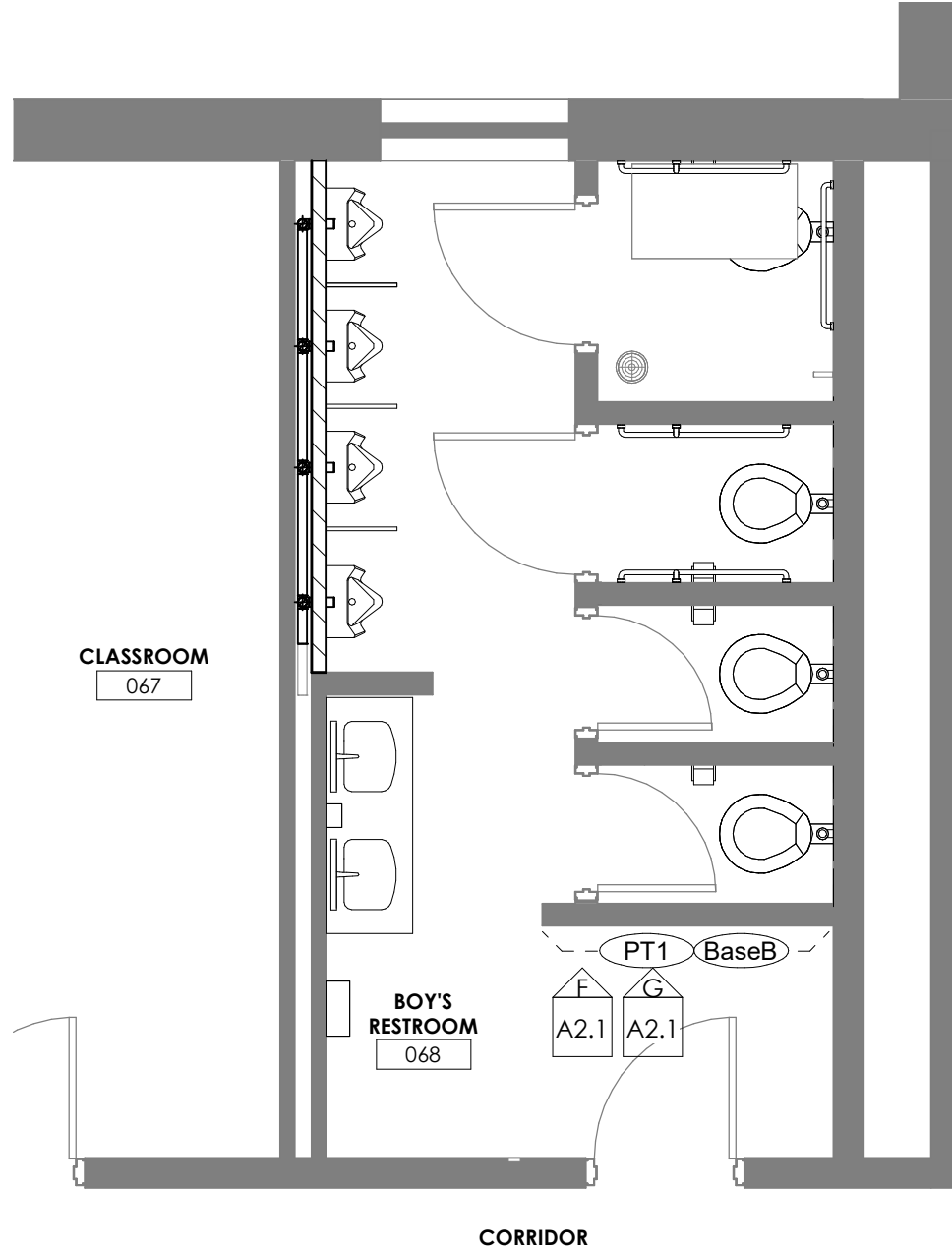
TYPICAL WALL - OFFSET CMU - Base Bid

1/4" = 1'-0"



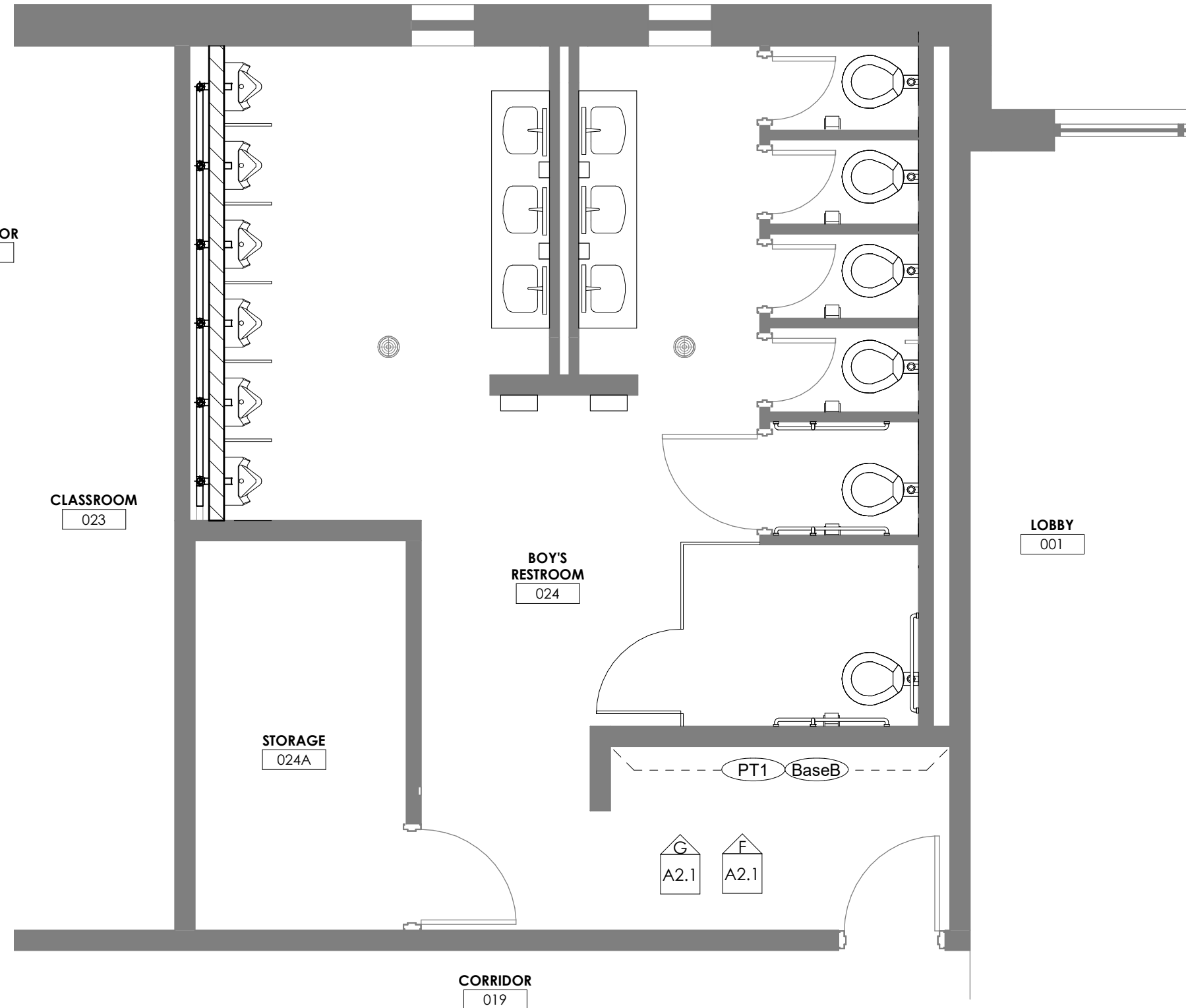
GIRLS' RR 3 - INTERIORS

1/4" = 1'-0"



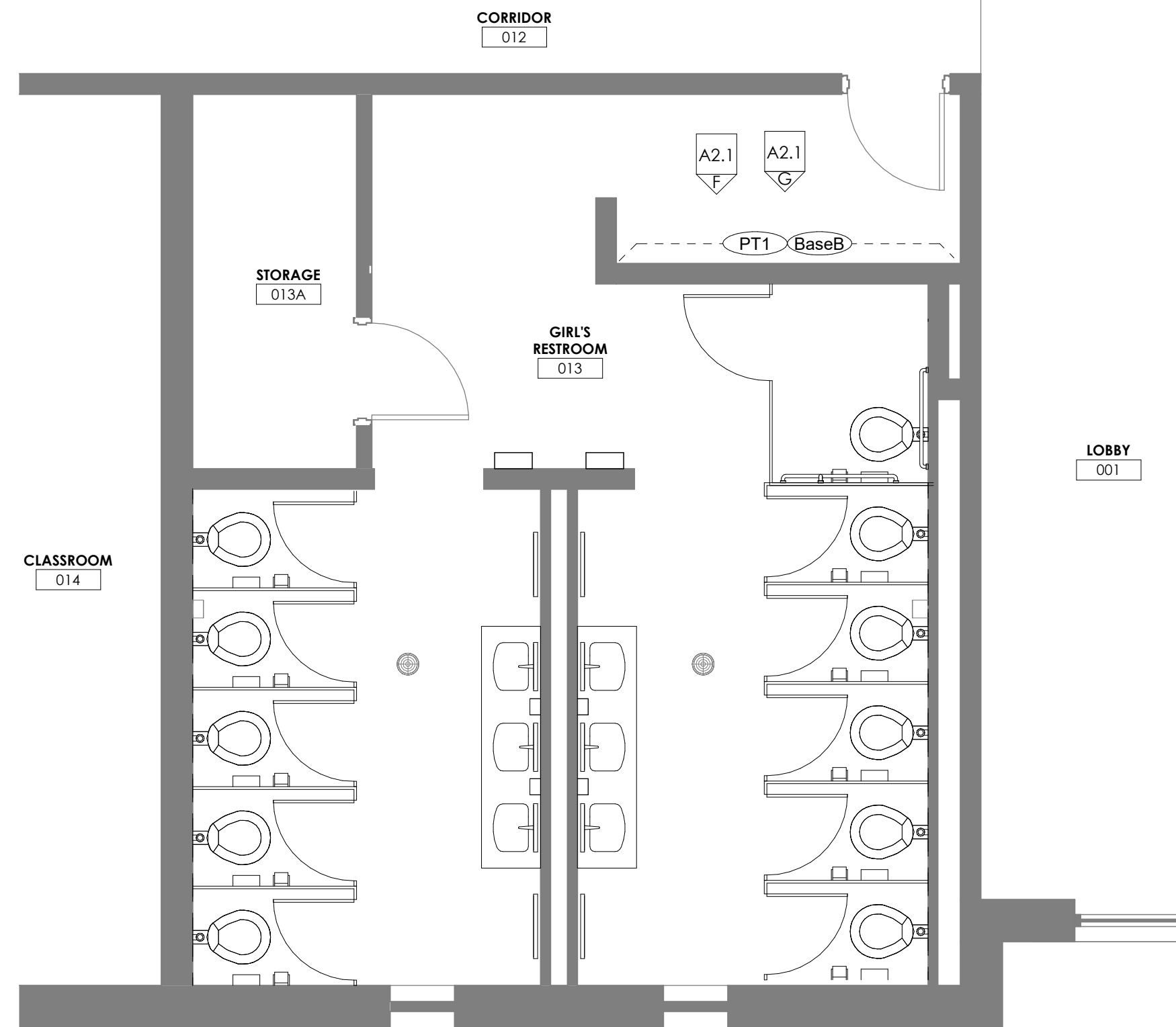
BOYS' RR 2 - INTERIORS

1/4" = 1'-0"



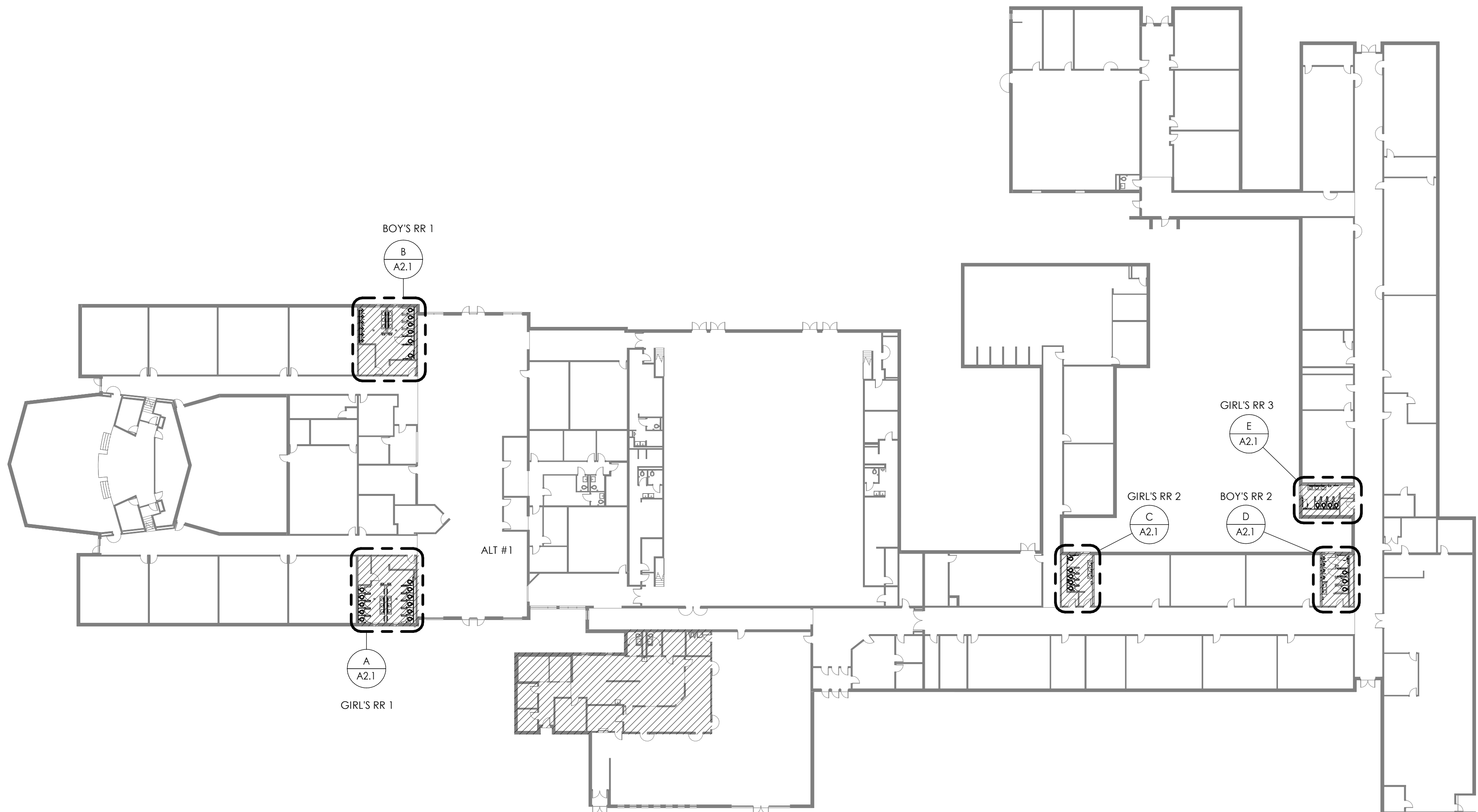
BOYS' RR 1 - INTERIORS

1/4" = 1'-0"



GIRLS' RR 1 - INTERIORS

1/4" = 1'-0"



FIRST FLOOR - KEY PLAN

1/32" = 1'-0"

3

A2.1

MATERIAL REFERENCE

093000.A	Ceramic Tile
093000.B	Wall Tile
093000.E	Edge Strip

ROOM FINISH NOTES

- ALL WALLS, GYPSUM BOARD CEILINGS, METAL DECKING, STRUCTURAL ELEMENTS, CONDUIT, ALL UNFINISHED SURFACES EXPOSED AFTER CONSTRUCTION IS COMPLETE SHALL RECEIVE PAINT UNLESS OTHERWISE NOTED.
- REFER TO FLOOR PLANS FOR WALL ASSEMBLY TYPES. ADDITIONAL INFORMATION ON CEILINGS AND SOFFIT LOCATIONS.
- PROVIDE COLOR MATCHING CAULK AT THE INTERSECTION OF HOLLOW METAL FRAMES AND HARD SURFACE FLOORING, TYP.
- IN SOME CASES MORE THAN ONE TYPE OF FLOORING AND/OR CEILING FINISH WILL OCCUR IN ONE SPACE. REFER TO FLOOR PLANS, REFLECTED CEILING PLANS, FINISH SCHEDULE AND THE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- ALL LOUVERS, GRILLS, REGISTERS & DIFFUSERS SHALL BE PAINTED TO MATCH THE SURFACE ON WHICH THEY OCCUR.



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ENLARGED FLOOR PLANS - INTERIORS
KING MIDDLE SCHOOL RESTROOM RENOVATIONS
FOR:
MERCER COUNTY BOARD OF EDUCATION
HARRODSBURG, KENTUCKY

M.E.&P. Engineer:
CMTA, Inc.
220 Lex. Green Circle, Ste. 600
Lexington, KY 40503
p. 859.253.0892

BG# 23-289

Project No.: 2282
Drawn By: KC
Rev'd By: BB/DS

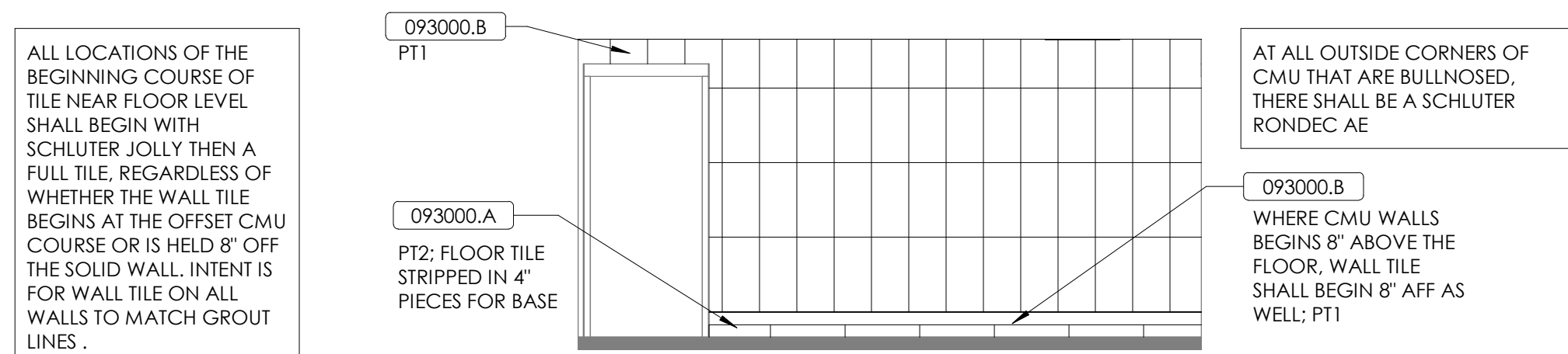
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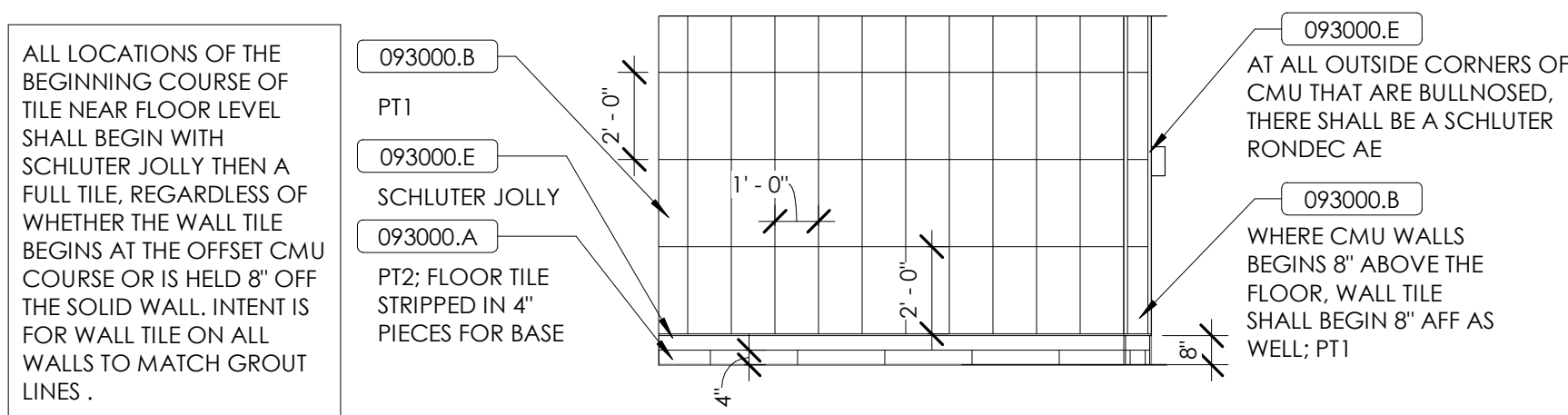
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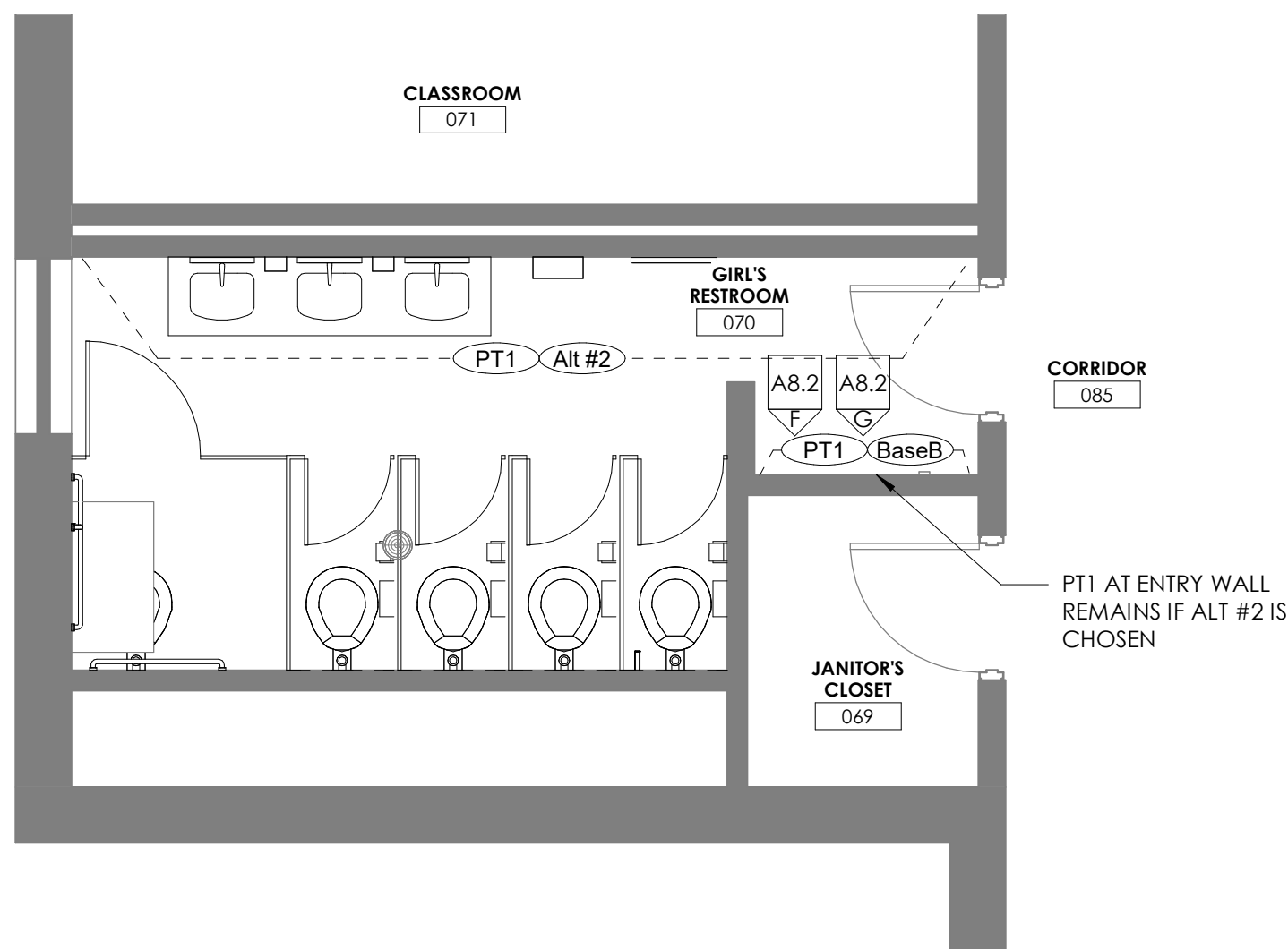
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ENLARGED FLOOR PLANS - INTERIORS
DATE ISSUED: 01/10/2023

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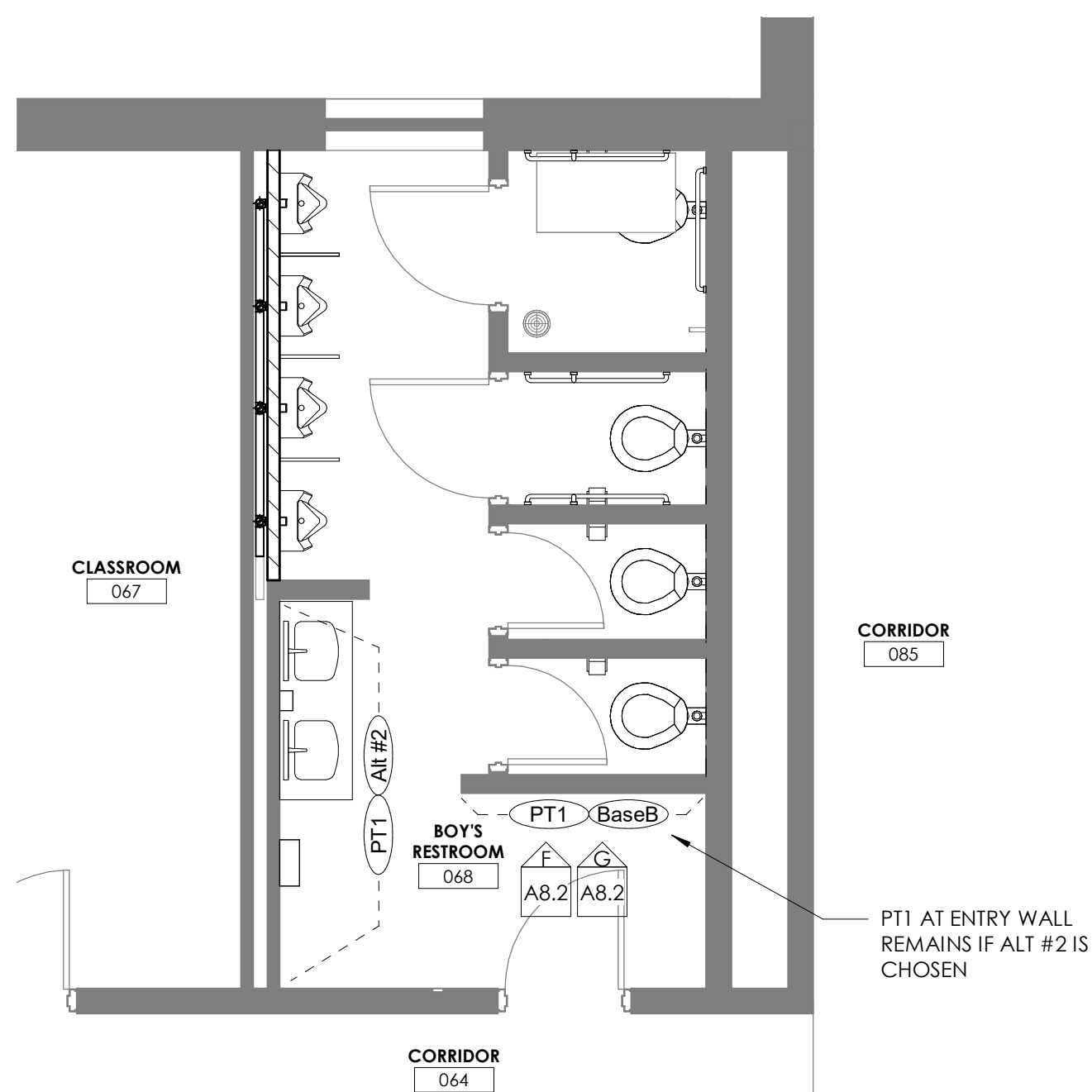
TYPICAL WALL - CMU TO FLOOR - ALT #2



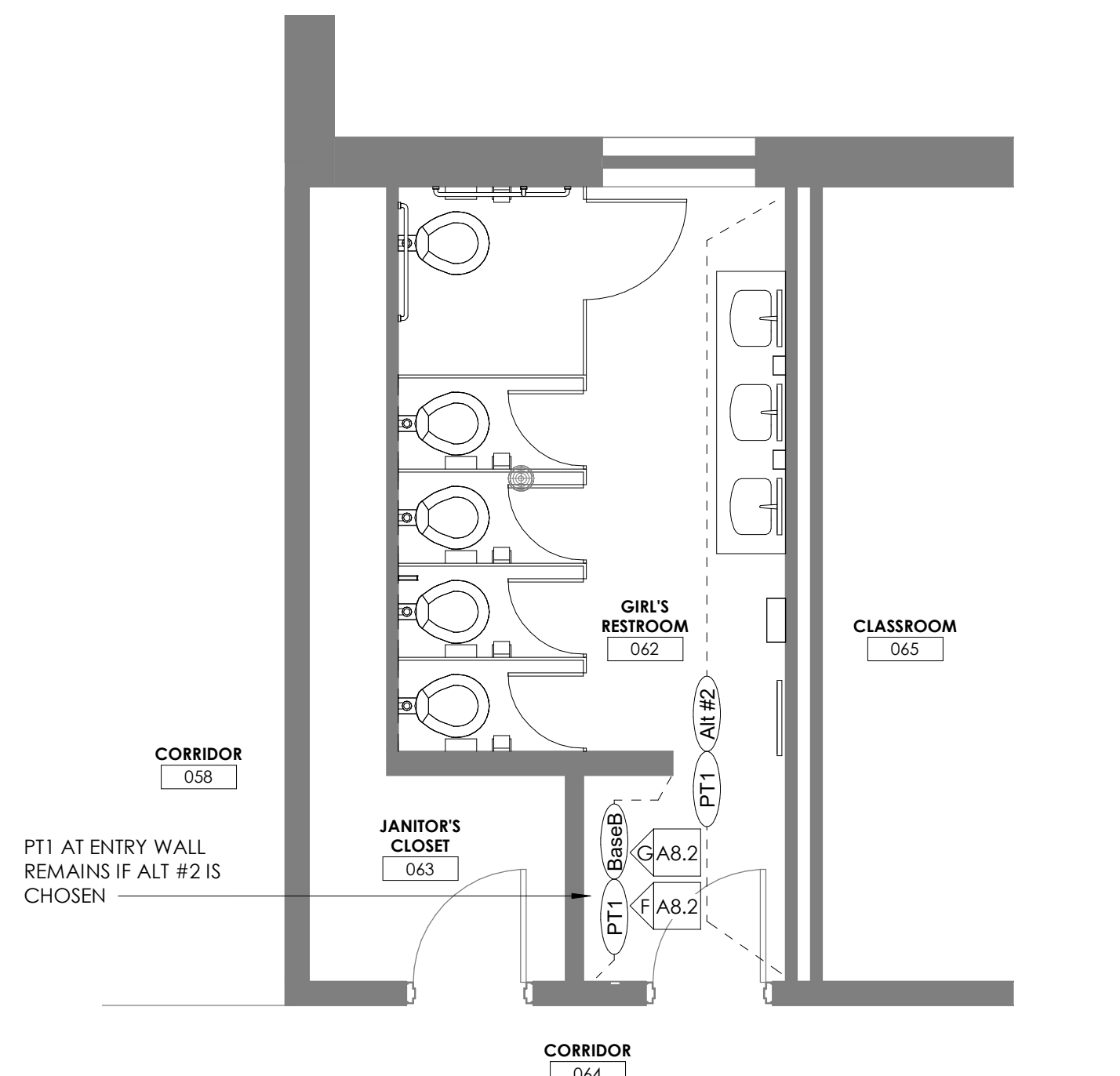
TYPICAL WALL - OFFSET CMU - ALT #2



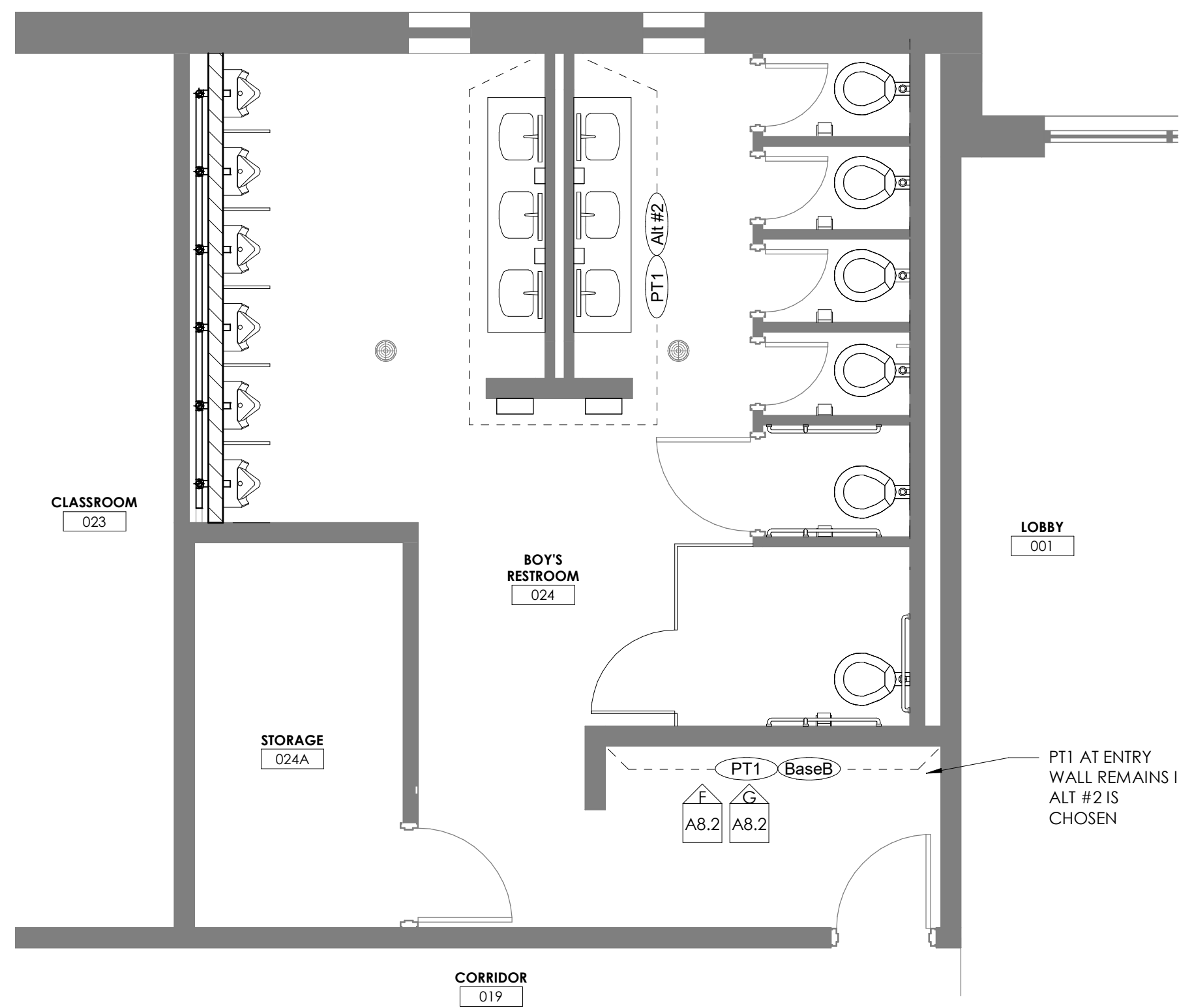
GIRLS' RR 3 - INTERIORS



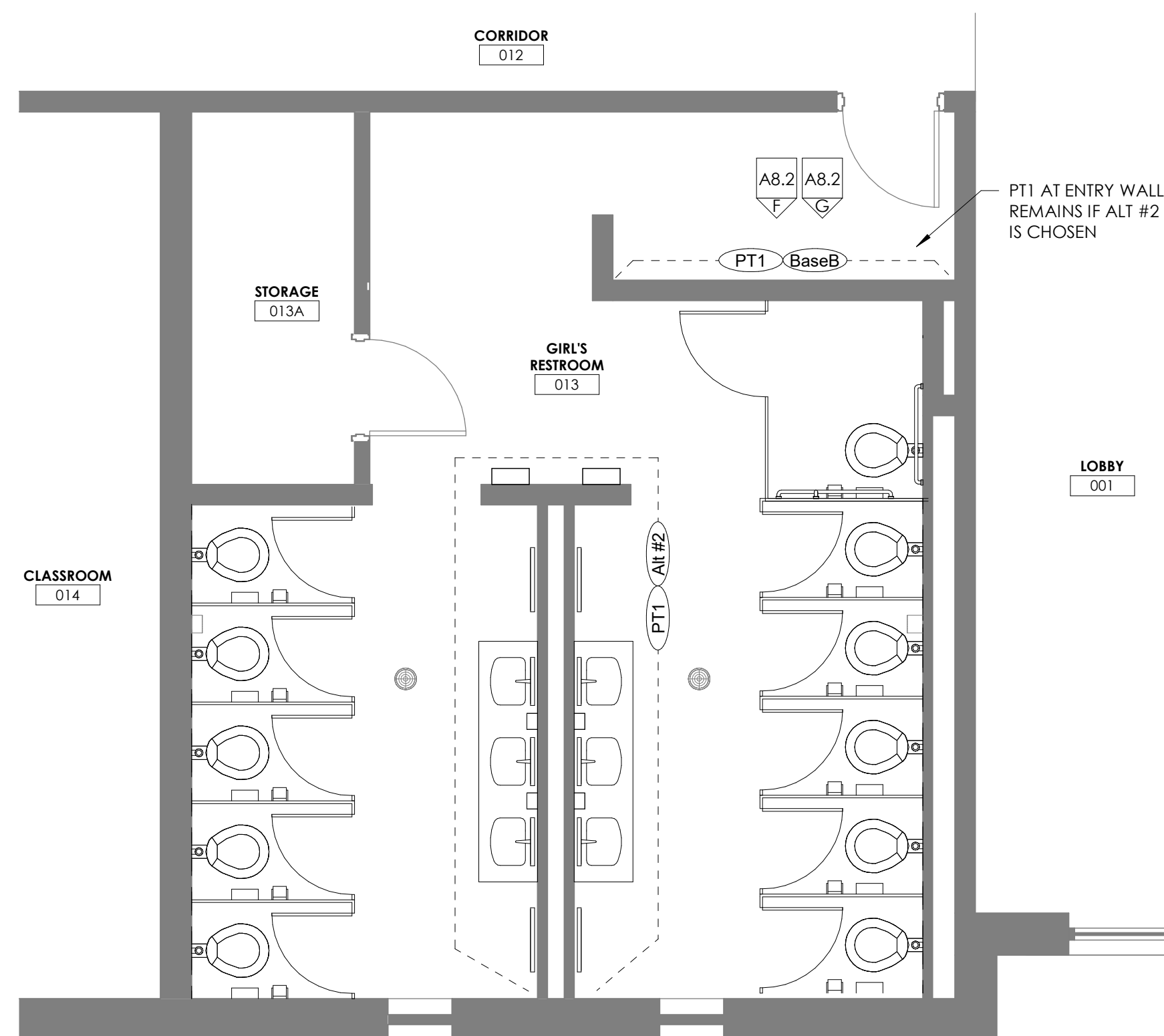
BOYS' RR 2 - INTERIORS



GIRLS' RR 2 - INTERIORS



BOYS' RR 1 - INTERIORS




GIRLS' RR 1 - INTERIORS

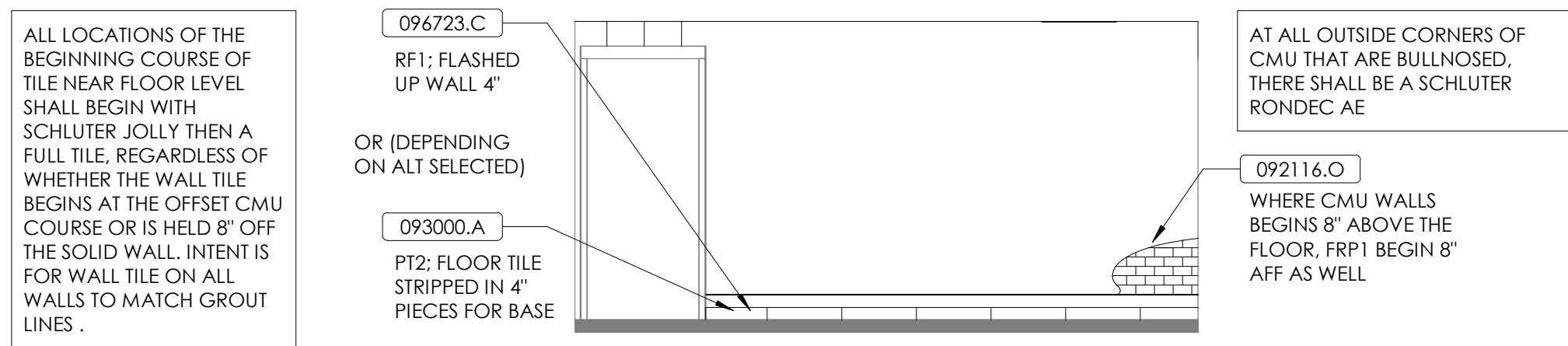
MATERIAL REFERENCE	
093000.A	Ceramic Tile
093000.B	Wall Tile
093000.E	Edge Strip

ROOM FINISH NOTES

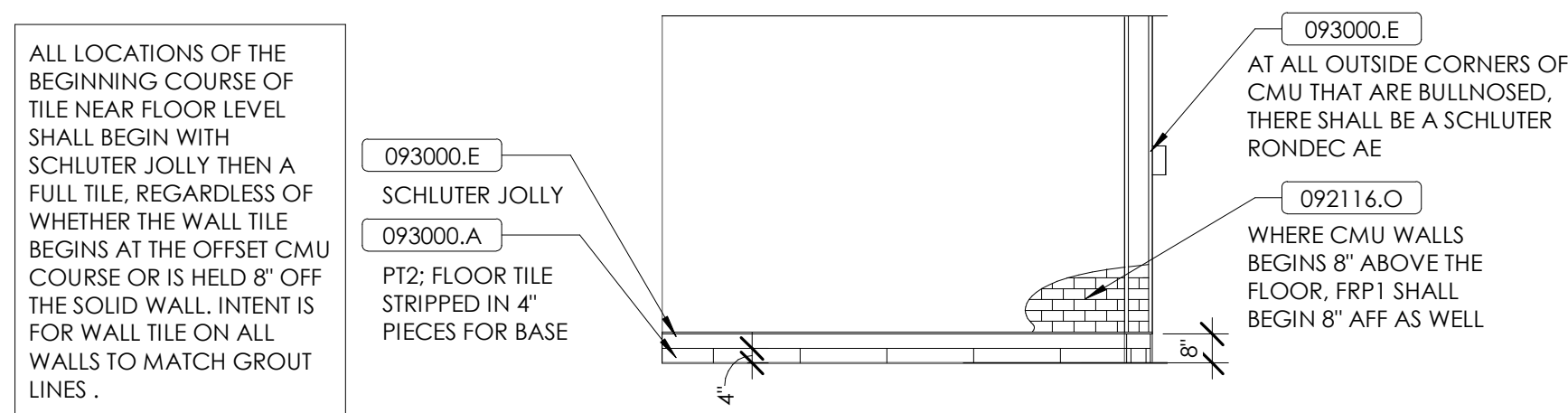
1. ALL WALLS, GYPSUM BOARD CEILINGS, METAL DECKING, STRUCTURAL ELEMENTS, CONDUIT, ALL UNFINISHED SURFACES EXPOSED AFTER CONSTRUCTION IS COMPLETE SHALL RECEIVE PAINT UNLESS OTHERWISE NOTED.
2. REFER TO FLOOR PLANS FOR WALL ASSEMBLY TYPES.
3. REFER TO REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION ON CEILINGS AND SOFFIT LOCATIONS.
4. PROVIDE COLOR MATCHING CAULK AT THE INTERSECTION OF HOLLOW METAL FRAMES AND HARD SURFACE FLOORING TYPE.
5. IN SOME CASES MORE THAN ONE TYPE OF FLOORING AND/OR CEILING FINISH WILL OCCUR IN ONE SPACE - REFER TO FLOOR PLANS, REFLECTED CEILING PLANS, FINISH SCHEDULE AND ALL SPECIFICATIONS FOR ADDITIONAL INFORMATION.
6. ALL LOUVERS, GRILLS, REGISTERS & DIFFUSERS SHALL BE PAINTED TO MATCH THE SURFACE ON WHICH THEY OCCUR.

ALTERNATES	
ALT. # 1	PROVIDE FRP IN LIEU OF BASE BID PORCELAIN TILE.
ALT. # 2	PORCELAIN TILE ON SINK AND HAND DRYER WALLS.
ALT. # 3	PROVIDE FRP ON ALL RESTROOM WALLS.
ALT. # 4	PROVIDE PORCELAIN TILE ON ALL RESTROOM WALLS.
ALT. # 5	PROVIDE PORCELAIN TILE ON ALL RESTROOM FLOORS IN LIEU OF FLAKE EPOXY.

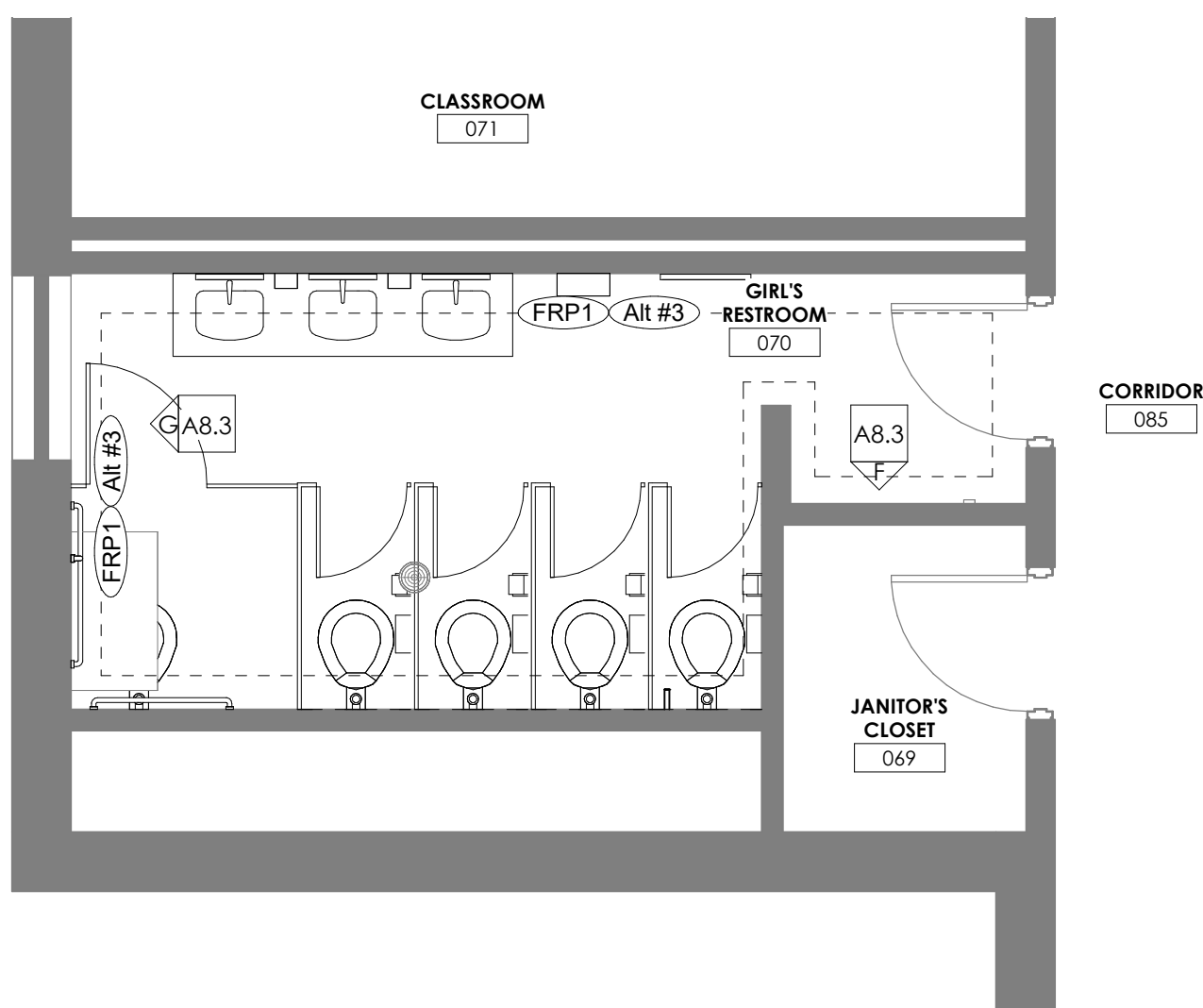
 rosstarrant architects 101 old chagellette avenue lexington, kentucky 40502 p 859.254.4018		NOT FOR CONSTRUCTION	
<div>ALTERNATE #2</div> <div>KING MIDDLE SCHOOL RESTROOM RENOVATIONS</div> <div>FOR:</div> <div>MERCER COUNTY BOARD OF EDUCATION</div> <div>HARRODSBURG, KENTUCKY</div>			
<div>M.E.&P Engineer:</div> <div>CITA, Inc.</div> <div>220 Lex. Green Circle, Ste. 400</div> <div>Lexington, KY 40503</div> <div>p 519.253.0892</div>			
BG#		23-289	
<div>Project No: 2282</div> <div>Drawn By: KC</div> <div>Rev'd By: BB/DJS</div>			
SHEET RELEASE			
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CONSTRUCTION DOCUMENTS			
A8.2			
ALTERNATE #2			
DATE ISSUED: 01/10/2023			

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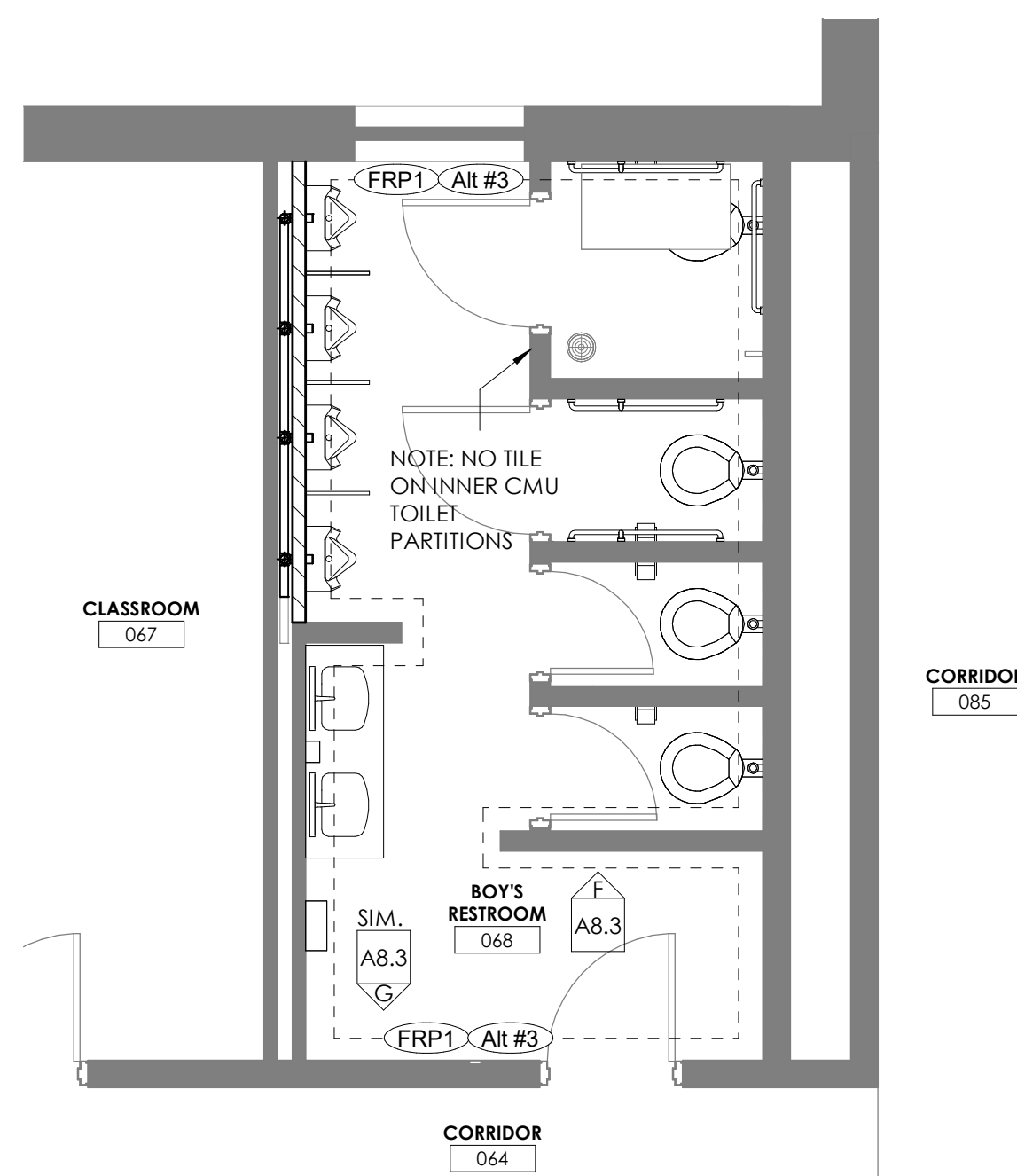
TYPICAL WALL - CMU TO FLOOR - ALT #3
1/4" = 1'-0"



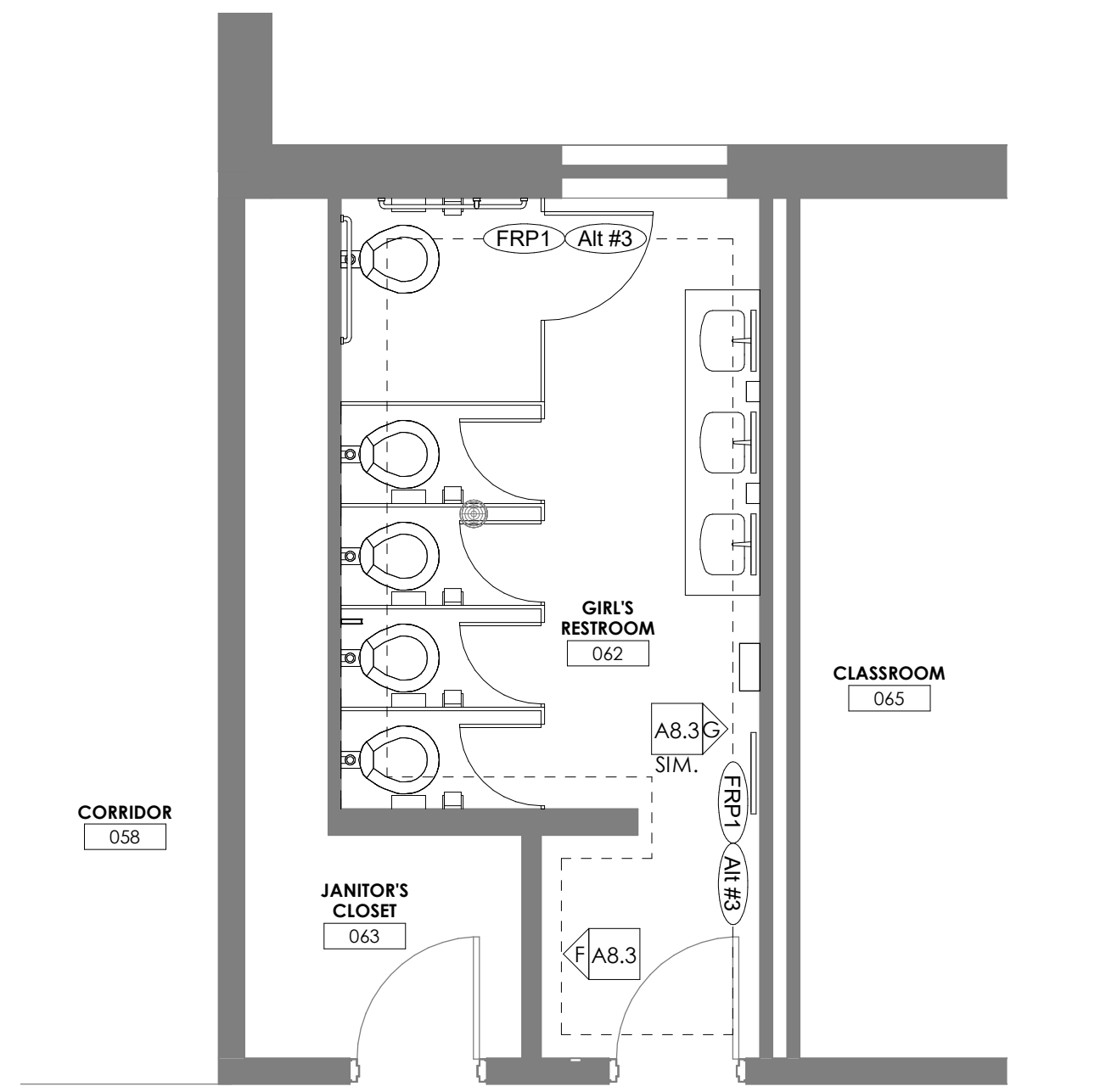
TYPICAL WALL - OFFSET CMU - ALT #3
1/4" = 1'-0"



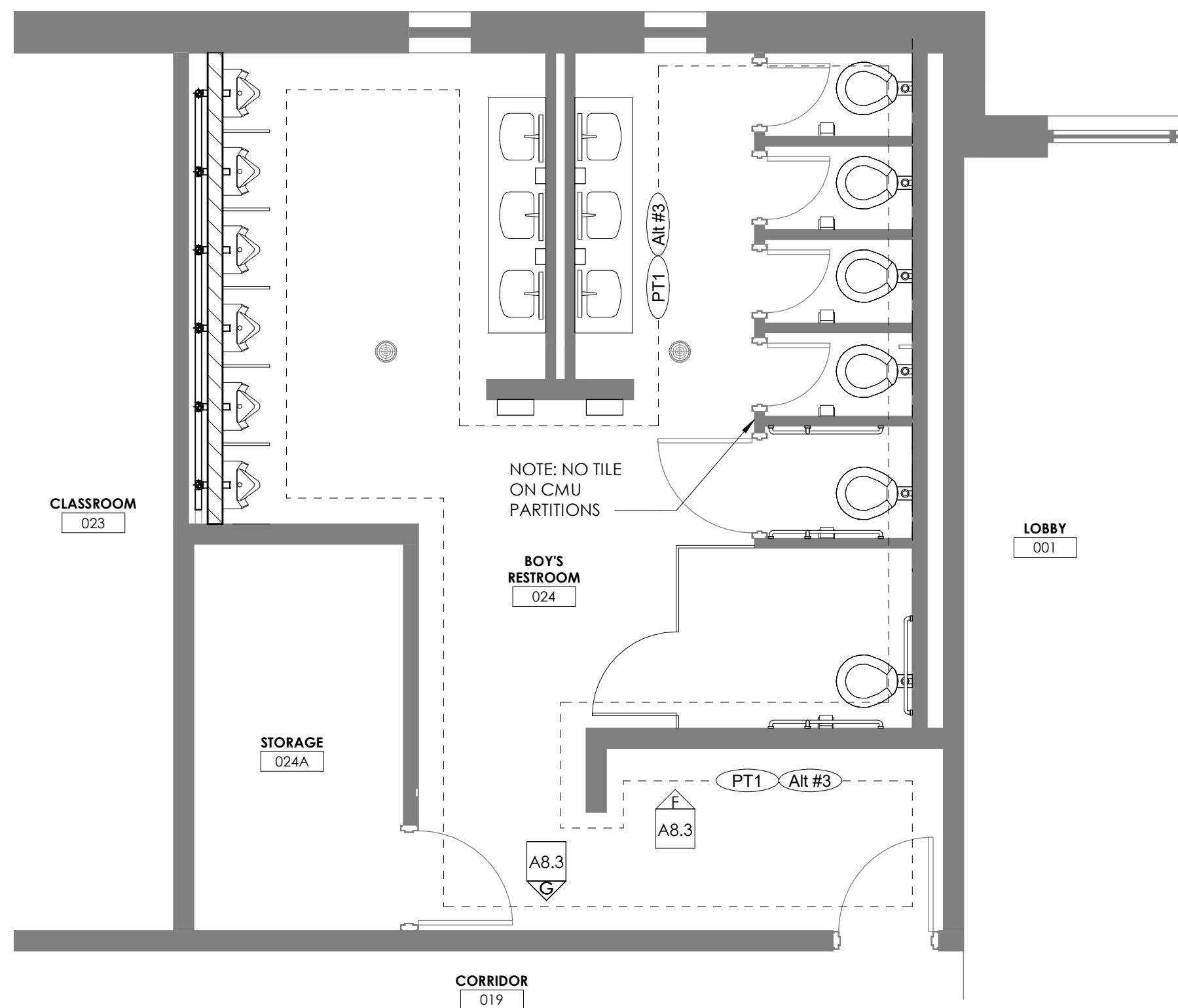
GIRLS' RR 3 - INTERIORS
1/4" = 1'-0"



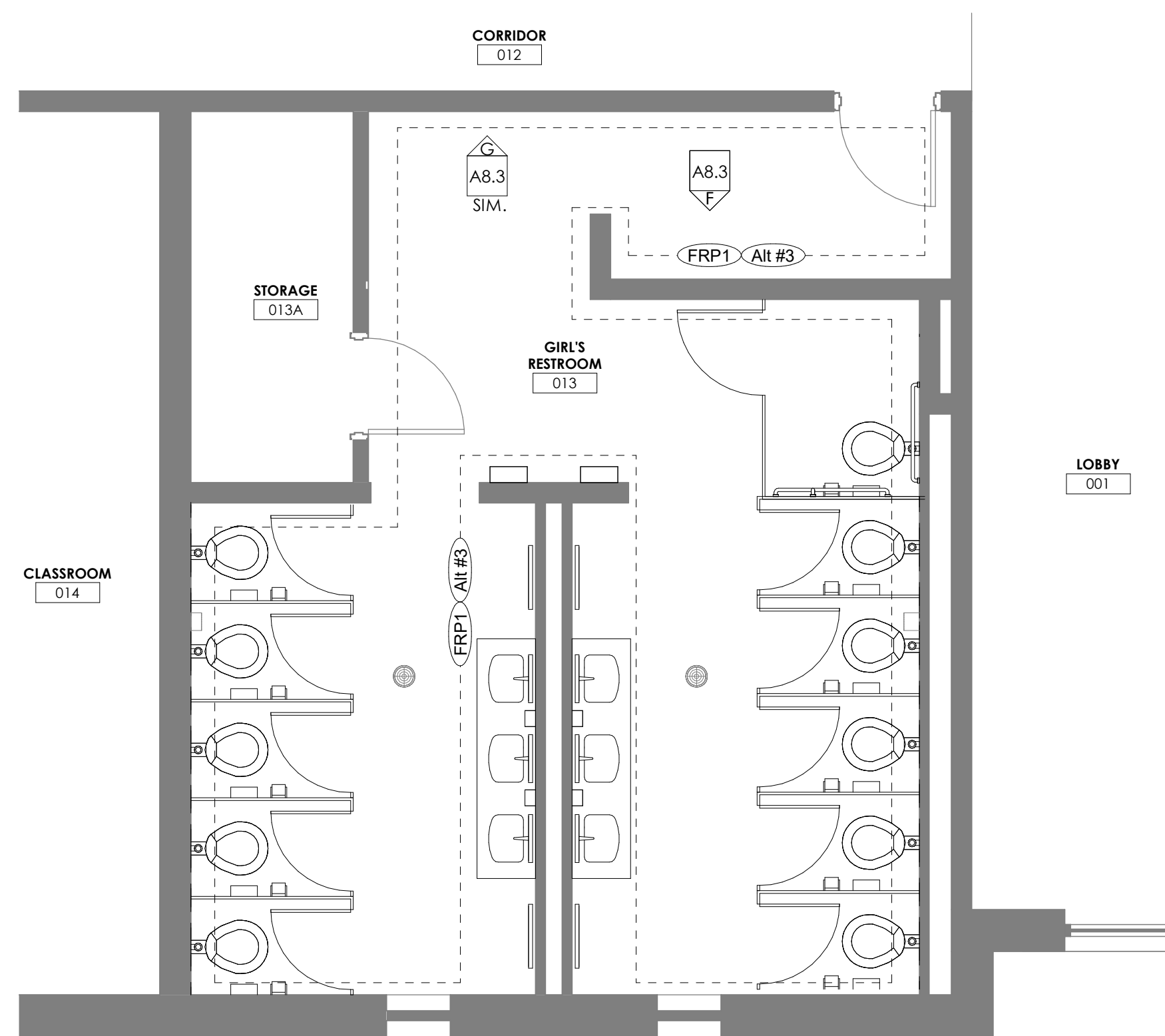
BOYS' RR 2 - INTERIORS
1/4" = 1'-0"



GIRLS' RR 2 - INTERIORS



BOYS' RR 1 - INTERIORS
1/4" = 1'-0"



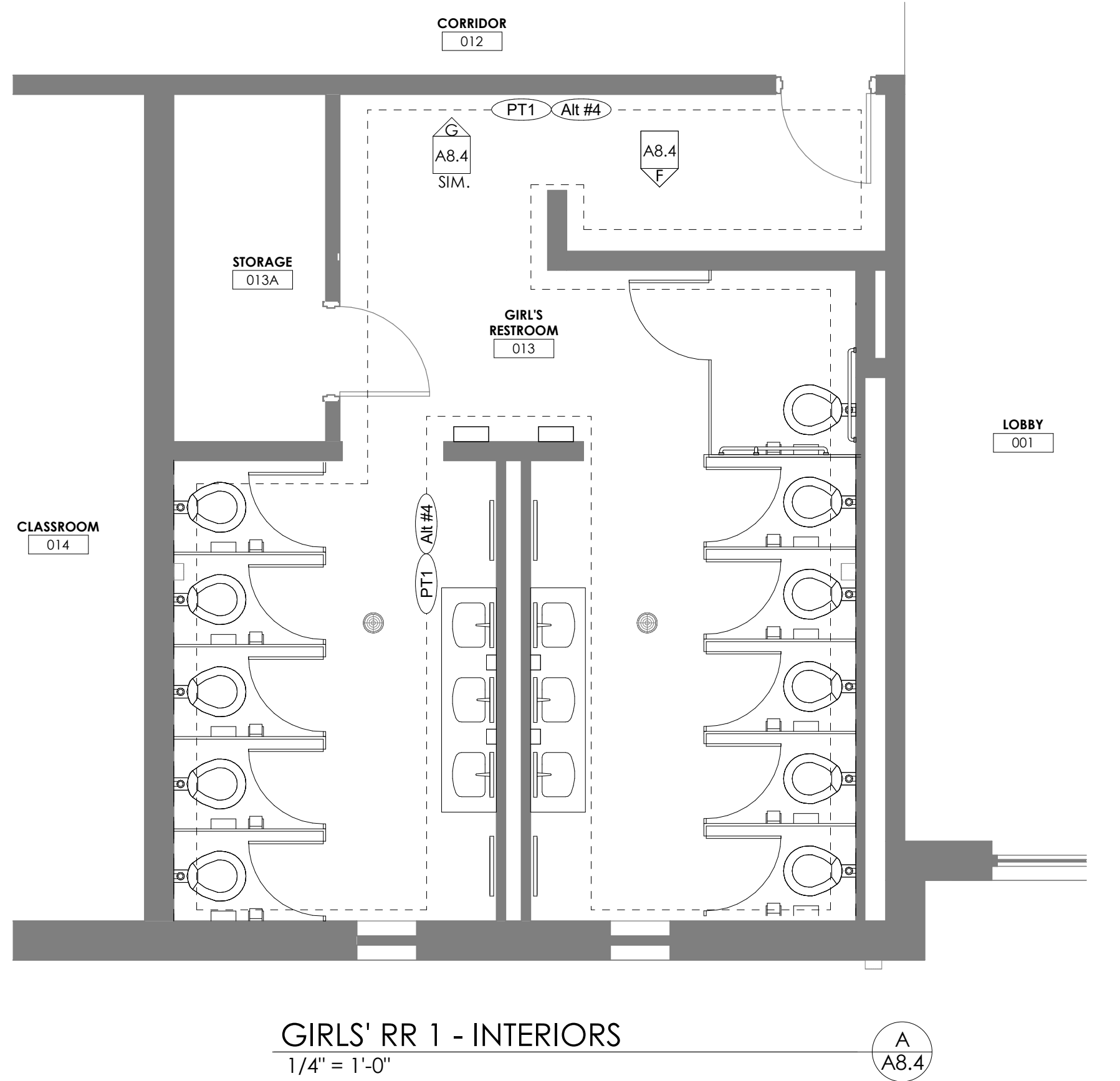
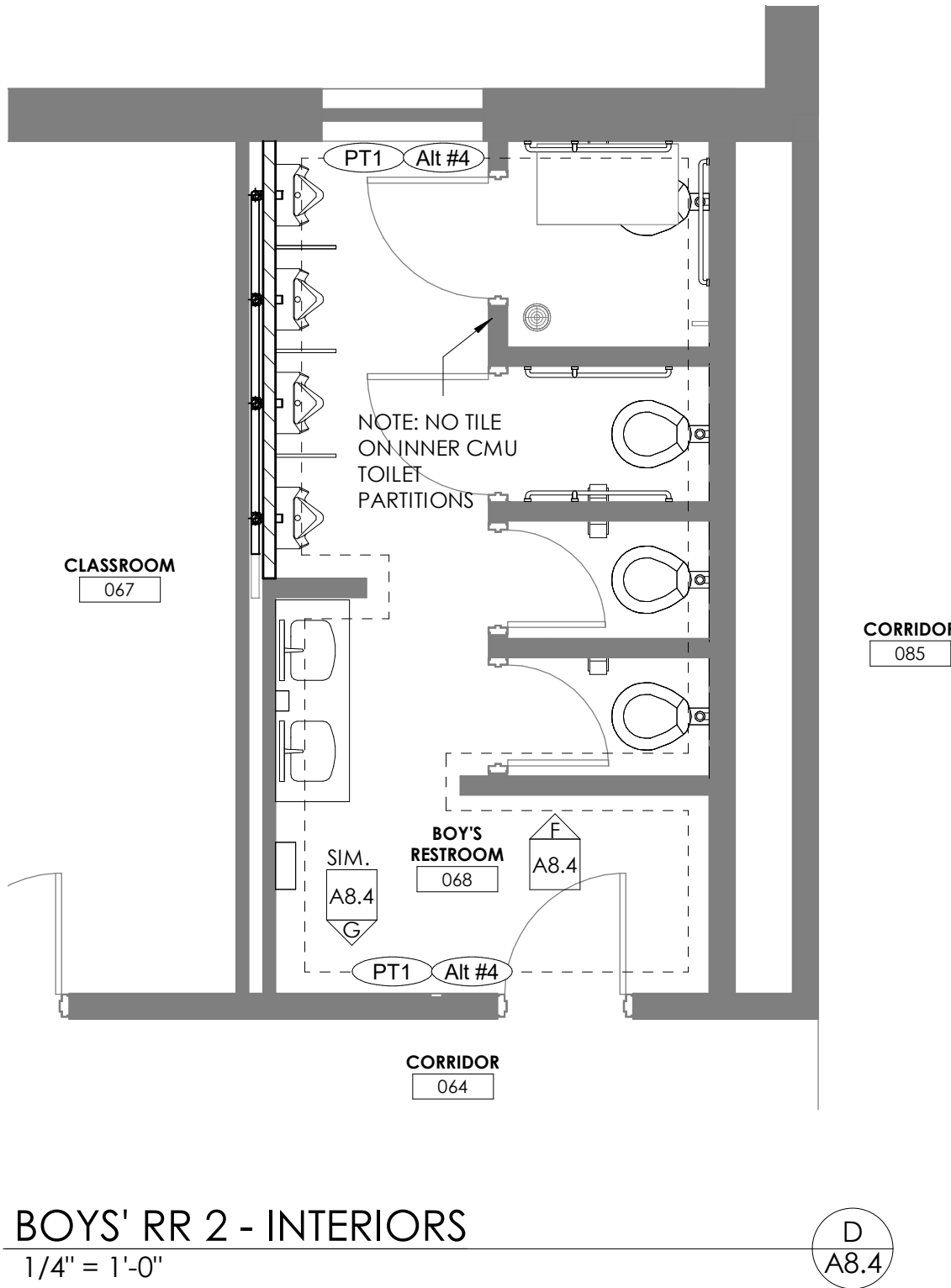
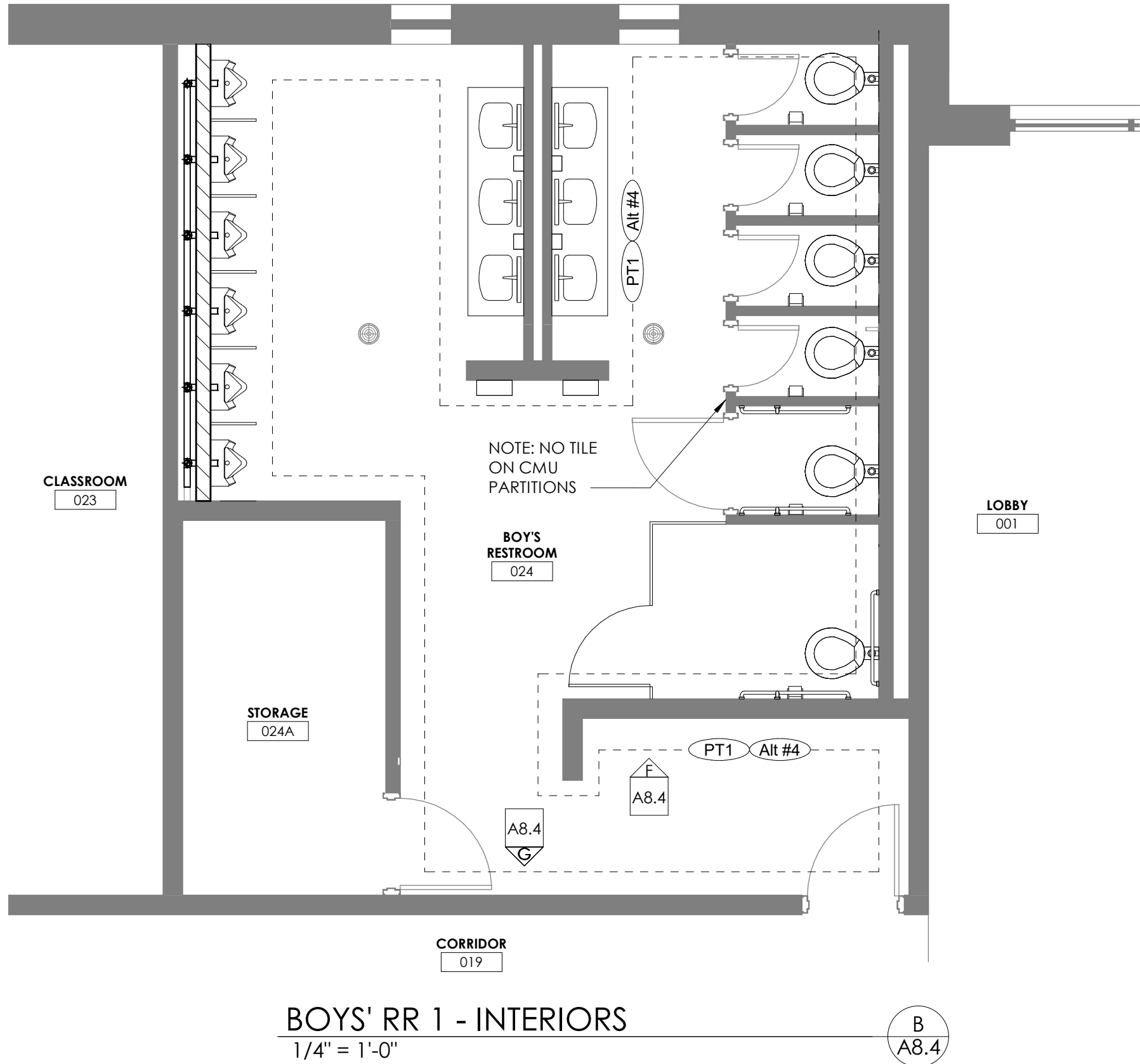
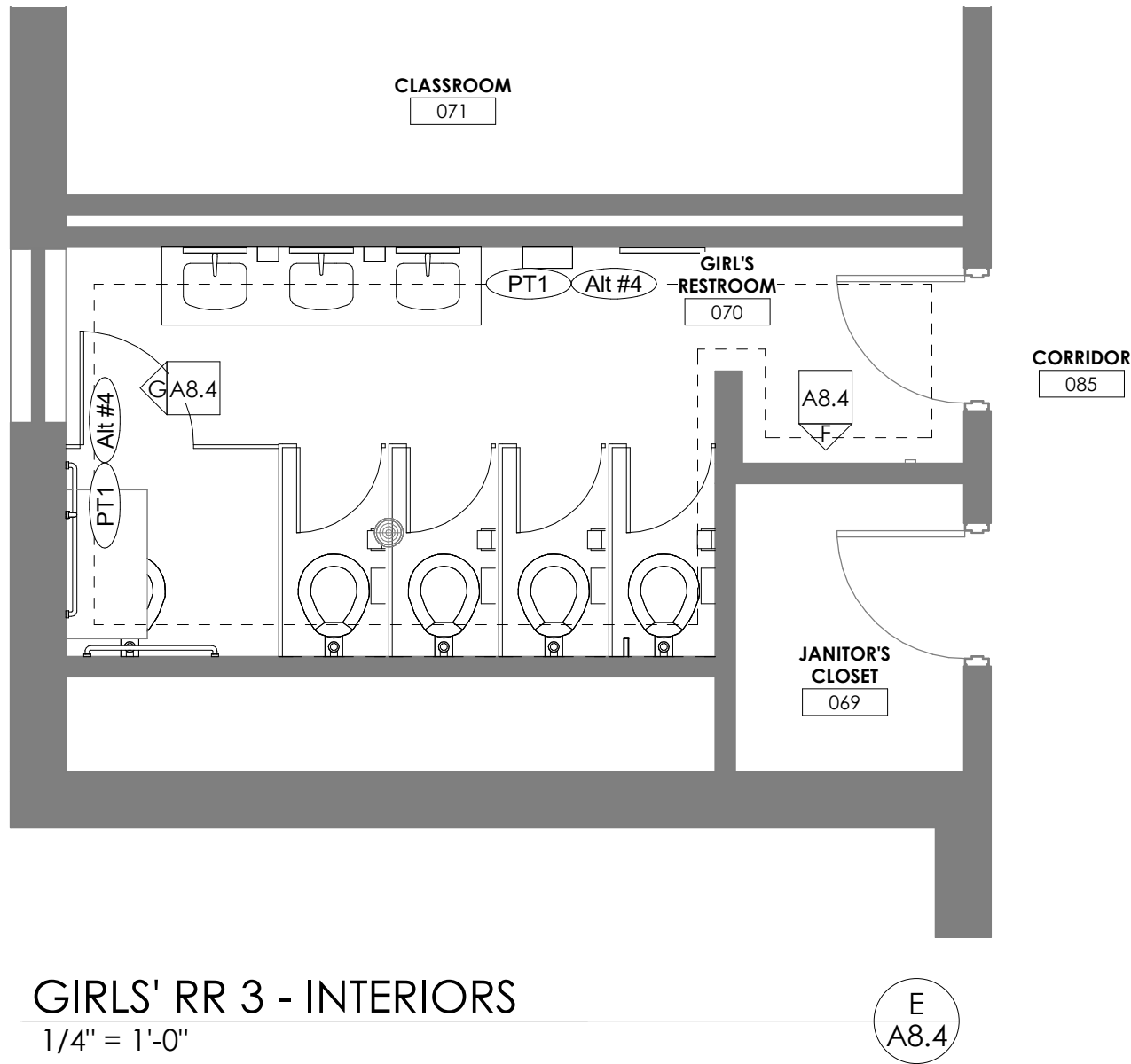
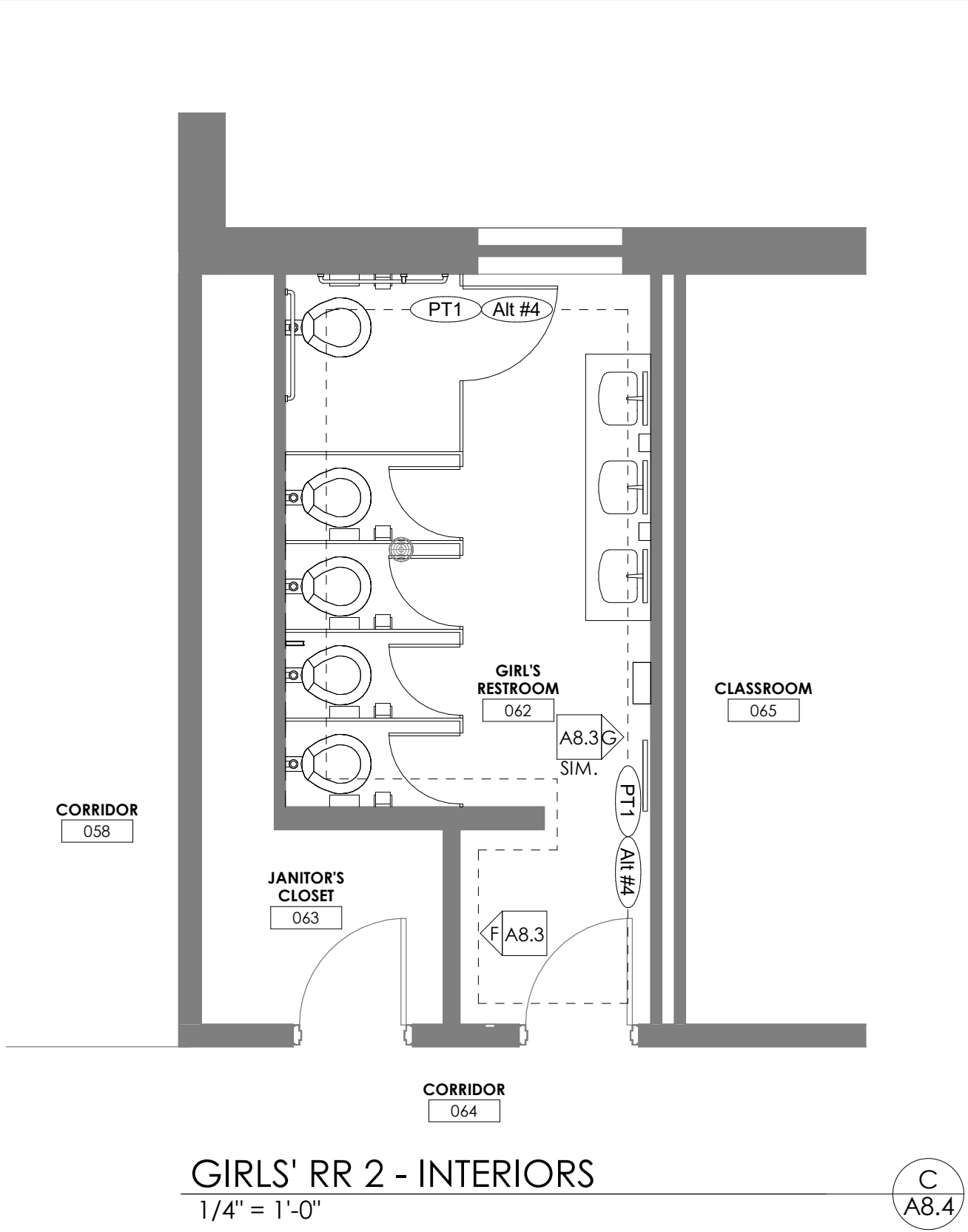
GIRLS' RR 1 - INTERIORS
1/4" = 1'-0"

MATERIAL REFERENCE	
092116.0	FRP Panels
093000.A	Ceramic Tile
093000.E	Edge Strip
096723.C	Resinous Decorative (Flake) Epoxy Flooring
ROOM FINISH NOTES	
1.	ALL WALLS, GYPSUM BOARD CEILINGS, METAL DECKING, STRUCTURAL ELEMENTS, CONDUIT, ALL UNFINISHED SURFACES EXPOSED AFTER CONSTRUCTION IS COMPLETE SHALL RECEIVE PAINT UNLESS OTHERWISE NOTED.
2.	REFER TO FLOOR PLANS FOR WALL ASSEMBLY TYPES.
3.	REFER TO REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION ON CEILINGS AND SOFFIT LOCATIONS.
4.	PROVIDE COLOR MATCHING CAULK AT THE INTERSECTION OF HOLLOW METAL FRAMES AND HARD SURFACE FLOORING, TYP.
5.	IN SOME CASES MORE THAN ONE TYPE OF FLOORING AND/OR CEILING FINISH WILL OCCUR IN ONE SPACE - REFER TO FLOOR PLANS, REFLECTED CEILING PLANS, FINISH SCHEDULE AND THE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
6.	ALL LOUVERS, GRILLS, REGISTERS & DIFFUSERS SHALL BE PAINTED TO MATCH THE SURFACE ON WHICH THEY OCCUR.

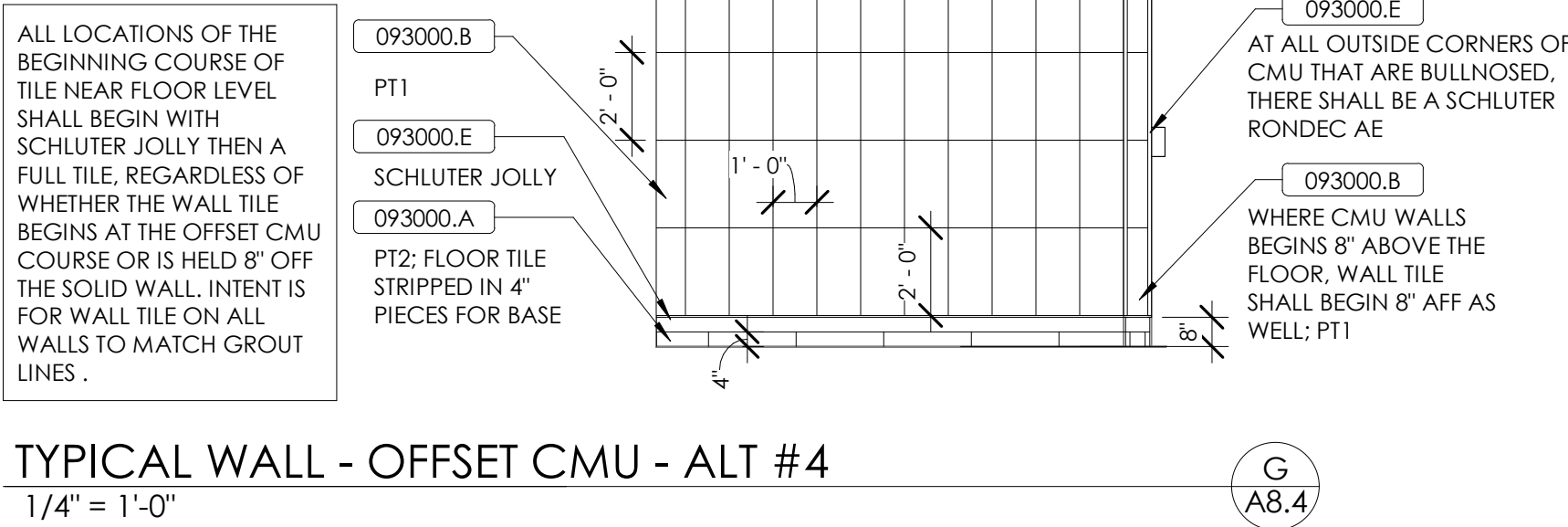
ALTERNATES	
ALT. # 1	PROVIDE FRP IN LIEU OF BASE BID PORCELAIN TILE.
ALT. # 2	PORCELAIN TILE ON SINK AND HAND DRYER WALLS.
ALT. # 3	PROVIDE FRP ON ALL RESTROOM WALLS.
ALT. # 4	PROVIDE PORCELAIN TILE ON ALL RESTROOM WALLS.
ALT. # 5	PROVIDE PORCELAIN TILE ON ALL RESTROOM FLOORS IN LIEU OF FLAKE EPOXY.

REVISIONS			ROOM FINISH SCHEDULE										
#	DATE	DESCRIPTION	ROOM NO.	ROOM NAME	FLOOR FINISH	BASE FINISH	NORTH WALL	EAST WALL	SOUTH WALL	WEST WALL	CEILING FINISH	COMMENTS	
			001	LOBBY	ETR		ETR	ETR	ETR	ETR	ETR		
			012	CORRIDOR	ETR & Coordinate with new transition at restroom door.	ETR	ETR	ETR	ETR	ETR	ETR		
			013	GIRL'S RESTROOM	Base Bid - RF1 / Alt #5 - PT2	Base Bid - RF1 flashed up wall / Alt #5 - PT2 Base	Base Bid - P1 / Alt #3 - FRP1; Alt #4 - PT1	Base Bid - P1 / Alt #3 - FRP1; Alt #4 - PT1	Base Bid - P1 & Area of PT1 / Alt #1 - Area of FRP1 / Alt #2 - Area of PT1 / Alt #3 - FRP1; Alt #4 - PT1	Base Bid - P1 / Alt #3 - FRP1; Alt #4 - PT1	ACP1	PT1 or FRP1 shall be full height and begin 8" above RF1 or PT1 base. See Floorplan for all areas of wall finish in Alt #1 and #2. Alt #3 and #4 includes all restroom walls full height.	
			013A	STORAGE	ETR? or New RF1?	ETR? or New RF1 flashed up wall?	ETR	ETR	ETR	ETR	ETR		
			014	CLASSROOM	ETR	ETR	ETR	ETR	ETR	ETR	ETR		
			019	CORRIDOR	ETR & Coordinate with new transition at restroom door.	ETR	ETR	ETR	ETR	ETR	ETR		
			023	CLASSROOM	ETR	ETR	ETR	ETR	ETR	ETR	ETR		
			024	BOY'S RESTROOM	Base Bid - RF1 / Alt #5 - PT2	Base Bid - RF1 flashed up wall / Alt #5 - PT2 Base	Base Bid - P1 & Area of PT1 / Alt #1 - Area of FRP1 / Alt #2 - Area of PT1 / Alt #3 - FRP1; Alt #4 - PT1	Base Bid - P1 / Alt #3 - FRP1; Alt #4 - PT1	Base Bid - P1 & Area of PT1 / Alt #1 - Area of FRP1 / Alt #2 - Area of PT1 / Alt #3 - FRP1; Alt #4 - PT1	Base Bid - P1 / Alt #3 - FRP1; Alt #4 - PT1	ETR	PT1 or FRP1 shall be full height and begin 8" above RF1 base. See Floorplan for all areas of wall finish in Alt #1 and #2. Alt #3 and #4 includes all restroom walls full height except CMU toilet partition walls.	
			024A	STORAGE	ETR? or New RF1?	ETR? or New RF1 flashed up wall?	ETR	ETR	ETR	ETR	ETR		
			058	CORRIDOR	ETR	ETR	ETR	ETR	ETR	ETR	ETR		
			062	GIRL'S RESTROOM	Base Bid - RF1 / Alt #5 - PT2	Base Bid - RF1 flashed up wall / Alt #5 - PT2 Base	Base Bid - P1 & Area of PT1 / Alt #1 - Area of FRP1 / Alt #2 - Area of PT1 / Alt #3 - FRP1; Alt #4 - PT1	Base Bid - P1 / Alt #3 - FRP1; Alt #4 - PT1	Base Bid - P1 & Area of PT1 / Alt #1 - Area of FRP1 / Alt #2 - Area of PT1 / Alt #3 - FRP1; Alt #4 - PT1	Base Bid - P1 & Area of PT1 / Alt #1 - Area of FRP1 / Alt #2 - Area of PT1 / Alt #3 - FRP1; Alt #4 - PT1	ETR	PT1 or FRP1 shall be full height and begin 8" above RF1 base. See Floorplan for all areas of wall finish in Alt #1 and #2. Alt #3 and #4 includes all restroom walls full height.	
			063	JANITOR'S CLOSET	ETR	ETR	ETR	ETR	ETR	ETR	ETR		
			064	CORRIDOR	ETR & Coordinate with new transition at restroom door.	ETR	ETR	ETR	ETR	ETR	ETR		
			065	CLASSROOM	ETR	ETR	ETR	ETR	ETR	ETR	ETR		
			067	CLASSROOM	ETR	ETR	ETR	ETR	ETR	ETR	ETR		
			068	BOY'S RESTROOM	Base Bid - RF1 / Alt #5 - PT2	Base Bid - RF1 flashed up wall / Alt #5 - PT2 Base	Base Bid - P1 & Area of PT1 / Alt #1 - Area of FRP1 / Alt #2 - Area of PT1 / Alt #3 - FRP1; Alt #4 - PT1	Base Bid - P1 / Alt #3 - FRP1; Alt #4 - PT1	Base Bid - P1 & Area of PT1 / Alt #1 - Area of FRP1 / Alt #2 - Area of PT1 / Alt #3 - FRP1; Alt #4 - PT1	Base Bid - P1 / Alt #3 - FRP1; Alt #4 - PT1	ACP1	PT1 or FRP1 shall be full height and begin 8" above RF1 base. See Floorplan for all areas of wall finish in Alt #1 and #2. Alt #3 and #4 includes all restroom walls full height except CMU toilet partition walls.	
			069	JANITOR'S CLOSET	ETR	ETR	ETR	ETR	ETR	ETR	ETR		
			070	GIRL'S RESTROOM	Base Bid - RF1 / Alt #5 - PT2	Base Bid - RF1 flashed up wall / Alt #5 - PT2 Base	Base Bid - P1 / Alt #3 - FRP1; Alt #4 - PT1	Base Bid - P1 / Alt #3 - FRP1; Alt #4 - PT1	Base Bid - P1 & Area of PT1 / Alt #1 - Area of FRP1 / Alt #2 - Area of PT1 / Alt #3 - FRP1; Alt #4 - PT1	Base Bid - P1 / Alt #3 - FRP1; Alt #4 - PT1	ACP1	PT1 or FRP1 shall be full height and begin 8" above RF1 base. See Floorplan for all areas of wall finish in Alt #1 and #2. Alt #3 and #4 includes all restroom walls full height.	
			071	CLASSROOM	ETR	ETR	ETR	ETR	ETR	ETR	ETR		
			085	CORRIDOR	ETR & Coordinate with new transition at restroom door.	ETR	ETR	ETR	ETR	ETR	ETR		

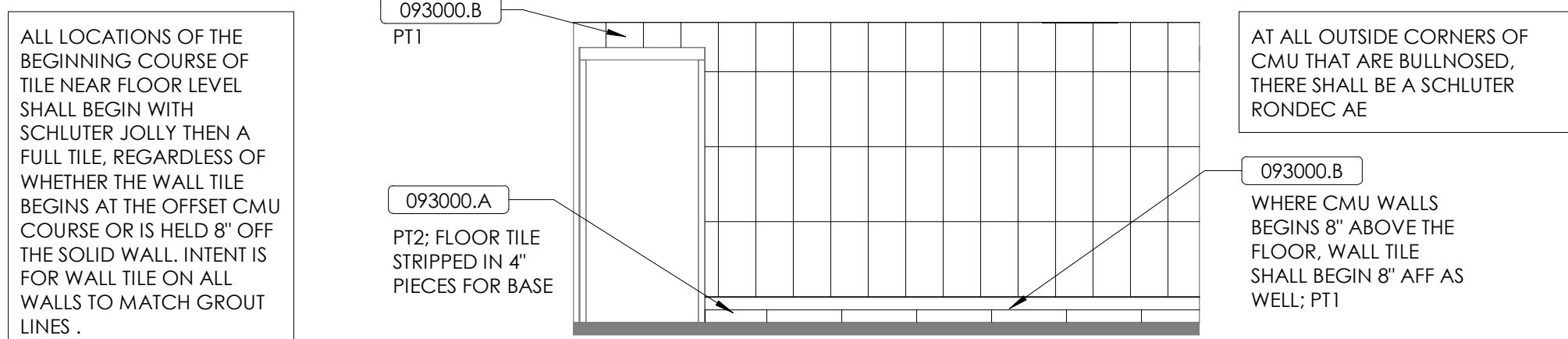
FINISH LEGEND		
SPEC SECTION	KEY	BASIS OF DESIGN
	ETR	EXISTING TO REMAIN
092116	FRP1	FIBERGLASS REINFORCED PANELS - TILE PATTERN
093000	PT1	PORCELAIN WALL TILE
	PT2	PORCELAIN FLOOR TILE - ALT #4
095113	ACP1	CEILING TILE - 2X4 SQUARE EDGE
096723	FP1	FLOOR PREP PRIOR TO RESINOUS FLAKE EPOXY
	RF1	RESINOUS FLAKE EPOXY
099000	P1	PAINTING - TYPICAL
	P2	PAINTING - DOOR FRAMES
	P3	PAINTING - CEILING PAINT (NEEDED?)
	P4	PAINTING - ACCENT PAINT
101550	TC1	TOILET COMPARTMENTS AND URINAL SCREENS
102800		TOILET AND BATH ACCESSORIES



MATERIAL REFERENCE	
093000.A	Ceramic Tile
093000.B	Wall Tile
093000.E	Edge Strip
ROOM FINISH NOTES	
1.	ALL WALLS, GYPSUM BOARD CEILINGS, METAL DECKING, STRUCTURAL ELEMENTS, CONDUIT, ALL UNFINISHED SURFACES EXPOSED AFTER CONSTRUCTION IS COMPLETE SHALL RECEIVE PAINT UNLESS OTHERWISE NOTED.
2.	REFER TO FLOOR PLANS FOR WALL ASSEMBLY TYPES. ADDITIONAL INFORMATION ON CEILINGS AND SOFFIT LOCATIONS.
3.	PROVIDE COLOR MATCHING CAULK AT THE INTERSECTION OF HOLLOW METAL FRAMES AND HARD SURFACE FLOORING, TYP.
4.	IN SOME CASES MORE THAN ONE TYPE OF FLOORING AND/OR CEILING FINISH WILL OCCUR IN ONE SPACE - REFER TO FLOOR PLANS, REFLECTED CEILING PLANS, FINISH SCHEDULE AND THE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
5.	ALL LOUVERS, GRILLS, REGISTERS & DIFFUSERS SHALL BE PAINTED TO MATCH THE SURFACE ON WHICH THEY OCCUR.
6.	



TYPICAL WALL - OFFSET CMU - ALT #4
1/4" = 1'-0"



TYPICAL WALL - CMU TO FLOOR - ALT #4
1/4" = 1'-0"

rostantant
architects

101 old layette avenue lexington, kentucky 40502 p.859.254.4018

NOT FOR
CONSTRUCTION

ALTERNATE #4
KING MIDDLE SCHOOL RESTROOM RENOVATIONS
FOR:
MERCER COUNTY BOARD OF EDUCATION
HARRODSBURG, KENTUCKY

M.E.&P Engineer:
CMI A, Inc.
220 Lex. Green Circle, Ste. 600
Lexington, KY 40503
p.859.253.0892

ALTERNATES

ALT. # 1	PROVIDE FRP IN LIEU OF BASE BID PORCELAIN TILE.
ALT. # 2	PORCELAIN TILE ON SINK AND HAND DRYER WALLS.
ALT. # 3	PROVIDE FRP ON ALL RESTROOM WALLS.
ALT. # 4	PROVIDE PORCELAIN TILE ON ALL RESTROOM WALLS.
ALT. # 5	PROVIDE PORCELAIN TILE ON ALL RESTROOM FLOORS IN LIEU OF FLAKE EPOXY.

BG# 23-289

Project No: 2282
Drawn By: KC
Rev'd By: BB/DS

SHEET RELEASE

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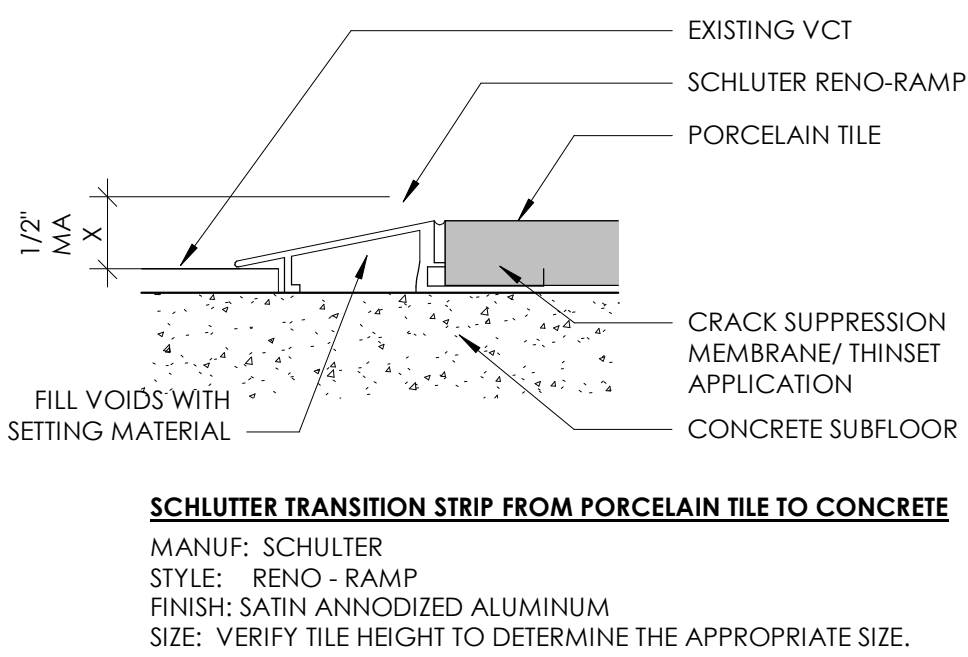
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ALTERNATE #4
DATE ISSUED:
01/10/2023

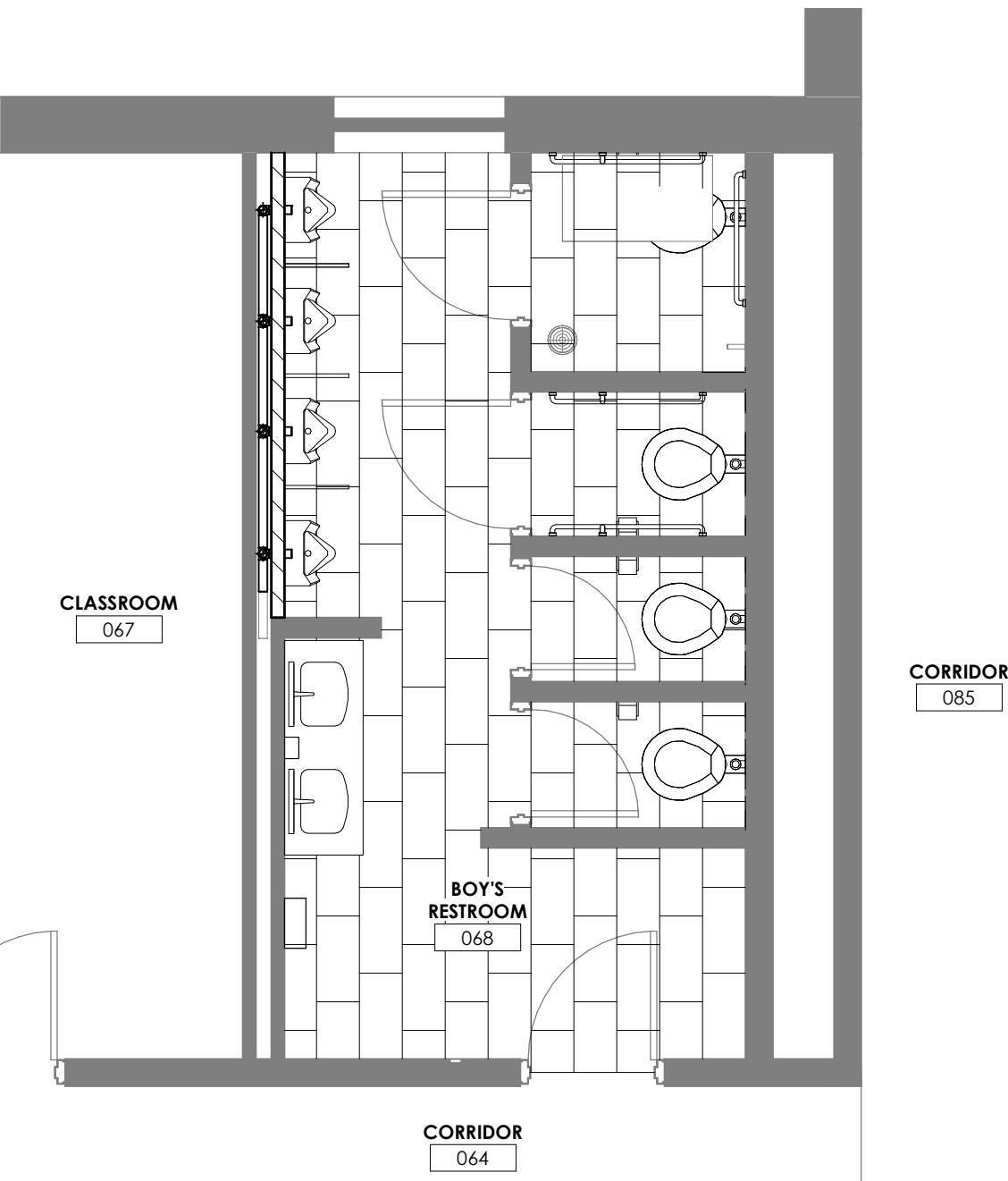
REVISIONS			ROOM FINISH SCHEDULE									
#	DATE	DESCRIPTION	ROOM NO.	ROOM NAME	FLOOR FINISH	BASE FINISH	NORTH WALL	EAST WALL	SOUTH WALL	WEST WALL	CEILING FINISH	COMMENTS
			001	LOBBY	ETR		ETR	ETR	ETR	ETR	ETR	
			012	CORRIDOR	ETR & Coordinate with new transition at restroom door.	ETR	ETR	ETR	ETR	ETR	ETR	
			013	GIRL'S RESTROOM	Base Bid - RF1 / Alt #5 - PT2	Base Bid - RF1 flashed up wall / Alt #5 - PT2 Base	Base Bid - P1 / Alt #3 - FRP1; Alt #4 - PT1	Base Bid - P1 / Alt #3 - FRP1; Alt #4 - PT1	Base Bid - P1 & Area of PT1 / Alt #1 - Area of FRP1 / Alt #2 - Area of PT1 / Alt #3 - FRP1; Alt #4 - PT1	Base Bid - P1 / Alt #3 - FRP1; Alt #4 - PT1	ACP1	PT1 or FRP1 shall be full height and begin 8" above RF1 or PT1 base. See Floorplan for all areas of wall finish in Alt #1 and #2 and #3; Alt #4 and #5 includes all restroom walls full height.
			013A	STORAGE	ETR? or New RF1?	ETR? or New RF1 flashed up wall?	ETR	ETR	ETR	ETR	ETR	
			014	CLASSROOM	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
			019	CORRIDOR	ETR & Coordinate with new transition at restroom door.	ETR	ETR	ETR	ETR	ETR	ETR	
			023	CLASSROOM	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
			024	BOY'S RESTROOM	Base Bid - RF1 / Alt #5 - PT2	Base Bid - RF1 flashed up wall / Alt #5 - PT2 Base	Base Bid - P1 & Area of PT1 / Alt #1 - Area of FRP1 / Alt #2 - Area of PT1 / Alt #3 - FRP1; Alt #4 - PT1	Base Bid - P1 / Alt #3 - FRP1; Alt #4 - PT1	Base Bid - P1 & Area of PT1 / Alt #1 - Area of FRP1 / Alt #2 - Area of PT1 / Alt #3 - FRP1; Alt #4 - PT1	Base Bid - P1 / Alt #3 - FRP1; Alt #4 - PT1	ETR	PT1 or FRP1 shall be full height and begin 8" above RF1 base. See Floorplan for all areas of wall finish in Alt #1 and #2; Alt #3 and #4 includes all restroom walls full height except CMU toilet partition walls.
			024A	STORAGE	ETR? or New RF1?	ETR? or New RF1 flashed up wall?	ETR	ETR	ETR	ETR	ETR	
			058	CORRIDOR	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
			062	GIRL'S RESTROOM	Base Bid - RF1 / Alt #5 - PT2	Base Bid - RF1 flashed up wall / Alt #5 - PT2 Base	Base Bid - P1 & Area of PT1 / Alt #1 - Area of FRP1 / Alt #2 - Area of PT1 / Alt #3 - FRP1; Alt #4 - PT1	Base Bid - P1 / Alt #3 - FRP1; Alt #4 - PT1	Base Bid - P1 & Area of PT1 / Alt #1 - Area of FRP1 / Alt #2 - Area of PT1 / Alt #3 - FRP1; Alt #4 - PT1	Base Bid - P1 & Area of PT1 / Alt #1 - Area of FRP1 / Alt #2 - Area of PT1 / Alt #3 - FRP1; Alt #4 - PT1	ETR	PT1 or FRP1 shall be full height and begin 8" above RF1 base. See Floorplan for all areas of wall finish in Alt #1 and #2; Alt #3 and #4 includes all restroom walls full height.
			063	JANITOR'S CLOSET	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
			064	CORRIDOR	ETR & Coordinate with new transition at restroom door.	ETR	ETR	ETR	ETR	ETR	ETR	
			065	CLASSROOM	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
			067	CLASSROOM	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
			068	BOY'S RESTROOM	Base Bid - RF1 / Alt #5 - PT2	Base Bid - RF1 flashed up wall / Alt #5 - PT2 Base	Base Bid - P1 & Area of PT1 / Alt #1 - Area of FRP1 / Alt #2 - Area of PT1 / Alt #3 - FRP1; Alt #4 - PT1	Base Bid - P1 / Alt #3 - FRP1; Alt #4 - PT1	Base Bid - P1 & Area of PT1 / Alt #1 - Area of FRP1 / Alt #2 - Area of PT1 / Alt #3 - FRP1; Alt #4 - PT1	Base Bid - P1 / Alt #3 - FRP1; Alt #4 - PT1	ACP1	PT1 or FRP1 shall be full height and begin 8" above RF1 base. See Floorplan for all areas of wall finish in Alt #1 and #2; Alt #3 and #4 includes all restroom walls full height except CMU toilet partition walls.
			069	JANITOR'S CLOSET	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
			070	GIRL'S RESTROOM	Base Bid - RF1 / Alt #5 - PT2	Base Bid - RF1 flashed up wall / Alt #5 - PT2 Base	Base Bid - P1 / Alt #3 - FRP1; Alt #4 - PT1	Base Bid - P1 / Alt #3 - FRP1; Alt #4 - PT1	Base Bid - P1 & Area of PT1 / Alt #1 - Area of FRP1 / Alt #2 - Area of PT1 / Alt #3 - FRP1; Alt #4 - PT1	Base Bid - P1 / Alt #3 - FRP1; Alt #4 - PT1	ACP1	PT1 or FRP1 shall be full height and begin 8" above RF1 base. See Floorplan for all areas of wall finish in Alt #1 and #2; Alt #3 and #4 includes all restroom walls full height.
			071	CLASSROOM	ETR	ETR	ETR	ETR	ETR	ETR	ETR	
			085	CORRIDOR	ETR & Coordinate with new transition at restroom door.	ETR	ETR	ETR	ETR	ETR	ETR	

FINISH LEGEND		
SPEC SECTION	KEY	BASIS OF DESIGN
	ETR	EXISTING TO REMAIN
092116	FRP1	FIBERGLASS REINFORCED PANELS - TILE PATTERN
093000	PT1	PORCELAIN WALL TILE
	PT2	PORCELAIN FLOOR TILE - ALT #4
095113	ACP1	CEILING TILE - 2X4 SQUARE EDGE
096723	FP1	FLOOR PREP PRIOR TO RESINOUS FLAKE EPOXY
	RF1	RESINOUS FLAKE EPOXY
099000	P1	PAINTING - TYPICAL
	P2	PAINTING - DOOR FRAMES
	P3	PAINTING - CEILING PAINT (NEEDED?)
	P4	PAINTING - ACCENT PAINT
101550	TC1	TOILET COMPARTMENTS AND URINAL SCREENS
102800		TOILET AND BATH ACCESSORIES

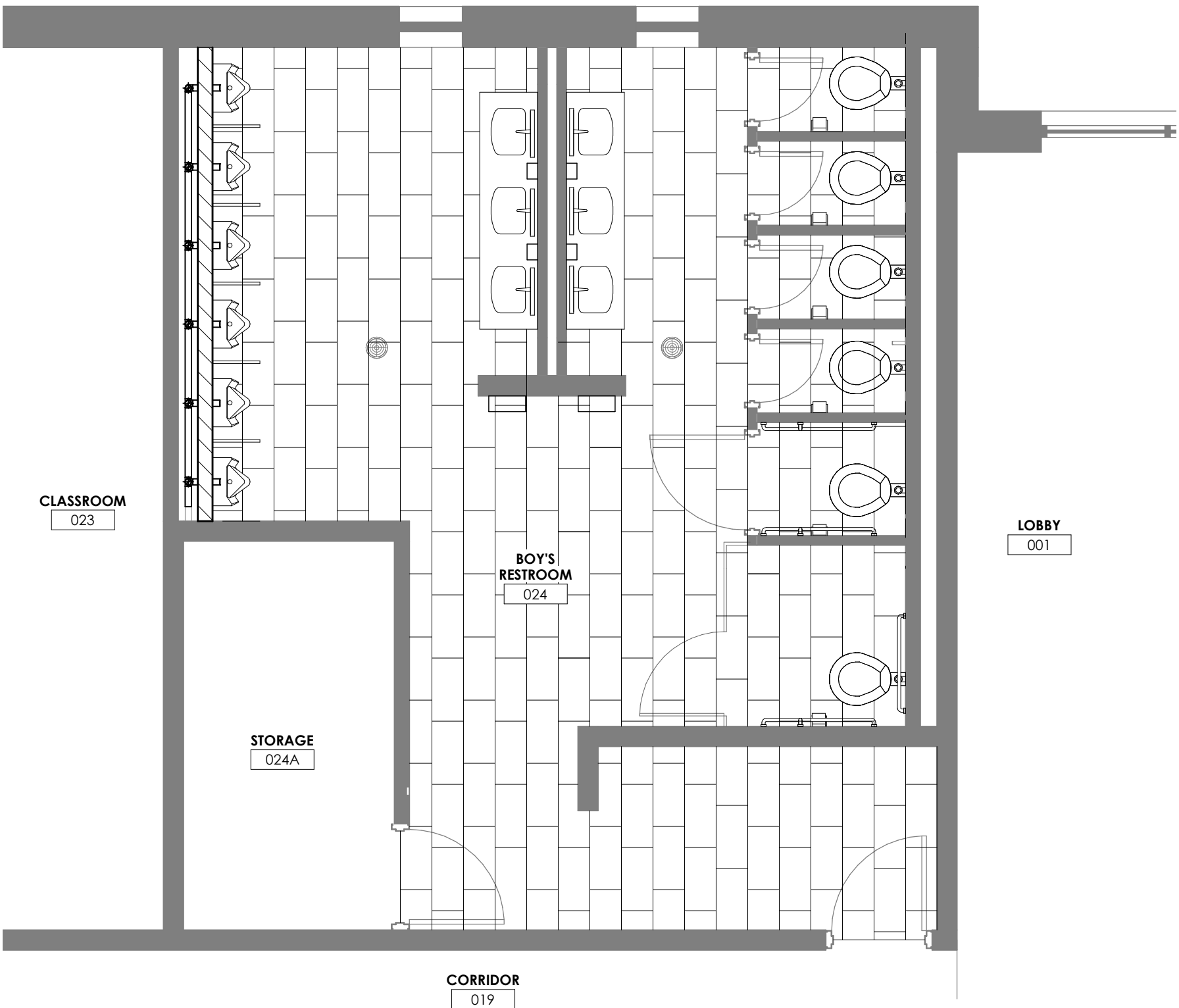
MATERIAL REFERENCE	
ROOM FINISH NOTES	
1.	ALL WALLS, GYPSUM BOARD CEILINGS, METAL DECKING, STRUCTURAL ELEMENTS, CONDUIT, ALL UNFINISHED SURFACES EXPOSED AFTER CONSTRUCTION IS COMPLETE SHALL RECEIVE PAINT UNLESS OTHERWISE NOTED.
2.	REFER TO FLOOR PLANS FOR WALL ASSEMBLY TYPES.
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5.	IN SOME CASES MORE THAN ONE TYPE OF FLOORING AND/OR CEILING FINISH WILL OCCUR IN ONE SPACE - REFER TO FLOOR PLANS, REFLECTED CEILING PLANS, FINISH SCHEDULE AND THE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
6.	ALL LOUVERS, GRILLS, REGISTERS & DIFFUSERS SHALL BE PAINTED TO MATCH THE SURFACE ON WHICH THEY OCCUR.



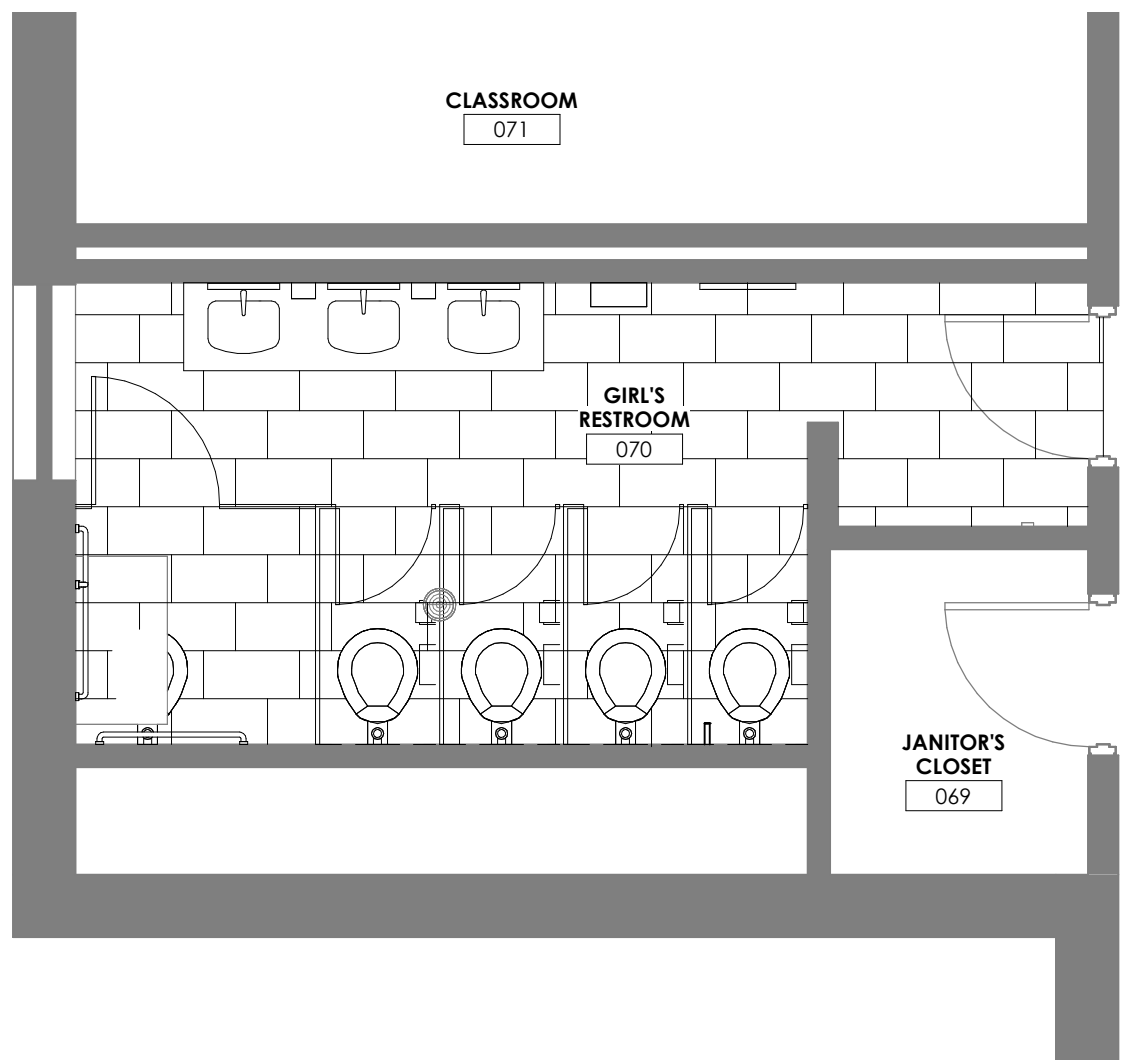
TRANSITION @ PORCELAIN TILE/VCT
N.T.S.



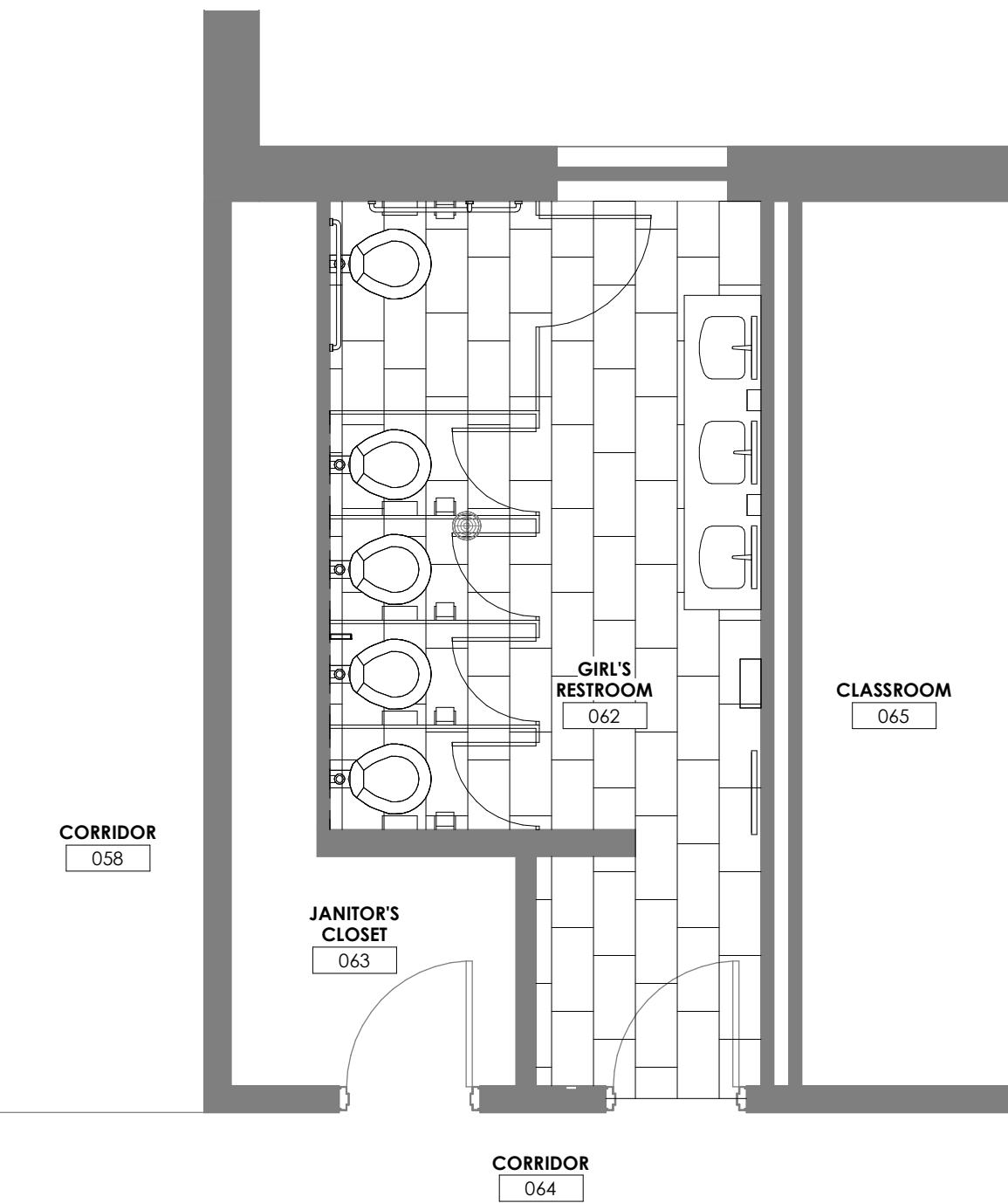
BOYS' RR 2 - INTERIORS
1/4" = 1'-0"



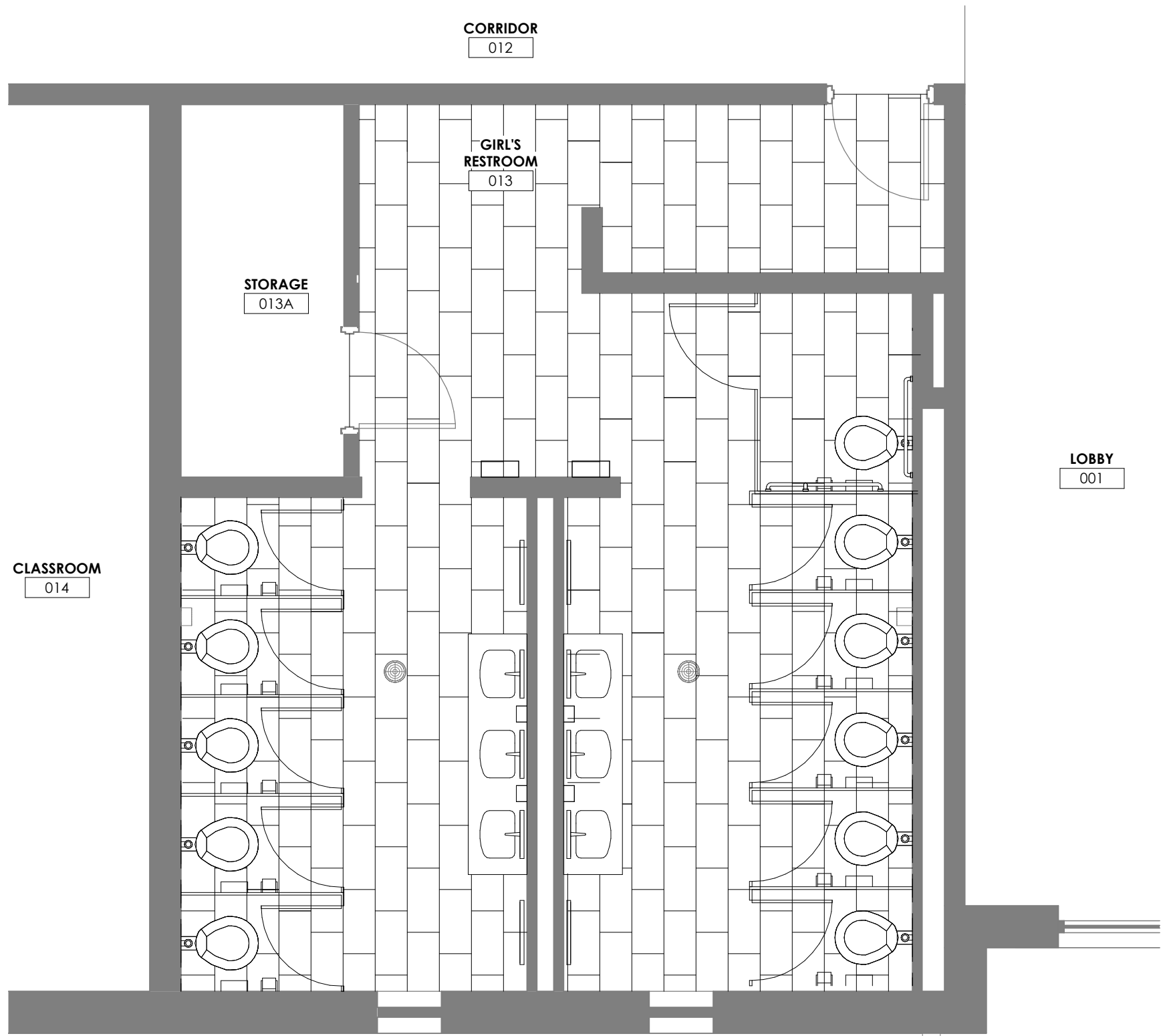
BOYS' RR 1 - INTERIORS
1/4" = 1'-0"



GIRLS' RR 3 - INTERIORS
1/4" = 1'-0"



GIRLS' RR 2 - INTERIORS
1/4" = 1'-0"



GIRLS' RR 1 - INTERIORS
1/4" = 1'-0"

ALTERNATES	
ALT. # 1	PROVIDE FRP IN LIEU OF BASE BID PORCELAIN TILE.
ALT. # 2	PORCELAIN TILE ON SINK AND HAND DRYER WALLS.
ALT. # 3	PROVIDE FRP ON ALL RESTROOM WALLS.
ALT. # 4	PROVIDE PORCELAIN TILE ON ALL RESTROOM WALLS.
ALT. # 5	PROVIDE PORCELAIN TILE ON ALL RESTROOM FLOORS IN LIEU OF FLAKE EPOXY.

rostantant
architects

101 old layette avenue lexington, kentucky 40502 p.859.254.4018

NOT FOR
CONSTRUCTION

ALTERNATE #5
KING MIDDLE SCHOOL RESTROOM RENOVATIONS
FOR:
MERCER COUNTY BOARD OF EDUCATION
HARRODSBURG, KENTUCKY

M.E.&P. Engineer:
CMAA, Inc.
220 Lex. Green Circle, Ste. 600
Lexington, KY 40503
p.859.253.0892

BG# 23-289

Project No.: 2282
Drawn By: KC
Rev'd By: BB/DS
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ALTERNATE #5
DATE ISSUED:
01/10/2023

PLUMBING GENERAL NOTES

- A COORDINATE THE LOCATION OF DRAINS, THERMOSTATS, GAS OUTLETS, ETC., WITH ALL CASEWORK EQUIPMENT, MECHANICAL ROOM EQUIPMENT, ETC., PRIOR TO COMMENCING INSTALLATION. WORK NOT SO COORDINATED SHALL BE REMOVED AND PROPERLY INSTALLED AT THE EXPENSE OF THE CONTRACTOR.
- B THE CONTRACTOR SHALL EXERCISE EXTREME CARE IN THE COURSE OF THEIR WORK SO AS TO ENSURE THAT THEY DO NOT INTERRUPT ANY EXISTING SERVICE. FOR SAFETY PURPOSES, PAY PARTICULAR ATTENTION TO THIS PRECAUTION RELATIVE TO NATURAL GAS AND ELECTRICAL LINES. VERIFY THE LOCATION, SIZE, TYPE, ETC., OF EACH UNDERGROUND OR OVERHEAD UTILITY. ALL WORK SHALL BE PERFORMED IN ACCORD WITH ALL FEDERAL, STATE AND/OR LOCAL RULES, REGULATIONS, STANDARD AND SAFETY REQUIREMENTS. UTILITIES SHALL BE INSTALLED IN ACCORD WITH THE APPLICABLE MUNICIPALITY OR UTILITY COMPANY STANDARDS. IN ALL CASES, THE MOST STRINGENT REQUIREMENT SHALL APPLY.
- C WHERE WORK IS REQUIRED ABOVE EXISTING LAY-IN PLASTER OR GYPSUM BOARD CEILINGS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND REINSTALLATION (OR REPLACEMENT, IF DAMAGED) OF ALL CEILING OR TILE AND GRID MEMBERS NECESSARY TO PERFORM HIS WORK. NEW TILE AND GRID SHALL MATCH THE SURROUNDING AREAS. ALL PATCHING WORK SHALL MATCH ADJACENT SURFACES.
- D ALL NEW WORK SHALL BE HUNG FROM STRUCTURE, NOT FROM THE WORK OF OTHER TRADES, WHETHER EXISTING OR NEW.
- E COORDINATE ALL WORK WITH PROJECT PHASES REQUIREMENTS.
- F PATCH, REPAIR AND PAINT OR PROVIDE WALL COVERING FOR (TO OWNER'S STANDARDS) EXISTING WALLS, CEILINGS, ETC., THAT ARE TO REMAIN IF DAMAGED DURING CONSTRUCTION. REPAIRS SHALL MATCH ADJACENT SURFACES TO THE SATISFACTION OF THE ARCHITECT AND OWNER.
- G OBSERVE ALL APPLICABLE CODES, RULES AND REGULATIONS THAT MAY APPLY TO THE WORK UNDER THIS CONTRACT. (CITY, COUNTY, LOCAL, FEDERAL, MUNICIPALITY, UTILITY COMPANY, COMMONWEALTH OF KENTUCKY, ETC.)
- H CONTRACTOR SHALL BE AWARE OF UNSEEN PLUMBING WORK DURING DEMOLITION. IF ITEMS ARE UNCOVERED DURING DEMOLITION THEN FIELD VERIFY THE USE OF THE ITEMS AND PLAN AN ALTERNATE ROUTE TO RUN THESE ITEMS. THEN CONTACT THE ENGINEERS TO REVIEW THE ROUTING.
- I WHERE FIRE PROOFING IS SPRAYED ON EXISTING STRUCTURE ALL EXISTING CONDUITS, WATER, HYDRONIC, STEAM, CHILLED WATER, FIRE PROTECTION LINES, MED GAS, ETC. SHALL BE LOWERED TO BE BELOW FULL THICKNESS OF FIRE PROOFING WITH NO INTERFERENCE.
- J ALL PENETRATIONS OF FIRE AND SMOKE RATED ASSEMBLIES SHALL BE APPROPRIATELY FIRE STOPPED PER AN APPROVED U.L. LISTED STANDARD. CONTRACTOR SHALL PAY PARTICULAR ATTENTION TO INSULATED PIPING PENETRATIONS.
- K ALL WORK REQUIRING DOWNTIME OF ANY AREA IN THE BUILDING SHALL BE SCHEDULED 2 WEEKS IN ADVANCE.
- L ALL PIPING IN ROOMS WITH CEILINGS SHALL BE ABOVE CEILING EXCEPT AS NOTED.
- M IN ACCORDANCE WITH K.R.S. ALL PLUMBING WORK SHALL BE CONSTRUCTED IN COMPLIANCE WITH PLANS APPROVED BY AND BEARING THE APPROVAL STAMP OF THE KENTUCKY DIVISION OF PLUMBING AND/OR THE DIVISION OF WATER. THE CONTRACTOR SHALL NOT BEGIN WORK UNTIL HE HAS RECEIVED SUCH APPROVED PLANS.
- N LOCATIONS OF PIPING AND EQUIPMENT ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD. DO NOT SCALE THE DRAWINGS.
- O ALL OFFSETS IN PIPING ARE NOT NECESSARILY SHOWN. PROVIDE ADDITIONAL OFFSETS WHERE NECESSARY.
- P THE CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY COMPANY FEES OR OTHER COSTS THAT ANY UTILITY COMPANY MAY REQUIRE TO COMPLETE THEIR WORK. (GAS, SEWER, WATER, ETC.).
- Q INSTALL ALL PIPING AND EQUIPMENT IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTION. IF IN CONFLICT WITH THE DESIGN INDICATED IN CONTRACT DOCUMENTS, ADVISE THE ENGINEERS PRIOR TO INSTALLATION FOR CLARIFICATION OF RECOMMENDED ACCESS AND SERVICE CLEARANCES FOR ALL EQUIPMENT.
- R SEAL AIRTIGHT AROUND ALL DUCTS AND PIPING PENETRATIONS THROUGH WALLS, FLOORS AND ROOF. PROVIDE FIRE STOPPING IN FIRE PARTITION.
- S THE CONTRACTOR SHALL RELOCATE OR AVOID ANY EXISTING EQUIPMENT APPURTENANCES, ETC., THAT CONFLICT WITH NEW WORK.
- T WHERE MOUNTING HEIGHTS ARE NOT INDICATED OR ARE IN CONFLICT WITH ANY OTHER BUILDING SYSTEM, CONTACT THE ENGINEERS BEFORE INSTALLATION. REFER ALSO TO ARCHITECTURAL WALL, INTERIOR AND EXTERIOR WALL ELEVATIONS, CEILING HEIGHTS AND OTHER DETAIL OF THESE DOCUMENTS.
- U ANY VIBRATING, OSCILLATING OR OTHER NOISE OR MOTION PRODUCING EQUIPMENT SHALL BE ISOLATED FROM SURROUNDING SYSTEMS IN AN APPROVED MANNER, NOISY OR STRUCTURALLY DAMAGING INSTALLATIONS SHALL BE SATISFACTORILY REPLACED OR REPAIRED AT THE INSTALLING CONTRACTOR'S EXPENSE. THE FINAL DECISION ON THE SUITABILITY OF A PARTICULAR INSTALLATION'S ACCEPTABILITY SHALL BE THAT OF THE ENGINEER.
- V DEVIATIONS IN SIZE, CAPACITIES, FIT, FINISH, ETC. FOR EQUIPMENT FROM THAT USED AS BASIS OF DESIGN SHALL BE THE RESPONSIBILITY OF THE PURCHASER OF THAT EQUIPMENT. ANY PROVISIONS REQUIRED TO ACCOMMODATE A DEVIATION, WHETHER APPROVED BY THE ENGINEERS OR NOT, SHALL BE THE RESPONSIBILITY OF THE PURCHASER.
- W VALVES, BALANCING DAMPERS OR ANY MECHANICAL/ELECTRICAL ITEM REQUIRING ACCESS SHALL NOT BE LOCATED ABOVE A HARD CEILING. IF THIS IS NOT POSSIBLE, THEN AN APPROPRIATELY SIZED ACCESS DOOR SHALL BE PLACED UNDER THE ITEM TO ALLOW EASY MAINTENANCE AND ADJUSTMENT. ADDITIONALLY ALL SUCH ITEMS SHALL NOT BE LOCATED AN UNREASONABLE DISTANCE ABOVE THE CEILINGS. IN GENERAL, ALL SUCH ITEMS UNLESS INDICATED OTHERWISE SHALL BE MOUNTED SIX TO TWELVE INCHES ABOVE THE CEILING. IF IN DOUBT, CONTACT ENGINEER PRIOR TO INSTALLING.
- X THE DOCUMENTS COMPLY WITH THE CODES LISTED.
- Y WORK IN CONFINED AREAS SHALL BE IN ACCORDANCE WITH THE OWNER'S SAFETY POLICY REQUIREMENTS.

ABBREVIATIONS

AC	ALTERNATING CURRENT
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
AFR	ABOVE FINISHED ROOF
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY
AHJ	AUTHORITY HAVING JURISDICTION
AMP	AMPERE (AMP, AMPS)
ANSI	AMERICAN NATIONAL STANDARD INSTITUTE
APD	AIR PRESSURE DROP
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATION, AND AIR-CONDITIONING ENGINEERS
AVG	AVERAGE
BAS	BUILDING AUTOMATION SYSTEM
BHP	BRAKE HORSEPOWER
BTU	BRITISH THERMAL UNIT
CAP	CAPACITY
CD	CONDENSATE DRAIN
CFM	CUBIC FEET PER MINUTE
C.I.	CAST IRON
CLG	CEILING
CLR	CLEAR
CO	CARBON MONOXIDE
COND	CONDENS (-ER, -ING, -ATION, -ATE)
CONT	CONTINU (-ED, -OUS)
CU FT	CUBIC FEET
CU IN	CUBIC INCHES
CV	VALVE FLOW COEFFICIENT
dB	DECIBEL
DB	DRY BULB
DC	DIRECT CURRENT
DD	DUCT SMOKE DETECTOR
DDC	DIRECT DIGITAL CONTROLS
DEG	DEGREE (-S)
DIA	DIAMETER (-S)
DN	DOWN
DWG	DRAWING
EC	ELECTRICAL CONTRACTOR
ELEV	ELEVA (-TION, -TOR)
ENGR	ENGINEER
EQ	EQUAL
ESP	EXTERNAL STATIC PRESSURE
ETR	EXISTING TO REMAIN
EVAP	EVAPORAT (-E, -ING, -ED, -OR, -ION)
EWI	ENTERING WATER TEMPERATURE
EXP	EXPANSION
EXT	EXTERIOR
FA	FREE AREA

ABBREVIATIONS (CONTINUED)

FL	FLOOR
FLL	FULL LOAD AMPS
F0B	FLAT ON BOTTOM
FOT	FLAT ON TOP
FFC	FIRE PROTECTION CONTRACTOR
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FT	FEET OR FOOT
FUT	FUTURE
FV	FACE VELOCITY
GA	GAGE/GAUGE
GAL	GALLON (-S)
GC	GENERAL CONTRACTOR
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GR	GRAINS
H	HUMIDITY
HD	HEAD
HD	MERCURY
HORIZ	HORIZONTAL
HP	H (-ORSEPOWER, -EAT PUMP)
HR	HOOR (-S)
HVAC	HEATING, VENTILATING, & AIR-CONDITIONING
Hz	HERTZ
ID	I (-DENTIFICATION, -NSIDE DIAMETER, -NSIDE DIMENSION)
IN	INCH (-ES)
INSUL	INSULAT (-ED, -ION)
INT	INTER (-IOR, -ERVAL)
IPS	IRON PIPE SIZE
kW	KILOWATT
kWh	KILOWATT HOUR
LBS	POUNDS
LF	LINEAR FEET/FOOT
LRA	LOCKED ROTOR AMPS
LWT	LEAVING WATER TEMPERATURE
LWX	MAXIMUM
MBH	BTU PER HOUR [THOUSANDS]
MCA	MINIMUM CIRCUIT AMPS
MFG	MANUFACTURER
MIN	MIN (-IMUM, -UTE)
MISC	MISCELLANEOUS
MOCp	MAXIMUM OVERCURRENT PROTECTION [AMPS]
MTG	MOUNTING
N/A	NOT APPLICABLE
NC	NOISE CRITERIA OR NORMALLY CLOSED
NEBB	NATIONAL ENVIRONMENTAL BALANCING BUREAU
NIC	NOT IN CONTRACT

ABBREVIATIONS (CONTINUED)

NO	NORMALLY OPEN OR NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DI (-AMETER, -MENSION)
CFCl	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
OFCl	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
OR	OPEN RECEPTACLE
OZ	OUNCE (-S)
PC	PLUMBING CONTRACTOR
PD	PRESSURE DROP
PH	PHASE [ELECTRICAL]
PLBG	PLUMBING
PPM	PARTS PER MILLION
PRS	PRESSURE REDUCING STATION
PRV	PRESSURE REDUCING VALVE (STEAM, WATER, GAS)
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIG	PSI GAUGE
RLA	RUNNING LOAD AMPS
RPM	REVOLUTIONS PER MINUTE
SQ	SQUARE
SQ FT	SQUARE FEET OR FOOT
SQ IN	SQUARE INCH OR INCHES
TAB	TESTING AND BALANCING
TBD	TO BE DETERMINED
TE	TOP ELEVATION
TEMP	TEMPERATURE
TPA	TRAP PRIMER ADAPTER
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
V	VOLT (-AGE, -S)
VAR	VAR (-ABLE, -IES)
VAV	VARIABLE AIR VOLUME
VEL	VELOCITY
VFD	VARIABLE FEQUENCY DRIVE
W	WATT (-AGE, -S)
WB	WET BULB
WBT	WET BULB TEMPERATURE
WPD	WATER PRESSURE DROP
WT	WEIGHT
W/	WITH
W/O	WITHOUT
%	PERCENT
ΔP	DIFFERENTIAL PRESSURE
ΔT	TEMPERATURE DIFFERENCE
℄	CENTERLINE

GENERAL SYMBOLS

	TAGGED NOTE DESIGNATOR
	REVISION TRIANGLE
	ROOM TAG
	EQUIPMENT TAG
	DOMESTIC WATER RISER TAG
	SANITARY, WASTE, & VENT RISER TAG
	FIRE SUPPRESSION RISER TAG
	POINT OF CONNECTION / CONNECT TO EXISTING
	POINT OF DEMOLITION
-- D(XXX) --	PIPING TO BE DEMOLISHED - (XXX) DENOTES SYSTEM
-- E(XXX) --	EXISTING PIPING - (XXX) DENOTES SYSTEM
-- A(XXX) --	ABANDONED IN PLACE PIPING - (XXX) DENOTES SYSTEM

VALVE SYMBOL LEGEND

	TWO-WAY CONTROL VALVE
	THREE-WAY CONTROL VALVE
	AUTOMATIC AIR VENT (AAV)
	MANUAL AIR VENT (MAV)
	MANUAL BALANCING VALVE (BV)
	BALL VALVE
	BUTTERFLY VALVE
	TRIPLE DUTY VALVE (TDV)
	STRAINER
	MANUAL ISOLATION VALVE
	GLOBE VALVE
	OS&Y (GATE) VALVE
	PRESSURE REDUCING VALVE (STEAM, GAS, WATER, ETC.)
	AUTO-FLOW CONTROL VALVE
	CHECK VALVE
	DOUBLE CHECK VALVE ASSEMBLY

PLUMBING PIPING LEGEND

	PIPE ELBOW TURNING UP
	PIPE ELBOW TURNING DOWN
	PIPE TEE: CONNECTION ON TOP
	PIPE TEE: CONNECTION ON BOTTOM
	PIPE CAP
	ACID VENT
	ACID WASTE
	COMPRESSED AIR
	COMBUSTION AIR INTAKE/EXHAUST
	CHILLED BEAM SUPPLY/RETURN
	CONDENSATE DRAIN
	CARBON DIOXIDE
	CLEAN STEAM PIPING
-- -- -- --	DOMESTIC COLD WATER (DCW)
-- -- -- --	DOMESTIC HOT WATER (DHW)
-- -- -- --	RECIRCULATED DOMESTIC HOT WATER (DHR)
	HIGH PRESSURE STEAM CONDENSATE
	HIGH PRESSURE STEAM; (H) DENOTES PRESSURE
	HEAT PUMP WATER SUPPLY/RETURN
	HEAT RECOVERY SUPPLY/RETURN PIPING
	HEATING WATER SUPPLY/RETURN
	LOW PRESSURE STEAM CONDENSATE
	LOW PRESSURE STEAM; (H) DENOTES PRESSURE
	MEDIUM PRESSURE STEAM RETURN
	MEDIUM PRESSURE STEAM; (H) DENOTES PRESSURE
	STEAM CONDENSATE PUMPED DISCHARGE
	STEAM VENT PIPING

PLUMBING SYMBOL LEGEND

	FLEXIBLE PIPE CONNECTION
	FLOW METER (VENTURI)
	PIPING UNION
	FLOW SWITCH
	PRESSURE SWITCH
	TAMPER SWITCH
	THERMOMETER
	PETE'S PLUG; TEMPERATURE/PRESSURE PORT

APPLICABLE BUILDING CODES

APPLICABLE BUILDING CODES	DOCUMENT	YEAR
ACCESSIBLE AND USEABLE BUILDINGS AND FACILITIES	ANSI A117.1	2009
FIRE SPRINKLER CODE	NFPA 13	2013
INTERNATIONAL BUILDING CODE (IBC)	STATE EDITION	2018
INTERNATIONAL ENERGY CONSERVATION CODE (IECC)	STATE EDITION	2012
INTERNATIONAL FIRE CODE (IFC)	STATE EDITION	2015
NATIONAL FUEL GAS CODE	STATE EDITION	2012
INTERNATIONAL MECHANICAL CODE (IMC)	STATE EDITION	2015
KENTUCKY PLUMBING CODE (KPC)	STATE EDITION	2020
INTERNATIONAL EXISTING BUILDING CODE (IEBC)	STATE EDITION	2015
NATIONAL ELECTRIC CODE (NEC)	NFPA 70	2017
NATIONAL FIRE ALARM & SIGNALING CODE	NFPA 72	2013

PLUMBING HAZARDOUS MATERIALS...

- A THIS PROJECT INTERFACES EXTENSIVELY WITH EXISTING BUILDING SERVICES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE AND PHASE ALL TIE-INS AND INTERRUPTIONS OF EXISTING SERVICES TO MINIMIZE OR ELIMINATE DOWNTIME. AS AN EXAMPLE, MAIN WATER SERVICE, ELECTRICAL SERVICE, HVAC SERVICES, ETC., WILL BE AFFECTED AND REPLACED OR MOVED DURING THIS PROJECT. THE CONTRACTOR SHALL INSTALL ALL NEW SERVICES AND EQUIPMENT AND HAVE THEM TESTED AND FULLY AND RELIABLY FUNCTIONAL PRIOR TO INTERRUPTING, RELOCATING OR REMOVING ANY EXISTING SERVICES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO BEAR ANY AND ALL COSTS ASSOCIATED WITH THIS PHASING, INCLUDING TEMPORARY SERVICES, TEMPORARY RELOCATION, PREMIUM TIME WORK, ETC. CONTRACTOR SHALL COORDINATE ALL SAID WORK WITH THE OWNER AND APPLICABLE UTILITIES PER THE CONTRACT DOCUMENTS.
- B CMTA, INC. HAS NO EXPERTISE IN THE DETERMINATION OF THE PRESENCE OF ANY HAZARDOUS MATERIAL. THEREFORE, NO ATTEMPT HAS BEEN MADE BY CMTA TO IDENTIFY THE EXISTENCE OR LOCATION OF ANY SUCH HAZARDOUS MATERIAL. FURTHERMORE, CMTA NOR ANY AFFILIATE HEREOF WILL NOT OFFER OR MAKE ANY RECOMMENDATIONS RELATIVE TO THE REMOVAL, HANDLING OR DISPOSAL OF SUCH MATERIAL.
- C IF THE WORK WHICH IS TO BE PERFORMED INTERFACES, CONNECTS OR RELATES IN ANY PHYSICAL WAY WITH OR TO EXISTING COMPONENTS WHICH CONTAIN OR BEAR ANY HAZARDOUS MATERIAL, ASBESTOS BEING ONE, THEN IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO CONTACT THE OWNER AND SO ADVISE HIM IMMEDIATELY.
- D THE CONTRACTOR BY EXECUTION OF THE CONTRACT FOR ANY WORK AND/OR BY THE ACCOMPLISHMENT OF ANY WORK THEREBY AGREE TO BRING NO CLAIM RELATIVE TO HAZARDOUS MATERIALS FOR NEGLIGENCE, BREACH OF CONTRACT, INDEMNITY, OR ANY OTHER SUCH ITEM AGAINST CMTA, ITS PRINCIPALS, EMPLOYEES, AGENTS OR CONSULTANTS. ALSO, THE CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD CMTA, ITS PRINCIPALS, EMPLOYEES, AGENTS AND CONSULTANTS HARMLESS FROM ANY SUCH RELATED CLAIMS WHICH MAY BE BROUGHT BY ANY SUBCONTRACTORS, SUPPLIERS OR ANY OTHER THIRD PARTIES.
- E THE CONTRACTOR IS DIRECTED TO THE SPECIFICATIONS FOR FURTHER INFORMATION.

PLUMBING PHASING NOTES

- A THIS PROJECT INTERFACES EXTENSIVELY WITH EXISTING BUILDING SERVICES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE AND PHASE ALL TIE-INS AND INTERRUPTIONS OF EXISTING SERVICES TO MINIMIZE OR ELIMINATE DOWNTIME. AS AN EXAMPLE, MAIN WATER SERVICE, ELECTRICAL SERVICE, HVAC SERVICES, ETC., WILL BE AFFECTED AND REPLACED OR MOVED DURING THIS PROJECT. THE CONTRACTOR SHALL INSTALL ALL NEW SERVICES AND EQUIPMENT AND HAVE THEM TESTED AND FULLY AND RELIABLY FUNCTIONAL PRIOR TO INTERRUPTING, RELOCATING OR REMOVING ANY EXISTING SERVICES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO BEAR ANY AND ALL COSTS ASSOCIATED WITH THIS PHASING, INCLUDING TEMPORARY SERVICES, TEMPORARY RELOCATION, PREMIUM TIME WORK, ETC. CONTRACTOR SHALL COORDINATE ALL SAID WORK WITH THE OWNER AND APPLICABLE UTILITIES PER THE CONTRACT DOCUMENTS.

PLUMBING LEGEND
FOR:
KING MIDDLE SCHOOL RESTROOM RENOVATIONS
MERCER COUNTY BOARD OF EDUCATION
HARRODSBURG, KENTUCKY

M.E.&P. Engineer:
CM&A, Inc.
220 Lex. Green Circle, Ste. 600
Lexington, KY 40503
p.857.253.0892

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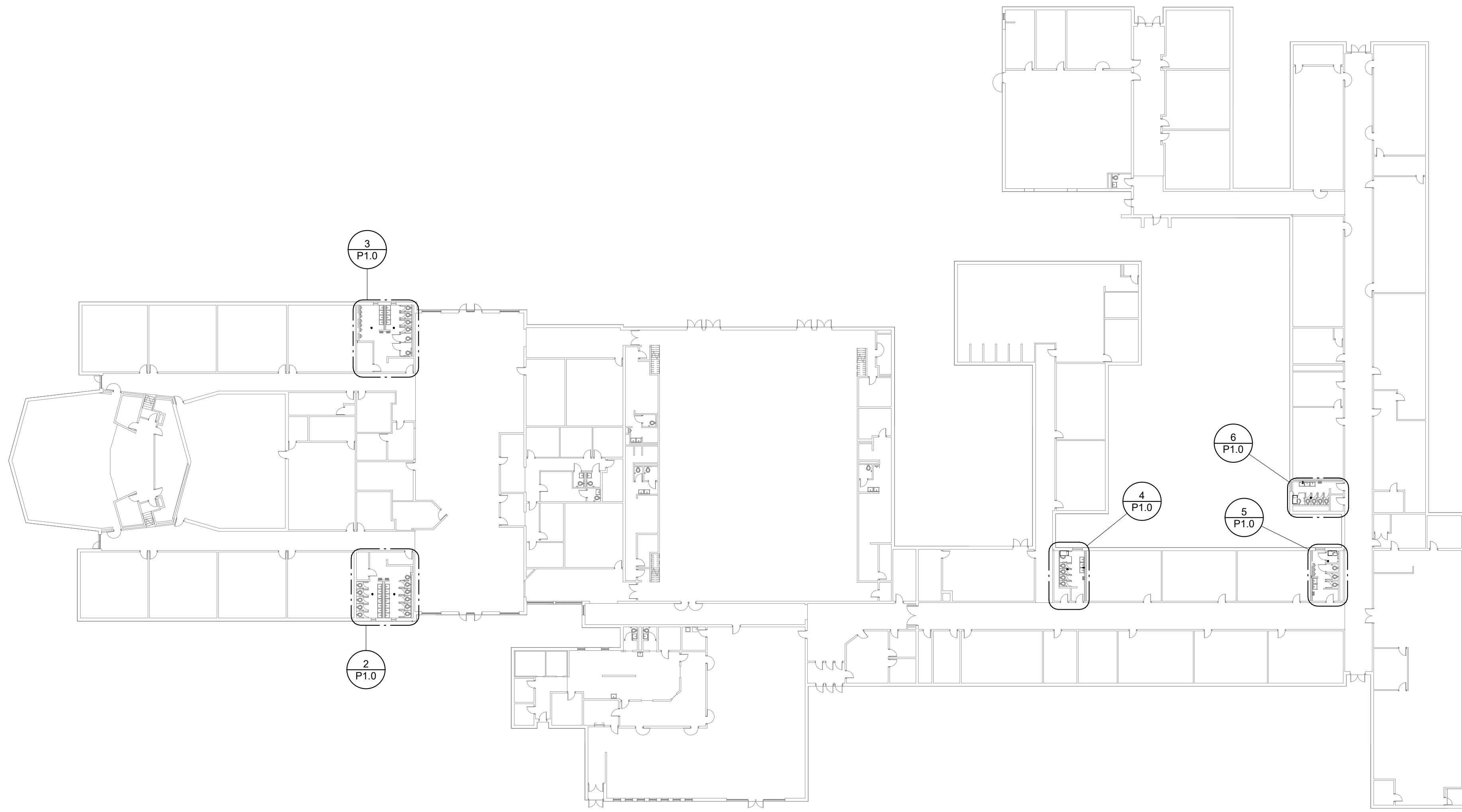
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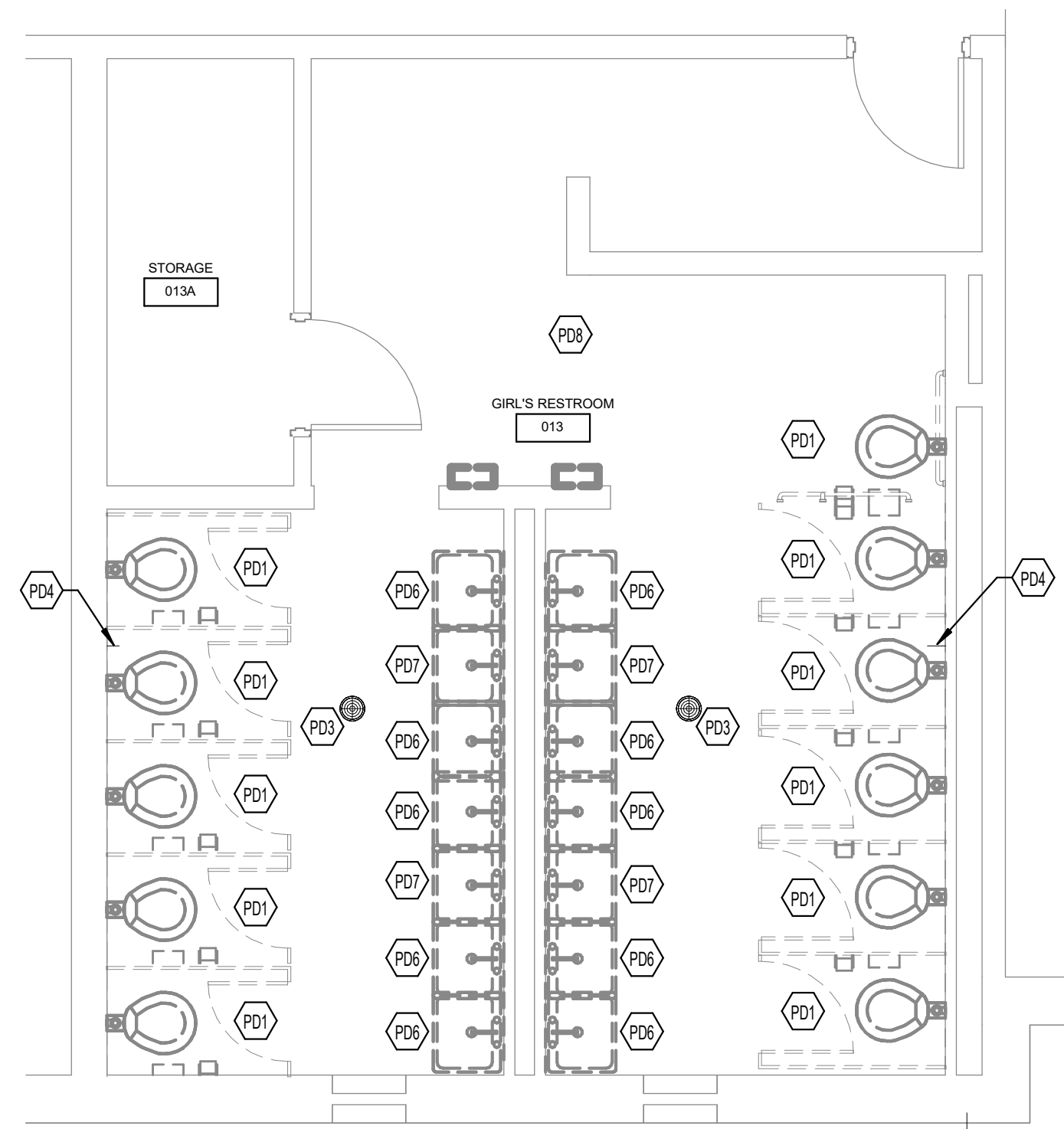
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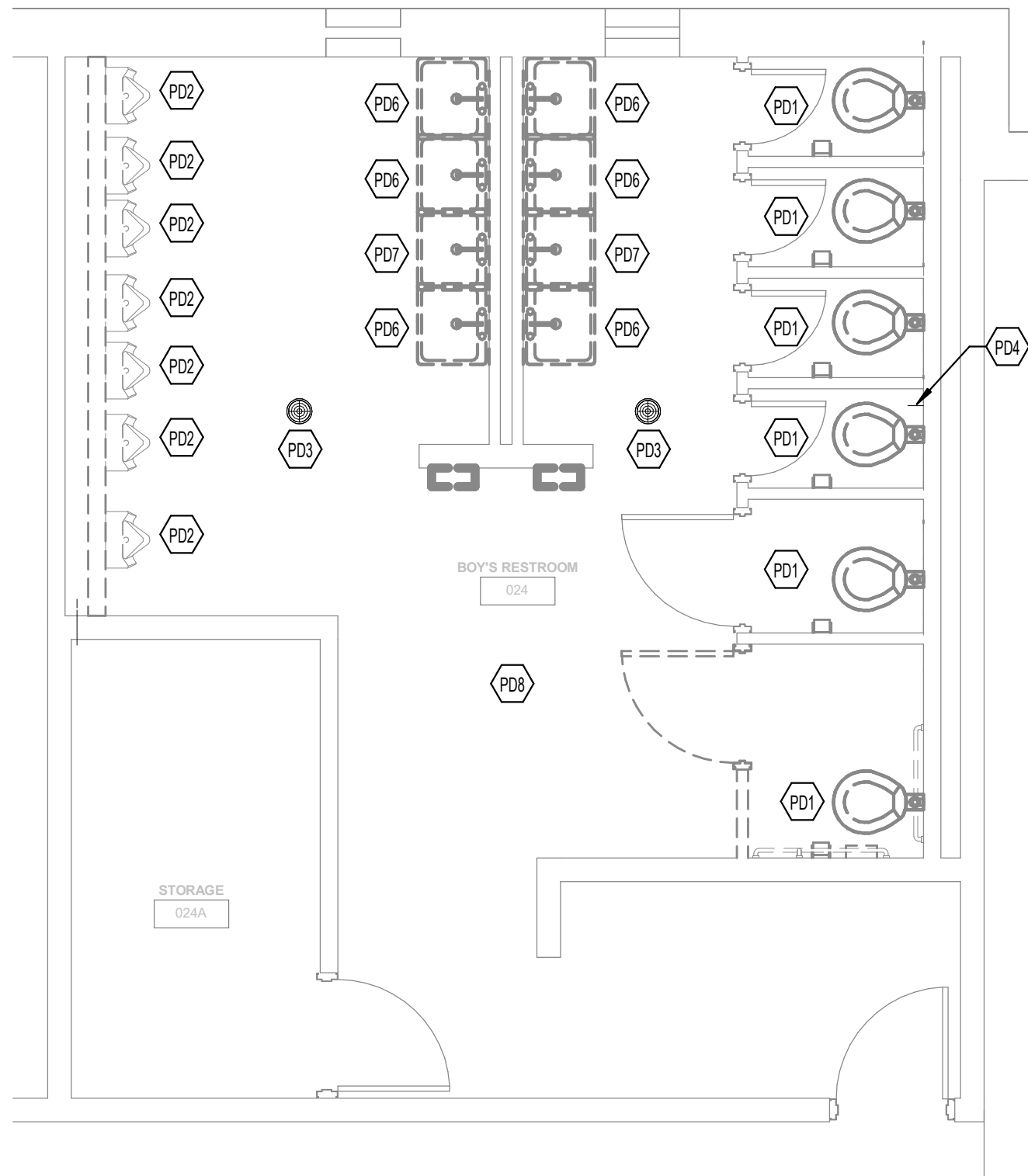
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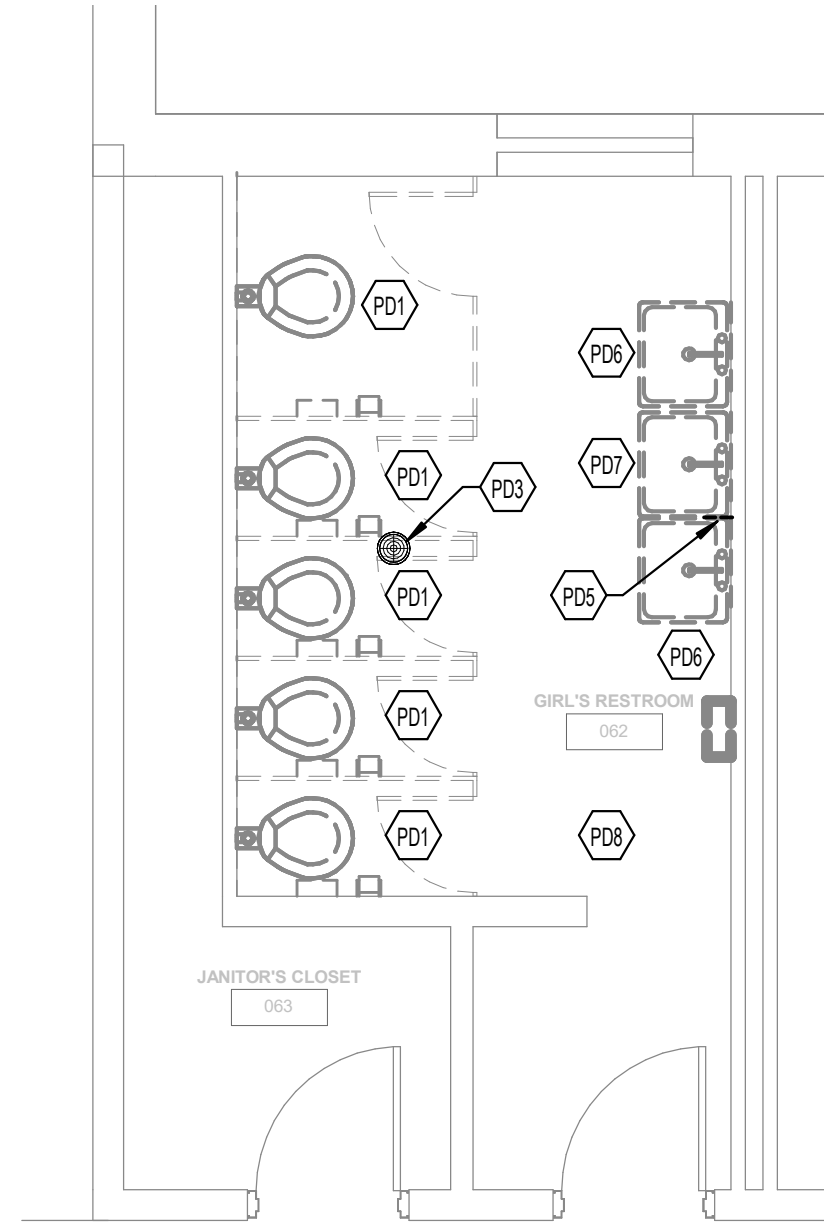
1 PLUMBING DEMOLITION KEY PLAN
SCALE: 1/32" = 1'-0"



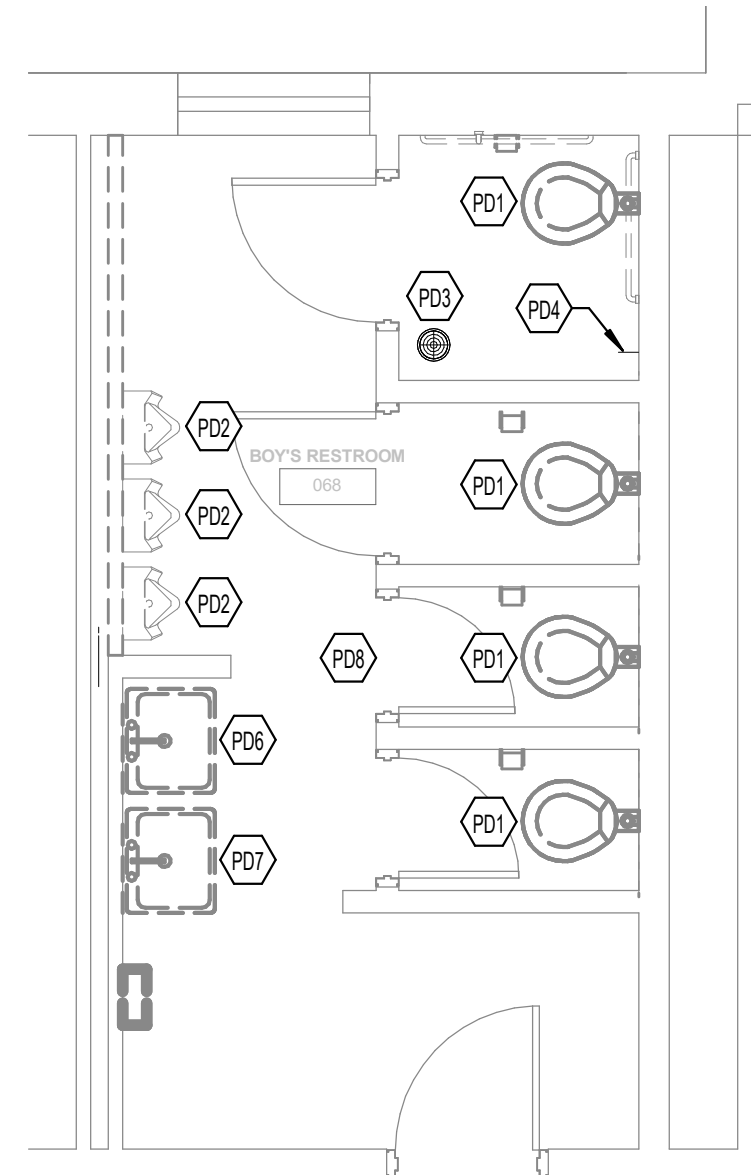
2 GIRL'S RR 1 - PLUMBING DEMO
SCALE: 1/4" = 1'-0"



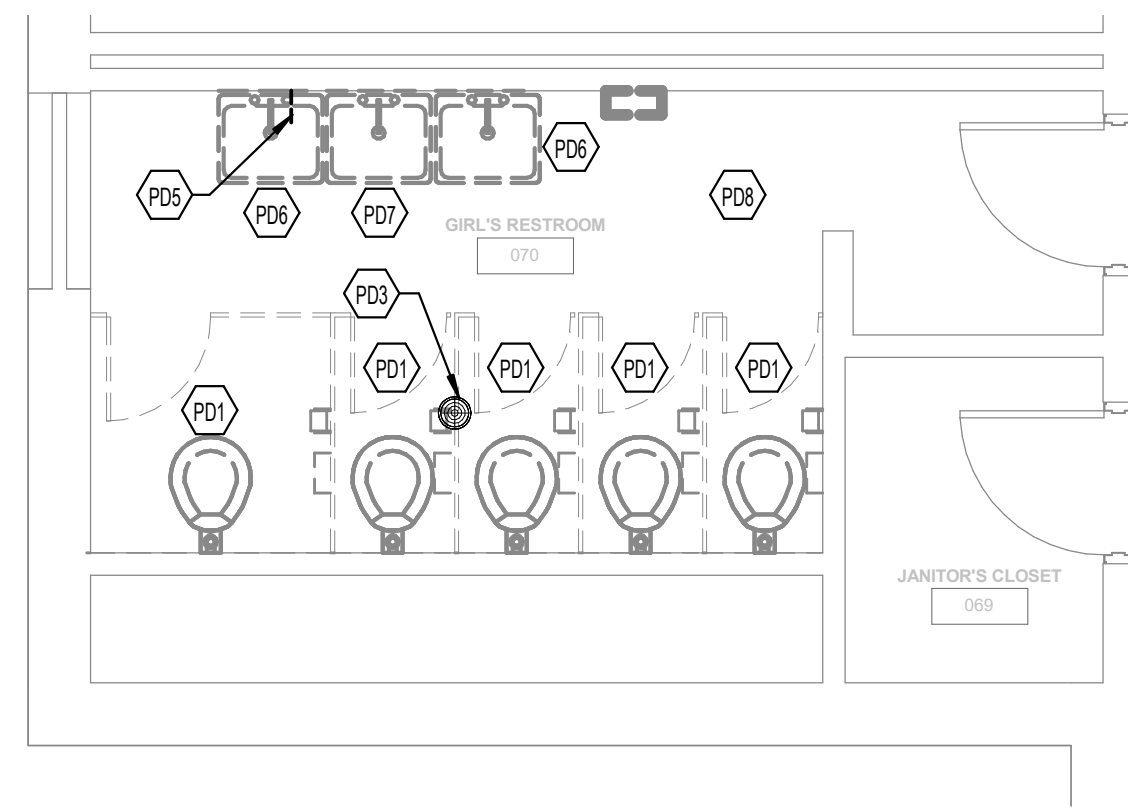
3 BOY'S RR 1 - PLUMBING DEMO
SCALE: 1/4" = 1'-0"



4 GIRL'S RR 2 - PLUMBING DEMO
SCALE: 1/4" = 1'-0"



5 BOY'S RR 2 - PLUMBING DEMO
SCALE: 1/4" = 1'-0"



6 GIRL'S RR 3 - PLUMBING DEMO
SCALE: 1/4" = 1'-0"

- PLUMBING DEMOLITION NOTES**
- A THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR AREAS IN WHICH THE CEILING IS REMAINING. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING THE EXISTING CEILING AS REQUIRED AND REINSTALLATION. TEMPORARILY SUPPORT LIGHTS, DIFFUSERS, CEILING ETC. REPLACE BROKEN CEILING TILES WITH NEW AT NO ADDITIONAL COST TO OWNER. FIELD VERIFY EXACT REQUIREMENTS.
 - B DURING SPRINKLER SYSTEM OUTAGES THE CONTRACTOR SHALL PROVIDE FIRE WATCH OF AREAS WITH OUTAGES.
 - C ALL WALLS AND FLOOR SLABS SHALL BE REPAIRED TO MATCH EXISTING AND TO A LIKE NEW CONDITION. ALL RATED WALLS AND FLOOR SLABS SHALL BE PATCHED AND REPAIRED TO MAINTAIN RATING.
 - D ALL EXISTING BUILDING FINISHES SHALL BE PROTECTED DURING THE DEMOLITION PHASE.
 - E HEAVY DASHED LINES INDICATE ITEMS FOR REMOVAL (UON) AND LIGHT SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.
 - F COORDINATE DISPOSAL OF ALL FIXTURES, DEVICES, ETC. (INDICATED FOR DEMOLITION) WITH THE OWNER.
 - G ALL OUTAGES SHALL BE SCHEDULED THROUGH THE PROJECT REPRESENTATIVE FOR PROPER COORDINATION. A REQUEST FOR AN OUTAGE SHALL BE SUBMITTED IN WRITING A MINIMUM OF TWO WEEKS IN ADVANCE.

TAGGED NOTES

- PD1 REMOVE EXISTING PLUMBING FIXTURE COMPLETELY. EXISTING ROUGH-IN TO REMAIN.
- PD2 REMOVE EXISTING PLUMBING FIXTURE COMPLETELY INCLUDING EXISTING SUPPLY, WASTE, AND VENT ROUGH-IN.
- PD3 EXISTING FLOOR DRAIN TO REMAIN.
- PD4 EXISTING HOSE BIB TO REMAIN.
- PD5 REMOVE EXISTING HOSE BIB ENTIRELY. CAP PIPING AT WALL.
- PD6 REMOVE EXISTING LAVATORY COMPLETELY. CAP PIPING AT WALL.
- PD7 REMOVE EXISTING LAVATORY COMPLETELY. EXISTING ROUGH-IN TO REMAIN.
- PD8 CONTRACTOR TO PROTECT EXISTING SPRINKLER SYSTEM DURING CEILING REMOVAL.

PLUMBING PLANS - DEMOLITION
KING MIDDLE SCHOOL RESTROOM RENOVATIONS
FOR:
MERCER COUNTY BOARD OF EDUCATION
HARRODSBURG, KENTUCKY

M.E.&P. Engineer:
CMI/A, Inc.
220 Lex. Green Circle, Ste. 600
Lexington, KY 40503
p. 857.253.0892

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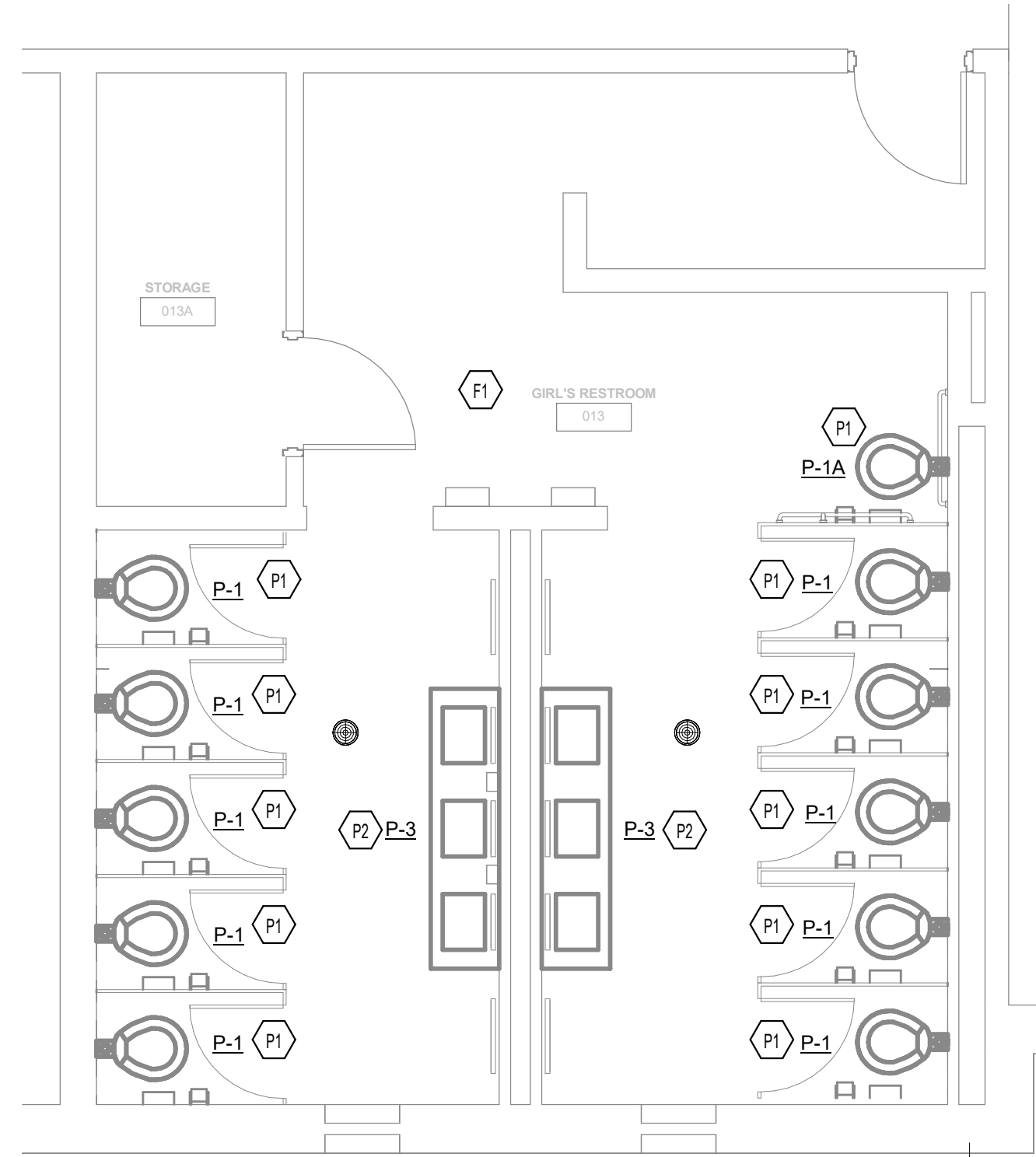
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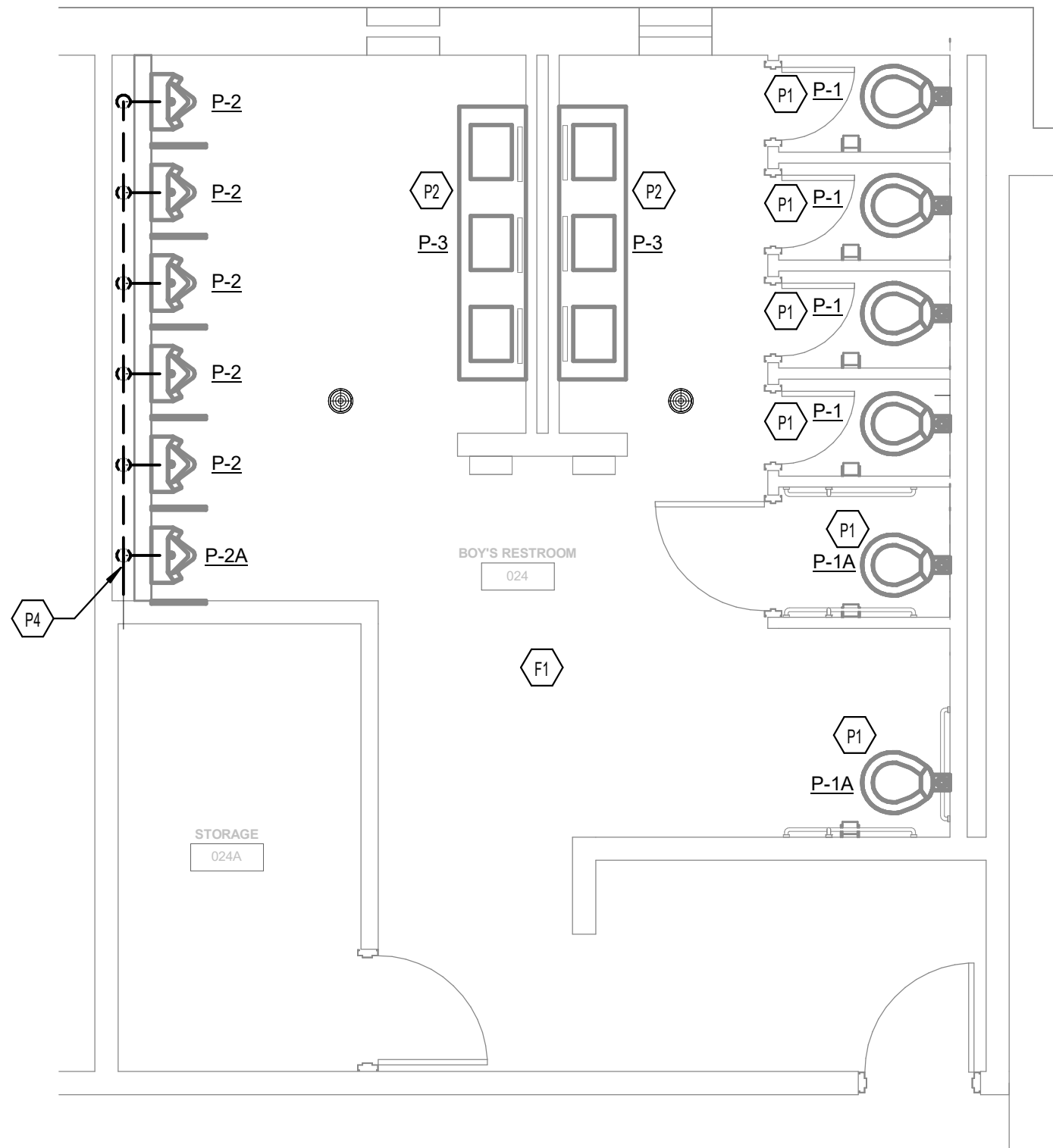
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PLUMBING PLANS -
DEMOLITION
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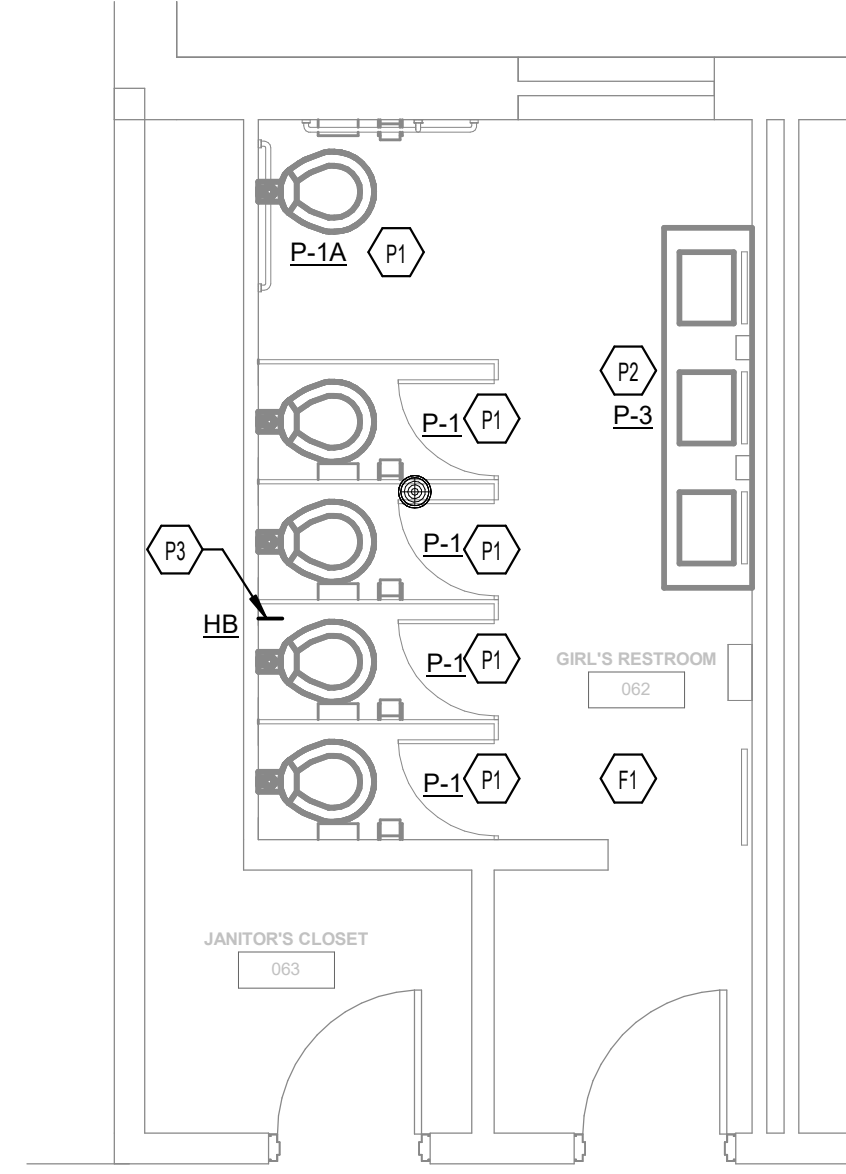




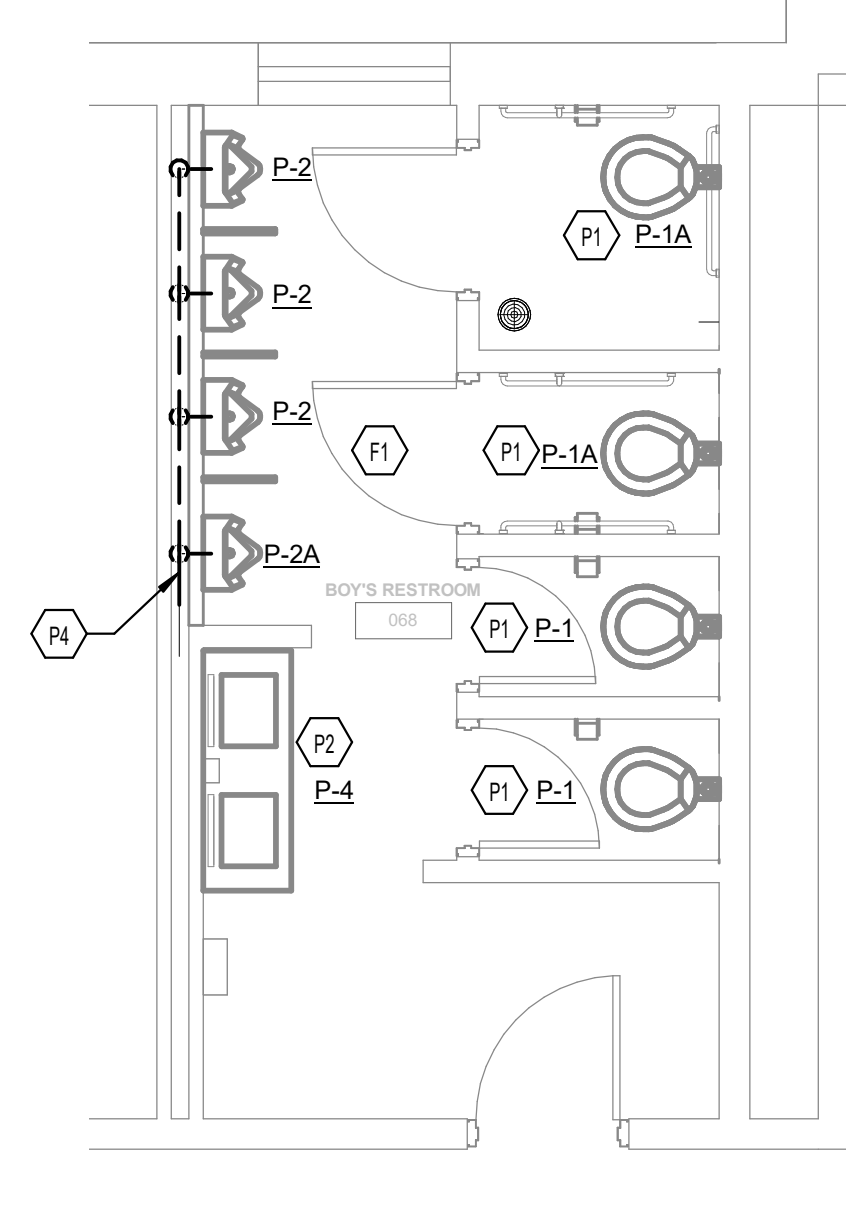
2 GIRL'S RR 1 - PLUMBING PLAN
SCALE: 1/4" = 1'-0"



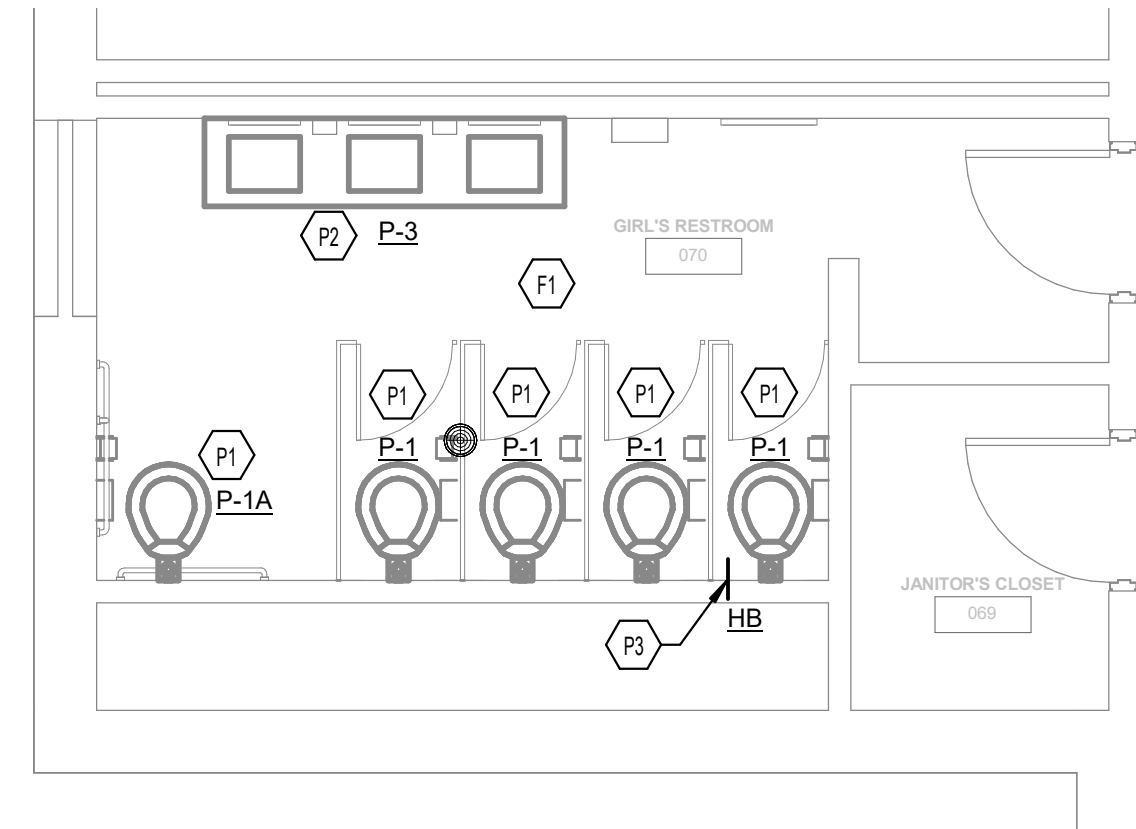
3 BOY'S RR 1 - PLUMBING PLAN
SCALE: 1/4" = 1'-0"



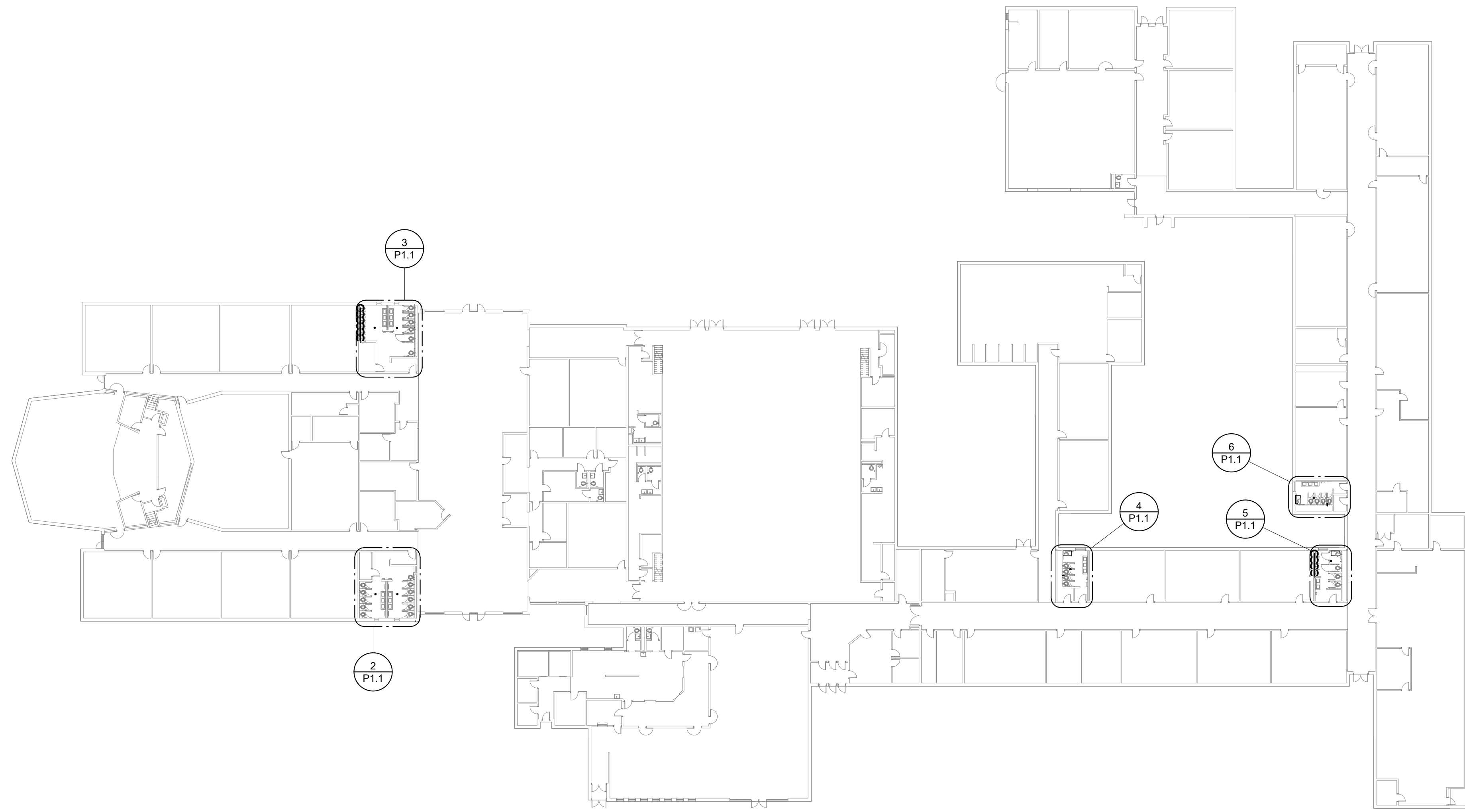
4 GIRL'S RR 2 - PLUMBING PLAN
SCALE: 1/4" = 1'-0"



5 BOY'S RR 2 - PLUMBING PLAN
SCALE: 1/4" = 1'-0"



6 GIRL'S RR 3 - PLUMBING PLAN
SCALE: 1/4" = 1'-0"

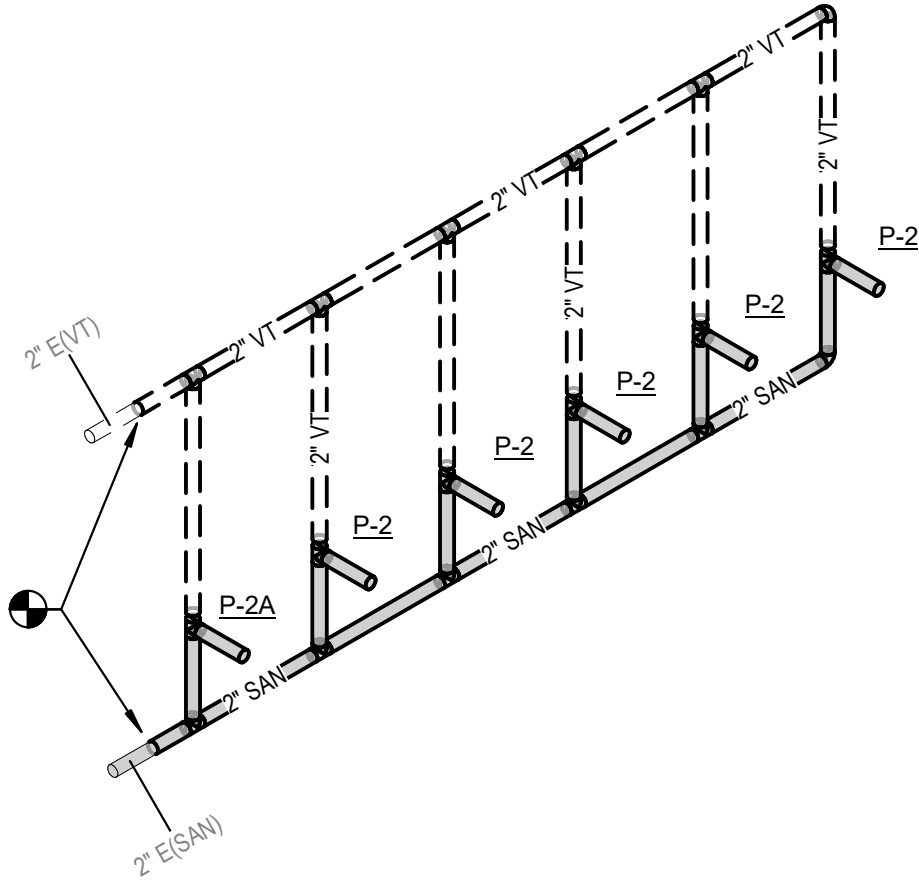


1 PLUMBING KEY PLAN
SCALE: 1/32" = 1'-0"

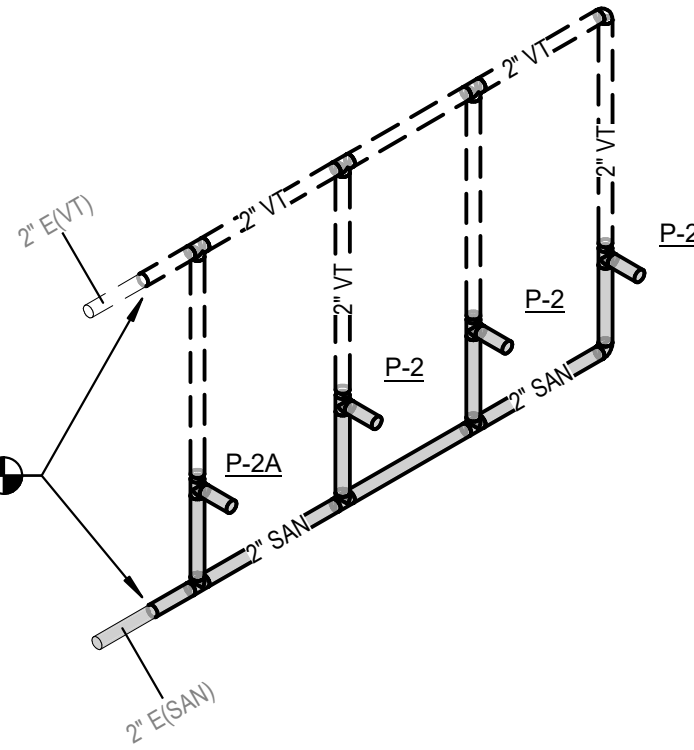
- TAGGED NOTES**
- F1 CONTRACTOR TO REINSTALL SPRINKLER HEADS IN NEW CEILING GRID ADJUSTING LOCATION AS REQUIRED.
 - P1 INSTALL NEW FIXTURE IN PLACE OF EXISTING. CONNECT TO EXISTING PIPING ROUGH-IN.
 - P2 INSTALL NEW WASH STATION IN PLACE OF EXISTING WALL HUNG LAVATORIES. CONNECT TO EXISTING PIPING ROUGH-IN.
 - P3 INSTALL NEW HOSE BIB IN EXISTING TOILET STALL. CONNECT TO EXISTING DOMESTIC COLD WATER IN CHASE.
 - P4 CONNECT NEW SANITARY AND VENT PIPING TO EXISTING IN CHASE.

PLUMBING FIXTURE SCHEDULE					
TAG	DESCRIPTION	CW	HW	VENT	WASTE/DRAIN
HB	HOSE BIBB - ZURN MODEL Z1350 OR EQUAL ENCASED MODERATE CLIMATE WALL HYDRANT FOR NARROW WALL INSTALLATION. WITH ALL BRONZE BODY, ALL BRONZE INTERIOR PARTS, REPLACEABLE SEAT WASHER, LOOSE KEY OPERATED CONTROL VALVE, VACUUM BREAKER AND 3/4" MALE HOSE CONNECTION. ADJUSTABLE STAINLESS STEEL BOX FURNISHED WITH HINGED COVER CYLINDER LOCK AND "WATER" STAMPED ON THE COVER. MOUNTED WITH HOSE CONNECTION AT 18" ABOVE FINISHED FLOOR ELEVATION OF AREA SERVED.	1/2"	-	-	-
P-1	WATER CLOSET - FLOOR MOUNTED - MANUAL FLUSH VALVE - VITREOUS CHINA, 18" HIGH ELONGATED BOWL, SIPHON JET, 1 1/2" TOP SPUD INLET, CHINA BOLT CAPS AND WHITE OPEN FRONT PLASTIC SEAT WITH SELF-SUSTAINING CHECK HINGES. PROVIDE WITH MANUAL 1.6 GPF FLUSH VALVE.	1-1/2"	-	2"	4"
P-1A	VITREOUS CHINA, 15" HIGH ELONGATED BOWL, SIPHON JET, 1 1/2" TOP SPUD INLET, CHINA BOLT CAPS AND WHITE OPEN FRONT PLASTIC SEAT WITH SELF-SUSTAINING CHECK HINGES. PROVIDE WITH MANUAL 1.6 GPF FLUSH VALVE.	1-1/2"	-	2"	4"
P-2	URINAL - VITREOUS CHINA WASHDOWN URINAL WITH 3/4" TOP SPUD INLET, 2" I.P.S. OUTLET AND 1.0 GPF MANUAL FLUSH VALVE AND VANDAL RESISTANT OUTLET STRAINER. MOUNT WITH LIP OF URINAL AT 24" ABOVE FINISHED FLOOR. PROVIDE FLOOR MOUNTED WALL CARRIER.	3/4"	-	2"	2"
P-2A	URINAL - ADA COMPLIANT - VITREOUS CHINA WASHDOWN URINAL WITH 3/4" TOP SPUD INLET, 2" I.P.S. OUTLET AND 1.0 GPF MANUAL FLUSH VALVE AND VANDAL RESISTANT OUTLET STRAINER. MOUNT WITH LIP OF URINAL AT 16" ABOVE FINISHED FLOOR. CONTROLS SHALL BE A MAXIMUM OF 36" ABOVE FINISHED FLOOR. PROVIDE FLOOR MOUNTED WALL CARRIER.	3/4"	-	2"	2"
P-3	3 STATION LAVATORY SYSTEM - BRADLEY MODEL FL-3L OR EQUAL THREE STATION LAVATORY SYSTEM, WALL HUNG WITH RIM AT 32" AFF, WITH SOLID SURFACE TERREON MATERIAL WITH CAPACTIVE SENSOR SOLENOID VALVE AND A BATTERY PACK. PROVIDE WITH THERMOSTATIC MIXING VALVE ASSEMBLY. PROVIDE WITH CHROME PLATED SUPPLIES, ANGLE STOPS, P-TRAP AND ESCUTCHEONS. COLOR SHALL BE SELECTED BY THE ARCHITECT. 90" MAX. WIDTH.	1/2"	1/2"	2"	2"
P-4	2 STATION LAVATORY SYSTEM - BRADLEY MODEL FL-2L OR EQUAL TWO STATION LAVATORY SYSTEM, WALL HUNG WITHLOW RIM AT 32" AFF, WITH SOLID SURFACE TERREON MATERIAL WITH CAPACTIVE SENSOR SOLENOID VALVE AND A BATTERY PACK. PROVIDE WITH THERMOSTATIC MIXING VALVE ASSEMBLY. PROVIDE WITH CHROME PLATED SUPPLIES, ANGLE STOPS, P-TRAP AND ESCUTCHEONS. COLOR SHALL BE SELECTED BY THE ARCHITECT. 60" MAX WIDTH.	1/2"	1/2"	2"	2"

ACCEPTABLE MANUFACTURERS FOR PLUMBING FIXTURES, TRIM, & EQUIPMENT			
WATER CLOSETS, LAVATORIES, URINALS AMERICAN STANDARD, KOHLER.	MOP SINKS AND SERVICE SINKS FIAT PRODUCTS, AMERICAN STANDARD, KOHLER, FLORESTONE, STERN-WILLIAMS	WASH FOUNTAINS BRADLEY, ACORN, WILLOUGHBY, INTERSAN	TRAP PRIMERS PPP, SIOUX CHIEF, ZURN
FAUCETS AND TRIM AMERICAN STANDARD, KOHLER, DELTA, ZURN, MOEN	FIXTURE CARRIERS ZURN, TYLER, JOSAM, WATTS, JAY R. SMITH	EMERGENCY FIXTURES - EYEWASH, SHOWERS GUARDIAN, BRADLEY, SPEAKMAN	WATER HEATERS LOCHINVAR, AO SMITH, BRADFORD WHITE, STATE
FLUSH VALVES SLOAN, ZURN, MOEN	STAINLESS STEEL SINKS ELKAY, JUST, MOEN, STERLING	P-TRAP INSULATION KIT (TRAP WRAP) TRUEBRO, BROCAR, PLUMBEREX	TEMPERING VALVES LEONARD, LAWLER, BRADLEY, SYMMONS
FIXTURE SEATS BEMIS, CHURCH, OLSONITE	SHOWER BRADLEY, ZURN, SYMMONS, CHICAGO, SPEAKMAN, POWERS, ACORN, MOEN	FLOOR DRAINS ZURN, WADE, JOSAM, JAY R. SMITH, WATTS	EXPANSION TANKS AMTROL, WATTS, BELL & GOSSETT
ELECTRIC WATER COOLERS ELKAY, HALSEY ACORN, HAWS	WASHER BOX GUY GRAY, WOLVERINE	WALL HYDRANTS AND HOSE BIBBS ZURN, WOODFORD, WATTS	SHOWER VALVES LEONARD, LAWLER, BRADLEY, POWERS



1 BOY'S RR 1 RISER
SCALE: NONE



2 BOY'S RR 2 RISER
SCALE: NONE

PLUMBING DETAILS & SCHEDULES
KING MIDDLE SCHOOL RESTROOM RENOVATIONS
FOR:
MERCER COUNTY BOARD OF EDUCATION
HARRODSBURG, KENTUCKY

M.E.&P Engineer:
CMTA, Inc.
220 Lex. Green Circle, Ste. 600
Lexington, KY 40503
p.857.253.0892

BG# 23-289

Project No: 2282
Drawn By: ADS
Rev'd By: ADS

SHEET RELEASE	
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CONSTRUCTION DOCUMENTS

P2.0
PLUMBING DETAILS &
SCHEDULES
DATE ISSUED:
Issue Date



rostantant
architects
101 old ladyette avenue lexington, kentucky 40502 p.857.254.4018

MECHANICAL GENERAL NOTES

- A COORDINATE THE LOCATION OF DRAINS, THERMOSTATS, GAS OUTLETS, ETC., WITH ALL CASEWORK EQUIPMENT, MECHANICAL ROOM EQUIPMENT, ETC., PRIOR TO COMMENCING INSTALLATION. WORK NOT SO COORDINATED SHALL BE REMOVED AND PROPERLY INSTALLED AT THE EXPENSE OF THE CONTRACTOR.
- B THE CONTRACTOR SHALL EXERCISE EXTREME CARE IN THE COURSE OF THEIR WORK SO AS TO ENSURE THAT THEY DO NOT INTERRUPT ANY EXISTING SERVICE. FOR SAFETY PURPOSES, PAY PARTICULAR ATTENTION TO THIS PRECAUTION RELATIVE TO NATURAL GAS AND ELECTRICAL LINES. VERIFY THE LOCATION, SIZE, TYPE, ETC., OF EACH UNDERGROUND OR OVERHEAD UTILITY. ALL WORK SHALL BE PERFORMED IN ACCORD WITH ALL FEDERAL, STATE AND/OR LOCAL RULES, REGULATIONS, STANDARD AND SAFETY REQUIREMENTS. UTILITIES SHALL BE INSTALLED IN ACCORD WITH THE APPLICABLE MUNICIPALITY OR UTILITY COMPANY STANDARDS. IN ALL CASES, THE MOST STRINGENT REQUIREMENT SHALL APPLY.
- C WHERE WORK IS REQUIRED ABOVE EXISTING LAY-IN, PLASTER OR GYPSUM BOARD CEILINGS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND REINSTALLATION (OR REPLACEMENT, IF DAMAGED) OF ALL CEILING OR TILE AND GRID MEMBERS NECESSARY TO PERFORM HIS WORK. NEW TILE AND GRID SHALL MATCH THE SURROUNDING AREAS. ALL PATCHING WORK SHALL MATCH ADJACENT SURFACES.
- D ALL NEW WORK SHALL BE HUNG FROM STRUCTURE, NOT FROM THE WORK OF OTHER TRADES, WHETHER EXISTING OR NEW.
- E COORDINATE ALL WORK WITH PROJECT PHASING REQUIREMENTS.
- F PATCH, REPAIR AND PAINT OR PROVIDE WALL COVERING FOR (TO OWNER'S STANDARDS) EXISTING WALLS, CEILINGS, ETC., THAT ARE TO REMAIN IF DAMAGED DURING CONSTRUCTION. REPAIRS SHALL MATCH ADJACENT SURFACES TO THE SATISFACTION OF THE ARCHITECT AND OWNER.
- G OBSERVE ALL APPLICABLE CODES, RULES AND REGULATIONS THAT MAY APPLY TO THE WORK UNDER THIS CONTRACT. (CITY, COUNTY, LOCAL, FEDERAL, MUNICIPALITY, UTILITY COMPANY, COMMONWEALTH OF KENTUCKY, ETC.)
- H CONTRACTOR SHALL BE AWARE OF UNSEEN PLUMBING, HVAC AND ELECTRICAL WORK DURING DEMOLITION. IF ITEMS ARE UNCOVERED DURING DEMOLITION THEN FIELD VERIFY THE USE OF THE ITEMS AND PLAN AN ALTERNATE ROUTE TO RUN THESE ITEMS. THEN CONTACT THE ENGINEERS TO REVIEW THE ROUTING.
- I WHERE FIRE PROOFING IS SPRAYED ON EXISTING STRUCTURE ALL EXISTING CONDUITS, WATER, HYDROMIC, STEAM, CHILLED WATER, FIRE PROTECTION LINES, MED GAS, ETC. SHALL BE LOWERED TO BE BELOW FULL THICKNESS OF FIRE PROOFING WITH NO INTERFERENCE.
- J ALL PENETRATIONS OF FIRE AND SMOKE RATED ASSEMBLIES SHALL BE APPROPRIATELY FIRE STOPPED PER AN APPROVED U.L. LISTED STANDARD. CONTRACTOR SHALL PAY PARTICULAR ATTENTION TO INSULATED PIPING PENETRATIONS.
- K ALL WORK REQUIRING DOWNTIME OF ANY AREA IN THE BUILDING SHALL BE SCHEDULED 2 WEEKS IN ADVANCE.
- L ALL DUCTWORK, PIPING, CONDUITS, ETC. IN ROOMS WITH CEILINGS SHALL BE ABOVE CEILING EXCEPT AS NOTED.
- M LOCATIONS OF PIPING, DUCTS AND EQUIPMENT ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD. DO NOT SCALE THE DRAWINGS.
- N ALL OFFSETS IN DUCTS AND PIPING ARE NOT NECESSARILY SHOWN. PROVIDE ADDITIONAL OFFSETS WHERE NECESSARY.
- O COORDINATE ALL HVAC WORK WITH ELECTRICAL, PLUMBING AND OTHER TRADES TO AVOID INTERFERENCE WITH PIPING, DUCTS, CONDUIT AND OTHER EQUIPMENT.
- P INSTALL ALL PIPING, DUCTWORK AND EQUIPMENT IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTION. IF IN CONFLICT WITH THE DESIGN INDICATED IN CONTRACT DOCUMENTS, ADVISE THE ENGINEERS PRIOR TO INSTALLATION FOR CLARIFICATION. PROVIDE RECOMMENDED ACCESS AND SERVICE CLEARANCES FOR ALL EQUIPMENT.
- Q SEAL AIRTIGHT AROUND ALL DUCTS AND PIPING PENETRATIONS THROUGH WALLS, FLOORS AND ROOF. PROVIDE FIRE STOPPING IN FIRE PARTITION.
- R SEAL ALL NEW DUCTWORK JOINTS WITH UNITED MCGILL, IRONGRIP 601 OR EQUAL WATER BASED SEALANT.
- S ALL MOTOR DRIVEN EQUIPMENT SHALL BE INSTALLED WITH FLEXIBLE CONNECTIONS TO DUCTWORK, PIPING, ETC., UNLESS OTHERWISE NOTED.
- T THE CONTRACTOR SHALL RELOCATE OR AVOID ANY EXISTING EQUIPMENT APPURTENANCES, ETC., THAT CONFLICT WITH NEW WORK.
- U WHERE MOUNTING HEIGHTS ARE NOT INDICATED OR ARE IN CONFLICT WITH ANY OTHER BUILDING SYSTEM, CONTACT THE ENGINEERS BEFORE INSTALLATION. REFER ALSO TO ARCHITECTURAL WALL, INTERIOR AND EXTERIOR WALL ELEVATIONS, CEILING HEIGHTS AND OTHER DETAIL OF THESE DOCUMENTS.
- V DOUBLE WIDTH TURNING VANES SHALL BE INSTALLED IN ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK ELBOWS.
- W ANY VIBRATING, OSCILLATING OR OTHER NOISE OR MOTION PRODUCING EQUIPMENT SHALL BE ISOLATED FROM SURROUNDING SYSTEMS IN AN APPROVED MANNER. NOISY OR STRUCTURALLY DAMAGING INSTALLATIONS SHALL BE SATISFIED OR REPAIRED AT THE INSTALLING CONTRACTOR'S EXPENSE. THE FINAL DECISION ON THE SUITABILITY OF A PARTICULAR INSTALLATIONS ACCEPTABILITY SHALL BE THAT OF THE ENGINEER.
- X DEVIATIONS IN SIZE, CAPACITIES, FIT, FINISH, ETC. FOR EQUIPMENT FROM THAT USED AS BASIS OF DESIGN SHALL BE THE RESPONSIBILITY OF THE PURCHASER OF THAT EQUIPMENT. ANY EQUIPMENT REQUIRED TO ACCOMMODATE A DEVIATION, WHETHER APPROVED BY THE ENGINEERS OR NOT, SHALL BE THE RESPONSIBILITY OF THE PURCHASER.
- Y VALVES, BALANCING DAMPERS OR ANY MECHANICAL/ELECTRICAL ITEM REQUIRING ACCESS SHALL NOT BE LOCATED ABOVE A HARD CEILING. IF THIS IS NOT POSSIBLE, THEN AN APPROPRIATELY SIZED ACCESS DOOR SHALL BE PLACED UNDER THE ITEM TO ALLOW EASY MAINTENANCE AND ADJUSTMENT. ADDITIONALLY ALL SUCH ITEMS SHALL NOT BE LOCATED AN UNREASONABLE DISTANCE ABOVE THE CEILING. IN GENERAL, ALL SUCH ITEMS UNLESS INDICATED OTHERWISE SHALL BE TWELVE INCHES ABOVE THE CEILING. IF IN DOUBT, CONTACT ENGINEER PRIOR TO INSTALLING.
- Z THE DOCUMENTS COMPLY WITH CODES LISTED.
- AA WORK IN CONFINED AREAS SHALL BE IN ACCORDANCE WITH THE OWNER'S SAFETY POLICY REQUIREMENTS.

ABBREVIATIONS	
AC	ALTERNATING CURRENT
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
AFR	ABOVE FINISHED ROOF
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY
AHJ	AUTHORITY HAVING JURISDICTION
AMP	AMPERE (AMP, AMPS)
ANSI	AMERICAN NATIONAL STANDARD INSTITUTE
APD	AIR PRESSURE DROP
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATION, AND AIR-CONDITIONING ENGINEERS
ATU	AIR TERMINAL UNIT
AVG	AVERAGE
BAS	BUILDING AUTOMATION SYSTEM
BHP	BREAK HORSEPOWER
BTU	BRITISH THERMAL UNIT
CAP	CAPACITY
CAV	CONSTANT AIR VOLUME
CD	CONDENSATE DRAIN
CFM	CUBIC FEET PER MINUTE
C.I.	CAST IRON
CLG	CEILING
CLR	CLEAR
CO	CARBON MONOXIDE
CO2	CARBON DIOXIDE
COND	CONDENS (-ER, -ING, -ATION, -ATE)
CONT	CONTINU (-ED, -OUS)
CU FT	CUBIC FEET
CU IN	CUBIC INCHES
CV	VALVE FLOW COEFFICIENT
dB	DECIBEL
DB	DRY BULB
DBT	DRY BULB TEMPERATURE
DC	DIRECT CURRENT
DD	DUCT SMOKE DETECTOR
DDC	DIRECT DIGITAL CONTROLS
DEG	DEGREE (-S)
DIA	DIAMETER (-S)
DN	DOWN
DWG	DRAWING
EAT	ENTERING AIR TEMPERATURE
EC	ELECTRICAL CONTRACTOR
ELEV	ELEVATION (-TOR)
ENGR	ENGINEER
EQ	EQUAL
ESP	EXTERNAL STATIC PRESSURE
ETR	EXISTING TO REMAIN
EVAP	EVAPORAT (-E, -ING, -ED, -OR, -ION)
EWI	ENTERING WATER TEMPERATURE
EXP	EXPANSION
EXT	EXTERIOR
FA	FREE AREA

ABBREVIATIONS (CONTINUED)	
FD	FIRE DAMPER
FL	FLOOR
FLA	FULL LOAD AMPS
FOT	FLAT ON BOTTOM
FOT	FLAT ON TOP
FPC	FIRE PROTECTION CONTRACTOR
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FT	FEET OR FOOT
FUT	FUTURE
FV	FACE VELOCITY
GA	GAGE/GAUGE
GAL	GALLON (-S)
GC	GENERAL CONTRACTOR
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GR	GRAINS
H	HUMIDITY
HD	HEAD
HG	MERCURY
HORIZ	HORIZONTAL
HP	H (-ORSEPOWER, -EAT PUMP)
HR	HOUR (-S)
HVAC	HEATING, VENTILATING, & AIR-CONDITIONING
Hz	HERTZ
ID	I (-DENTIFICATION, -NSIDE DIAMETER, -NSIDE DIMENSION)
IN	INCH (-ES)
INSUL	INSULAT (-ED, -ION)
INT	INTER (-IOR, -ERVAL)
IPS	IRON PIPE SIZE
kW	KILOWATT
kWh	KILOWATT HOUR
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LF	LINEAR FEET/FOOT
LRA	LOCKED ROTOR AMPS
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MBH	BTU PER HOUR [THOUSANDS]
MCA	MINIMUM CIRCUIT AMPS
MFG	MANUFACTURER
MIN	MIN (-IMUM, -UTE)
MISC	MISCELLANEOUS
MOCP	MAXIMUM OVERCURRENT PROTECTION [AMPS]
MTG	MOUNTING
N/A	NOT APPLICABLE
NC	NOISE CRITERIA OR NORMALLY CLOSED
NEBB	NATIONAL ENVIRONMENTAL BALANCING BUREAU
NIC	NOT IN CONTRACT

ABBREVIATIONS (CONTINUED)	
NO	NORMALLY OPEN OR NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DI (-AMETER, -MENSION)
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
OR	OPEN RECEPTACLE
OZ	OUNCE (-S)
PC	PLUMBING CONTRACTOR
PD	PRESSURE DROP
PH	PHASE [ELECTRICAL]
PLBG	PLUMBING
PPM	PARTS PER MILLION
PRS	PRESSURE REDUCING STATION
PRV	PRESSURE REDUCING VALVE (STEAM, WATER, GAS)
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIG	PPSI GAUGE
RH	RELATIVE HUMIDITY [%]
RLA	RUNNING LOAD AMPS
RPM	REVOLUTIONS PER MINUTE
SD	SMOKE DAMPER
SP	STATIC PRESSURE
SQ	SQUARE
SQ FT	SQUARE FEET OR FOOT
SQ IN	SQUARE INCH OR INCHES
TAB	TESTING AND BALANCING
TBD	TO BE DETERMINED
TE	TOP ELEVATION
TEMP	TEMPERATURE
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
V	VOLT (-AGE, -S)
VAR	VARI (-ABLE, -IES)
VAV	VARIABLE AIR VOLUME
VEL	VELOCITY
VFD	VARIABLE FREQUENCY DRIVE
W	WATT (-AGE, -S)
WB	WET BULB
WBT	WET BULB TEMPERATURE
WPD	WATER PRESSURE DROP
WT	WEIGHT
W/	WITH
W/O	WITHOUT
%	PERCENT
ΔP	DIFFERENTIAL PRESSURE
ΔT	TEMPERATURE DIFFERENCE
℄	CENTERLINE

GENERAL SYMBOLS	
	TAGGED NOTE DESIGNATOR
	REVISION TRIANGLE
	ROOM TAG
	EQUIPMENT TAG
	POINT OF CONNECTION / CONNECT TO EXISTING
	POINT OF DEMOLITION

HVAC LEGEND	
	SUPPLY AIR DIFFUSER
	RETURN AIR DIFFUSER
	EXHAUST AIR DIFFUSER
	TRANSFER AIR DIFFUSER W/ SOUND ATTENUATING BOOT
	SIDEWALL DIFFUSER/GRILLE
	AIR DEVICE TAG (REGISTER, GRILLE, DIFFUSER, LOUVER)
	RECTANGULAR DUCT
	ROUND/SPIRAL DUCT
	FLAT OVAL DUCT
	SUPPLY AIR DUCT
	RETURN AIR DUCT
	EXHAUST AIR DUCT
	OUTSIDE AIR DUCT
	TRANSFER AIR DUCT
	COMBUSTION AIR EXHAUST DUCT
	COMBUSTION AIR INTAKE DUCT
	SA AIR DUCT TURNING UP
	SA AIR DUCT TURNING DOWN
	RA AIR DUCT TURNING UP
	RA AIR DUCT TURNING DOWN
	EA AIR DUCT TURNING UP
	EA AIR DUCT TURNING DOWN
	EXISTING DUCT - (XXX) DENOTES SYSTEM
	DUCT TO BE DEMOLISHED - (XXX) DENOTES SYSTEM
	DUCT TO BE ABANDONED IN PLACE - (XXX) DENOTES SYSTEM
	MITERED ELBOW WITH TURNING VANES
	FLEXIBLE DUCT
	THERMOSTAT
	TEMPERATURE SENSOR
	HUMIDITY SENSOR
	CARBON DIOXIDE SENSOR
	TEMPERATURE & CARBON DIOXIDE SENSOR
	MANUAL BALANCING/VOLUME DAMPER
	MOTORIZED DAMPER
	FIRE DAMPER
	SMOKE DAMPER
	COMBINATION FIRE & SMOKE DAMPER

MECHANICAL PIPING LEGEND	
	PIPE ELBOW TURNING UP
	PIPE ELBOW TURNING DOWN
	PIPE TEE, CONNECTION ON TOP
	PIPE TEE, CONNECTION ON BOTTOM
	PIPE CAP
	BOILER FEED WATER
	COMBUSTION AIR INTAKE/EXHAUST
	CHILLED BEAM SUPPLY/RETURN
	CONDENSATE DRAIN
	CHILLED WATER SUPPLY/RETURN
	CLEAN STEAM PIPING
	CONDENSER WATER SUPPLY/RETURN
	DUAL TEMP. WATER SUPPLY/RETURN
	GEO THERMAL WATER SUPPLY/RETURN
	HIGH PRESSURE STEAM CONDENSATE
	HIGH PRESSURE STEAM; (H) DENOTES PRESSURE
	HEAT PUMP WATER SUPPLY/RETURN
	HEAT RECOVERY SUPPLY/RETURN PIPING
	HEATING WATER SUPPLY/RETURN
	LOW PRESSURE STEAM CONDENSATE
	LOW PRESSURE STEAM; (H) DENOTES PRESSURE
	MEDIUM PRESSURE STEAM RETURN
	MEDIUM PRESSURE STEAM; (H) DENOTES PRESSURE
	STEAM CONDENSATE PUMPED DISCHARGE
	STEAM VENT PIPING
	PIPING TO BE DEMOLISHED - (XXX) DENOTES SYSTEM
	EXISTING PIPING - (XXX) DENOTES SYSTEM
	ABANDONED IN PLACE PIPING - (XXX) DENOTES SYSTEM
	TWO-WAY CONTROL VALVE
	THREE-WAY CONTROL VALVE
	AUTOMATIC AIR VENT (AAV)
	MANUAL AIR VENT (MAV)
	MANUAL BALANCING VALVE (BV)
	BALL VALVE
	BUTTERFLY VALVE
	TRIPLE DUTY VALVE (TDV)
	STRAINER
	MANUAL ISOLATION VALVE
	GLOBE VALVE
	OS&Y (GATE) VALVE
	PRESSURE REDUCING VALVE (STEAM, GAS, WATER, ETC.)
	AUTO-FLOW CONTROL VALVE
	CHECK VALVE
	DOUBLE CHECK VALVE ASSEMBLY
	FLEXIBLE PIPE CONNECTION
	FLOW METER (VENTURI)
	PIPING UNION
	FLOW SWITCH
	PRESSURE SWITCH
	TAMPER SWITCH
	THERMOMETER
	PETE'S PLUG; TEMPERATURE/PRESSURE PORT

MECHANICAL HAZARDOUS MATERIALS NOTES

- A THE CONTRACTOR IT IS HEREBY ADVISED THAT IT IS POSSIBLE THAT ASBESTOS AND/OR OTHER HAZARDOUS MATERIALS ARE OR WERE PRESENT IN THIS BUILDING(S). ANY WORKER, OCCUPANT, VISITOR, ETC., WHO ENCOUNTERS ANY MATERIAL OF WHOSE CONTENT THEY ARE NOT CERTAIN SHALL PROMPTLY REPORT THE EXISTENCE AND LOCATION OF THAT MATERIAL TO THE OWNER. FURTHERMORE, THE CONTRACTOR SHALL INSURE THAT NO ONE COMES NEAR TO OR IN CONTACT WITH ANY SUCH MATERIAL OR FUMES THEREFROM UNTIL ITS CONTENT CAN BE ASCERTAINED TO BE NON-HAZARDOUS.
- B CMTA, INC. HAS NO EXPERTISE IN THE DETERMINATION OF THE PRESENCE OF ANY HAZARDOUS MATERIAL. THEREFORE, NO ATTEMPT HAS BEEN MADE BY CMTA TO IDENTIFY THE EXISTENCE OR LOCATION OF ANY SUCH HAZARDOUS MATERIAL. FURTHERMORE, CMTA HEREOF WILL NOT OFFER OR MAKE ANY RECOMMENDATIONS RELATIVE TO THE REMOVAL, HANDLING OR DISPOSAL OF SUCH MATERIAL.
- C IF THE WORK WHICH IS TO BE PERFORMED INTERFACES, CONNECTS OR RELATES IN ANY PHYSICAL WAY WITH OR TO EXISTING COMPONENTS WHICH CONTAIN OR BEAR ANY HAZARDOUS MATERIAL, ASBESTOS BEING ONE, THEN IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO CONTACT THE OWNER AND SO ADVISE HIM IMMEDIATELY.
- D THE CONTRACTOR BY EXECUTION OF THE CONTRACT FOR ANY WORK AND/OR BY THE ACCOMPLISHMENT OF ANY WORK THEREBY AGREES TO BRING NO CLAIM RELATIVE TO HAZARDOUS MATERIALS FOR NEGLIGENCE, BREACH OF CONTRACT, INDEMNITY OR ANY OTHER SUCH ITEM AGAINST CMTA, ITS PRINCIPALS, EMPLOYEES, AGENTS OR CONSULTANTS. ALSO, THE CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD CMTA, ITS PRINCIPALS, EMPLOYEES, AGENTS AND CONSULTANTS HARMLESS FROM ANY SUCH RELATED CLAIMS WHICH MAY BE BROUGHT BY ANY SUBCONTRACTORS, SUPPLIERS OR ANY OTHER THIRD PARTIES.
- E THE CONTRACTOR IS DIRECTED TO THE SPECIFICATIONS FOR FURTHER INFORMATION.

MECHANICAL PHASING NOTES

- A THIS PROJECT INTERFACES EXTENSIVELY WITH EXISTING BUILDING SERVICES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE AND PHASE ALL TIE-INS AND INTERRUPTIONS OF EXISTING SERVICES TO MINIMIZE OR ELIMINATE DOWNTIME. AS AN EXAMPLE, MAIN WATER SERVICE, ELECTRICAL SERVICE, HVAC SERVICES, ETC., WILL BE AFFECTED AND REPLACED OR MOVED DURING THIS PROJECT. THE CONTRACTOR SHALL INSTALL ALL NEW SERVICES AND EQUIPMENT AND HAVE THEM TESTED AND FULLY AND RELIABLY FUNCTIONAL PRIOR TO INTERRUPTING, RELOCATING OR REMOVING ANY EXISTING SERVICES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO BEAR ANY AND ALL COSTS ASSOCIATED WITH THIS PHASING, INCLUDING TEMPORARY SERVICES, TEMPORARY RELOCATION, PREMIUM TIME WORK, ETC. CONTRACTOR SHALL COORDINATE ALL SAID WORK WITH THE OWNER AND APPLICABLE UTILITIES PER THE CONTRACT DOCUMENTS.

NOTE: NOT ALL SYMBOLS AND ABBREVIATIONS MAY BE USED ON THIS PROJECT

APPLICABLE BUILDING CODES			
APPLICABLE BUILDING CODES	DOCUMENT	YEAR	
ACCESSIBLE AND USEABLE BUILDINGS AND FACILITIES	ANSI A117.1	2009	
FIRE SPRINKLER CODE	NFPA 13	2013	
INTERNATIONAL BUILDING CODE (IBC)	STATE EDITION	2018	
INTERNATIONAL ENERGY CONSERVATION CODE (IECC)	STATE EDITION	2012	
INTERNATIONAL FIRE CODE (IFC)	STATE EDITION	2015	
NATIONAL FUEL GAS CODE	STATE EDITION	2012	
INTERNATIONAL MECHANICAL CODE (IMC)	STATE EDITION	2015	
KENTUCKY PLUMBING CODE (KPC)	STATE EDITION	2020	
INTERNATIONAL EXISTING BUILDING CODE (IEBC)	STATE EDITION	2015	
NATIONAL ELECTRIC CODE (NEC)	NFPA 70	2017	
NATIONAL FIRE ALARM & SIGNALING CODE	NFPA 72	2013	

M.E.&P. Engineer:
CMTA, Inc.
220 Lex. Green Circle, Ste. 600
Lexington, KY 40503
p.859.253.0892

BG# 23-289

Project No.: 2282
Drawn By: ADS
Rev'd By: ADS

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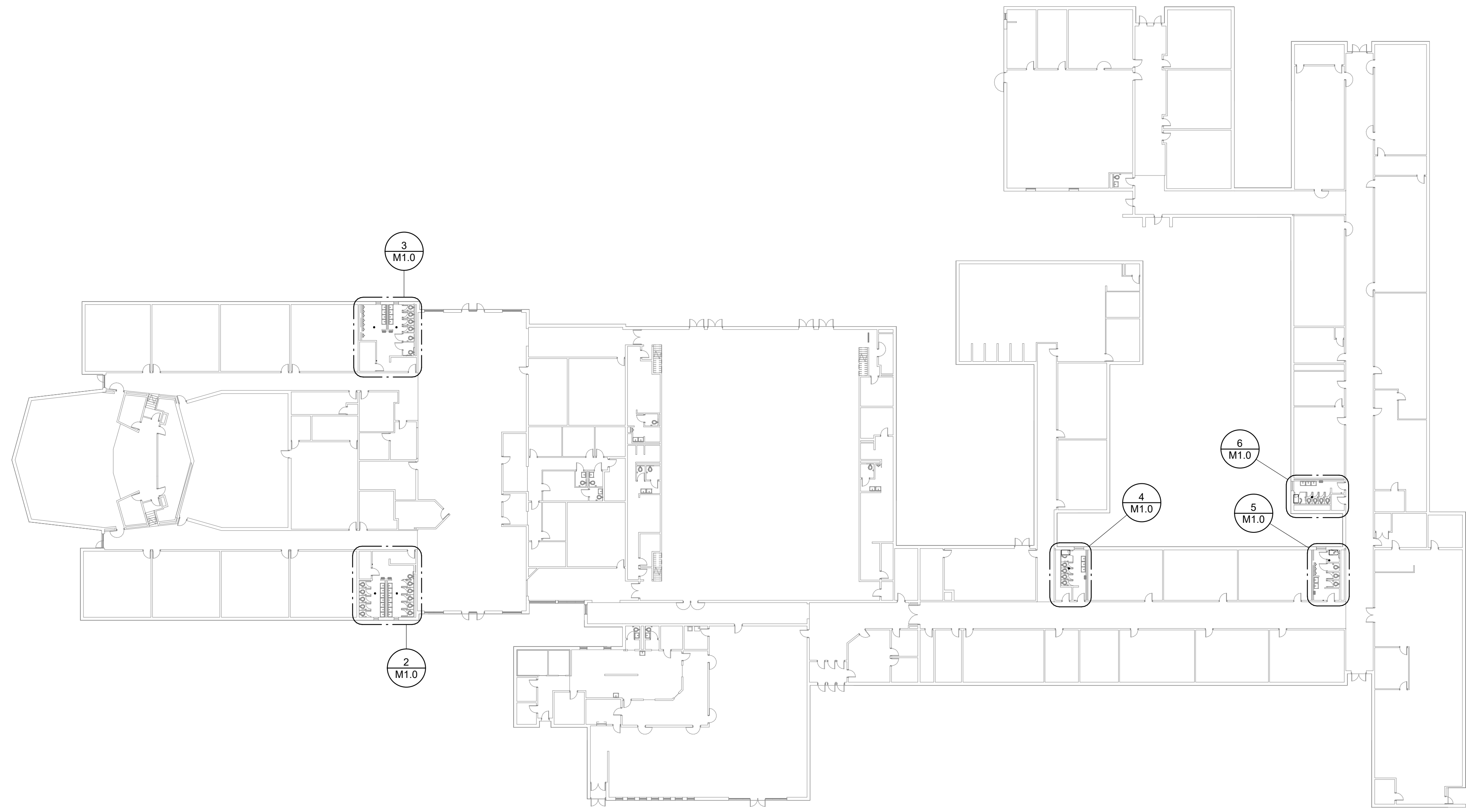
MECHANICAL LEGEND

DATE ISSUED:
Issue Date

MECHANICAL LEGEND
FOR:
KING MIDDLE SCHOOL RESTROOM RENOVATIONS
MERCER COUNTY BOARD OF EDUCATION
HARRODSBURG, KENTUCKY

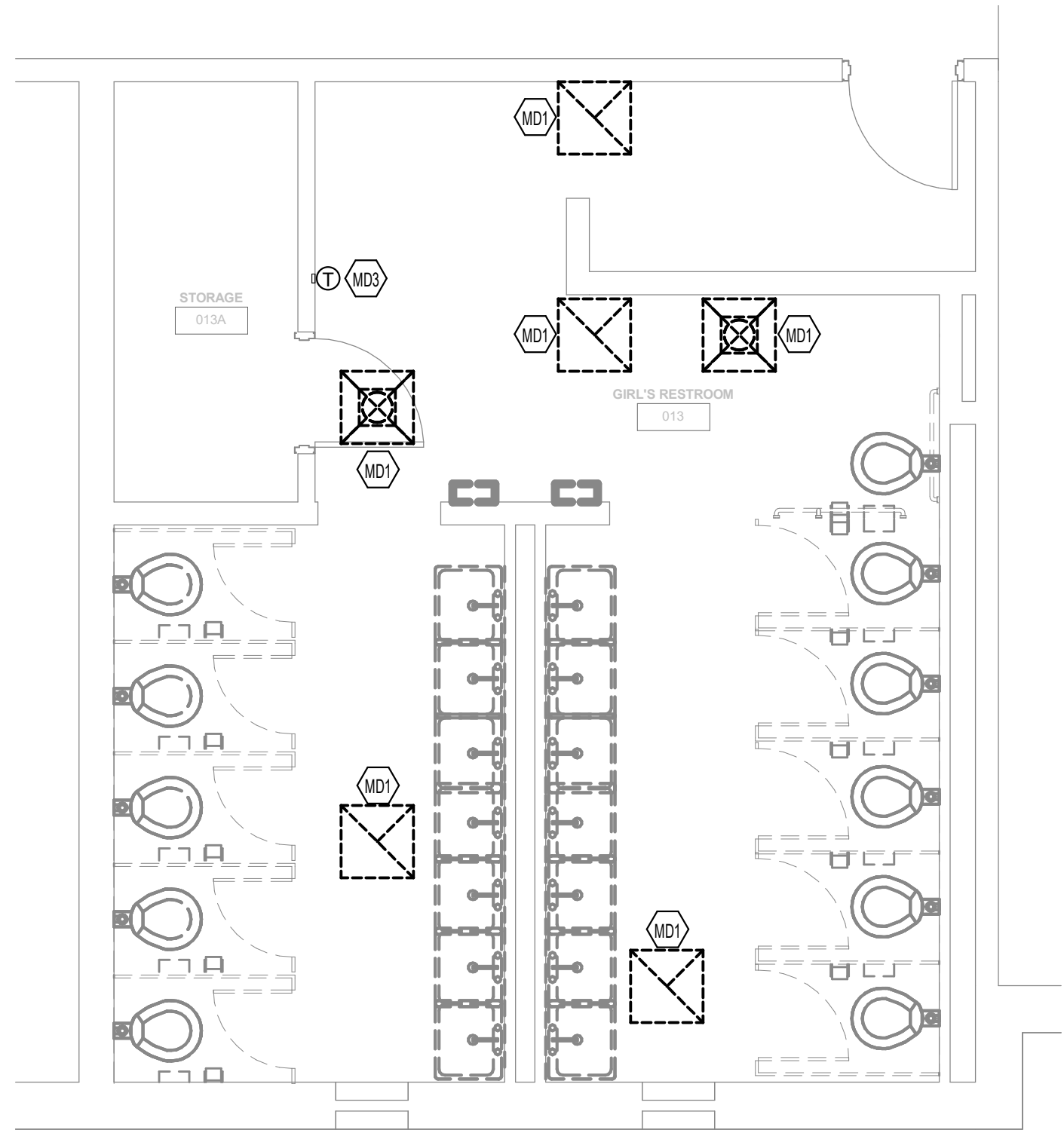


rostant architect
101 Old Lafayette Avenue Lexington, Kentucky 40502 p.859.254.018



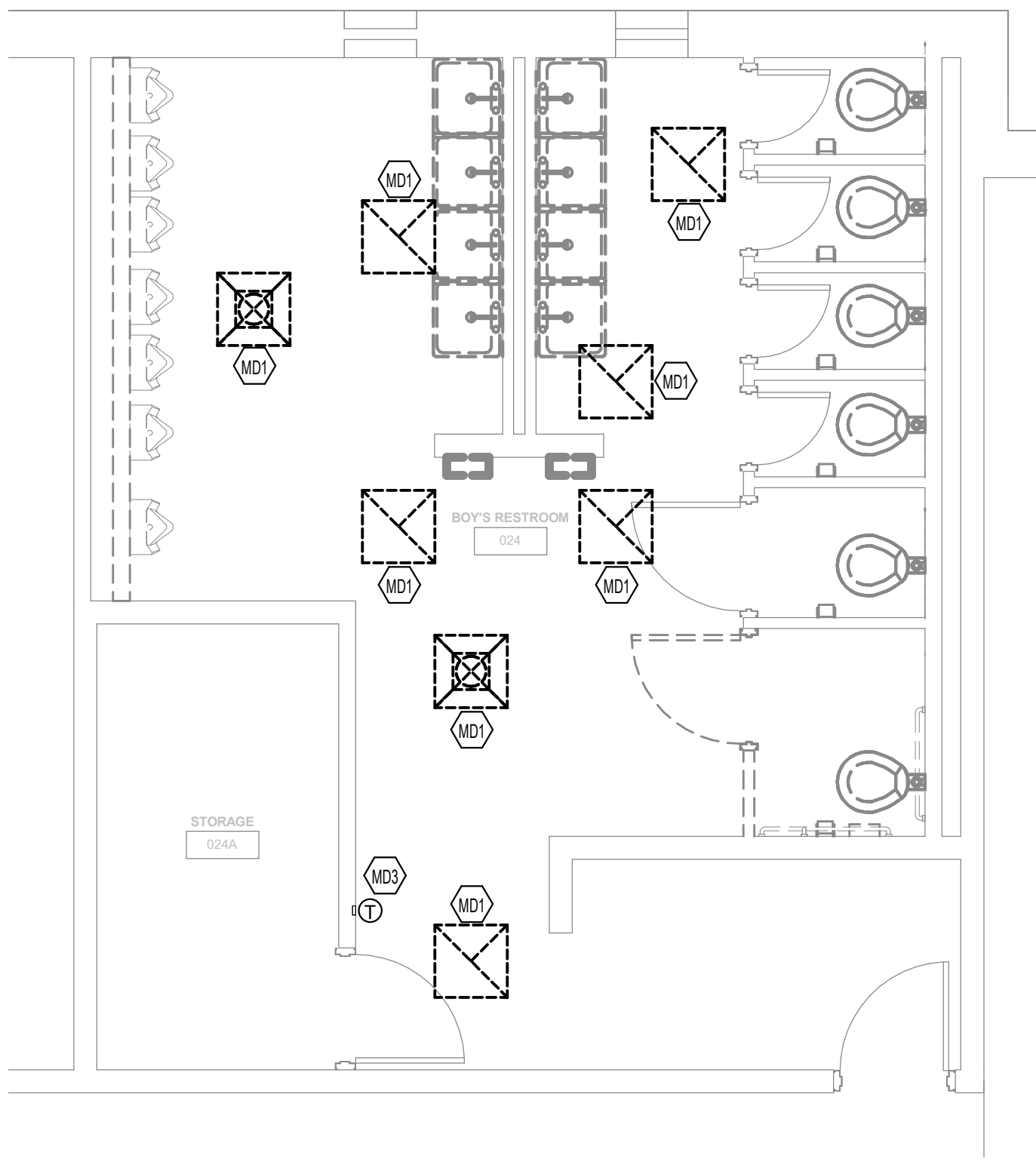
1 MECHANICAL DEMOLITION KEY PLAN

SCALE: 1/32" = 1'-0"



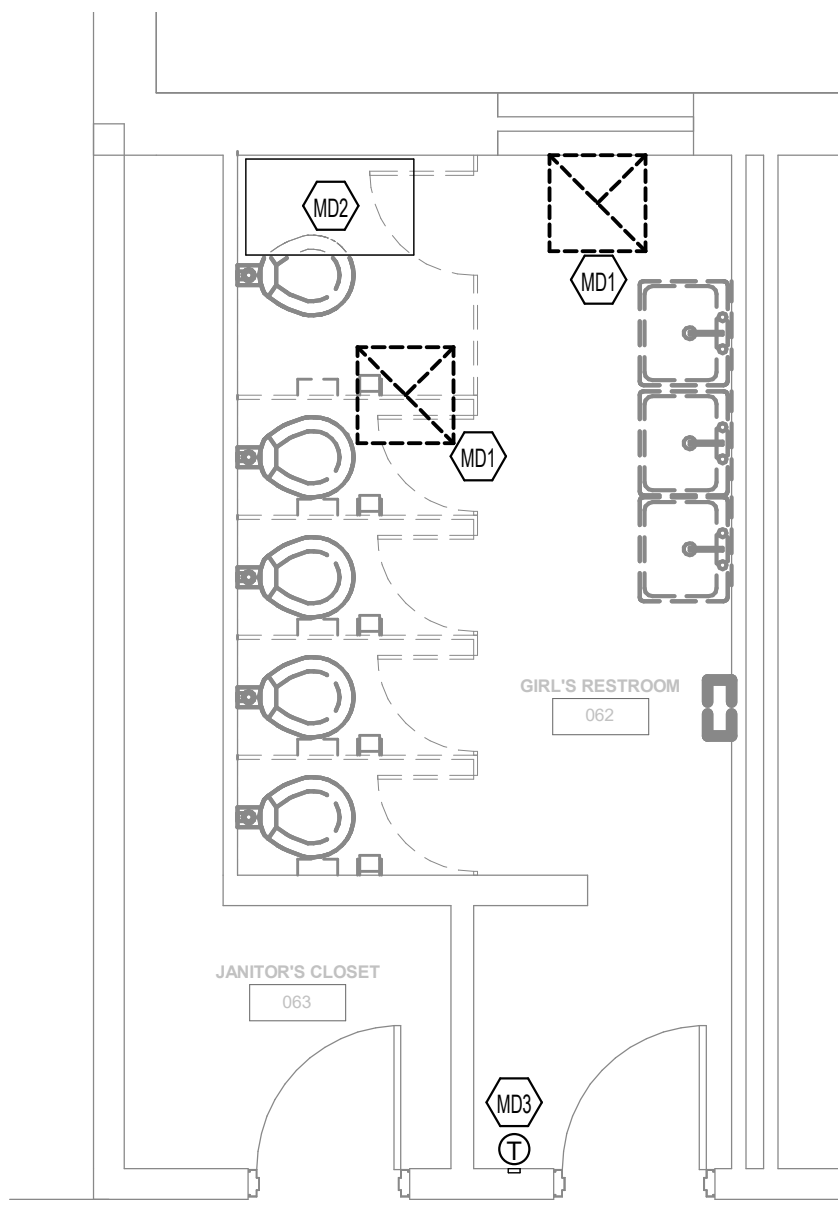
2 GIRL'S RR 1 - MECHANICAL DEMO

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



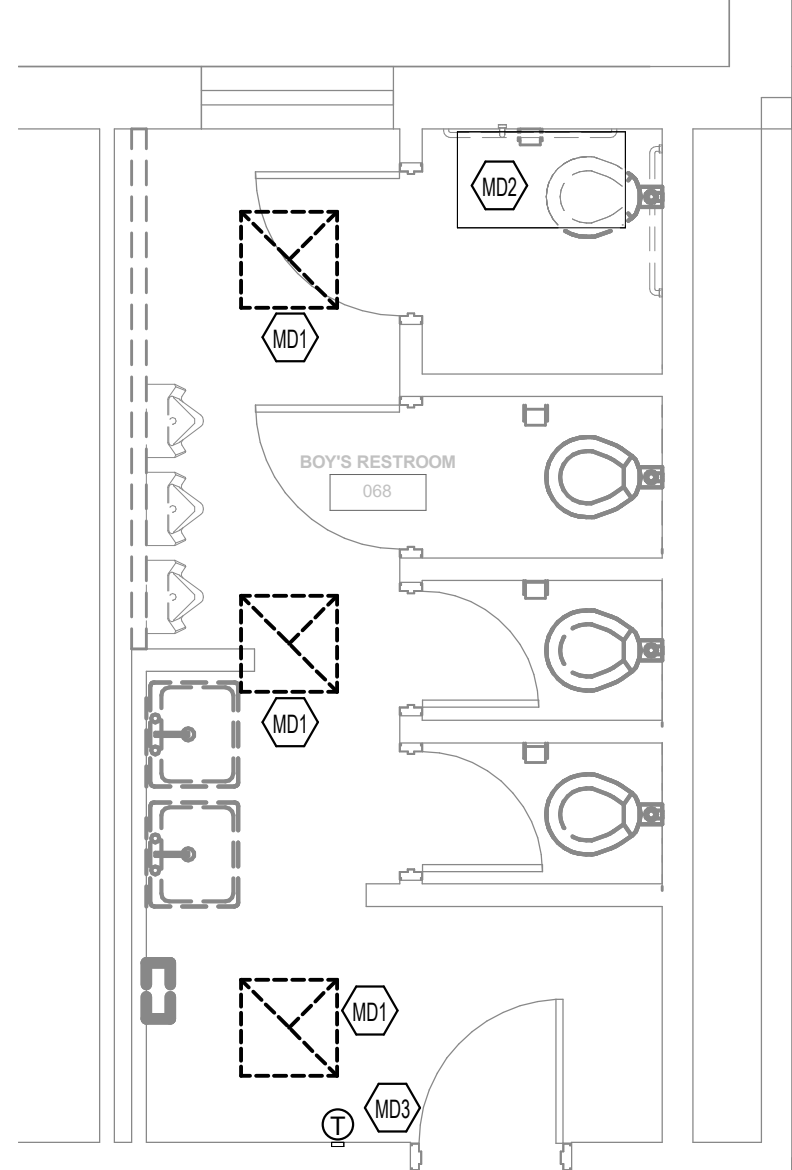
3 BOY'S RR 1 - MECHANICAL DEMO

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



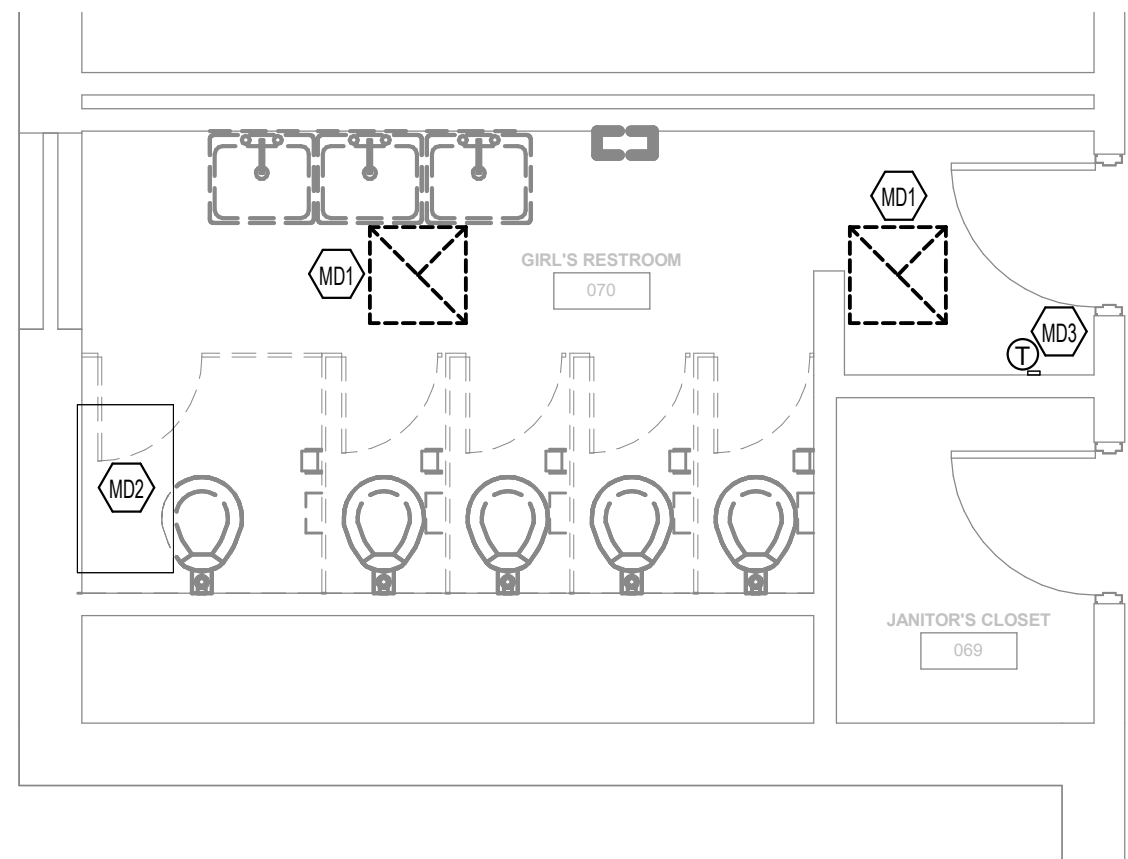
4 GIRL'S RR 2 - MECHANICAL DEMO

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



5 BOY'S RR 2 - MECHANICAL DEMO

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



6 GIRL'S RR 3 - MECHANICAL DEMO

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

MECHANICAL DEMOLITION NOTES

- THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR AREAS IN WHICH THE CEILING IS REMAINING. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING THE EXISTING CEILING AS REQUIRED AND REINSTALLATION. TEMPORARILY SUPPORT LIGHTS, DIFFUSERS, CEILING ETC. REPLACE BROKEN CEILING TILES WITH NEW AT NO ADDITIONAL COST TO OWNER. FIELD VERIFY EXACT REQUIREMENTS.
- DURING SPRINKLER SYSTEM OUTAGES THE CONTRACTORS SHALL PROVIDE FIRE WATCH OF AREAS WITH OUTAGES.
- ALL WALLS AND FLOOR SLABS SHALL BE REPAIRED TO MATCH EXISTING AND TO A LIKE NEW CONDITION. ALL RATED WALLS AND FLOOR SLABS SHALL BE PATCHED AND REPAIRED TO MAINTAIN RATING.
- ALL EXISTING BUILDING FINISHES SHALL BE PROTECTED DURING THE DEMOLITION PHASE.
- HEAVY DASHED LINES INDICATE ITEMS FOR REMOVAL (UON) AND LIGHT SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.
- COORDINATE DISPOSAL OF ALL FIXTURES, DEVICES, ETC. (INDICATED FOR DEMOLITION) WITH THE OWNER.
- ALL OUTAGES SHALL BE SCHEDULED THROUGH THE PROJECT REPRESENTATIVE FOR PROPER COORDINATION. A REQUEST FOR AN OUTAGE SHALL BE SUBMITTED IN WRITING A MINIMUM OF TWO WEEKS IN ADVANCE.
- ALL DUCTWORK, PIPING, CONDUIT, ETC. SHALL BE INSTALLED A MINIMUM OF 4" ABOVE THE TOP OF THE CEILING GRID.

TAGGED NOTES

- MD1 RELOCATE EXISTING DIFFUSER TO NEW CEILING. REFER TO NEW WORK FLOOR PLAN FOR NEW LOCATION.
- MD2 EXISTING HYDRONIC HEATER BELOW CEILING TO REMAIN.
- MD3 EXISTING THERMOSTAT TO REMAIN.

#

MECHANICAL PLANS - DEMOLITION
KING MIDDLE SCHOOL RESTROOM RENOVATIONS
FOR:
MERCER COUNTY BOARD OF EDUCATION
HARRODSBURG, KENTUCKY

M.E.&P. Engineer:
CMTA, Inc.
220 Lex. Green Circle, Ste. 600
Lexington, KY 40503
p. 859.253.0892

BG# 23-289

Project No: 2282
Drawn By: ADS
Rev'd By: ADS

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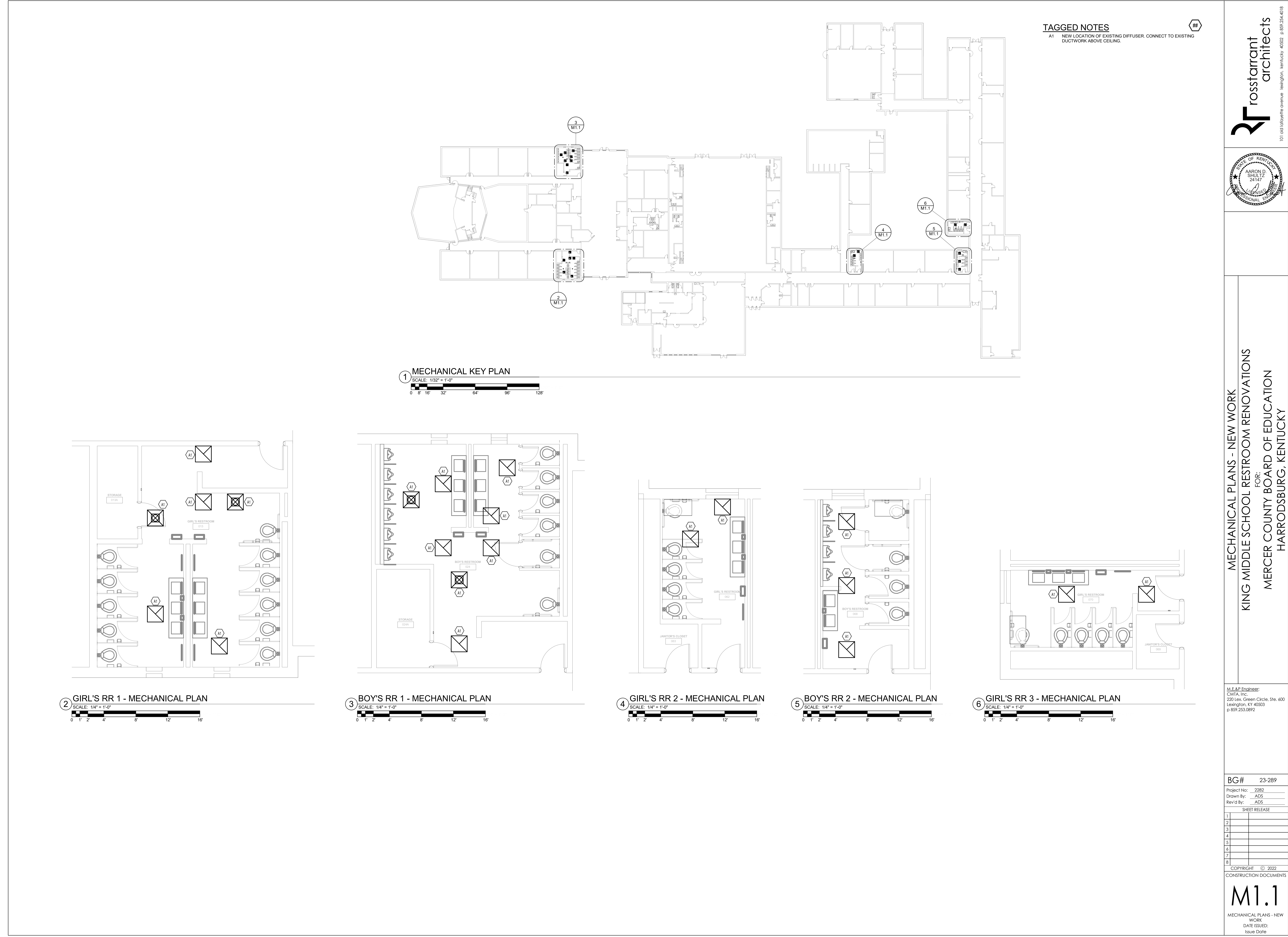
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MECHANICAL PLANS -
DEMOLITION
DATE ISSUED:
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rostantant
architects
101 old ladyette avenue lexington, kentucky 40502 p. 859.254.4018



TAGGED NOTES
A1 NEW LOCATION OF EXISTING DIFFUSER. CONNECT TO EXISTING DUCTWORK ABOVE CEILING.

MECHANICAL PLANS - NEW WORK
KING MIDDLE SCHOOL RESTROOM RENOVATIONS
FOR:
MERCER COUNTY BOARD OF EDUCATION
HARRODSBURG, KENTUCKY

M.E.&P. Engineer:
CMTA, Inc.
220 Lex. Green Circle, Ste. 600
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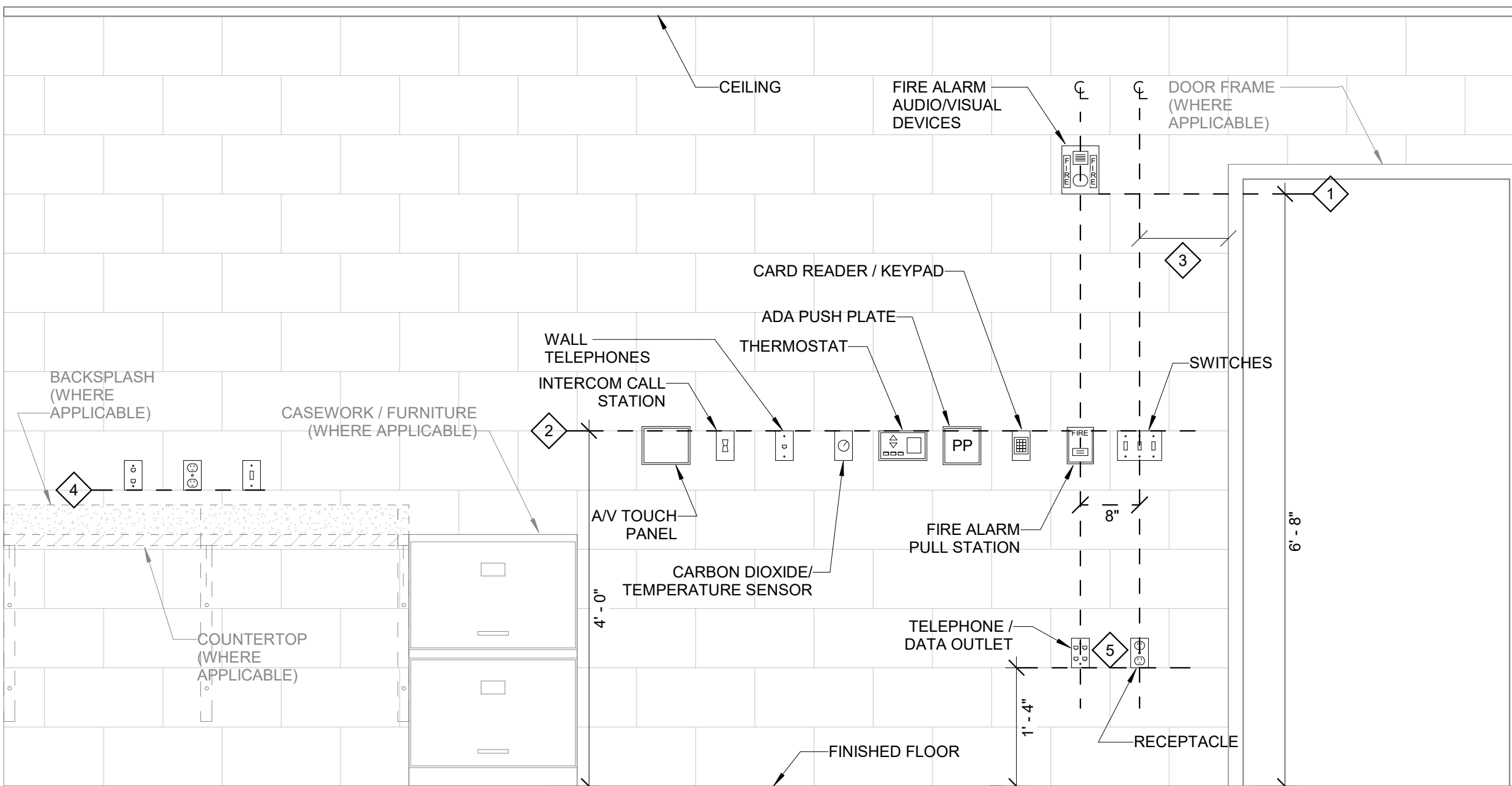
MECHANICAL PLANS - NEW WORK
DATE ISSUED:
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DESCRIPTION	MOUNTING HEIGHT	SYMBOL
LIGHTING CONTROLS		
LIGHT SWITCH-LOW VOLTAGE (WHEN PRESENT, # INDICATES QUANTITY OF CHANNELS)	48"	\$ 4
EXAM LIGHT SWITCH	48"	\$ 4
NIGHT LIGHT SWITCH WITH CONSTANTLY ILLUMINATED HANDLE	48"	\$ 4
SURGICAL LIGHT INTENSITY CONTROL	48"	\$ SL
LOW VOLTAGE DIMMER SWITCH (WHEN PRESENT, # INDICATES QUANTITY OF CHANNELS)	48"	\$ D
GRAPHIC TOUCHSCREEN CONTROL STATION	48"	\$ G
LINE VOLTAGE SWITCH	48"	\$ LV
LINE VOLTAGE THREE-WAY, FOUR-WAY SWITCH	48"	\$ LV3, LV4
LINE VOLTAGE THREE-WAY, FOUR-WAY DIMMER SWITCH	48"	\$ LV3D, LV4D
KEYED SWITCH	48"	\$ K
OCCUPANCY OR VACANCY SENSOR SWITCH	48"	\$ VS
OCCUPANCY OR VACANCY SENSOR SWITCH WITH DIMMING	48"	\$ DOS
LIGHT SWITCH FOR UNDER-CABINET LIGHTS	48"	\$ U
ILLUMINATED HANDLE LIGHT SWITCH (ILLUMINATED WHEN LOAD IS OFF)	48"	\$ FL
PILOT LIGHT SWITCH (ILLUMINATED WHEN LOAD IS ON)	48"	\$ PL
TIMER SWITCH	48"	\$ T
OCCUPANCY OR VACANCY SENSOR, CEILING MOUNT	CLG	\$ C
OCCUPANCY SENSOR, CORNER MOUNT	CLG	\$ C
DAYLIGHT SENSOR	AS NOTED	\$ DS
PHOTOCELL	AS NOTED	\$ DS
LIGHTING RELAY	AS NOTED	\$ LR
EMERGENCY AUTOMATIC TRANSFER SWITCH FOR LIGHTING CONTROLS (REFER TO DETAIL)	CLG	\$ E
POWER OUTLETS		
SIMPLEX RECEPTACLE (TEXT INDICATES NEMA TYPE)	1'-6"	\$ 0
DUPLEX RECEPTACLE	1'-6"	\$ 0
SLASH THROUGH ANY DEVICE INDICATES MOUNTING ABOVE COUNTERTOP 4" ABOVE BACKSPASH		\$ 0
'G' INDICATES INTEGRAL GROUND FAULT PROTECTION (GFCI)	1'-6"	\$ G
DEAD FRONT GFCI DEVICE, LABEL AND INSTALL IN READILY ACCESSIBLE LOCATION		\$ G
DUPLEX RECEPTACLE WITH TWO INTEGRAL USB CHARGING PORTS	1'-6"	\$ 0
USB CHARGING OUTLET WITH FOUR INTEGRAL USB PORTS	1'-6"	\$ 0
GANG RECEPTACLE IN COMBINATION WITH SWITCH (PROVIDE DIVIDER IF LIGHTING CIRCUIT IS 277V)	48"	\$ GS
DUPLEX RECEPTACLE, CEILING MOUNTED	CLG	\$ 0
QUADRUPLX RECEPTACLE	1'-6"	\$ 0
JUNCTION BOX, CEILING OR WALL		\$ 0
VOLTA2E2 POLE RECEPTACLE, TEXT INDICATES NEMA TYPE	1'-6"	\$ 0
VOLTA2E3 POLE RECEPTACLE, TEXT INDICATES NEMA TYPE	1'-6"	\$ 0
'T' INDICATES SAFETY TYPE, TAMPER RESISTANT OUTLET(S)		\$ 0
SS INDICATES SURGE SUPPRESSION TYPE OUTLET(S)		\$ SS
GROUND FAULT PROTECTED DUPLEX WITH WEATHER-PROOF "W" IN USE TYPE (SEE DETAIL, COORDINATE WITH LOCKABLE ENCLOSURE AT OUTLET - SEE SPECIFICATIONS)	7'-2"	\$ WP
DUPLEX FOR ELECTRIC WATER COOLER, COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR TO CONCEAL OUTLET BEHIND COOLER, PROVIDE READILY ACCESSIBLE GROUND FAULT AT 18" ADJACENT TO WATER COOLER		\$ EWC
BOX ON ANY DEVICE INDICATES SURFACE MOUNTED BACKBOX(W/REMOULD)		\$ 0
CIRCLE ON ANY DEVICE INDICATES DEVICE FED FROM STUB UP CONDUIT		\$ 0
FIRE ALARM		
MAIN CONTROL PANEL, CENTRAL PROCESSING UNIT (CPU)	6'-6" TO TOP	\$ F2P
REMOTE L.C.D. FIRE ALARM ANNUNCIATOR	54"	\$ FA
REMOTE FIRE ALARM ANNUNCIATOR W/ MICROPHONE	54"	\$ FA
LOCAL OPERATOR CONSOLE	54"	\$ F2M
SMOKE EVACUATION CONTROL PANEL	54"	\$ E2P
POWER SUPPLY CONTROL, FOR AUDIOVISUAL DEVICES	48"	\$ F2M
TRANSPONDER CABINET	48"	\$ F2M
GRAPHICS DISPLAY TERMINAL		\$ F2M
FIRE ALARM CONTROL EXTENDER		\$ F2M
POST INDICATOR VALVE		\$ F2M
PULL STATION: DOUBLE ACTION	48" TO LEVER	\$ F2M
KEYED, LOCKED PULL STATION: DOUBLE ACTION; STATION SHALL ONLY BE OPERABLE w/ KEY IN POSSESSION OF STAFF.	48" TO LEVER	\$ F2M
AUDIOVISUAL NOTIFICATION APPLIANCE	WALL, CLG	\$ F2M
AUDIO-ONLY NOTIFICATION APPLIANCE	WALL, CLG	\$ F2M
VISUAL-ONLY NOTIFICATION APPLIANCE	WALL, CLG	\$ F2M
BELL / LIGHT	80"	\$ F2M
BELL ONLY	80"	\$ F2M
PHOTO-ELECTRIC SMOKE DETECTOR	CLG	\$ F2M
PHOTO-ELECTRIC SMOKE DETECTOR FOR PATIENT ROOM MONITORING (SEE RISER)	CLG	\$ F2M
PROJECTED BEAM SMOKE DETECTOR, EMITTER (BE) AND RECEIVER (BR)	CLG	\$ F2M
HEAT DETECTOR	CLG	\$ F2M
CARBON MONOXIDE DUCT DETECTOR	ABOVE CEILING	\$ F2M
CARBON MONOXIDE ALARM, SINGLE STATION WISOUNDER BASE	CLG	\$ F2M
CARBON MONOXIDE AUDIOVISUAL NOTIFICATION APPLIANCE	WALL	\$ F2M
DOOR HOLDER - WALL TYPE	WALL	\$ F2M
DOOR HOLDER - CLOSURE TYPE	ABV DOOR	\$ F2M
DUCT SMOKE DETECTOR	ABV CLG	\$ F2M
CONNECTION TO SPRINKLER FLOW SWITCH WITH ADDRESSABLE MODULE		\$ F2M
CONNECTION TO SPRINKLER TAMPER SWITCH WITH ADDRESSABLE MODULE		\$ F2M
PRESSURE SWITCH		\$ F2M
ISOLATION MODULE	WALL	\$ F2M
ZONE ADDRESSABLE MODULE		\$ F2M
H.V.A.C. SMOKE DAMPER CONNECTION		\$ F2M
FLUSH MOUNTED REMOTE ALARM INDICATING STATION/TEST SWITCH	7'-6"	\$ F2M
FIREMANS PHONE JACK	4'-6"	\$ F2M
FIREMANS INBOX CONNECTION		\$ F2M
ADDRESSABLE RELAY MODULE		\$ F2M
INDICATES VANDAL-PROOF POLYCARBONATE COVER, VANDAL PROOF COVERS SHALL BE UL LISTED FOR USE WITH THE SPECIFIC DEVICE THEY ARE PROTECTING		\$ F2M
INDICATES CHIME AUDIBLE NOTIFICATION		\$ F2M
DEVICE USED FOR ELEVATOR CONTROL		\$ F2M

DESCRIPTION	MOUNTING HEIGHT	SYMBOL
LIGHTING FIXTURES AND EQUIPMENT		
REFER TO LUMINAIRE SCHEDULE FOR EXACT FIXTURE SPECIFICATIONS, MOUNTING HEIGHTS, ETC.		
SURFACE OR SUSPENDED CEILING FIXTURE		
RECESSED CEILING FIXTURE		
POLE MOUNTED AREA LIGHT WITH CONCRETE BASE		
LIGHTED BOLLARD WITH CONCRETE BASE		
EMERGENCY BATTERY WALL-PACK		
WALL MOUNT FIXTURE		
TRACK COMPLETE WITH POWER SUPPLIES AND FIXTURE HEADS		
FLOODLIGHT		
EXIT LIGHT (CEILING, END, WALL MOUNT) WITH OR WITHOUT DIRECTIONAL ARROWS, WITH OR WITHOUT EGRESS HEADS		
CROSS-HATCHING INDICATES LIGHT IS POWERED FROM THE EMERGENCY-CRITICAL BRANCH		
PARALLEL-HATCHING INDICATES LIGHT IS POWERED FROM THE EMERGENCY-LIFE SAFETY BRANCH		
REMOTE LIGHT FIXTURE DRIVER	AS NOTED	
REMOTE BATTERY BACKUP	AS NOTED	
CENTRAL BATTERY INVERTER	AS NOTED	
MISCELLANEOUS		
CONDUIT CONCEALED IN WALLS OR IN CEILING SPACE: ARROWS INDICATES HOME RUN & # OF CIRCUITS; HASHMARKS INDICATE # OF CONDUCTORS		
NON-REVERSING MOTOR STARTER SNAP SWITCH	AS NOTED	\$ M
MOMENTARY CONTACT SWITCH	48"	\$ M
HAND-OFF-AUTO 3-POSITION SWITCH	48"	\$ HOA
DISCONNECT SWITCH	5'-0"	\$ D
MAGNETIC STARTER	5'-0"	\$ D
MAGNETIC COMBINATION STARTER	5'-0"	\$ D
VARIABLE FREQUENCY DRIVE	5'-0"	\$ D
ENCLOSED FLUSH MTD. CIRCUIT BREAKER	5'-0"	\$ D
MUSHROOM SWITCH	48"	\$ M
PUSHBUTTON STATION WITH 1, 2, OR 3 BUTTONS	48"	\$ M
PANELBOARD, SURFACE OR FLUSH MOUNTED, HATCHING INDICATES EMERGENCY	6'-6" TO TOP	\$ T
TRANSFORMER	AS NOTED	\$ T
EQUIPMENT HARDWARE CONNECTION (SEE DETAIL)		
KITCHEN EQUIPMENT OUTLET COUPLING CONNECTION (SEE DETAIL)		
MOTOR CONNECTION, REFER TO EQUIPMENT CONNECTION SCHEDULE		
PLUMBING FIXTURE SOLENOID VALVE/ELECTRIC EYE SENSOR CONNECTION, COORDINATE EXACT CONNECTION REQUIREMENTS WITH MANUFACTURER		
PLUMBING FIXTURE ELECTRIC EYE TRANSFORMER CONNECTION, TRANSFORMER SHALL BE 120V-240V MOUNT ABOVE SUSPENDED ACCESSIBLE CEILING IN JBOX, PROVIDE ADDITIONAL TRANSFORMERS OF SAME TYPE AS IF NEEDED		
PROVIDE CONNECTION TO HAND DRYER (SEE ARCHITECTURAL SPECIFICATIONS)	VERIFY WITH ARCHITECT	
SURGE PROTECTION DEVICE (SURFACE OR FLUSH MOUNTED)		\$ SPD
GENERATOR ANNUNCIATOR PANEL (SURFACE OR FLUSH MOUNTED) - SEE SPECIFICATIONS	48"	\$ GENA
CONDUIT UP		\$ 0
CONDUIT DOWN		\$ 0
FLEXIBLE CONDUIT		\$ 0
GROUND BUS BAR ON INSULATED STANDOFFS	2'-0"	\$ 0
RUS DUCT, AMPERAGES AS NOTED	AS SHOWN	\$ 0
WIREWAY WITH REMOVABLE COVER (SIZE AS NOTED)	AS SHOWN	\$ 0
TRENCH DUCT (SIZE AS NOTED)	AS SHOWN	\$ 0
WIRE BASKET CABLE TRAY, SIZE AS NOTED	AS SHOWN	\$ 0
LADDER CABLE TRAY, SIZE AS NOTED	AS SHOWN	\$ 0
SOLID BOTTOM CABLE TRAY, SIZE AS NOTED	AS SHOWN	\$ 0
J-HOOK PATHWAY		\$ 0
EQUIPMENT TAG, REFER TO EQUIPMENT SCHEDULE		\$ 0
MECHANICAL EQUIPMENT DESIGNATOR (SEE MECH. SCHEDULES)		\$ 0
TAGGED NOTE		\$ 0
REVISION TAG		\$ 0
PANEL FURNITURE		
PANEL FURNITURE DUPLEX RECEPTACLE, PROVIDE ALL WIRING AS REQUIRED, COORDINATE EXACT INSTALLATION REQUIREMENTS AND LOCATIONS WITH OWNERS PANEL FURNITURE VENDOR		
PANEL FURNITURE QUADRUPLX RECEPTACLE, PROVIDE ALL WIRING AS REQUIRED, COORDINATE EXACT INSTALLATION REQUIREMENTS AND LOCATIONS WITH OWNERS PANEL FURNITURE VENDOR		
PANEL FURNITURE DATA/VOICE OUTLET, PROVIDE ALL WIRING AS REQUIRED, COORDINATE EXACT INSTALLATION REQUIREMENTS AND LOCATIONS WITH OWNERS PANEL FURNITURE VENDOR		
POWER CONNECTION TO PANEL FURNITURE, PROVIDE SEAL-TIGHT CONDUIT CONNECTION FROM RECESSED WALL BOX TO PANEL FURNITURE, PROVIDE FINAL CONNECTIONS TO PANEL FURNITURE AS REQUIRED BY PANEL FURNITURE VENDOR	1'-6"	
COMBINATION POWER AND LOW VOLTAGE CONNECTION TO PANEL FURNITURE, PROVIDE SEAL-TIGHT CONDUIT CONNECTION FROM RECESSED WALL BOX TO PANEL FURNITURE, PROVIDE FINAL CONNECTIONS TO PANEL FURNITURE AS REQUIRED BY PANEL FURNITURE VENDOR	1'-6"	
ABBREVIATIONS		
UNLESS OTHERWISE NOTED		
OWNER FURNISHED CONTRACTOR INSTALLED		
OWNER FURNISHED - OWNER INSTALLED		
CONTRACTOR FURNISHED CONTRACTOR INSTALLED		
CONTRACTOR FURNISHED OWNER INSTALLED		
INDICATES EMERGENCY POWER		
WIREGUARD - PROVIDE MANUFACTURER'S SPECIFIC GUARD FOR DEVICE NOTED		
WEATHER-PROOF - NEMA-3R, WET LOCATION LISTED, PROVIDE COVERS, RATINGS, ETC. AS SUITABLE FOR OUTDOORS		
EXPLOSION PROOF - PROVIDE WIRING METHODS, ENCLOSURES, RATINGS, ETC. AS SUITABLE FOR HAZARDOUS LOCATION		

DESCRIPTION	MOUNTING HEIGHT	SYMBOL
SPECIAL OUTLETS		
FLOORBOX, AS SCHEDULED	FLOOR	\$ FB
POKE-THRU, AS SCHEDULED	FLOOR	\$ PT
WALLBOX, AS SCHEDULED	WALL	\$ WB
AUDIOVISUAL SYSTEM OUTLET WITH DUPLEX RECEPTACLE, REFER TO ASSOCIATED DETAIL FOR ADDITIONAL INFORMATION	1'-6"	\$ AV
COMBINATION POWER AND DATA OUTLET LOCATION, REFER TO ASSOCIATED DETAIL FOR ADDITIONAL INFORMATION	1'-6"	\$ 0
COMBINATION POWER AND DATA OUTLET LOCATION, GFCI DUPLEX RECEPTACLE, REFER TO ASSOCIATED DETAIL FOR ADDITIONAL INFORMATION	1'-6"	\$ 0
OVERHEAD PROJECTOR, PROVIDE DUPLEX RECEPTACLE, ONE DATA, HDMI, 3.5mm AUDIO, AND VGA OUTLET ON (3) PLATES	CLG	\$ O
SPECIAL VIDEO SYSTEM SIGNAL INPUT		\$ -VA
SURFACE PUG-MOLD		\$ PM
SURFACE WIRE-MOLD		\$ WM
POWER POLE AS NOTED		\$ PP
TELEVISION		
TELEVISION HEADEND (SPLITTERS/AMPLIFIERS/DISTRIBUTION)	48"	\$ TV
TELEVISION SYSTEM OUTLET WITH DUPLEX RECEPTACLE, COORDINATE LOCATION WITH WALL BRACKET WHERE APPLICABLE	7'-0"	\$ T
OVERHEAD PAGING		
PAGING SPEAKER: CEILING	CLG	\$ P
PAGING SPEAKER W/ VOLUME CONTROL	CLG	\$ P
PAGING SPEAKER: WALL	8'-0"	\$ P
RECESSED WALL MOUNTED PAGING SPEAKER DUKANE SA606 SPEAKER, ATLAS 417-8WD	8'-0"	\$ P
VANDAL PROOF / WEATHERPROOF WALL MOUNTED PAGING SPEAKER, QUAM VP#1	SEE FLOOR PLANS	\$ P
EXTERIOR VANDAL PROOF / WEATHERPROOF WALL MOUNTED PAGING SPEAKER, SHALL BE PAINTED COLOR SELECTED BY ARCHITECT/OWNER, QUAM VP#	SEE FLOOR PLANS	\$ P
WALL MOUNTED PAGING HORN	9'-0"	\$ P
CALL INITIATION STATION	48"	\$ P
WALL VOLUME CONTROL	48"	\$ P
PAGING MICROPHONE	1'-6"	\$ P
PANIC BUTTON (MOUNTING PER DRAWINGS)	48" UNDER DESK	\$ P
NOTIFICATION LIGHT (MOUNTING PER DRAWINGS)	7'-6" CLG	\$ P
LCD WALL DISPLAY		\$ PD
PAGING SYSTEM HEADEND	48"	\$ PD
CLOCKS		
TYPICAL CLOCK MOUNTING HEIGHTS: FOR CEILING HEIGHTS < 9'-6": MOUNT CENTER OF BACKBOX AT 9" BELOW CEILING. FOR CEILING HEIGHTS > 9'-6": MOUNT CENTER OF BACKBOX AT 9'-0" AFF.		
ANALOG CLOCK: SINGLE FACE	SEE ABOVE	\$ C
ANALOG CLOCK: DUAL FACE	SEE ABOVE	\$ C
DIGITAL CLOCK: SINGLE FACE	SEE ABOVE	\$ C
DIGITAL CLOCK: DUAL FACE	SEE ABOVE	\$ C
CLOCK SYSTEM HEAD END	8'-6"	\$ C
AV SYSTEMS		
PROJECTOR WITH MOUNT (CEILING OR WALL AS INDICATED)	REFER TO DRAWINGS	
LOCAL SOUND SPEAKER: CEILING	CLG	\$ S
WIRELESS MICROPHONE ANTENNA	CLG	\$ S
LOCAL SOUND SPEAKER: WALL	REFER TO SPECS.	\$ S
MICROPHONE INPUT: # INDICATES NUMBER OF INPUTS	1'-6"	\$ S
WIRELESS MICROPHONE ANTENNA, WALL MOUNT	REFER TO SPECS.	\$ S
AV INPUT (OR OUTPUT) WALL PLATE, REFER TO DRAWINGS AND SPECIFICATIONS FOR TYPE AND QUANTITY OF CONNECTIONS	1'-6"	\$ S
BLUETOOTH INPUT MODULE	1'-6"	\$ S
AV TOUCHSCREEN CONTROL STATION	48"	\$ S
LOCAL SOUND SYSTEM HEADEND	REFER TO SPECS.	\$ S
LINE/TYPE LEGEND		
---	EXISTING	
---	DEMOLISHED	
---	NEW	

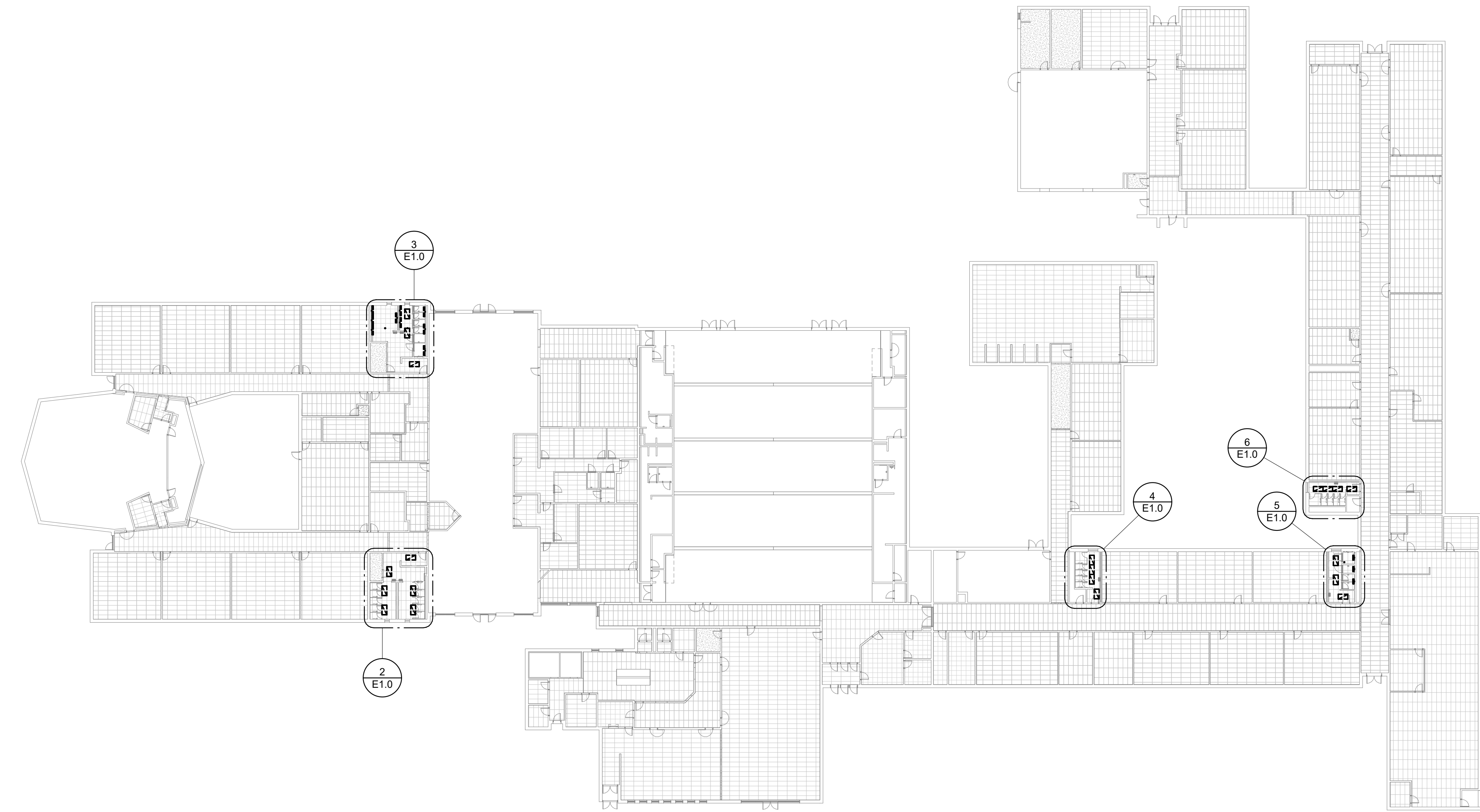
DESCRIPTION	MOUNTING HEIGHT	SYMBOL
SECURITY PANIC ALARM		
PANIC ALARM BUTTON	SEE DRAWINGS	\$ PA
PANIC ALARM ANNUNCIATOR	48"	\$ PA
PANIC ALARM STROBE - REFER TO SPECIFICATIONS FOR LENS AND HOUSING COLOR	SAME AS FIRE ALARM	\$ PA
PANIC ALARM POWER SUPPLY CABINET	5'-0"	\$ E2P
SECURITY INTERCOM		
AUDIO/VIDEO INTERCOM STATION: MASTER WITH SELECTIVE DOOR CONTROLS, POWER SUPPLIES & DOOR RELAY CONTACTS AS REQUIRED FOR OPERATION OF ANY DOOR IN THE SYSTEM AND VIEWING OF ANY AUDIO/VIDEO INTERCOM REMOTE ON THE SYSTEM, APPROXIMATELY 18" WIDE X 8" HIGH X 4" DEEP - COLOR BY ARCHITECT.	DESK MOUNT	\$ DI
AUDIO/VIDEO INTERCOM STATION: REMOTE WITH FLUSH MTD S.S. ENCLOSURE, APPROX. 8" X 4"	48"	\$ DI
SECURITY ACCESS CONTROL		
DOOR ALARM	DOOR FRAME	\$ DA
DOOR POSITION SWITCH	DOOR FRAME	\$ DA
MAGNETIC LOCK(S)	ABV DOOR	\$ ML
ELECTRIC LOCKSET	AT LATCH	\$ EL
DOOR DELAYED EGRESS/ELECTRIFIED PANIC MECHANISM	ABV DOOR	\$ DP
ELECTRIC STRIKE	AT LATCH	\$ ES
AUTOMATIC DOOR CONNECTION (MAY ALSO HAVE ELECTRIC STRIKE/MAG-LOCK/ELECTRIFIED PANIC CONNECTION - SEE ARCHITECTURAL/HARDWARE SPECIFICATIONS)	CLG	\$ AD
DOOR RELEASE PUSH-PLATE / INFRARED OPERATOR STATION, PROVIDE ANY ADDITIONAL ROUGH-IN FOR "EMERGENCY RELEASE" OPERATOR STATIONS AS REQUIRED	48"	\$ DR
DOOR RELEASE KEYPAD STATION	6'-0"	\$ DR
DOOR RELEASE PROXIMITY READER STATION, PROVIDE ANY ADDITIONAL ROUGH-IN FOR "EMERGENCY RELEASE" OPERATOR STATIONS AS REQUIRED	48"	\$ DR
SAME AS "P" EXCEPT MALLION MOUNT	48"	\$ P
MOTION SENSOR DOOR CONTROL	CLG	\$ MS
PUSH-TO-EXIT BUTTON	48"	\$ P
REMOTE DOOR RELEASE PUSH-BUTTON	8" ACT	\$ P
RECESSED JUNCTION BOX	SEE DRAWINGS	\$ JB
ACCESS CONTROL HEADEND	5'-0"	\$ E2P
SECURITY CCTV VIDEO SURVEILLANCE		
CCTV CAMERA: CEILING MOUNT DOME (TEXT INDICATES TYPE) REFER TO SCHEDULE FOR TYPES	CLG	\$ C
CCTV CAMERA: WALL MOUNT DOME (TEXT INDICATES TYPE) REFER TO SCHEDULE FOR TYPES	WALL	\$ C
INDICATES EXTERIOR CAMERA RATED FOR CONDITIONS, WET LOCATION LISTED, WITH AUXILIARY HEATER		\$ C
INDICATES CAMERA WITH PAN/TILT/ZOOM FUNCTION		\$ C
CCTV HEAD END	SEE DRAWINGS	\$ C
SECURITY INTRUSION DETECTION		
MOTION DETECTOR (WALL OR CEILING MOUNT)	CLG	\$ ID
GLASS BREAK SENSOR (WALL OR CEILING MOUNT)	CLG	\$ ID
LOCAL SOUNDER	SEE DRAWINGS	\$ ID
INTRUSION DETECTION KEYPAD CONTROLLER	48"	\$ ID
SECURITY SYSTEM HEAD END	5'-0"	\$ E2P
DATA / VOICE		
DATA OUTLET: NUMBER BESIDE OUTLET INDICATES NUMBER OF VOICE JACKS, NO NUMBER INDICATES 1 JACK	1'-6"	\$ D
VOICE OUTLET: NUMBER BESIDE OUTLET INDICATES NUMBER OF VOICE JACKS, NO NUMBER INDICATES 1 JACK	1'-6"	\$ V
COMBINATION OUTLET: NUMBER BESIDE OUTLET INDICATES NUMBER OF DATA/VOICE JACKS	1'-6"	\$ D
SLASH THROUGH ANY DEVICE INDICATES MOUNTING ABOVE COUNTERTOP 4" ABOVE BACKSPASH		\$ D
DATA RACK: TWO POST, REFER TO COMMUNICATIONS RISERS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS	AS REQ'D	\$ D
DATA RACK: FOUR POST, REFER TO COMMUNICATIONS RISERS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS		\$ D
TELECOMMUNICATIONS SYSTEM BACKBOARD, PROVIDE 96H x 36"D FIRE-RETARDANT PLYWOOD BACKBOARD WITH TWO (2) COATS OF NON-CONDUCTIVE, FIRE-RETARDANT LIGHT GRAY PAINT, #50 TO GROUND BAR AT MAIN SERVICE SWITCHBOARD, SLIP GROUND BAR AND A 1/2" x 4" AVG POSTAL AT BACKBOARD, INSTALL BOARD AT 2" AFF. (LENGTH OF BOARD AS INDICATED ON FLOOR PLAN)		
WIRELESS ACCESS POINT WITH PROVISIONS FOR 1 DATA OUTLET FOR ANTENNA, PROVIDE A COMBINATION OF FINISHED WALL WITH FACERATE ABOVE CEILING, MOUNTED AT AN ACCESSIBLE HEIGHT NO MORE THAN 4" ABOVE CEILING, AT EACH OUTLET, PROVIDE A 2" COIL OF CABLE AHEAD OF THE OUTLET FOR ADJUSTMENT OF FINAL OUTLET LOCATION, THE CONTRACTOR SHALL COORDINATE EXACT LOCATIONS WITH THE OWNER AND ADJUST OUTLET LOCATIONS AT SUBSTANTIAL COMPLETION TO ACCOMMODATE OWNER'S WAP LOCATIONS	CEILING	\$ WAP
	WALL	\$ WAP



1 TYPICAL WALL DEVICE MOUNTING DETAIL
SCALE: NONE

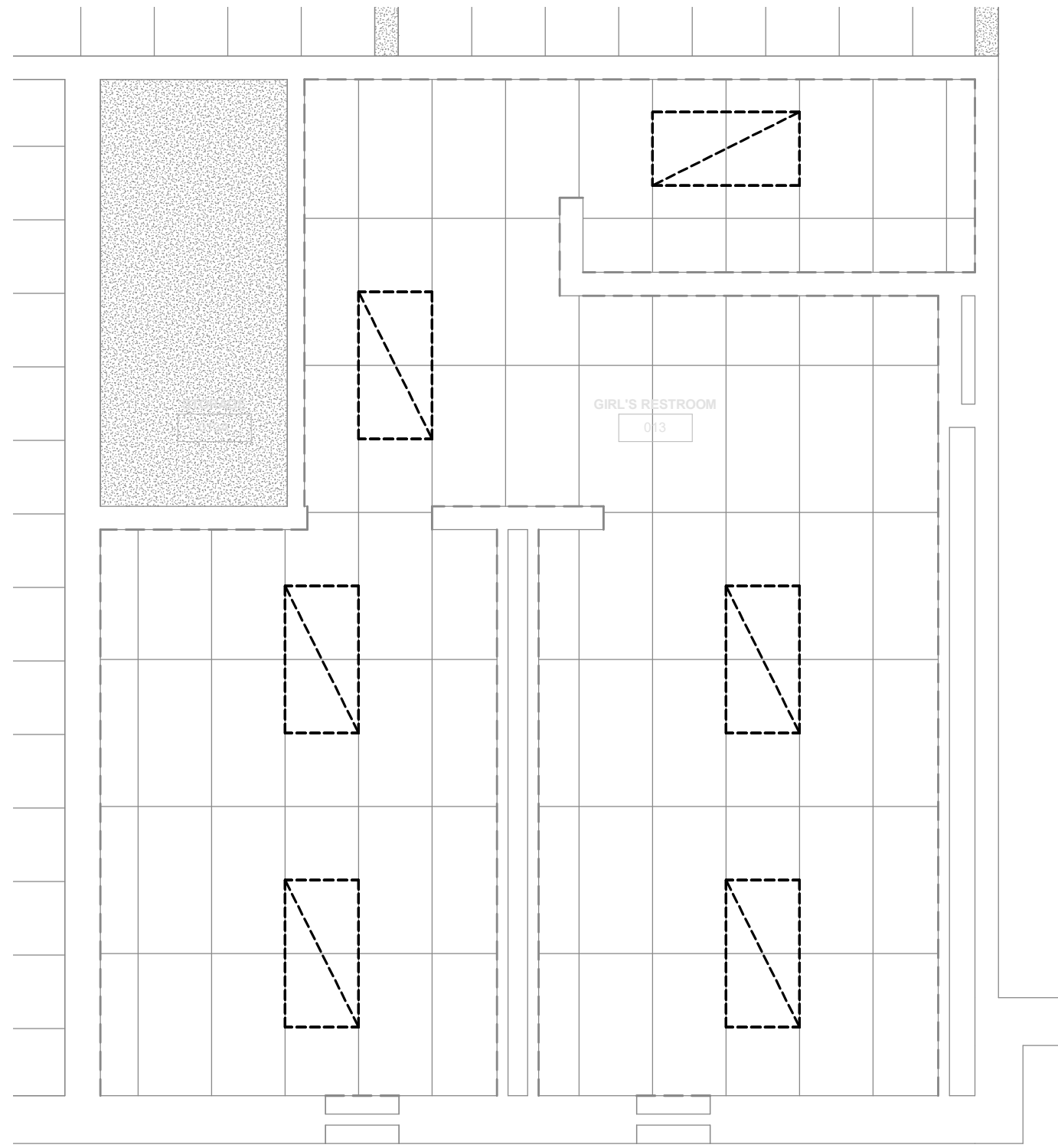
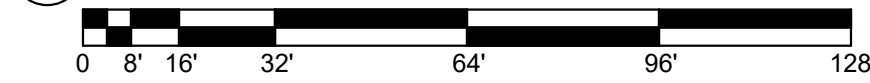
ELECTRICAL GENERAL NOTES

- EACH CONTRACTOR, PROPOSER, SUPPLIER AND/OR MANUFACTURER SHALL REFER TO ALL DOCUMENTS PERTAINING TO THIS PROJECT AND COORDINATE ACCORDINGLY TO ENSURE ACCURACY OF FIT, COMPLIANCE WITH SPECIFICATIONS, PROPER VOLTAGE AND CURRENT CHARACTERISTICS TO AVOID CONFLICT WITH ANY OTHER BUILDINGS SYSTEMS. VERIFY SAME WITH SHOP DRAWINGS.
- ADDITIONAL ELECTRICAL REQUIREMENTS MAY BE SHOWN ON PLANS FROM OTHER DISCIPLINES IN THIS SET. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL PLANS AND SPECIFICATIONS FOR A COMPLETE UNDERSTANDING OF THE PROJECT REQUIREMENTS.
- WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ALL LOCAL, STATE, AND NATIONAL CODES, INCLUDING BUT NOT LIMITED TO NFPA 70 (NEC), NFPA 72, INTERNATIONAL BUILDING CODES, ETC.
- CONTRACTOR SHALL FOLLOW SEISMIC RESTRAINT AND DESIGN REQUIREMENTS CONTAINED IN LATEST ADOPTED STATE AND INTERNATIONAL BUILDING CODES, WITH ALL AMENDMENTS AS ADOPTED BY THE CURRENT LEGISLATION. REFER TO ELECTRICAL AND STRUCTURAL SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- ALL OFFSETS, TURNS, FITTINGS, TRIM, DETAIL, ETC. MAY NOT BE INDICATED, BUT SHALL BE PROVIDED AS REQUIRED. ADDITIONAL ALLOWANCES SHALL BE INCLUDED FOR SAME AT EACH PROPOSER'S DISCRETION.
- INSTALL NO PIPING, CONDUIT, DUCTWORK, ETC. IN A LOCATION OR IN A MANNER WHICH WILL ALLOW FREEZING OR THE COLLECTION OF CONDENSATION THEREON. IF IN DOUBT, CONTACT THE ENGINEER.
- ADVISE THE ENGINEER OF ANY CONFLICTS, ERRORS, OMISSIONS, ETC. AT LEAST TEN DAYS PRIOR TO BID DATE. TO ALLOW CLARIFICATION BY WRITTEN ADDENDUM.
- WHERE CONFLICTS ARE FOUND BETWEEN DRAWINGS, DETAILS, OR SPECIFICATIONS, THE MORE STRINGENT REQUIREMENT SHALL APPLY. NOTIFY ARCHITECT OF DISCREPANCY IN WRITING.
- DEVIATION FROM SPECIFICATIONS OR PLANS REQUIRES PRIOR WRITTEN APPROVAL FROM THE ENGINEERS AND MUST BE SUBMITTED IN WRITING NO LATER THAN TEN DAYS PRIOR TO THE BID DATE.
- OBSERVE ALL APPLICABLE CODES, RULES AND REGULATIONS THAT MAY APPLY TO THE WORK UNDER THIS CONTRACT, (CITY, COUNTY, LOCAL, STATE, FEDERAL, MUNICIPALITY, UTILITY COMPANY, OSHA, ETC.).
- MOUNTING HEIGHTS FOR WALL MOUNTED DEVICES INDICATED ABOVE FINISHED FLOOR ARE TO CENTER OF DEVICE UON. MOUNTING HEIGHTS TO CEILING SUSPENDED DEVICES ARE TO BOTTOM OF DEVICE UON.
- INSTALL EQUIPMENT, MATERIALS, ETC. IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND DIRECTIONS. IF IN CONFLICT WITH THE DESIGN INDICATED IN CONTRACT DOCUMENTS, ADVISE THE ENGINEER PRIOR TO INSTALLATION FOR CLARIFICATION.
- DO NOT RECESS PANELBOARD TUBS OR OTHER FLUSH-MOUNTED EQUIPMENT IN WALLS THAT HAVE A FIRE RATING. NO INSTALLATION SHALL DIMINISH OR VOID FIRE RESISTIVE RATINGS IN ANY MANNER.
- THE PURPOSE AND INTENT OF ALL OF THE DOCUMENTS PERTAINING TO THIS PROJECT IS TO PROVIDE A COMPLETE, FUNCTIONAL, SAFE, LIKE-NEW FACILITY. ANYTHING LESS SHALL BE UNACCEPTABLE.
- ALL SYSTEMS, EQUIPMENT AND MATERIALS ARE TO BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. WORK NOT MEETING THIS CRITERION SHALL BE REMOVED AND REINSTALLED SATISFACTORILY. FINAL DETERMINATION OF THE ACCEPTABILITY OF THE QUALITY OF WORK RESIDES WITH THE ENGINEER.
- ALL WORK, MATERIALS, EQUIPMENT, ETC. SHALL BE FULLY GUARANTEED FOR ONE FULL CALENDAR YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION AS DOCUMENTED BY THE ENGINEER, UNLESS LONGER WARRANTY PERIODS ARE SPECIFIED.
- UNLESS OTHERWISE SPECIFIED OR INDICATED, ALL EQUIPMENT AND/OR MATERIALS WITHIN OCCUPIED SPACES OR EXPOSED TO VIEW ON THE BUILDING EXTERIOR SHALL BE PRIME AND FINISHED SO AS TO COMPLEMENT ADJACENT SURFACE, UNLESS OTHERWISE NOTED. COORDINATE WORK AND COLORS WITH THE ARCHITECT.
- WHERE PENETRATING ROOFING MEMBRANE OR OTHER MATERIALS USED FOR WEATHERPROOFING THE BUILDING, MAKE SUCH PENETRATION IN A WAY THAT WILL NOT VOID OR DIMINISH THE ROOFING WARRANTY OR INTEGRITY IN ANYWAY. COORDINATE ALL SUCH PENETRATIONS WITH THE ROOFING MANUFACTURER AND ARCHITECT.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY COMPANY FEES, CASH CONTRIBUTIONS OR OTHER COSTS THAT THE UTILITY COMPANY MAY REQUIRE TO COMPLETE THEIR WORK, (ELECTRIC, TELEPHONE, TELEVISION, DATA, ETC.).
- COORDINATE WITH ARCHITECTURAL FLOOR PLANS, ELEVATIONS AND CASEWORK DETAILS FOR LOCATION OF ADDITIONAL RECEPTACLES, UTILITY OUTLETS, ELECTRICAL DEVICES, ETC.
- CEILING-MOUNTED ELECTRICAL DEVICES SHALL BE CENTERED IN 2'x2' CEILING TILE AND INSTALLED CENTERED ON 2" DIMENSION OF 2'x4" TILE AND ON CENTERLINE OR A QUARTER POINT ON 4" DIMENSION.
- ANY VIBRATING, OSCILLATING OR OTHER NOISE OR MOTION PRODUCING EQUIPMENT SHALL BE ISOLATED FROM SURROUNDING SYSTEMS IN AN APPROVED MANNER. NOISE OR VIBRATION PRODUCING EQUIPMENT SHALL BE SATISFACTORILY REPLACED OR REPAIRED AT THE INSTALLING CONTRACTOR'S EXPENSE. THE FINAL DECISION ON THE SUITABILITY OF A PARTICULAR INSTALLATION'S ACCEPTABILITY SHALL BE THAT OF THE ENGINEER.
- CHECK ALL THREE PHASE MOTORS WITH A PHASE ROTATION METER, PRIOR TO PLACING IN SERVICE.
- PROVIDE DETAILED SHOP DRAWINGS TO ENGINEER PRIOR TO PURCHASING OR INSTALLING ANY EQUIPMENT.
- DEVIATIONS IN SIZES, CAPACITIES, FIT, FINISH, ETC. FOR EQUIPMENT FROM THAT PRIME SPECIFIED SHALL BE THE RESPONSIBILITY OF THE PURCHASER OF THAT EQUIPMENT, ANY PROVISIONS REQUIRED TO ACCOMMODATE A DEVIATION, WHETHER APPROVED BY THE ENGINEER OR NOT, SHALL BE THE RESPONSIBILITY OF THE PURCHASER.
- THE CONSTRUCTION MANAGER, GENERAL CONTRACTOR, OR WHOMEVER HOLDS THE PRIME CONTRACT(S) FOR THIS CONSTRUCTION IS RESPONSIBLE FOR THE COORDINATION, APPEARANCE, SCHEDULING AND TIMELINESS OF THE WORK OF ALL TRADES, CONTRACTORS, SUPPLIERS, INSTALLERS, ETC. POOR OR UNTIMELY WORK ON THE PART OF ANY SUBCONTRACTOR SHALL BE RESOLVED BY THE PARTY WHO ENGAGED THEM ON THIS PROJECT.
- AA WHERE MOUNTING HEIGHTS ARE NOT INDICATED OR ARE IN CONFLICT WITH ANY OTHER BUILDING SYSTEM, CONTACT THE ENGINEER BEFORE AFFECTING INSTALLATION. REFER ALSO TO ARCHITECTURAL INTERIOR AND EXTERIOR ELEVATIONS, CEILING HEIGHTS AND OTHER DETAILS OF THESE DOCUMENTS, AS APPLICABLE.
- AB WHERE FIRE-RATED CEILING ASSEMBLIES ARE NOTED, PROVIDE UL-LISTED FIRE-RATED GYPSUM BOARD OR PRE-MANUFACTURED ENCLOSURES ABOVE LUMINAIRES, CEILING DEVICES, ETC. IN OR ON CEILING, AS REQUIRED TO MAINTAIN CEILING RATINGS.
- AC COORDINATE THE LOCATION OF DRAINS, ELECTRICAL OUTLETS, GAS OUTLETS, ETC. WITH ALL CASEWORK, KITCHEN EQUIPMENT, MECHANICAL ROOM EQUIPMENT, ETC. PRIOR TO COMMENCING INSTALLATION. WORK NOT SO COORDINATED SHALL BE REMOVED AND PROPERLY INSTALLED AT THE EXPENSE OF THE RESPONSIBLE CONTRACTOR(S).
- AD ALL ELECTRICAL COMPONENTS OR EQUIPMENT SHALL BE LISTED AND LABELED BY UNDERWRITERS LABORATORIES OR OTHER APPROVED LISTING AGENCIES AND LABELING OF INDIVIDUAL COMPONENTS ON AN ASSEMBLY IS NOT ACCEPTABLE AS MEETING THIS REQUIREMENT, UNLESS WAIVED BY THE ENGINEER IN WRITING.
- AE ALL WIRING SYSTEMS SHALL BE INSTALLED WITH A MINIMUM OF SPLICES, CONDUCTORS, WHETHER SINGLE OR MULTI-PHASE, SHALL BE INSTALLED CONTINUOUS UNLESS OTHERWISE SPECIFIED. ALL WIRING SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.
- AF NO CONDUIT, SUPPORTS, ETC. SHALL BE RUN THROUGH ACCESS CLEARANCES OF EQUIPMENT BY OTHER TRADES (I.E. VAV BOXES), COORDINATE WITH ALL TRADES PRIOR TO CONSTRUCTION.
- AG ALL CONTRACTORS SHALL EXERCISE EXTREME CARE IN THE COURSE OF THEIR WORK SO AS TO ENSURE THAT THEY DO NOT INTERRUPT ANY EXISTING SERVICE OR SUB-SERVICE FOR SAFETY PURPOSES. PAY PARTICULAR ATTENTION TO THIS PRECAUTION RELATIVE TO NATURAL GAS AND ELECTRICAL LINES. VERIFY THE LOCATION, SIZE, TYPE, ETC. OF EACH UNDERGROUND OR OVERHEAD UTILITY. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL FEDERAL, STATE AND/OR LOCAL RULES, REGULATIONS, STANDARD AND SAFETY REQUIREMENTS. UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE MUNICIPALITY OR UTILITY COMPANY STANDARDS. IN ALL CASES, THE MOST STRINGENT REQUIREMENT SHALL APPLY.
- AH ALL SUPPORTS FOR EQUIPMENT, DEVICES OR FIXTURES SHALL BE UNIQUE, DIRECTLY FROM THE BUILDING STRUCTURE. DO NOT SUPPORT WORK FROM OTHER TRADES EQUIPMENT OR SUPPORTS WITHOUT WRITTEN PERMISSION FROM THE ENGINEER AND CONSENT OF THE OTHER TRADE. IN WRITING.
- AI WHERE INTERRUPTING AN EXISTING UTILITY OR SERVICE DELIBERATELY OR ACCIDENTALLY, THE RESPONSIBLE CONTRACTOR SHALL WORK CONTINUOUSLY AS NEEDED TO RESTORE SAME, PROVIDING PREMIUM TIME AS NEEDED.
- AJ REFER TO ARCHITECTURAL WALLS (WHEN GIVEN) FOR HEIGHTS AND MOUNTING RELATIONSHIP OF OUTLETS AND EQUIPMENT. IF IN DOUBT, CONTACT ENGINEER FOR DIRECTION PRIOR TO ROUGH-IN.
- AK FLUSH OR PEDESTAL TYPE FLOOR OUTLETS/BOXES, AS INDICATED ON PLAN, SHALL BE LOCATED BY DIMENSIONS PROVIDED BY THE ARCHITECT, UNLESS OTHERWISE SHOWN ON PLANS. IF IN DOUBT, CONTACT THE ENGINEER PRIOR TO ROUGHING-IN ANY WORK.
- AL AS APPLICABLE, REFERENCE TO ARCHITECTURAL PHASING PLANS AND PHASING BOUNDARIES ON THESE DRAWINGS FOR SEQUENCING OF WORK, FULL EXTENT OF AREAS INVOLVED, EXTENT OF CEILING WORK, ETC. PROVIDE TEMPORARY CONNECTIONS FOR CIRCUITS AND WORK AS REQUIRED TO MAINTAIN SEQUENCE OF THE WORK FROM PHASE TO PHASE.
- AM THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED FOR HIS WORK. ALL CUTTING AND PATCHING SHALL BE IN ACCORDANCE WITH THE ARCHITECT'S STANDARDS FOR SUCH WORK.
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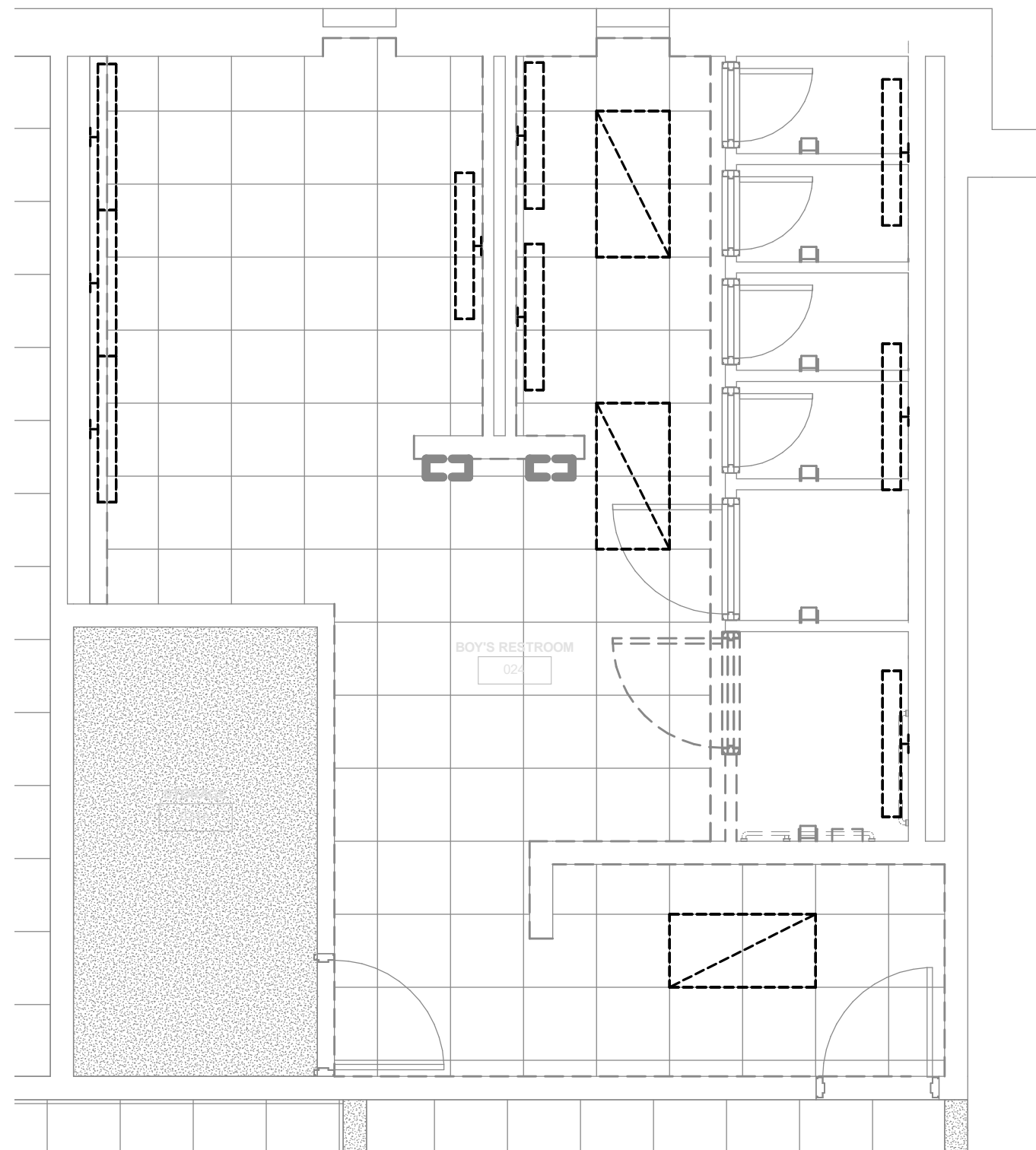
1 LIGHTING DEMOLITION KEY PLAN

SCALE: 1/32" = 1'-0"



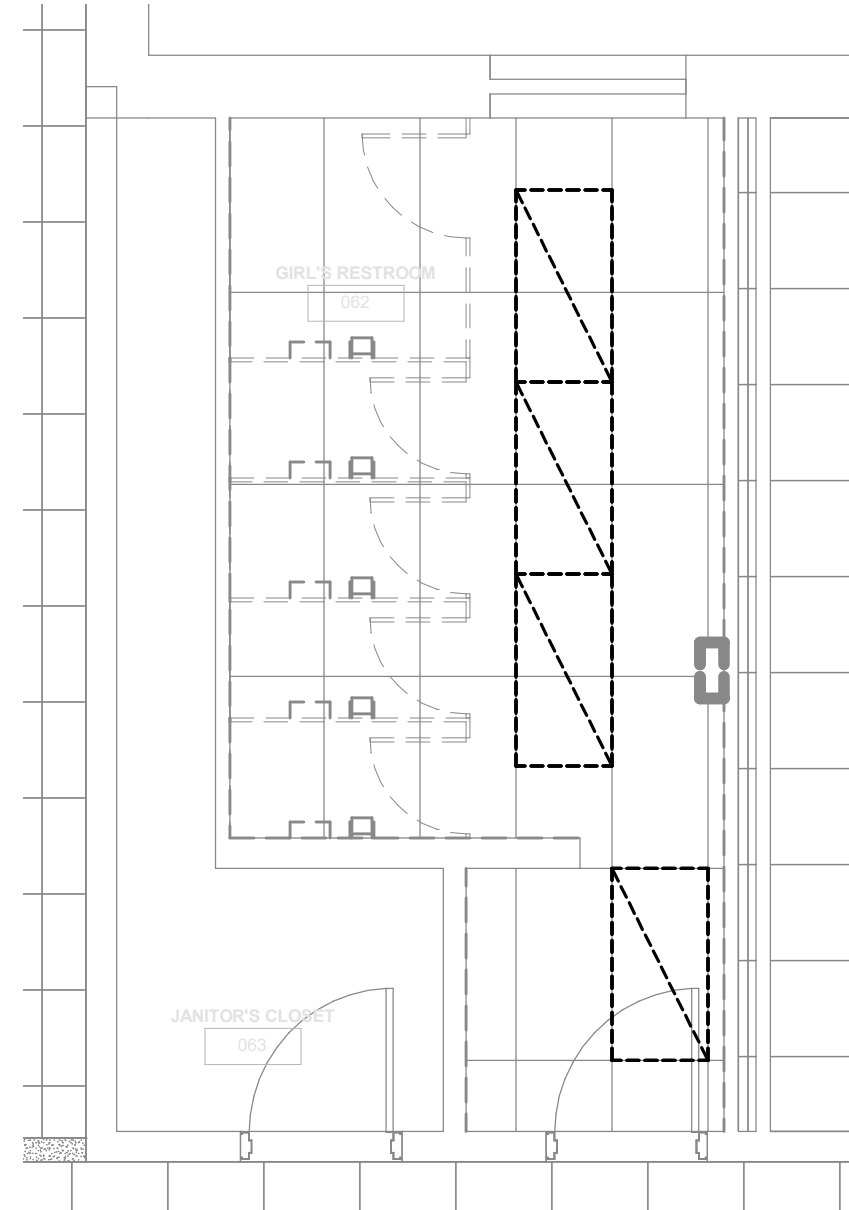
2 GIRL'S RR 1 - LIGHTING DEMO

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



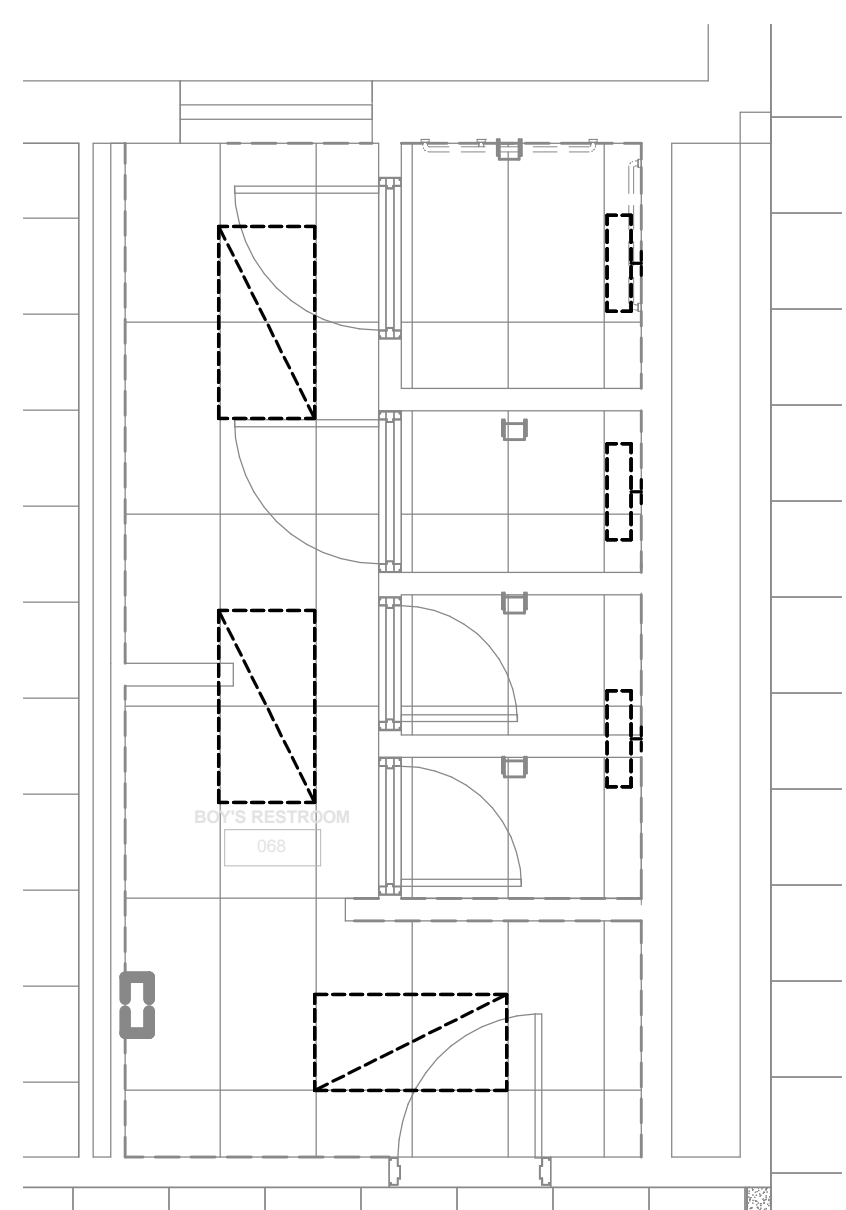
3 BOY'S RR 1 - LIGHTING DEMO

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



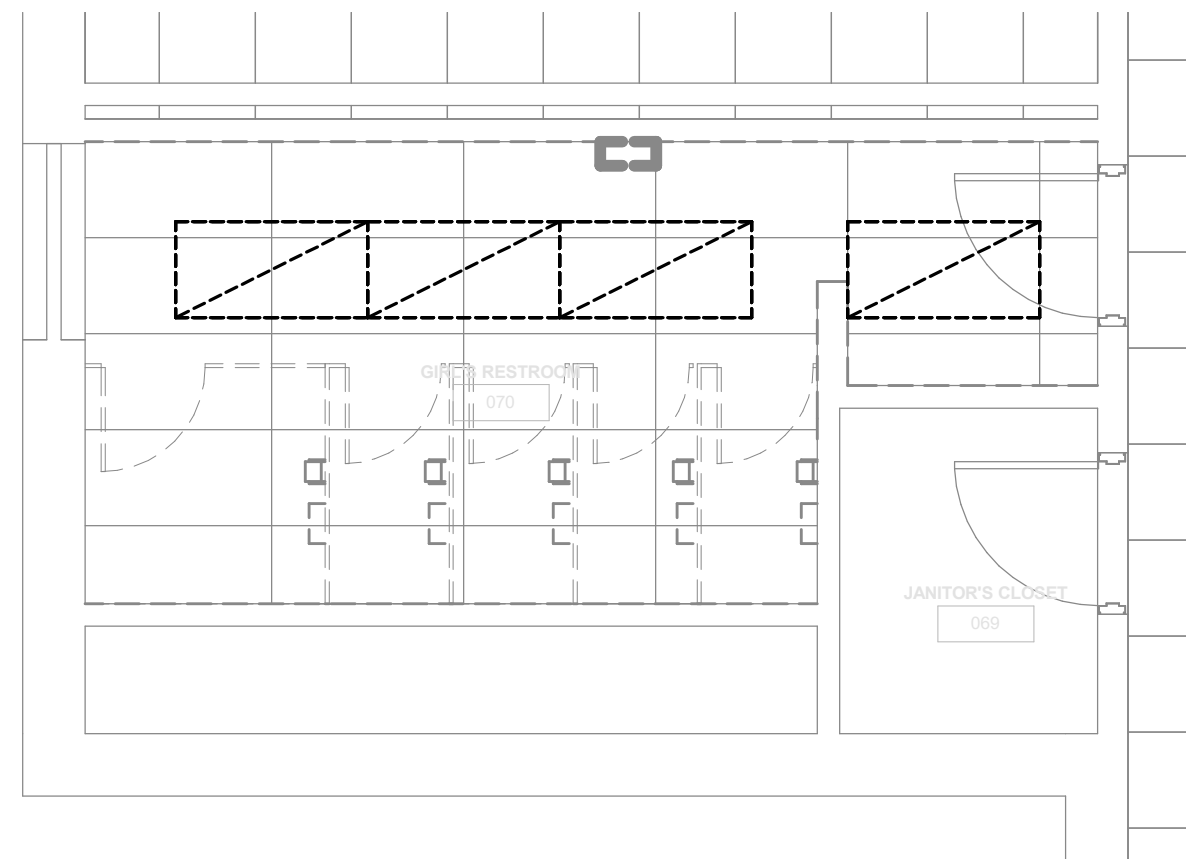
4 GIRL'S RR 2 - LIGHTING DEMO

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



5 BOY'S RR 2 - LIGHTING DEMO

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



6 GIRL'S RR 3 - LIGHTING DEMO

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



ELECTRICAL DEMOLITION NOTES

- A DOTTED LINES INDICATE ITEMS FOR REMOVAL (UON) AND SOLID HALFTONE LINES INDICATE EXISTING ITEMS TO REMAIN.
- B THE CONTRACTOR SHALL MAINTAIN THE CONTINUITY OF EXISTING CIRCUITS THAT CONTAIN DEVICES OR EQUIPMENT THAT ARE TO REMAIN. WHEN DEMOLITION OF AN ELECTRICAL DEVICE (OR CIRCUIT) IS INDICATED ON THE DRAWINGS, THE CONTRACTOR SHALL ENSURE THAT OTHER DEVICES OR EQUIPMENT "UPSTREAM" OR "DOWNSTREAM" ON THE CIRCUITS SHALL REMAIN IN "PRE-DEMOLITION" WORKING ORDER. "LEFT-OVER" CIRCUIT BREAKERS SHALL REMAIN, BE SWITCHED TO OFF POSITION, AND BE LABELED AS SPARES IN THEIR PANELS. PROVIDE NEW TYPEWRITTEN DIRECTORIES FOR ALL PANELS AFFECTED.
- C LOCATIONS OF DEVICES, CONNECTIONS, ETC., INDICATED ON THIS DRAWING WERE TAKEN FROM VARIOUS SOURCES. THEY ARE DIAGRAMMATIC ONLY AND ARE SUBJECT TO VARIATION FROM EXISTING CONDITIONS. CERTAIN EXISTING ELEMENTS MAY NOT BE INDICATED AT ALL. THE CONTRACTOR PROPOSING TO DO ANY PART OF THE WORK INDICATED HEREON SHALL VISIT THIS SITE AND DETERMINE TO HIS SATISFACTION THAT THEY MAY COMPLETE ALL WORK REQUIRED FOR THE BID WHICH HE PROPOSES.
- D REMOVE ALL ASSOCIATED BACKBOXES, CONDUIT AND CONDUCTORS FOR DEVICES / FIXTURES (ETC. BEING REMOVED BACK TO SOURCE), WHETHER INDICATED OR NOT (UON). CONTRACTOR SHALL PATCH AND REPAIR ANY EXISTING WALLS, FLOORS OR CEILINGS WHERE DEVICES ARE SHOWN TO BE REMOVED (PATCH AND REPAIR TO RECEIVE NEW FINISHES - SEE ARCHITECTURAL PLANS).
- E COORDINATE DISPOSAL OF ALL FIXTURES, DEVICES, ETC. (INDICATED FOR DEMOLITION) WITH OWNER. TURN OVER ITEMS REMOVED TO OWNER AT THEIR OPTION.
- F COORDINATE WITH OTHER TRADES FOR THE REMOVAL AND/OR RELOCATION OF ELECTRICAL DEVICES AND CONNECTIONS ASSOCIATED WITH THEIR EQUIPMENT.
- G PROVIDE TEMPORARY EMERGENCY EXIT LIGHTS AT CONSTRUCTION BARRIERS AS REQUIRED.
- H CONTRACTOR SHALL PATCH AND REPAIR ALL EXISTING WALLS / CEILINGS AS REQUIRED WHERE DEVICES ARE BEING REMOVED OR INSTALLED.
- I UNUSED/ABANDONED CONDUCTORS DISCOVERED ABOVE ACCESSIBLE CEILINGS SHALL BE REMOVED IN ACCORDANCE WITH NEC REQUIREMENTS.
- J EXISTING ELECTRICAL SYSTEMS IN CONFLICT WITH CONSTRUCTION SHALL BE RELOCATED TO PERMIT INSTALLATION OF DEVICES AND EQUIPMENT SHOWN ON PLANS.
- K CONTRACTOR SHALL SEAL ALL EXISTING AND NEW PENETRATIONS OF BUILDING ENVELOPE (EXTERIOR WALLS, ROOF, ETC.) WATER-TIGHT AND AS APPROVED BY ARCHITECT AND ENGINEER. ROOFING SHALL BE RESTORED BY A LICENSED ROOFING CONTRACTOR BASED ON WRITTEN INSTRUCTIONS AND DETAILS FROM ROOFING MANUFACTURER AS REQUIRED TO MAINTAIN ROOF WARRANTY. REFER TO ARCHITECTURAL AND ENGINEERING PLANS AND SPECIFICATIONS FOR FURTHER REQUIREMENTS.
- L DEVICES INDICATED WITH AN "R" SHALL BE RELOCATED, REMOVE, PROTECT, AND REINSTALL IN NEW LOCATION INDICATED ON NEW WORK PLANS. INTERCEPT AND EXTEND ALL EXISTING CABLING TO NEW LOCATION. CLEAN AND RE-LAMP RELOCATED LUMINAIRES.
- M ALL EXISTING PANELS AFFECTED BY THIS CONTRACTOR'S WORK SHALL BE PROVIDED WITH NEW TYPEWRITTEN PANEL DIRECTORIES AND INSERT SLEEVES. PANEL DIRECTORIES SHALL NOT USE ROOM NAMES OR NUMBERS FROM THESE DRAWINGS. DIRECTORIES SHALL BE DETAILED AND COORDINATED WITH OWNER'S SUITE NUMBERS, FINAL ROOM NUMBERS, IT RACK NAMES, WORKSTATION DESIGNATIONS, ETC. UNUSED BREAKERS SHALL BE IN OFF POSITION.
- N CONTRACTOR TO VERIFY THAT THERE ARE NO ELECTRICAL CIRCUITS IN CHASES BEING REMOVED UNDER DEMOLITION WHICH REMAIN IN SERVICE AND CANNOT BE REMOVED. SHOULD SUCH CIRCUITS BE ENCOUNTERED, THE CONTRACTOR IS TO REROUTE AND RECONNECT AS REQUIRED TO MAINTAIN SERVICE.

TAGGED NOTES

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ELECTRICAL PLANS - DEMOLITION
KING MIDDLE SCHOOL RESTROOM RENOVATIONS
FOR:
MERCER COUNTY BOARD OF EDUCATION
HARRODSBURG, KENTUCKY

M.E.&P. Engineer:
CMTA, Inc.
220 Lex. Green Circle, Ste. 400
Lexington, KY 40503
p. 859.253.0892

BG# 23-289

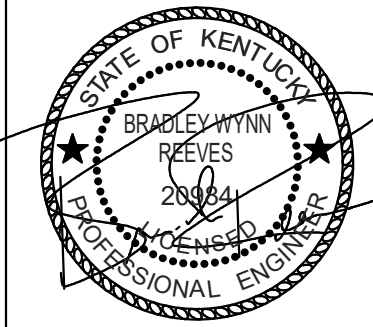
Project No: 2282
Drawn By: BWR
Rev'd By: BWR

SHEET RELEASE

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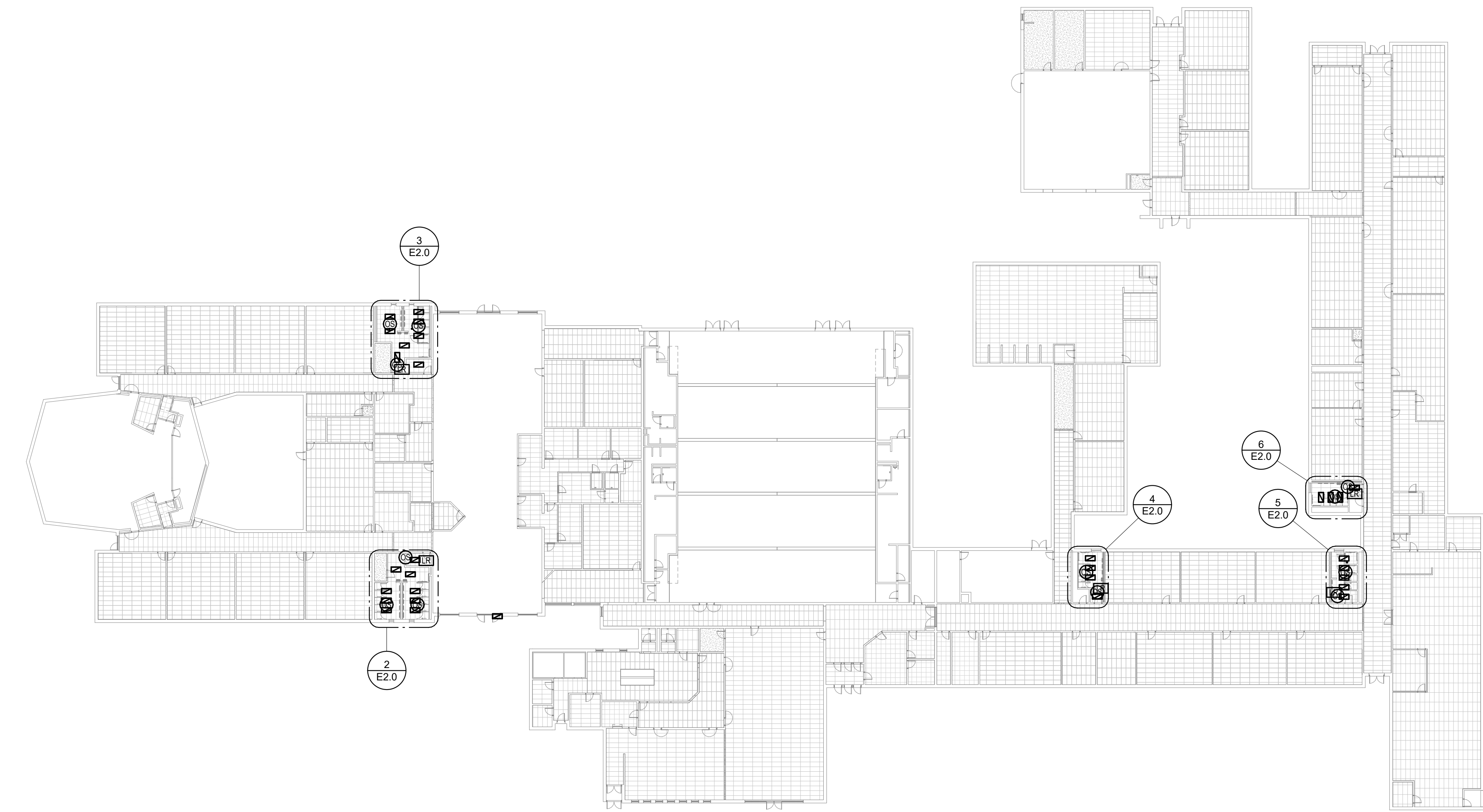
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CONSTRUCTION DOCUMENTS

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ELECTRICAL PLANS -
DEMOLITION
DATE ISSUED:
Issue Date

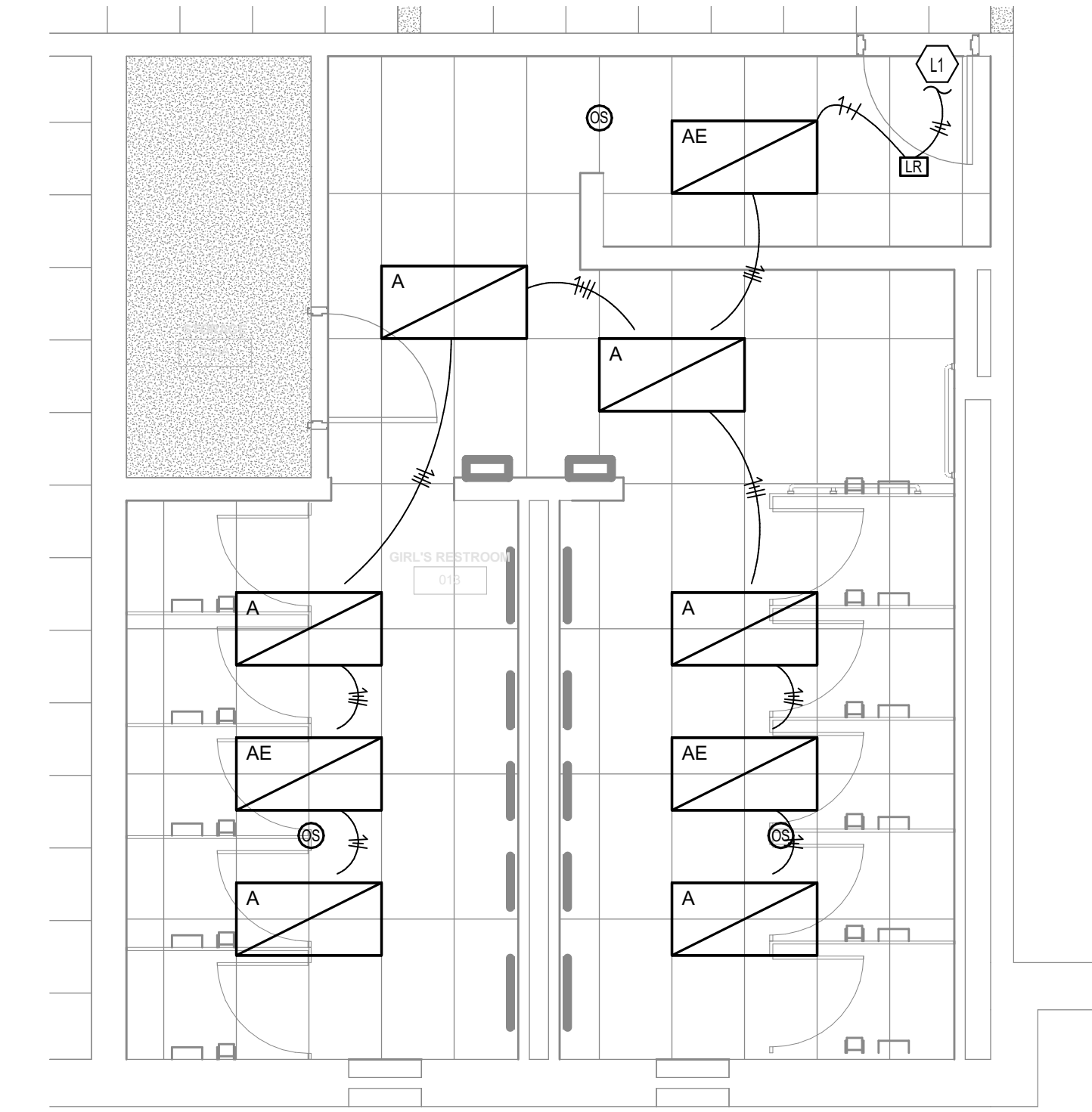


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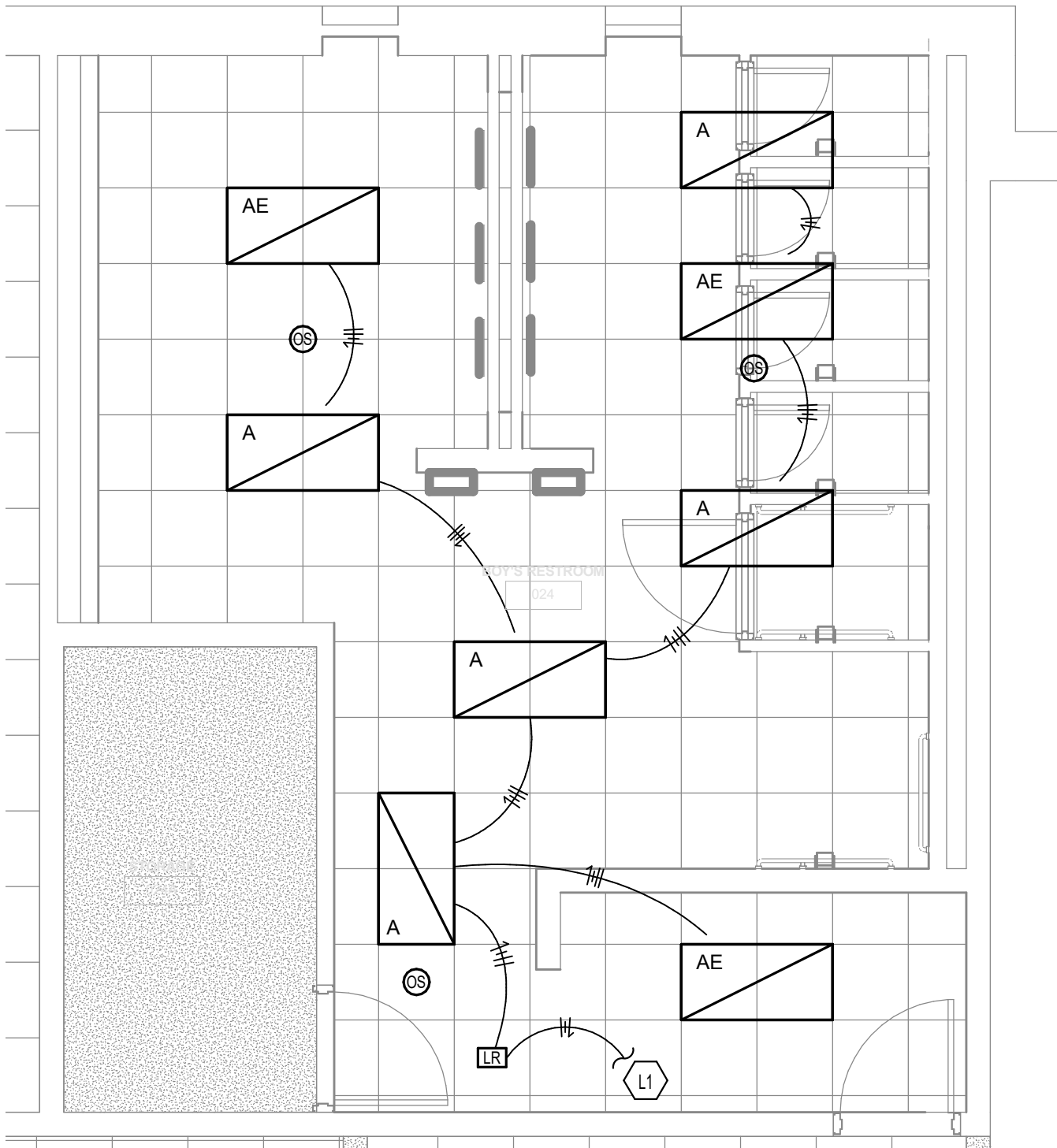
101 old ladyette avenue lexington, kentucky 40502 p. 859.254.4018



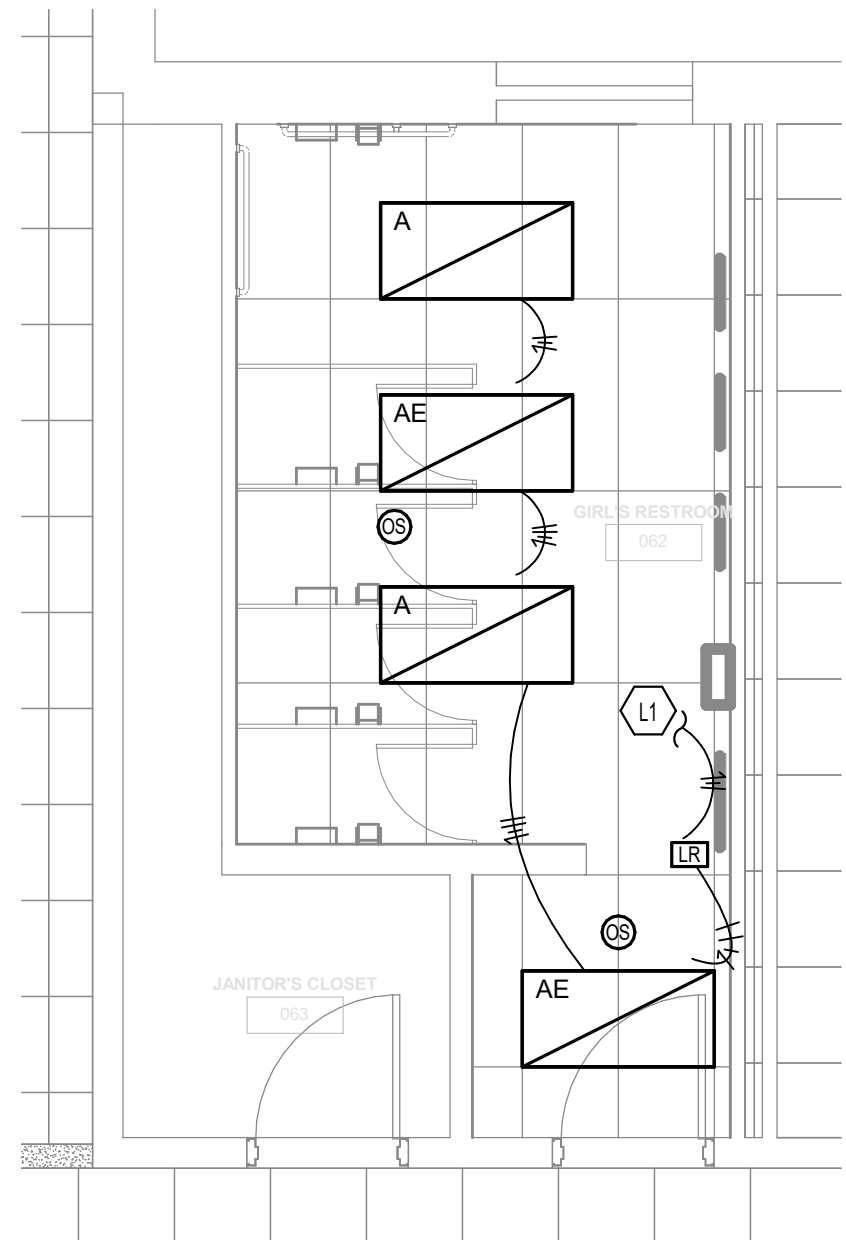
1 LIGHTING KEY PLAN
SCALE: 1/32" = 1'-0"



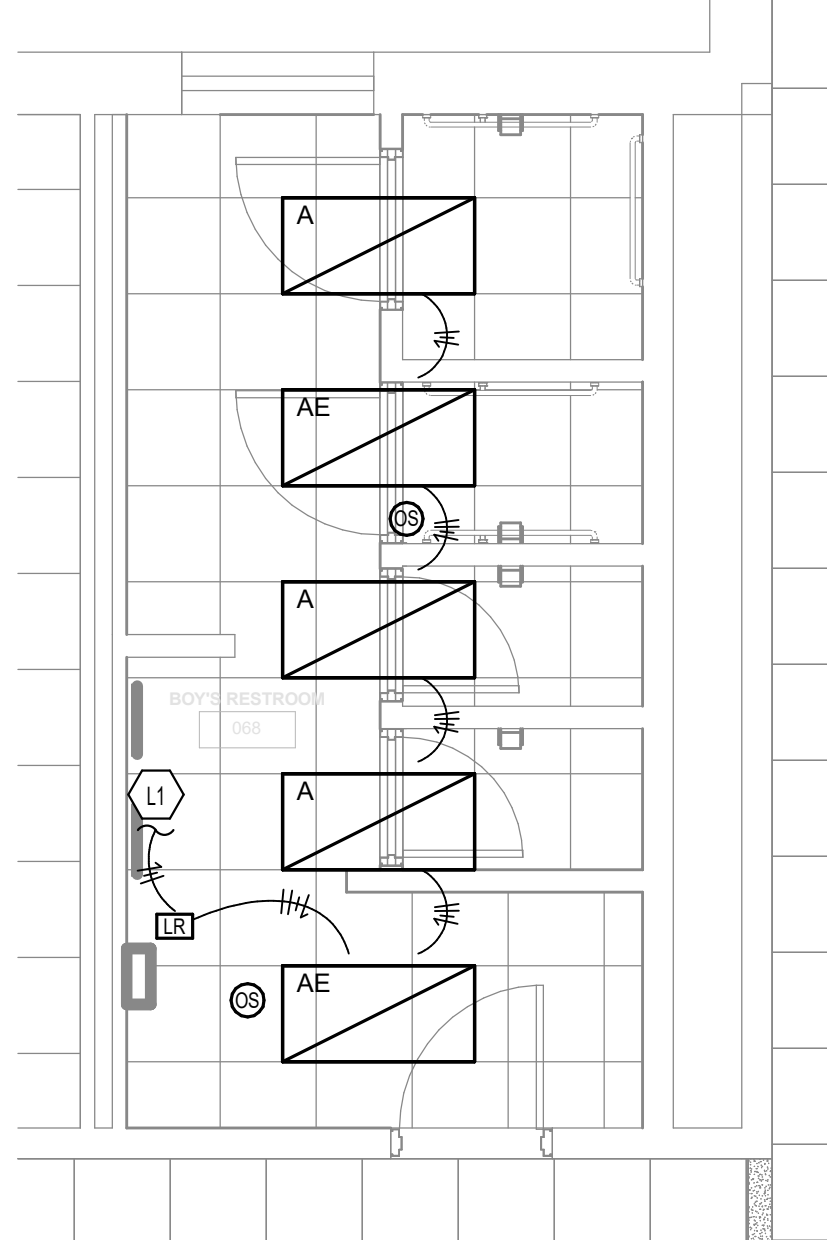
2 GIRL'S RR 1 - LIGHTING PLAN
SCALE: 1/4" = 1'-0"



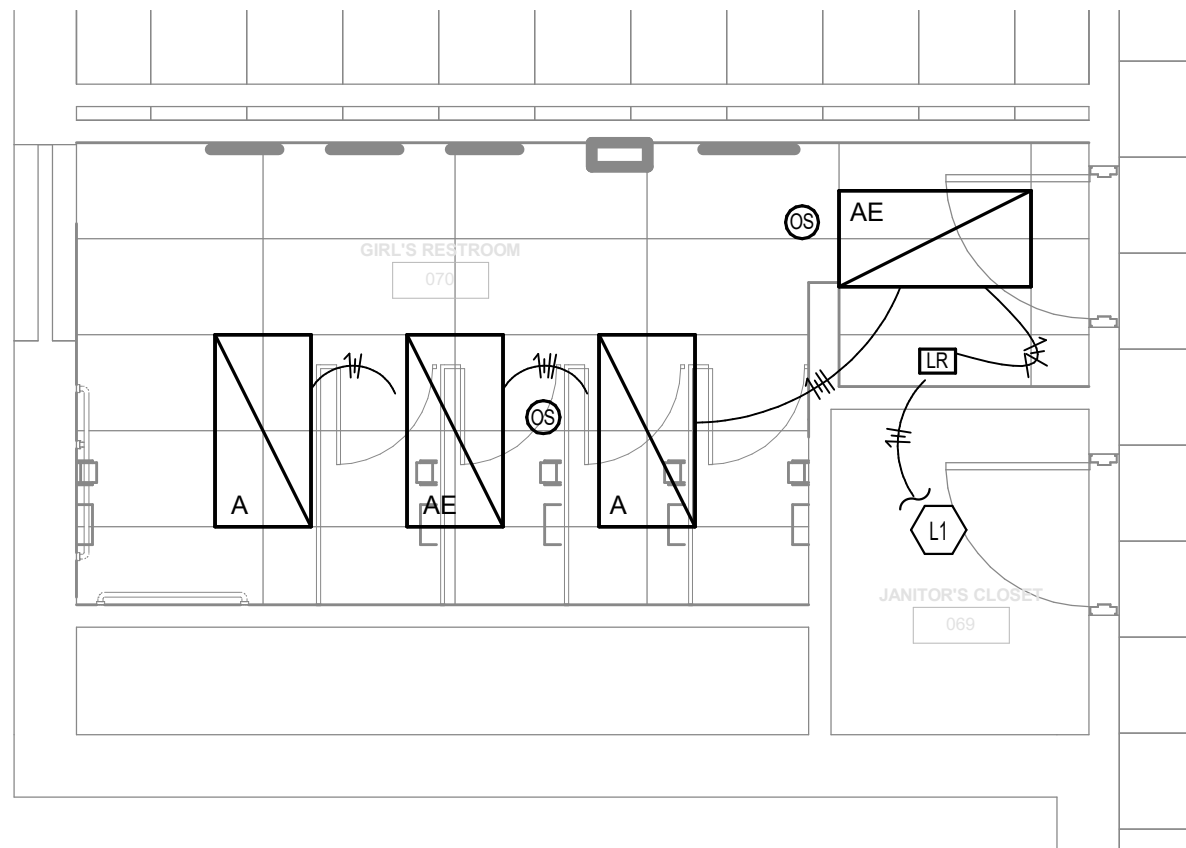
3 BOY'S RR 1 - LIGHTING PLAN
SCALE: 1/4" = 1'-0"



4 GIRL'S RR 2 - LIGHTING PLAN
SCALE: 1/4" = 1'-0"

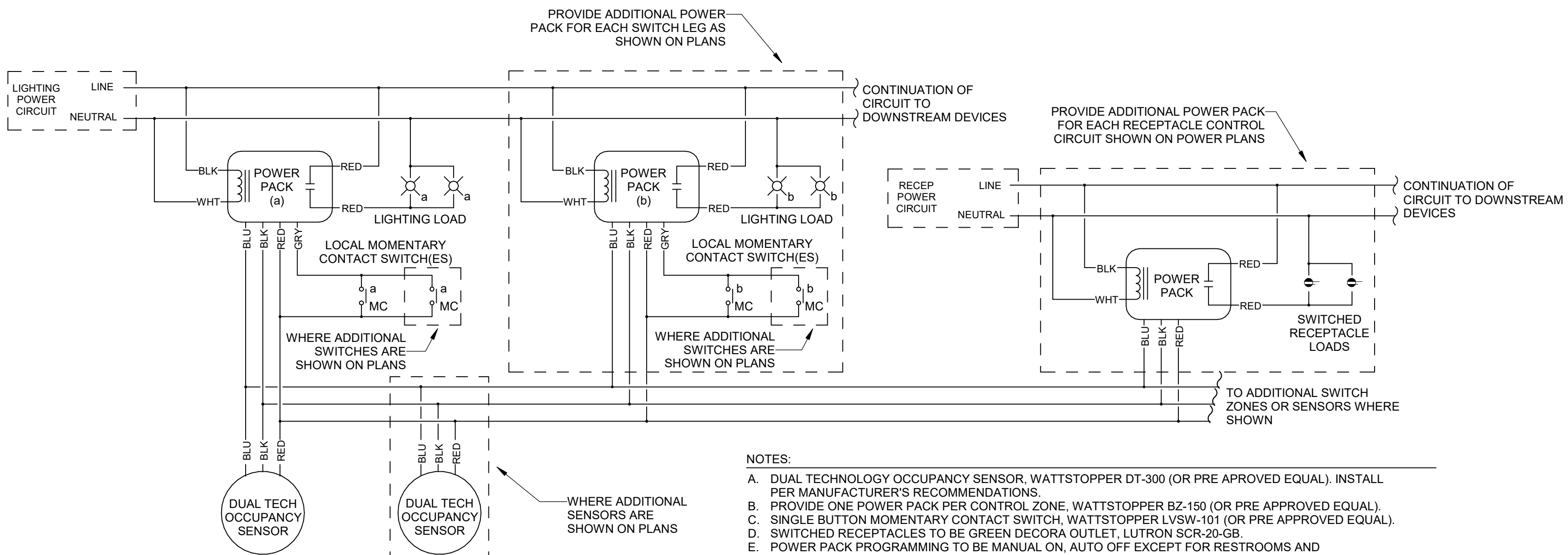


5 BOY'S RR 2 - LIGHTING PLAN
SCALE: 1/4" = 1'-0"



6 GIRL'S RR 3 - LIGHTING PLAN
SCALE: 1/4" = 1'-0"

ELEC - LUMINAIRE SCHEDULE										
TYPE	DESCRIPTION	BASIS OF DESIGN	EQUALS	LAMPS / CCT	DRIVER	MINIMUM LUMENS	MOUNTING	MAXIMUM WATTAGE	VOLTAGE	REMARKS
A	2X4 LED FLAT PANEL	LITHONIA EPANEL SERIES	METALUX		LED	4000	CEILING	38	277	
AE	SAME AS FIXTURE TYPE A WITH INTEGRAL EMERGENCY BATTERY PACK	LITHONIA EPANEL SERIES	METALUX		LED	4000	CEILING	38	277	



7 OCCUPANCY SENSOR CONTROL WIRING DIAGRAM
SCALE: 1/2" = 1'-0"

ELECTRICAL LIGHTING NOTES

- REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASEWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.
- CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RAN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER N.E.C. #310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER N.E.C. #300.17 AND ANNEX C. MULTI-WIRE BRANCH CIRCUITS AS DEFINED IN N.E.C. #100.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
- IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION. PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING. IN HEALTHCARE FACILITIES, ENGRAVE EMERGENCY DEVICE COVERPLATES IN PATIENT CARE AREAS. ALSO, MARK INSIDES OF ALL DEVICE BOXES WITH PANEL AND CIRCUIT NUMBER.
- LOCATE CHAIN-HUNG INDUSTRIAL FIXTURES IN MECHANICAL ROOMS TO AVOID DUCTWORK AND PIPING, TO MAXIMIZE AVAILABLE LIGHT. SPACE AROUND EQUIPMENT, AIR HANDLERS, ETC. TO PROVIDE ADEQUATE LIGHTING TO ALL AREAS OF ROOM. PROVIDE ADDITIONAL FIXTURES OF SAME TYPE AS NEEDED TO FULFILL THIS REQUIREMENT.
- LOCATE EXIT SIGNS FOR MAXIMUM VIEWING AREA TO IDENTIFY EGRESS PATHS AS INDICATED ON PLANS. COORDINATE LOCATIONS SUCH THAT ARCHITECTURAL FEATURES OR EQUIPMENT FROM OTHER TRADES DO NOT OBSTRUCT VIEW.
- LUMINAIRES INDICATED WITH MULTI-LEVEL SWITCHING SHALL HAVE SIMILAR LAMPS CONTROLLED TOGETHER, I.E. INBOARD AND OUTBOARD LAMPS OR RIGHT AND LEFT HAND LAMPS.
- ALL LIGHTING FIXTURE LENSES, PARABOLIC LOUVERS, DOWNLIGHTING ALZAK CONES AND "PARACUBE" LOUVERS SHALL BE HANDLED WITH COTTON GLOVES DURING INSTALLATION AND LAMPING TO AVOID FINGERPRINTS OR DIRT DEPOSITS. IT IS PREFERRED THAT FIXTURES BE SHIPPED AND INSTALLED WITH CLEAR PLASTIC BAGS TO PROTECT LOUVERS. AT CLOSE OF PROJECT, AND AFTER CONSTRUCTION AIR FILTERS ARE CHANGED, REMOVE BAGS. ANY LOUVER OR CONE SHOWING DIRT OR FINGER PRINTS SHALL BE CLEANED WITH SOLVENT RECOMMENDED BY THE MANUFACTURER, OR REPLACED AS NECESSARY IN ORDER TO TURN OVER TO THE OWNER NEW FIXTURES AT OCCUPANCY.
- RECESSED LUMINAIRES SHALL BE SECURED SUCH THAT THE FORCE REQUIRED INSERTING LAMPS, TRIMS, LENSES, LOUVERS, OR DOOR FRAMES DOES NOT SHIFT HOUSING. ALL TRIMS SHALL BE COMPLETELY FLUSH WITH FINISHED CEILINGS AT COMPLETION OF CONSTRUCTION.
- CONTRACTOR SHALL PROVIDE UNSWITCHED CONDUCTOR TO ALL EXIT SIGNS, EMERGENCY INVERTER BATTERY PACKS, AND NIGHT LIGHTS AS REQUIRED.

TAGGED NOTES

- L1 CONNECT TO EXISTING UNSWITCHED LIGHTING CIRCUIT IN THE SPACE.