

# IOWA ARMY NATIONAL GUARD

BUILDING A-1 RENOVATE LATRINES

CONTRACT NO.: C322A1047 PROJECT NO.: 19083795

5698 NW 78TH AVE, JOHNSTON, IA 50131

100% TYPE B SUBMITTAL  
07/16/2024

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	<p>I HEREBY CERTIFY THAT THE PORTION OF THIS TECHNICAL SUBMISSION DESCRIBED BELOW WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND RESPONSIBLE CHARGE. I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF IOWA.</p> <p>PRINTED OR TYPED NAME: SETH SHANNON DATE: 07/16/2024</p> <p>LICENSE NUMBER: 06296 MY LICENSE RENEWAL DATE IS: 07/01/2025</p> <p>PAGES OR SHEET COVERED BY THIS SEAL: GENERAL SHEETS &amp; A SERIES</p>
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ISSUE DATE: 07/16/2024  
REVISIONS:  
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DESIGNED: LED  
DRAWN: MKK  
CHECKED: SS

THIS DRAWING BEING A CONTRACT DOCUMENT, THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND AUTHORITIES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND AUTHORITIES. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND AUTHORITIES.

100% TYPE B SUBMITTAL

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IOWA ARMY NATIONAL GUARD

BUILDING A-1 RENOVATE LATRINES  
CONTRACT NO.: C322A1047 PROJECT NO.: 19083795  
5698 NW 78TH AVE, JOHNSTON, IA 50131

COVER SHEET

PROJECT NO.: 08320.001

0

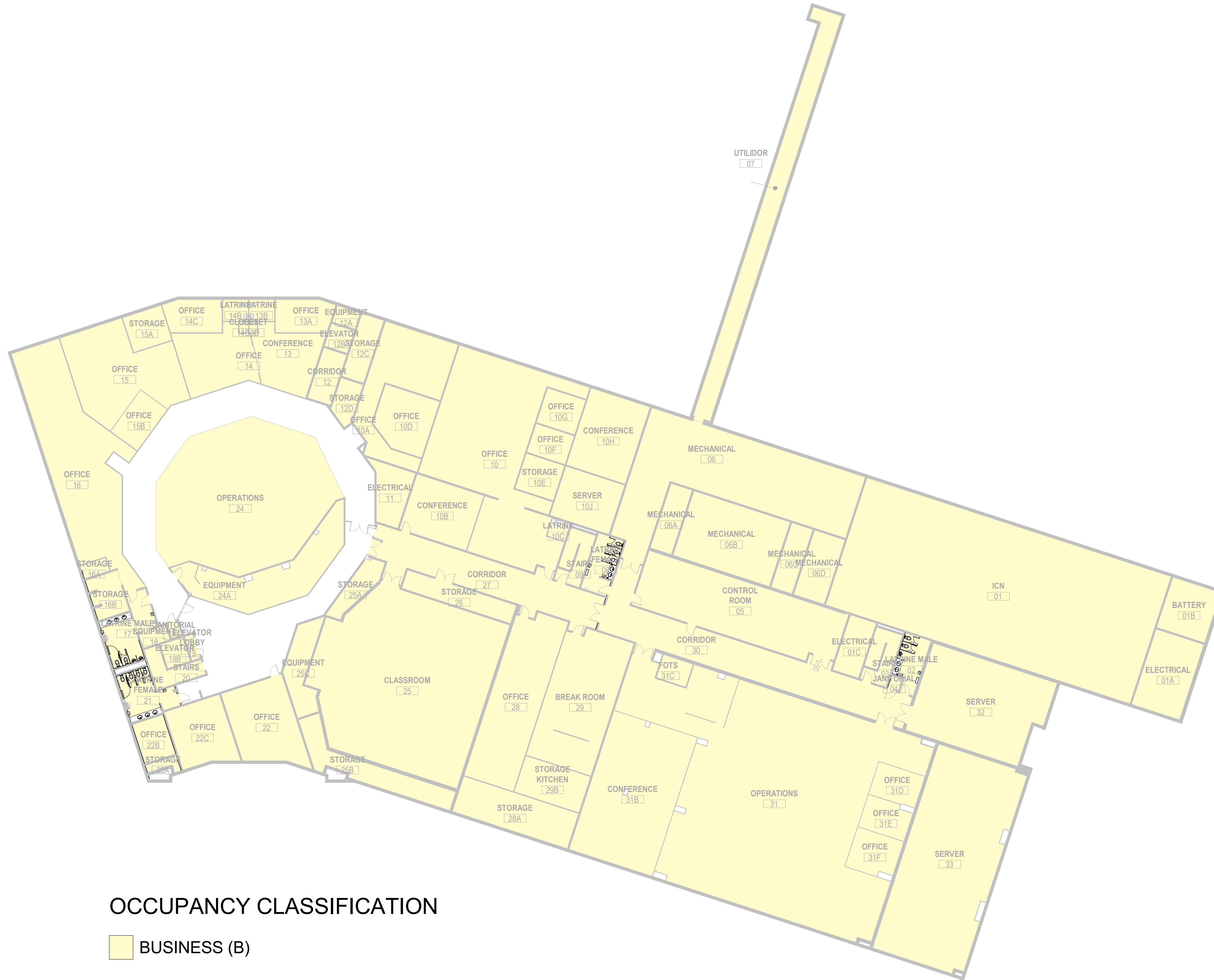
### ACC\_ROOM SCHEDULE BASEMENT

ROOM NO	ROOM NAME	FUNCTION OF SPACE	CALC. (SQ/FOCC) AREA / OCC	OCCUPANT LOAD
BASEMENT BUSINESS (B)				
01	ICN	MECHANICAL EQUIPMENT ROOM	4812 SF / 300 SF	16.04
01A	ELECTRICAL	MECHANICAL EQUIPMENT ROOM	446 SF / 300 SF	1.49
01B	BATTERY	MECHANICAL EQUIPMENT ROOM	297 SF / 300 SF	0.99
01C	ELECTRICAL	MECHANICAL EQUIPMENT ROOM	174 SF / 300 SF	0.58
04	JANITORIAL	STORAGE AREAS	16 SF / 300 SF	0.05
05	CONTROL ROOM	MECHANICAL EQUIPMENT ROOM	1307 SF / 300 SF	4.36
06	MECHANICAL	MECHANICAL EQUIPMENT ROOM	1979 SF / 300 SF	6.60
06A	MECHANICAL	MECHANICAL EQUIPMENT ROOM	168 SF / 300 SF	0.56
06B	MECHANICAL	MECHANICAL EQUIPMENT ROOM	769 SF / 300 SF	2.56
06C	MECHANICAL	MECHANICAL EQUIPMENT ROOM	166 SF / 300 SF	0.55
06D	MECHANICAL	MECHANICAL EQUIPMENT ROOM	242 SF / 300 SF	0.81
10	OFFICE	BUSINESS AREAS	2084 SF / 100 SF	20.84
10A	OFFICE	BUSINESS AREAS	722 SF / 100 SF	7.22
10B	CONFERENCE	ASSEMBLY UNCONCENTRATED (TABLE AND CHAIRS)	453 SF / 15 NET SF	30.22
10D	OFFICE	BUSINESS AREAS	351 SF / 100 SF	3.51
10E	STORAGE	STORAGE AREAS	164 SF / 300 SF	0.55
10F	OFFICE	BUSINESS AREAS	134 SF / 100 SF	1.34
10G	OFFICE	BUSINESS AREAS	162 SF / 100 SF	1.62
10H	CONFERENCE	ASSEMBLY UNCONCENTRATED (TABLE AND CHAIRS)	561 SF / 15 NET SF	37.40
10J	SERVER	MECHANICAL EQUIPMENT ROOM	358 SF / 300 SF	1.19
11	ELECTRICAL	MECHANICAL EQUIPMENT ROOM	211 SF / 300 SF	0.70
12A	EQUIPMENT	MECHANICAL EQUIPMENT ROOM	45 SF / 300 SF	0.15
12C	STORAGE	STORAGE AREAS	169 SF / 300 SF	0.56
12D	STORAGE	STORAGE AREAS	103 SF / 300 SF	0.34
13	CONFERENCE	ASSEMBLY UNCONCENTRATED (TABLE AND CHAIRS)	411 SF / 15 NET SF	27.38
13A	OFFICE	BUSINESS AREAS	203 SF / 100 SF	2.03
14	OFFICE	BUSINESS AREAS	492 SF / 100 SF	4.92
14C	OFFICE	BUSINESS AREAS	203 SF / 100 SF	2.03
15	OFFICE	BUSINESS AREAS	913 SF / 100 SF	9.13
15A	STORAGE	STORAGE AREAS	164 SF / 300 SF	0.55
15B	OFFICE	BUSINESS AREAS	189 SF / 100 SF	1.89
16	OFFICE	BUSINESS AREAS	1517 SF / 100 SF	15.17
16A	STORAGE	STORAGE AREAS	40 SF / 300 SF	0.13
16B	STORAGE	STORAGE AREAS	151 SF / 300 SF	0.50
18	EQUIPMENT	MECHANICAL EQUIPMENT ROOM	47 SF / 300 SF	0.16
18A	JANITORIAL	BUSINESS AREAS	17 SF / 100 SF	0.17
22	OFFICE	BUSINESS AREAS	588 SF / 100 SF	5.88
22A	STORAGE	STORAGE AREAS	34 SF / 300 SF	0.11
22B	OFFICE	BUSINESS AREAS	151 SF / 100 SF	1.51
22C	OFFICE	BUSINESS AREAS	408 SF / 100 SF	4.08
24	OPERATIONS	ASSEMBLY UNCONCENTRATED (TABLE AND CHAIRS)	2470 SF / 15 NET SF	164.68
24A	EQUIPMENT	MECHANICAL EQUIPMENT ROOM	720 SF / 300 SF	2.40
25	CLASSROOM	EDUCATIONAL CLASSROOM	3113 SF / 20 NET SF	155.68
25A	STORAGE	STORAGE AREAS	147 SF / 300 SF	0.49
25B	STORAGE	STORAGE AREAS	388 SF / 300 SF	1.29
25C	EQUIPMENT	STORAGE AREAS	244 SF / 300 SF	0.81
29	STORAGE	STORAGE AREAS	243 SF / 300 SF	0.81
28	OFFICE	BUSINESS AREAS	1014 SF / 100 SF	10.14
28A	STORAGE	STORAGE AREAS	500 SF / 300 SF	1.67
29	BREAK ROOM	ASSEMBLY UNCONCENTRATED (TABLE AND CHAIRS)	1041 SF / 15 NET SF	69.43
29B	STORAGE KITCHEN	KITCHEN	289 SF / 200 SF	1.45
31	OPERATIONS	COMMERCIAL BUSINESS AREAS	5395 SF / 100 SF	53.95
31B	CONFERENCE	ASSEMBLY UNCONCENTRATED (TABLE AND CHAIRS)	1430 SF / 15 NET SF	95.32
31C	FOTS	BUSINESS AREAS	84 SF / 100 SF	0.84
31D	OFFICE	BUSINESS AREAS	182 SF / 100 SF	1.82
31E	OFFICE	BUSINESS AREAS	176 SF / 100 SF	1.76
31F	OFFICE	BUSINESS AREAS	214 SF / 100 SF	2.14
32	SERVER	MECHANICAL EQUIPMENT ROOM	1271 SF / 300 SF	4.24
33	SERVER	MECHANICAL EQUIPMENT ROOM	2231 SF / 300 SF	7.44
59 BUSINESS (B): 59				792.22
BASEMENT: 59				792.22
TOTALS: 59				792.22

### PLUMBING FIXTURE REQUIREMENTS

GROUP B BUSINESS - BASEMENT				
NUMBER OF OCCUPANTS 793				
MEN 397				
WOMEN 397				
	WC	LAV	URINALS	TUB / SHOWER
MEN - REQUIRED	8.94	5.96	--	
MEN - PROVIDED	4	5	3	
WOMEN - REQUIRED	8.94	5.96	--	
WOMEN - PROVIDED	7	5	--	
DRINKING FOUNTAINS				
REQUIRED	1 PER 100			
PROVIDED				

NOTE: SUMMERIZATION OF REQUIRED AND PROVIDED PLUMBING FIXTURES ON SHEET ACC02



### OCCUPANCY CLASSIFICATION

■ BUSINESS (B)

1 BASEMENT - CODE REVIEW PLAN  
SCALE: 3/8" = 1'-0"

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5698 NW 78TH AVE, JOHNSTON, IA 50131  
ARCHITECTURAL CODE COMPLIANCE

PROJECT NO.: 08320.001

ACC00





SYMBOL LEGEND

Table with 2 columns: Symbol, Description. Includes PLAN VIEW, SECTION / ELEVATION VIEW, TOILET ACCESSORY, EQUIPMENT NUMBER, WINDOW DESIGNATION, DOOR NUMBER, CASEWORK TAG, ROOM NUMBER, REFERENCE DEMOLITION NOTE, REFERENCE NOTE, ROOM / FRAMING ELEVATION, EXTERIOR ELEVATION, PLAN DETAIL, SECTION / DETAIL, NEW COLUMN, EXISTING COLUMN, MATCHLINE, LEVEL, TITLE MARKER, NORTH ARROW.

ABBREVIATIONS

Table with 2 columns: Abbreviation, Full Name. Lists various construction and architectural terms and their corresponding abbreviations.

GENERAL DEMO NOTES

1. THE DEMOLITION PLANS WERE PRODUCED BY DUPLICATING THE ORIGINAL DRAWINGS PROVIDED BY THE OWNER AND LIMITED FIELD VERIFICATION. DIMENSIONS AND EXISTING CONDITIONS ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS. ITEMS WHICH ARE INTENDED TO BE REMOVED, RELOCATED, OR SALVAGED ARE SHOWN AS FULL-TONE DASHED LINES AND ARE LISTED IN THE REFERENCED DEMOLITION NOTES. ALL OTHER ITEMS ARE INTENDED TO REMAIN IN PLACE AND ARE SHOWN HALF-TONE.

GENERAL NOTES

A. EXISTING CONDITIONS ARE BASED ON DRAWINGS PROVIDED BY THE OWNER AND LIMITED FIELD VERIFICATION. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AND NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES OR VARIATIONS FROM THOSE SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL ADJUST TO ACTUAL FIELD CONDITIONS AT NO ADDITIONAL EXPENSE TO THE OWNER.

REF. DEMO NOTES (OX)

Table with 2 columns: Ref. Demo Note, Description. Lists specific demolition items and their locations, such as plumbing fixtures, mirrors, and electrical components.

REF. NOTES (X)

Table with 2 columns: Ref. Note, Description. Lists specific notes and items to be installed or removed, such as lumber, brackets, and partitions.

ARCHITECTURAL SHEET LIST

Table with 2 columns: Sheet Number, Description. Lists architectural sheets including cover sheets, code compliance sheets, and various elevation and plan sheets.

Vertical sidebar containing project information: IOWA ARMY NATIONAL GUARD, BUILDING A-1 RENOVATE LATRINES, CONTRACT NO.: C322A1047, PROJECT NO.: 19083795, 5698 NW 78TH AVE, JOHNSTON, IA 50131. Includes Schemmer logo and '100% TYPE B SUBMITTAL' text.

Vertical text on the far left edge: C:\Users\shannon\Documents\Revit... 7/15/2024 12:28:10 PM



**CONSTRUCTION PHASING / STAGING NOTES:**  
 SCHEDULE CONSTRUCTION TO AVOID TAKING ENTIRE FLOORS OF RESTROOMS OUT OF BUILDING OCCUPANT USE. STAGE CONSTRUCTION ACTIVITY TO HAVE HALL RESTROOMS / LATRINES COMPLETED AT DIFFERENT TIMES THAN THE CORE RESTROOMS / LATRINES. COORDINATE WITH THE OWNER FOR EXACT SCHEDULING WHEN CONSTRUCTION BEGINS.

BASE BID & ALTERNATES	
<b>BASE BID:</b>	CORE LATRINES ON ALL FLOORS - LATRINE MALE 17 - LATRINE FEMALE 21 - LATRINE FEMALE 104 - LATRINE MALE 203 - LATRINE FEMALE 223 - LATRINE MALE 224
<b>ALTERNATE #1:</b>	HALL LATRINES ON ALL FLOORS IN THE NORTH WING - LATRINE MALE 02 - LATRINE FEMALE 08 - LATRINE MALE 104 - LATRINE FEMALE 111 - LATRINE MALE 203 - LATRINE FEMALE 249
<b>ALTERNATE #2:</b>	HALL LATRINES ON ALL FLOORS IN THE SOUTH WING - LATRINE MALE 133 - LATRINE FEMALE 140 - LATRINE MALE 203 - LATRINE FEMALE 217

1 SCOPE OF WORK - BASEMENT  
 SCALE: 1" = 20'-0"



2 SCOPE OF WORK - FIRST FLOOR  
 SCALE: 1" = 20'-0"



SCOPE OF WORK  
 ■ SCOPE OF WORK

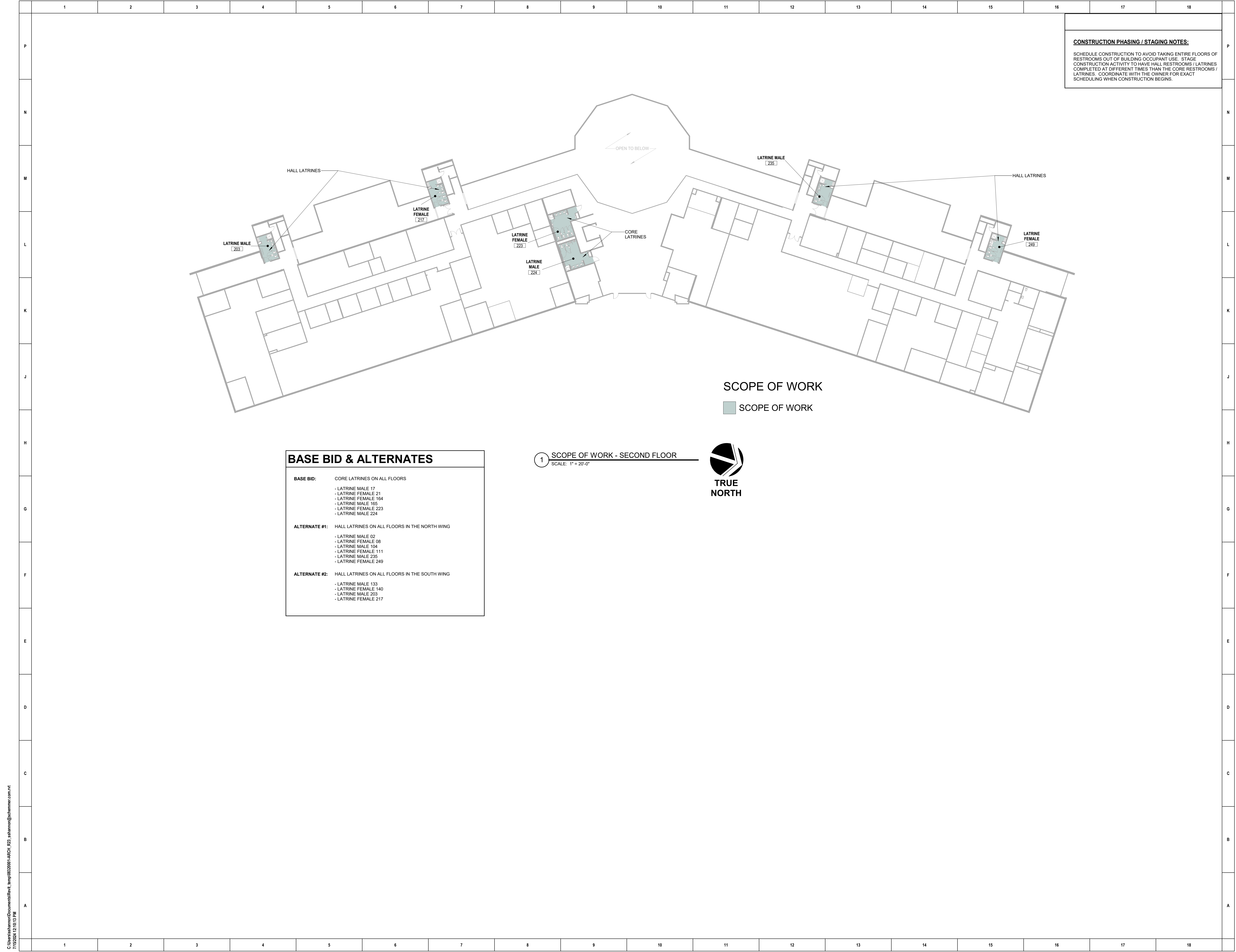
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BY:	DESCRIPTION:	

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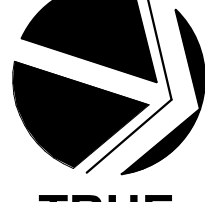
IOWA ARMY NATIONAL GUARD  
 BUILDING A-1 RENOVATE LATRINES  
 CONTRACT NO.: C322A1047 PROJECT NO.: 19083795  
 5698 NW 78TH AVE, JOHNSTON, IA 50131  
 SCOPE OF WORK - BASEMENT & FIRST FLOOR  
 PROJECT NO.: 08320.001

A001



**CONSTRUCTION PHASING / STAGING NOTES:**  
 SCHEDULE CONSTRUCTION TO AVOID TAKING ENTIRE FLOORS OF RESTROOMS OUT OF BUILDING OCCUPANT USE. STAGE CONSTRUCTION ACTIVITY TO HAVE HALL RESTROOMS / LATRINES COMPLETED AT DIFFERENT TIMES THAN THE CORE RESTROOMS / LATRINES. COORDINATE WITH THE OWNER FOR EXACT SCHEDULING WHEN CONSTRUCTION BEGINS.

BASE BID & ALTERNATES	
<b>BASE BID:</b>	CORE LATRINES ON ALL FLOORS - LATRINE MALE 17 - LATRINE FEMALE 21 - LATRINE FEMALE 164 - LATRINE MALE 165 - LATRINE FEMALE 223 - LATRINE MALE 224
<b>ALTERNATE #1:</b>	HALL LATRINES ON ALL FLOORS IN THE NORTH WING - LATRINE MALE 02 - LATRINE FEMALE 08 - LATRINE MALE 104 - LATRINE FEMALE 111 - LATRINE MALE 235 - LATRINE FEMALE 249
<b>ALTERNATE #2:</b>	HALL LATRINES ON ALL FLOORS IN THE SOUTH WING - LATRINE MALE 133 - LATRINE FEMALE 140 - LATRINE MALE 203 - LATRINE FEMALE 217

1 SCOPE OF WORK - SECOND FLOOR  
 SCALE: 1" = 20'-0"  
  
**TRUE NORTH**

DESIGNED:	ISSUE DATE:	07/18/2024
DRAWN:	REVISIONS:	
CHECKED:	NO.:	
DESIGNED BY:	DATE:	
DRAWN BY:	DATE:	
CHECKED BY:	DATE:	

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 5698 NW 78TH AVE., JOHNSTON, IA 50131  
**SCOPE OF WORK - SECOND FLOOR**

PROJECT NO.: 08320.001

**A002**



- REF. DEMO NOTES (DX):**
- D1 REMOVE PLUMBING FIXTURE AND ASSOCIATED FLUSH VALVE AND PIPING
  - D2 REMOVE PLUMBING FIXTURE AND CAP PIPES
  - D3 REMOVE LAVATORY, COUNTERTOP, WOOD UNDERLAYMENT, AND METAL SUPPORT BRACKETS
  - D4 SALVAGE TOILET PAPER DISPENSERS; REMOVE TOILET PARTITION AND ALL OTHER ACCESSORIES ATTACHED TO PARTITION UNLESS OTHERWISE NOTED
  - D5 EXISTING MIRROR TO REMAIN
  - D6 REMOVE MIRROR
  - D7 REMOVE MOP SINK; SEE PLUMBING
  - D8 REMOVE BENCH SEAT PLANKS; METAL BRACKETS TO REMAIN
  - D9 REMOVE SHOWER CURTAIN ROD AND FASTENERS
  - D10 REMOVE ALL HATICOAT HOOKS AND FASTENERS IN SHOWER AREA
  - D11 SALVAGE PAPER TOWEL DISPENSER
  - D12 REMOVE FLOOR TILE AND BASE IN ENTIRETY OF ROOM
  - D13 REMOVE FLOOR TILE AND BASE IN ENTIRETY OF ROOM, WITH CARE IN RESPECT TO EXISTING CONCRETE SLAB AND EMBEDDED RADIANT FLOOR SYSTEM
  - D14 SEE MECHANICAL FOR REINSTALLATION OF RADIANT UNIT; SALVAGE COVER FOR REPAINTING
  - D15 EXISTING SHOWER UNIT TO REMAIN
  - D16 EXISTING GRAB BAR ON CMU WALL TO REMAIN
  - D17 EXISTING SHARPS DISPOSAL TO REMAIN
  - D18 EXISTING RECESSED SANITARY NAPKIN DISPENSER TO REMAIN
  - D20 SALVAGED SOAP DISPENSER
  - D21 EXISTING SOAP DISPENSER TO REMAIN
  - D22 EXISTING SURFACE MOUNTED PAPER TOWEL DISPENSER TO REMAIN
  - D23 REMOVE RECESSED PAPER TOWEL DISPENSER AND WASTE DISPOSAL
  - D24 EXISTING LOCKERS TO BE REMOVED BY OWNER IF STILL PRESENT
  - D25 REMOVE GRAB BAR

DESIGNED:	ISSUE DATE:	07/16/2024
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**ENLARGED DEMO PLANS**

PROJECT NO.: 08320.001

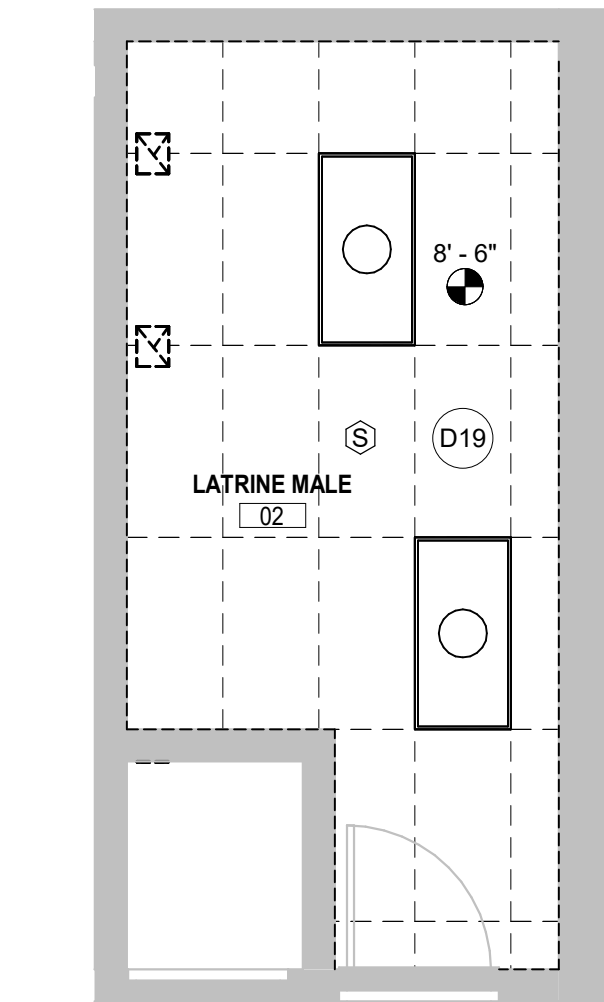
**A003**

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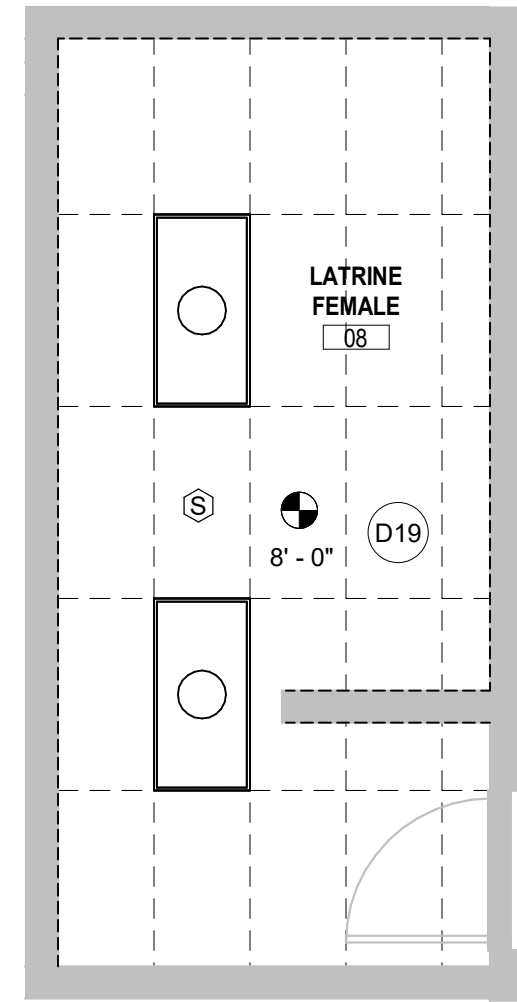


**REF. DEMO NOTES (DX):**

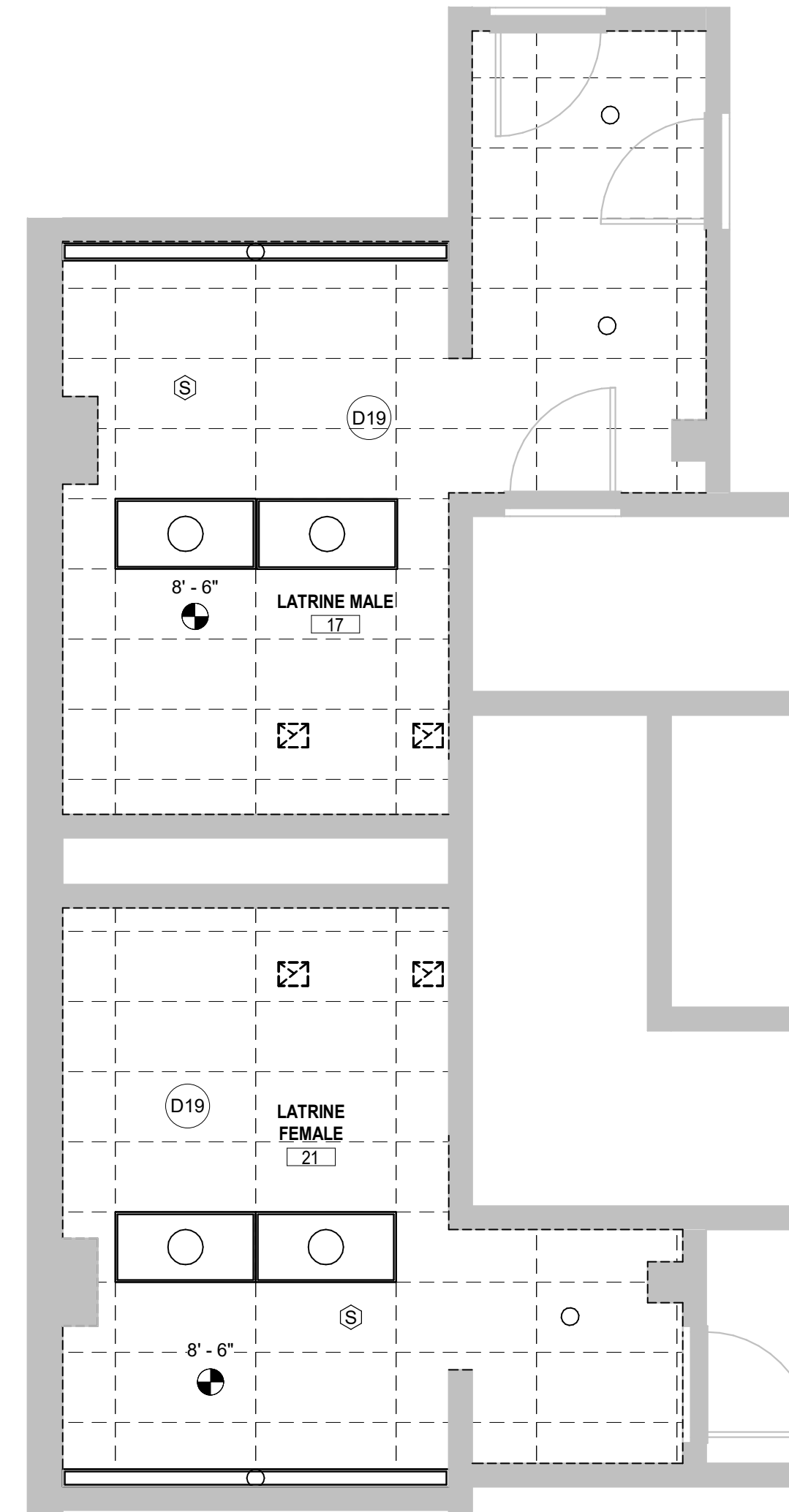
**D19** REMOVE CEILING GRID, ACOUSTICAL TILE, AND ALL ASSOCIATED HANGERS; ALL REMOVED CEILINGS SHOWN WITH DASHED LINES



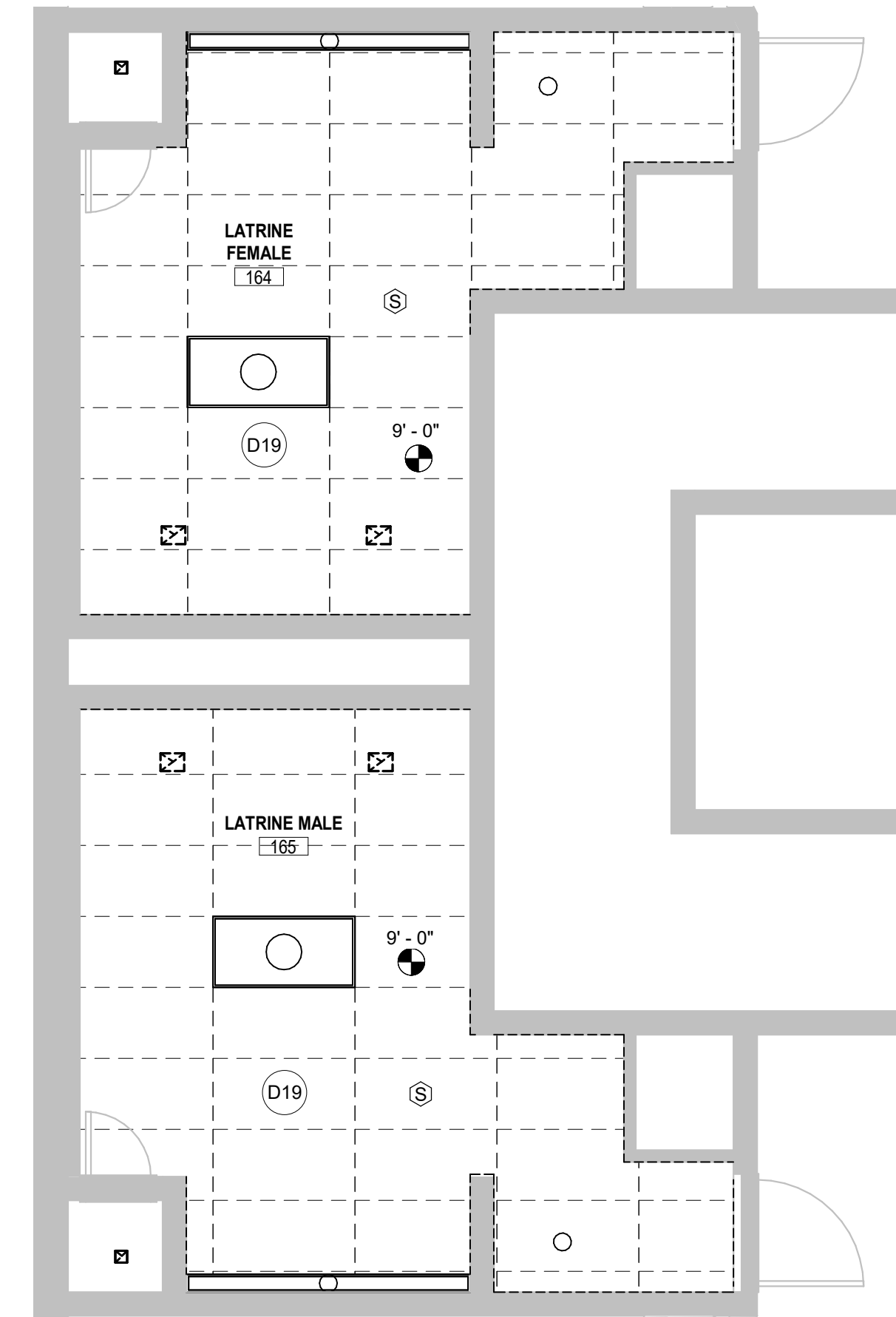
**1** BASEMENT DEMO RCP - 02 LATRINE MALE  
SCALE: 1/4" = 1'-0"



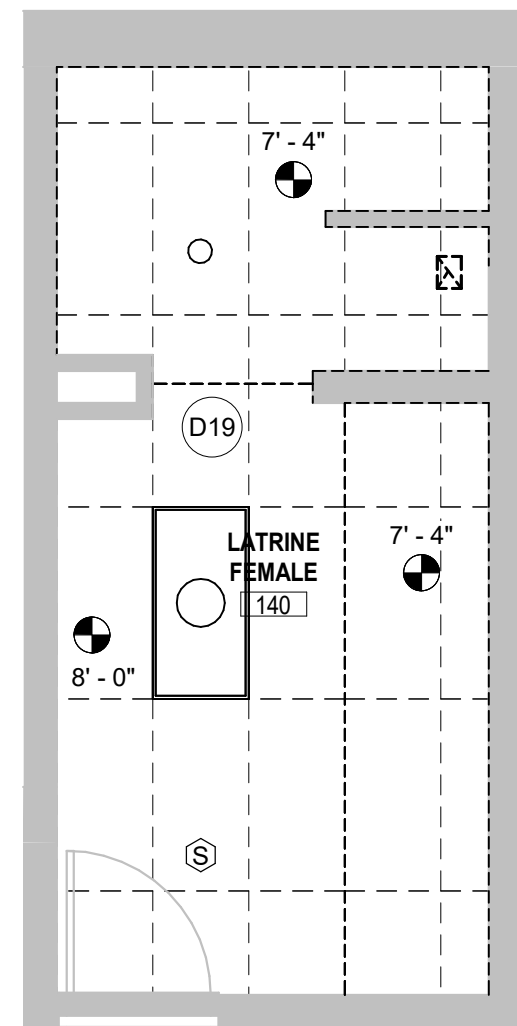
**2** BASEMENT DEMO RCP - 08 LATRINE FEMALE  
SCALE: 1/4" = 1'-0"



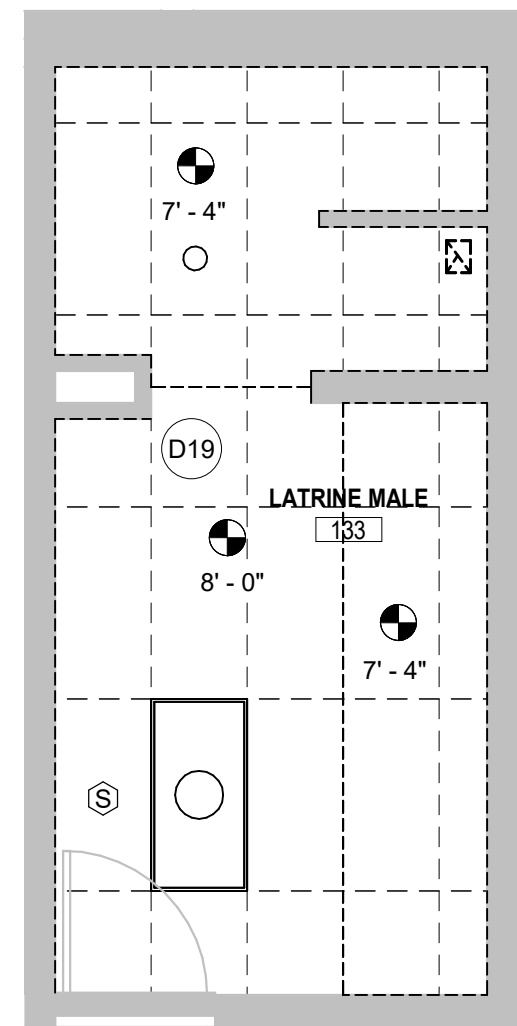
**3** BASEMENT DEMO RCP - 17 LATRINE MALE & 21 LATRINE FEMALE  
SCALE: 1/4" = 1'-0"



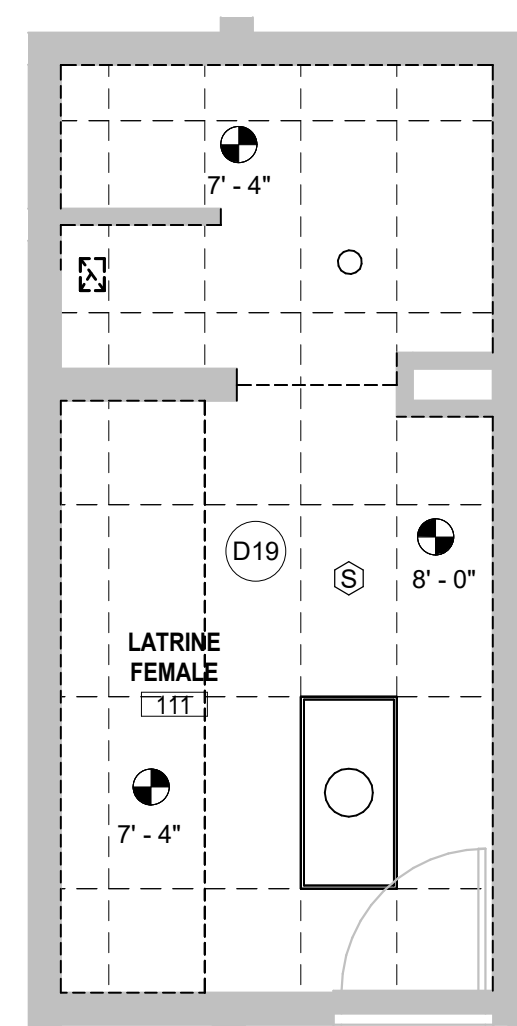
**4** FIRST FLOOR DEMO RCP - 164 LATRINE MALE & 165 LATRINE FEMALE  
SCALE: 1/4" = 1'-0"



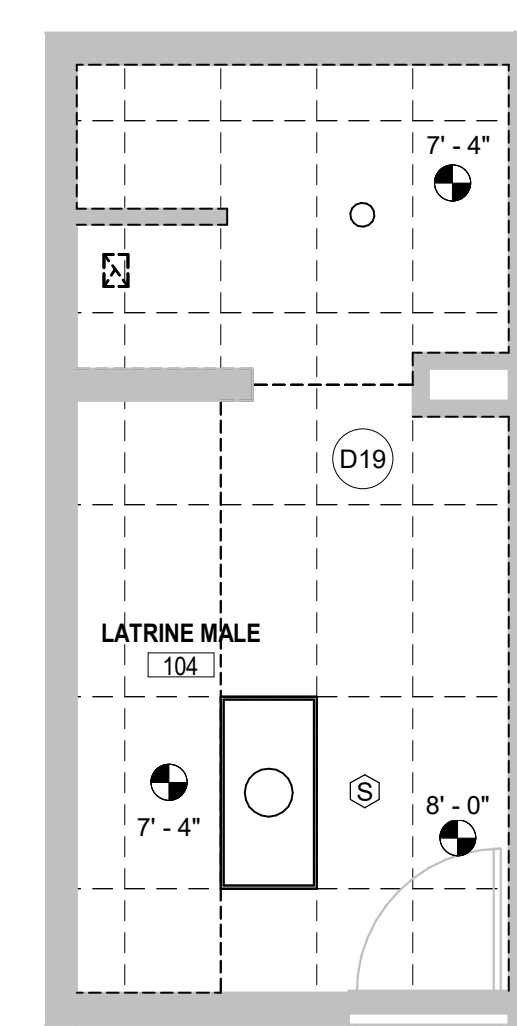
**5** FIRST FLOOR DEMO RCP - 140 LATRINE FEMALE  
SCALE: 1/4" = 1'-0"



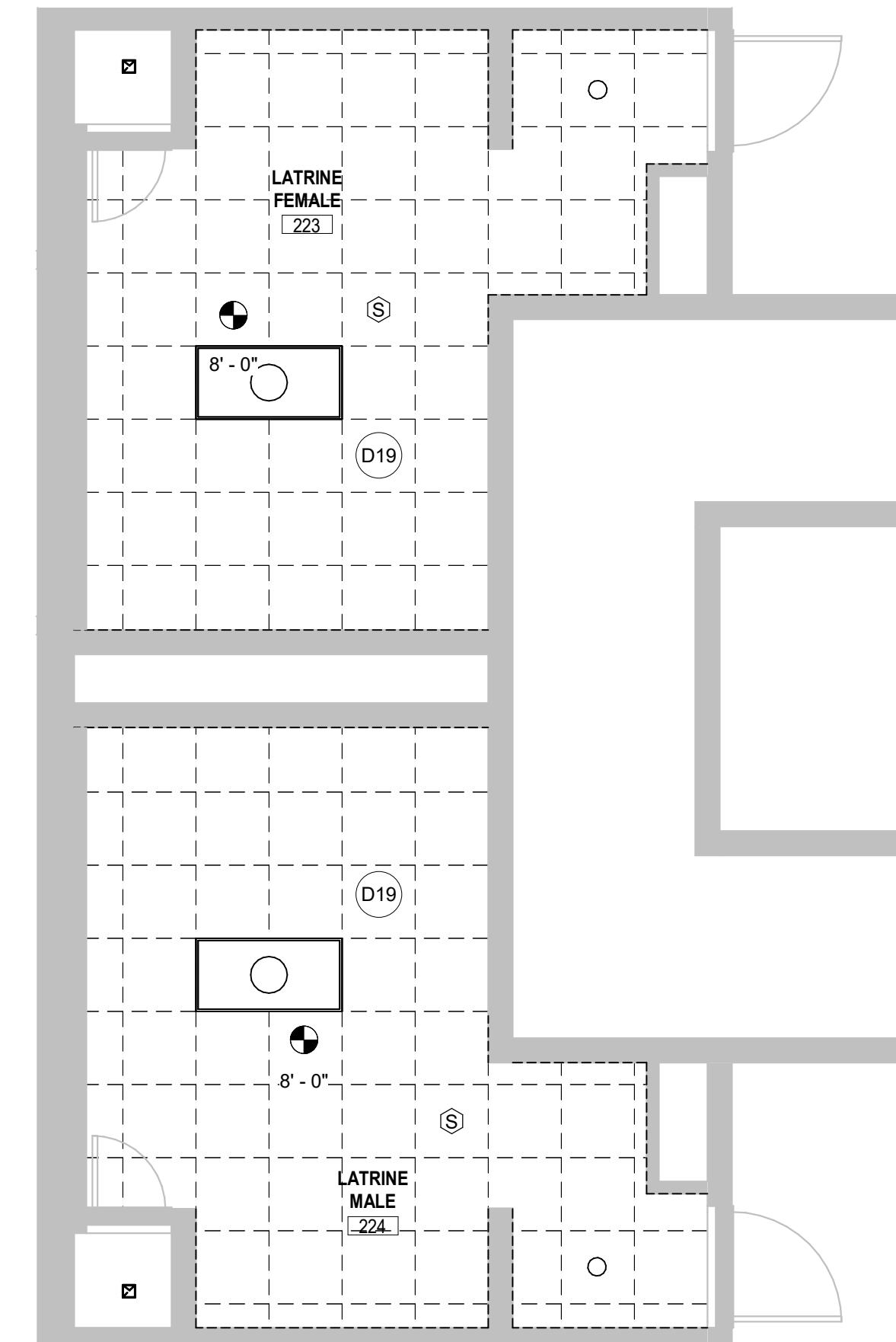
**6** FIRST FLOOR DEMO RCP - 133 LATRINE MALE  
SCALE: 1/4" = 1'-0"



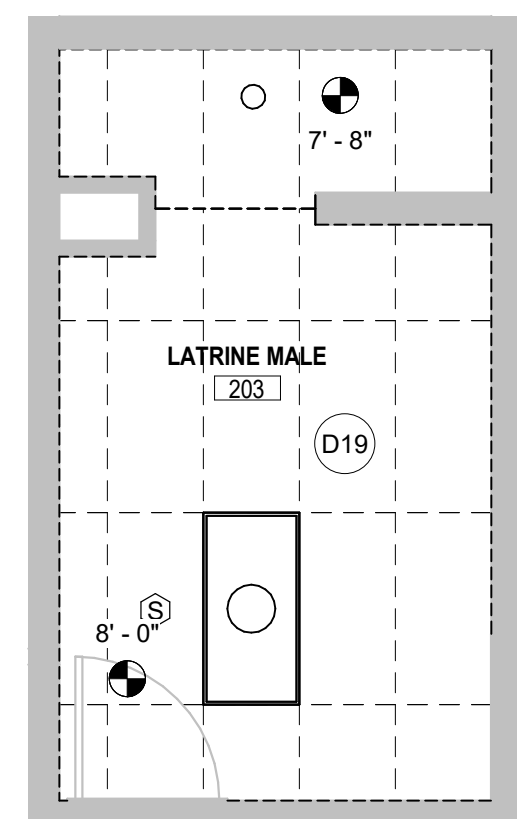
**7** FIRST FLOOR DEMO RCP - 111 LATRINE FEMALE  
SCALE: 1/4" = 1'-0"



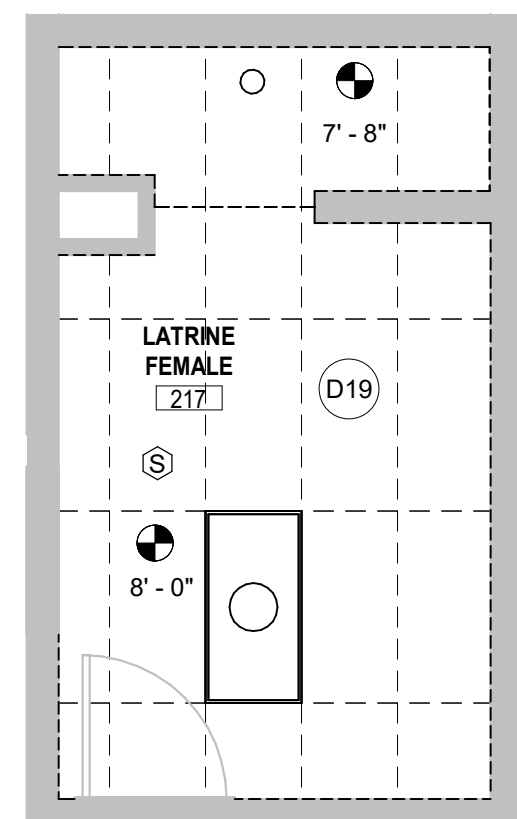
**8** FIRST FLOOR DEMO RCP - 104 LATRINE MALE  
SCALE: 1/4" = 1'-0"



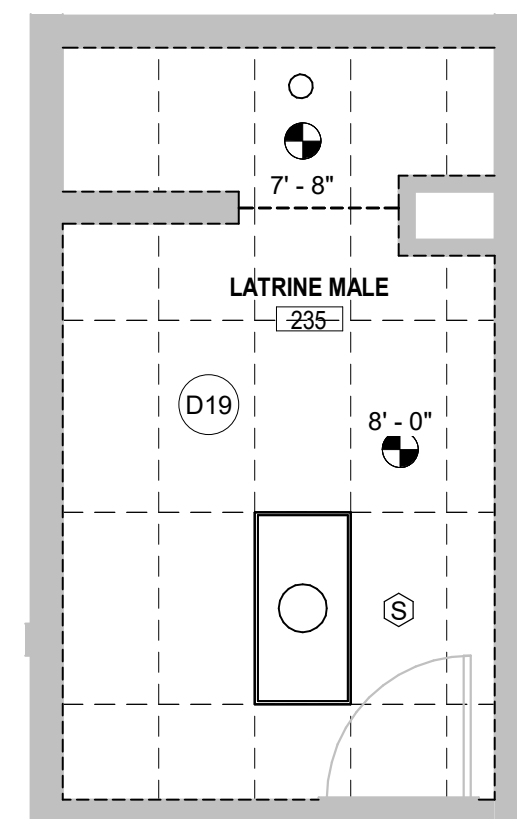
**13** SECOND FLOOR DEMO RCP - 223 LATRINE FEMALE & 224 LATRINE MALE  
SCALE: 1/4" = 1'-0"



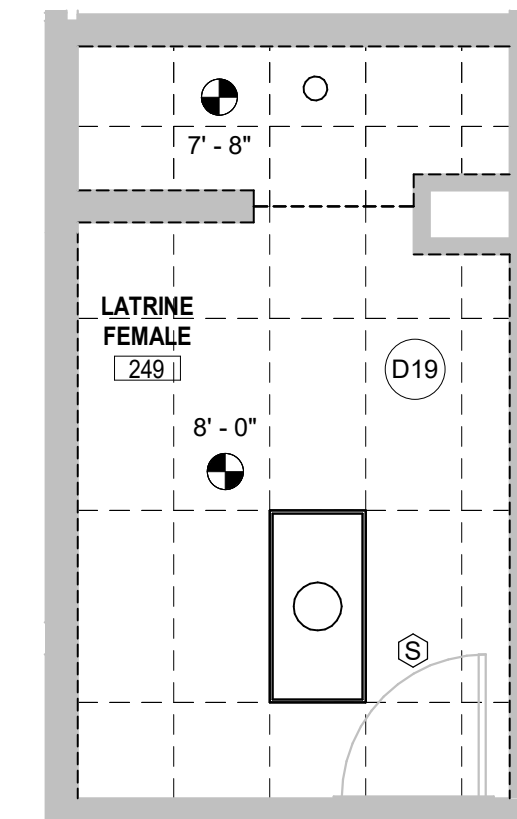
**9** SECOND FLOOR DEMO RCP - 203 LATRINE MALE  
SCALE: 1/4" = 1'-0"



**10** SECOND FLOOR DEMO RCP - 217 LATRINE FEMALE  
SCALE: 1/4" = 1'-0"



**11** SECOND FLOOR DEMO RCP - 235 LATRINE MALE  
SCALE: 1/4" = 1'-0"



**12** SECOND FLOOR DEMO RCP - 249 LATRINE FEMALE  
SCALE: 1/4" = 1'-0"

DESIGNED:	ISSUE DATE:	07/12/2024
DRAWN:	REVISIONS:	
CHECKED:	NO.:	
DESIGNER:	AUTHOR:	
	DATE:	
	BY:	
	DESCRIPTION:	

**100% TYPE B SUBMITTAL**

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Design with Purpose. Build with Confidence.

**IOWA ARMY NATIONAL GUARD**  
BUILDING A-1 RENOVATE LATRINES  
CONTRACT NO.: C322A1047 PROJECT NO.: 19083795  
5698 NW 78TH AVE, JOHNSTON, IA 50131  
**ENLARGED DEMO REFLECTED CEILING PLAN**

PROJECT NO.: 08320.001

**A004**

FINISH KEY			
KEY	PRODUCT	BRAND	COLOR/PATTERN
1 FLOOR FINISH			
PT-1	PORCELAIN TILE	DALTILE	TILE: REVERB ASH VL74; MONOLITHIC; GROUT: #11 SAHARA BEIGE; MATCHING 6x12 COVE BASE
2 COUNTERTOP			
SS-1	SOLID SURFACE	CORIAN	CAMEO WHITE
3 TOILET PARTITIONS			
TP-1	TOILET PARTITIONS	GENERAL PARTITIONS	236 STERLING
4 CEILING			
ACT-1	ACOUSTIC CEILING TILE & GRID SYSTEM	USG	FROST, 2' x 2', SQUARE REGULAR EDGE, WHITE; 15/16" GRID, WHITE
5 BENCH PLANKS			
PK-1	SHOWER BENCH PLANK	TANGENT SUSTAINABLE LUMBER	PROFILE: 2x4BN W/ 1/4" GAPS, COLOR: LIGHT GRAY

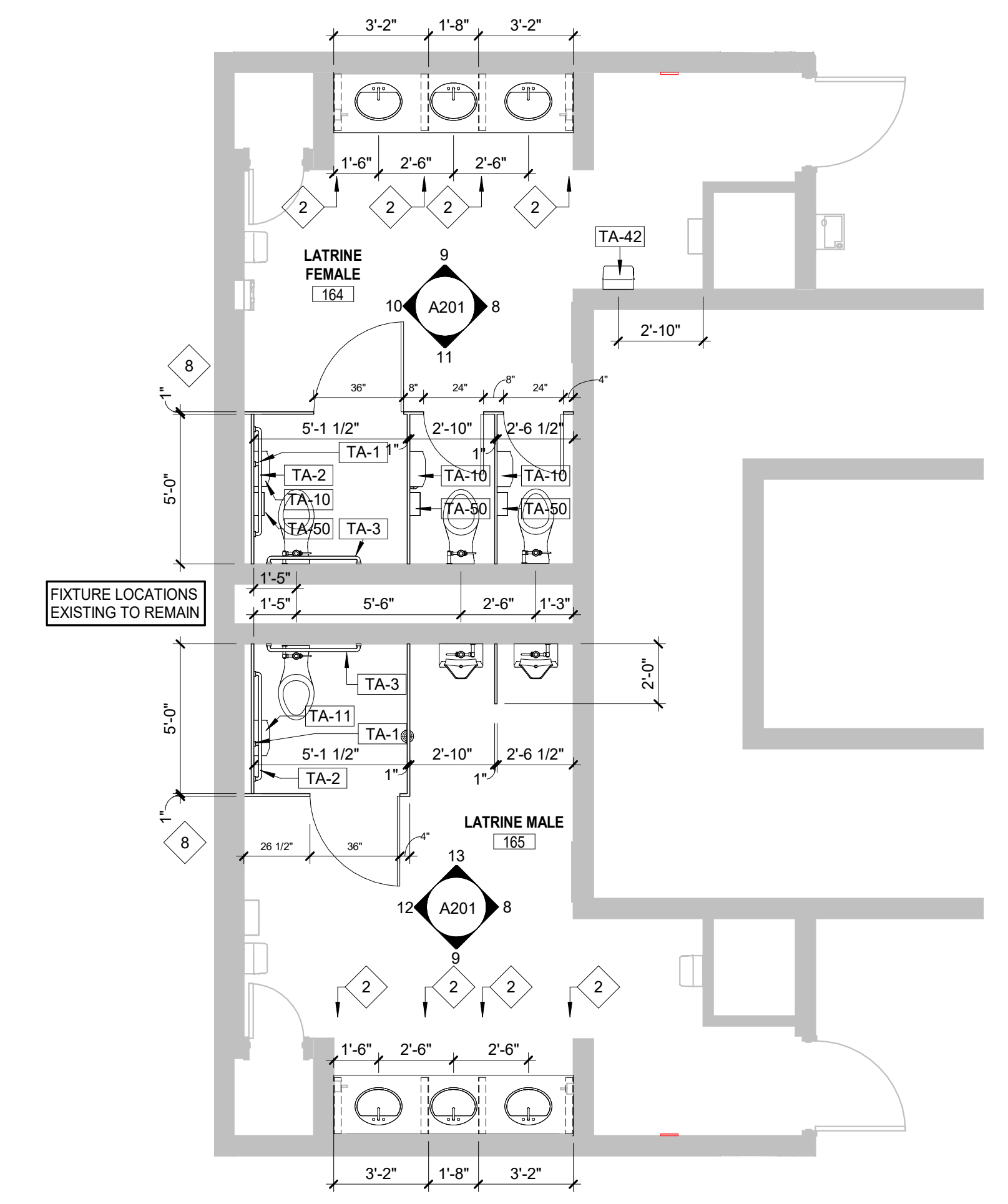
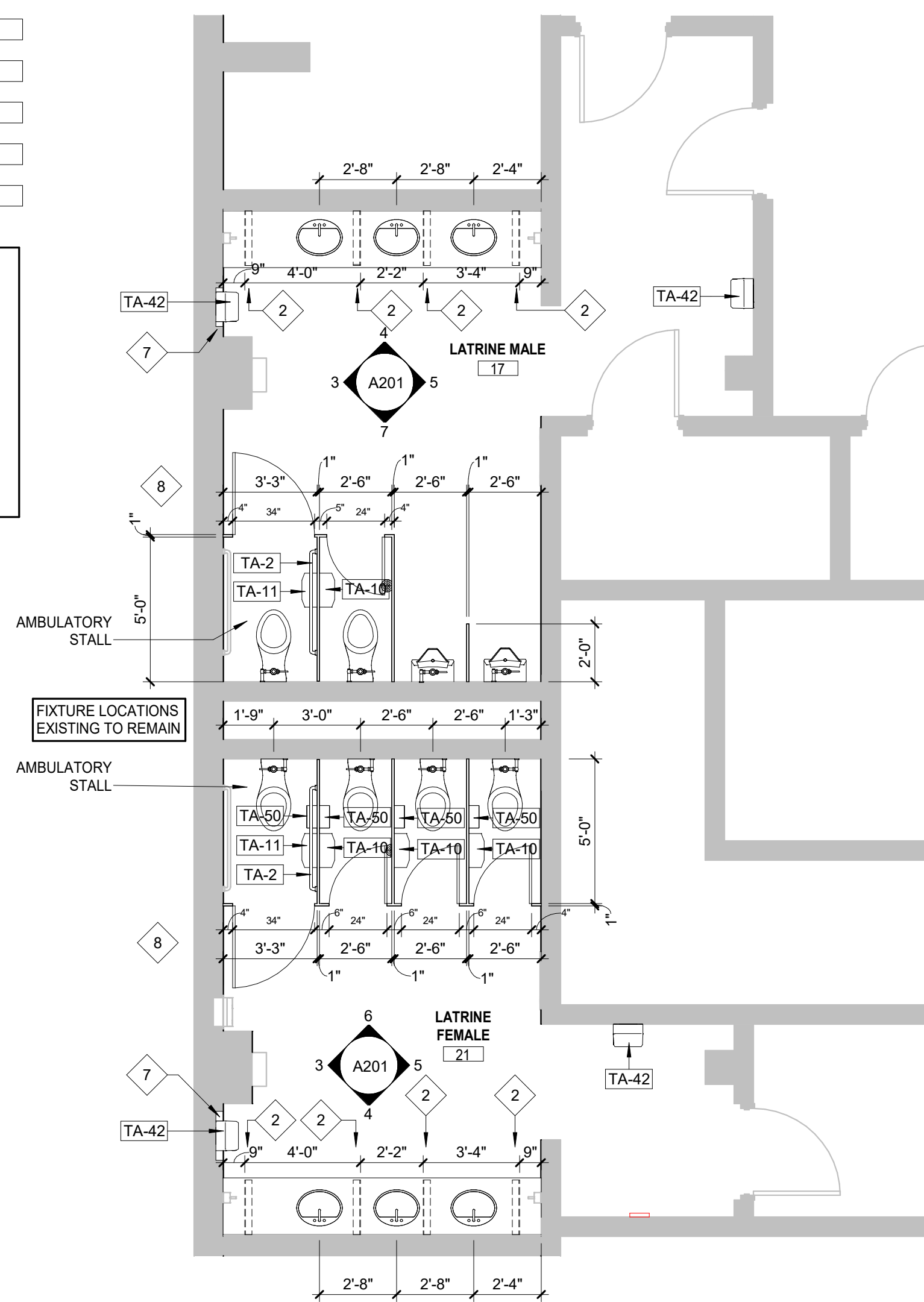
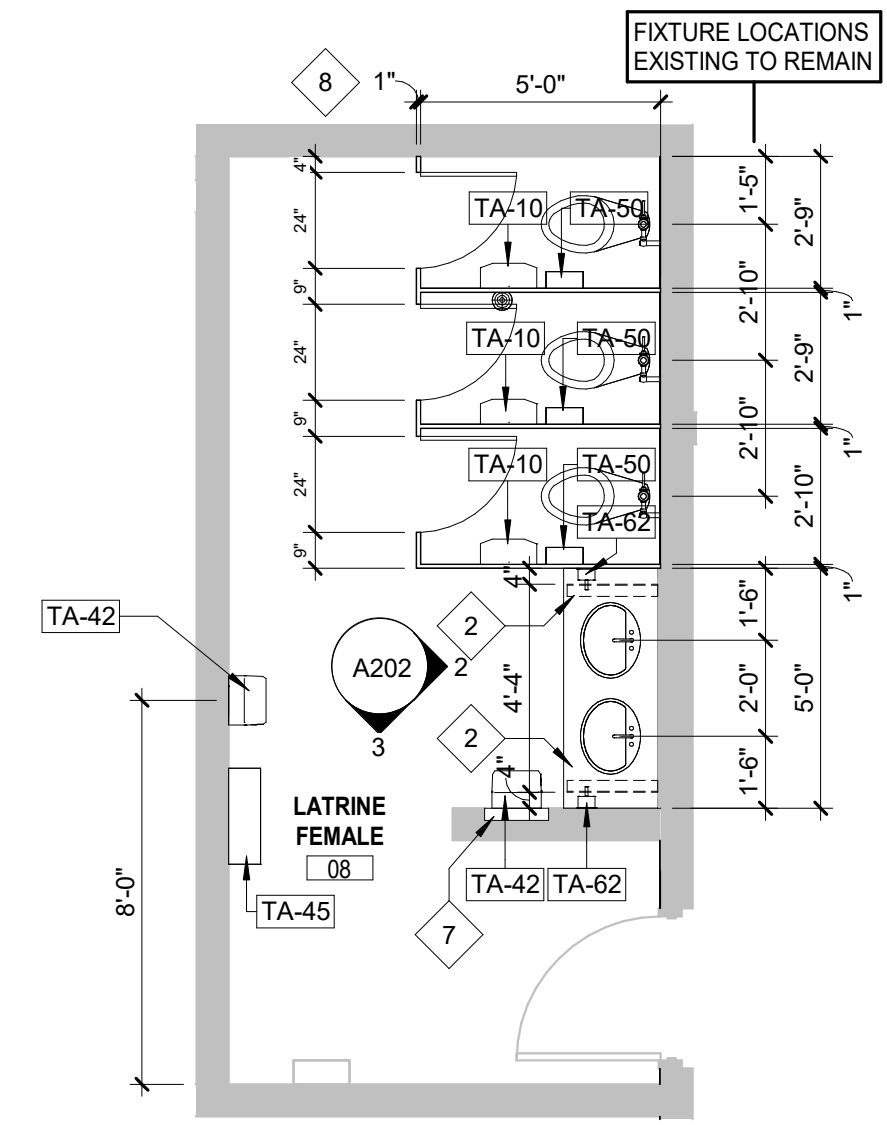
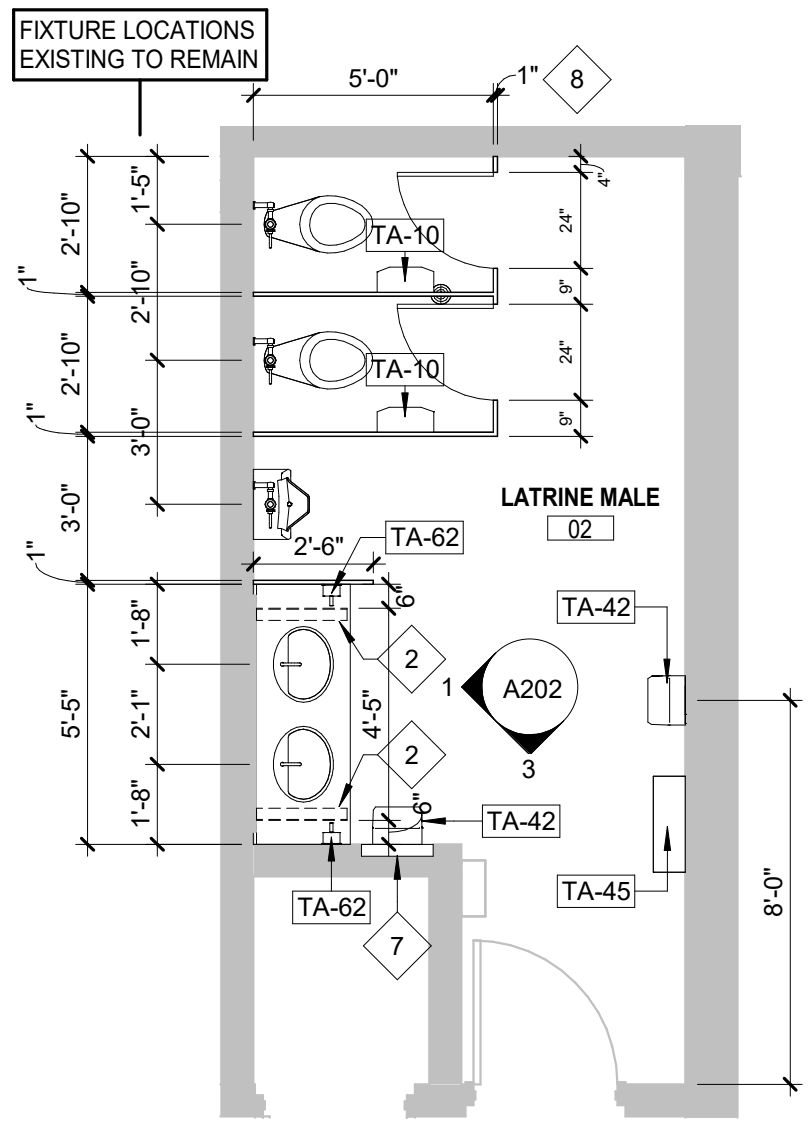
- GENERAL FLOOR PLAN NOTES:
- ALL ACCESSORIES NOT KEYNOTED SHALL BE CONSIDERED EXISTING TO REMAIN. TEMPORARILY PROTECT AND/OR REINSTALL IF NECESSARY DURING CONSTRUCTION ACTIVITIES.
  - PATCH EXISTING CMU FROM REMOVED FASTENERS FROM DEMOLITION. PATCHES SHALL BE FORMULATED TO MATCH THE FINISH OF THE EXISTING CMU.
  - SPOT CLEANING AND/OR RESEALING PATCHED CMU BLOCK WALL AS NEEDED.
  - INSTALL SHOWER AREA COAT HOOK AND CURTAIN ROD IN THE SAME LOCATIONS (WHERE EXISTING ITEM REMOVED) TO AVOID NEW HOLES INTO CMU WALLS.
  - WATER CLOSET AND URINAL LOCATIONS ARE SUBJECT TO EXISTING SERVICE AND CONNECTION LOCATIONS. PARTITIONS AND COUNTERTOPS SHALL BE INSTALLED AS SHOWN DESPITE THE EXISTING FIXTURE LOCATIONS. VANITIES TO BE PLACED ACCORDING TO NEW DIMENSIONED DESIGN.
  - NEW COAT HOOKS SHALL BE USED IN THE NEW DESIGN IN THE SIMILAR MANNER IN WHICH THEY WERE USED IN THEIR PREVIOUS LOCATIONS.

**REF. NOTES (X):**

- HOPE POLY LUMBER BENCH PLANK INSTALLED ABOVE EXISTING METAL BRACKET
- ADA VANITY BRACKET BELOW
- NEW CURTAINS
- EXISTING RADIANT UNIT. REMOVE COVER, SHOP REPAIR, AND THEN REINSTALL
- PREP, PAINT, & SEAL ALL TRIM AROUND SHOWERS
- RECESSED NICHE WITH SOLID SURFACE
- NEW TOILET PARTITIONS AND PARTITION DOORS

**TOILET ACCESSORIES (TA-X):**

NUMBER	DESCRIPTION
TA-1	VERTICAL 18" GRAB BAR
TA-2	HORIZONTAL 42" GRAB BAR
TA-3	SURFACE MOUNTED TOILET PAPER DISPENSER (TRIPLE ROLL)
TA-11	SURFACE MOUNTED TOILET PAPER DISPENSER (TRIPLE ROLL)
TA-35	NEW MIRROR, FULL WIDTH OF COUNTERTOP; MATCH HEIGHT & THICKNESS OF SIMILAR FULL MIRRORS IN BASEMENT
TA-35	NEW MIRROR, FULL WIDTH OF COUNTERTOP; MATCH HEIGHT & THICKNESS OF SIMILAR FULL MIRRORS IN BASEMENT
TA-42	SURFACE MOUNTED MOTORIZED PAPER TOWEL DISPENSER
TA-45	8"X24" STAINLESS STEEL SHELF
TA-47	HAT/COAT HOOK
TA-49	SHOWER CURTAIN ROD
TA-50	SURFACE MOUNTED SANITARY NAPKIN DISPOSAL
TA-62	WALL MOUNTED MANUAL SOAP DISPENSER

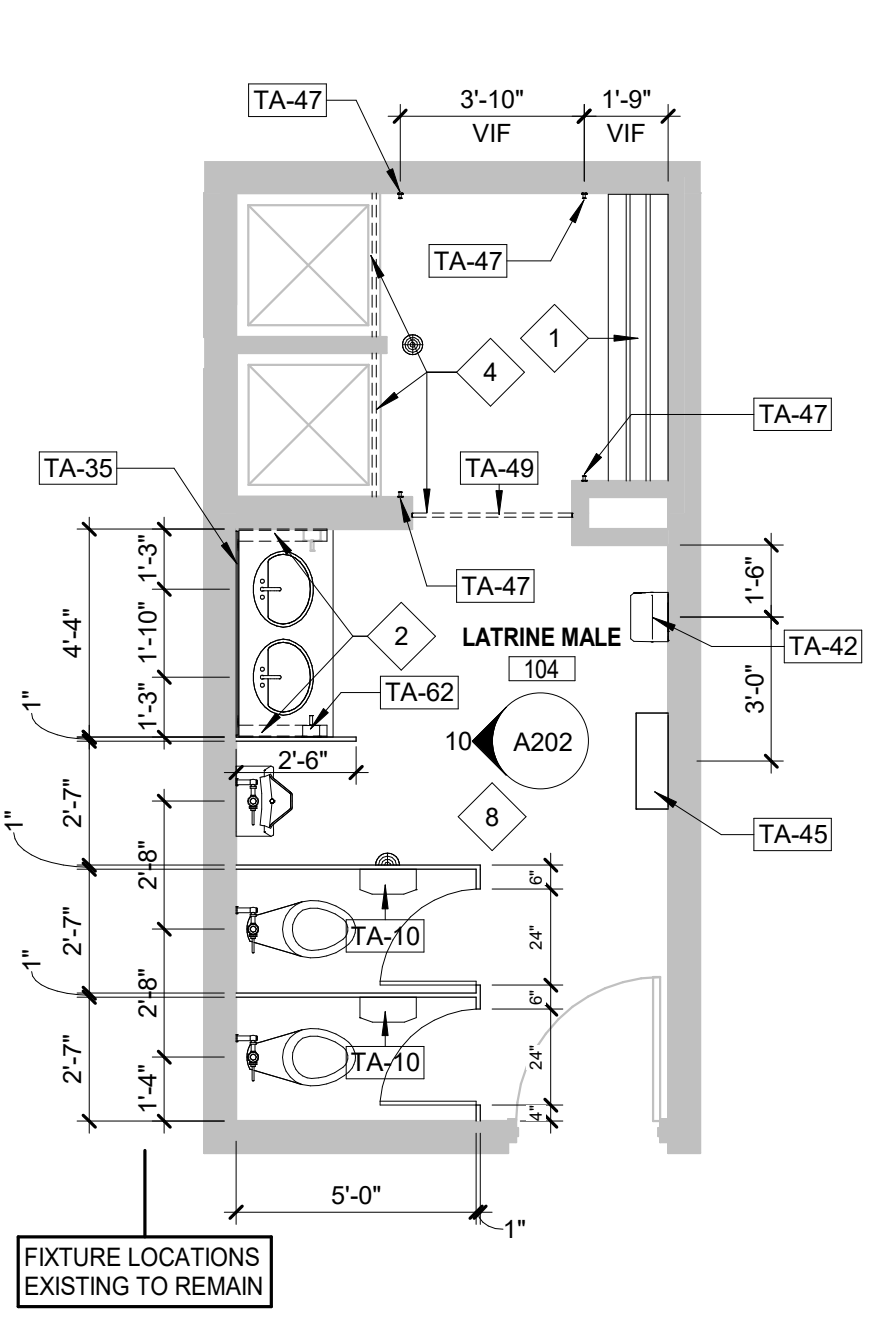
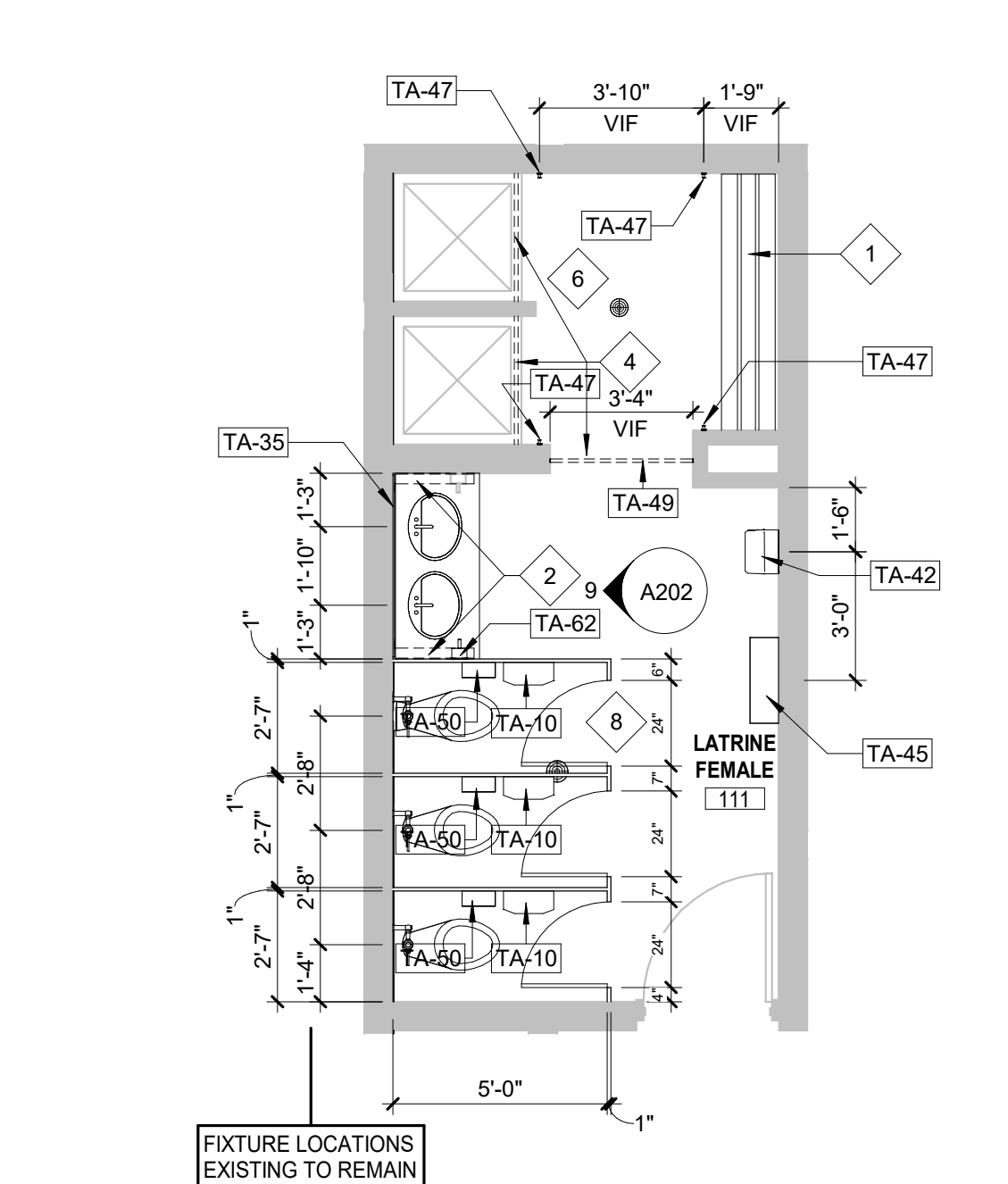
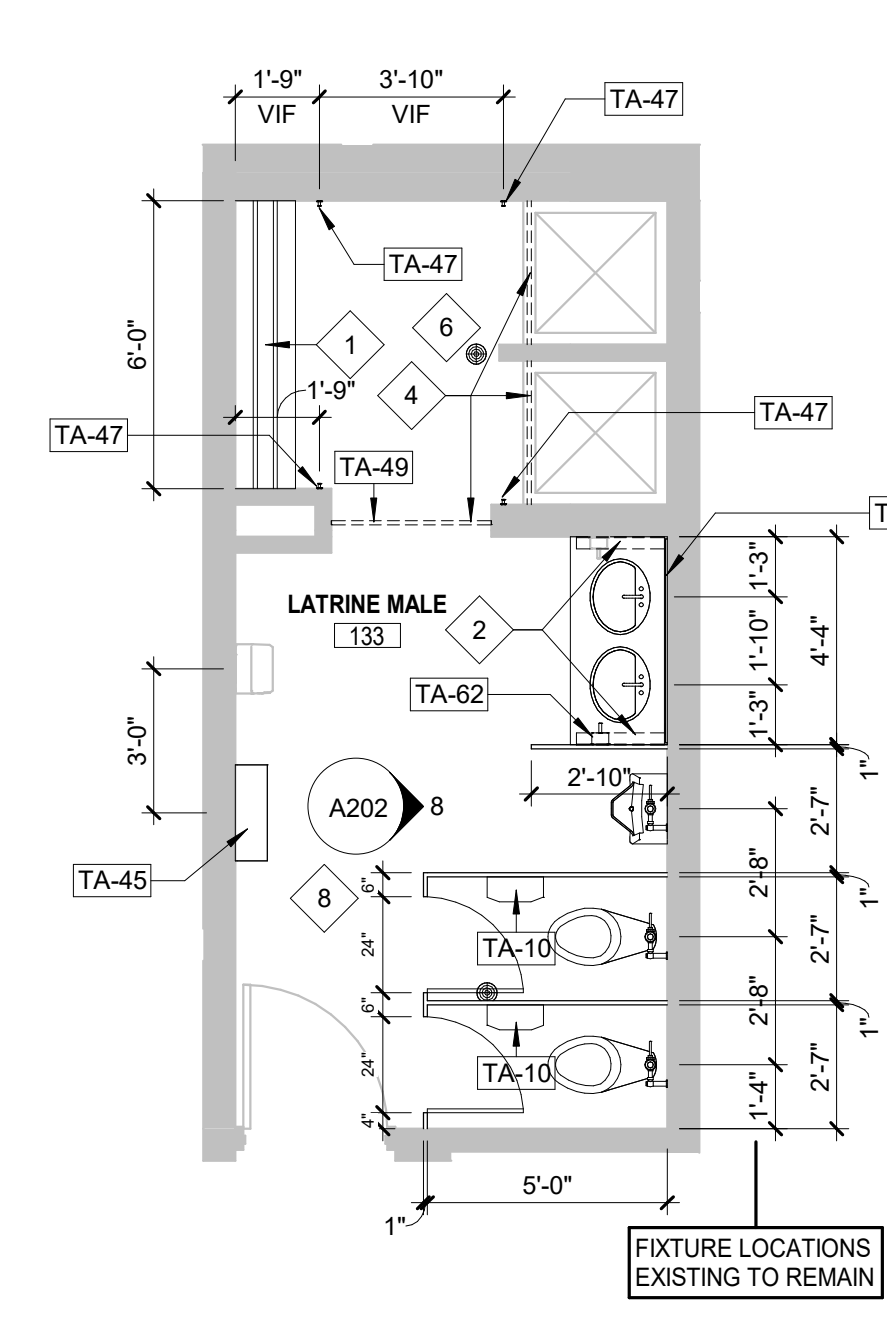
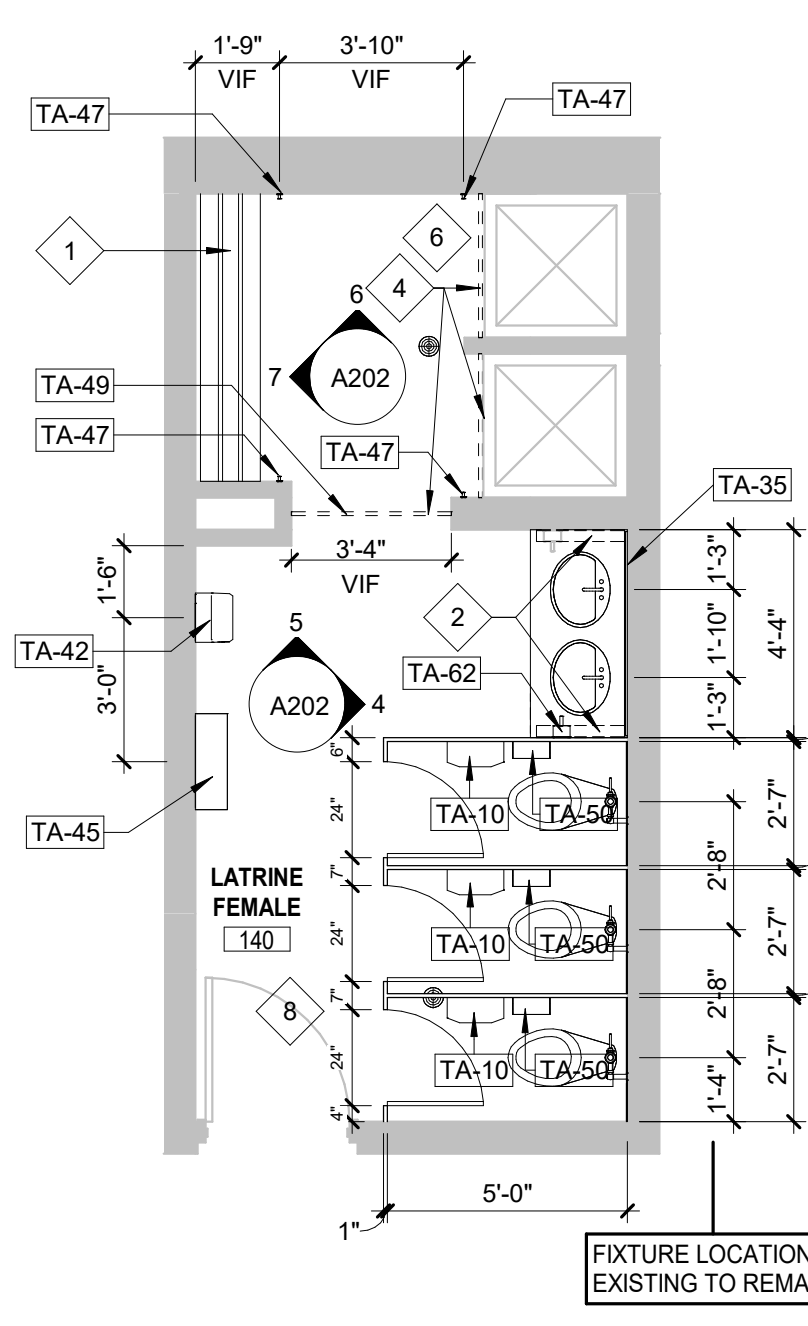


**1 BASEMENT FLOOR PLAN - 02 LATRINE MALE**  
SCALE: 1/4" = 1'-0"

**2 BASEMENT FLOOR PLAN - 08 LATRINE FEMALE**  
SCALE: 1/4" = 1'-0"

**3 BASEMENT FLOOR PLAN - 17 LATRINE MALE & 21 LATRINE FEMALE**  
SCALE: 1/4" = 1'-0"

**4 FIRST FLOOR PLAN - 164 LATRINE FEMALE & 165 LATRINE MALE**  
SCALE: 1/4" = 1'-0"

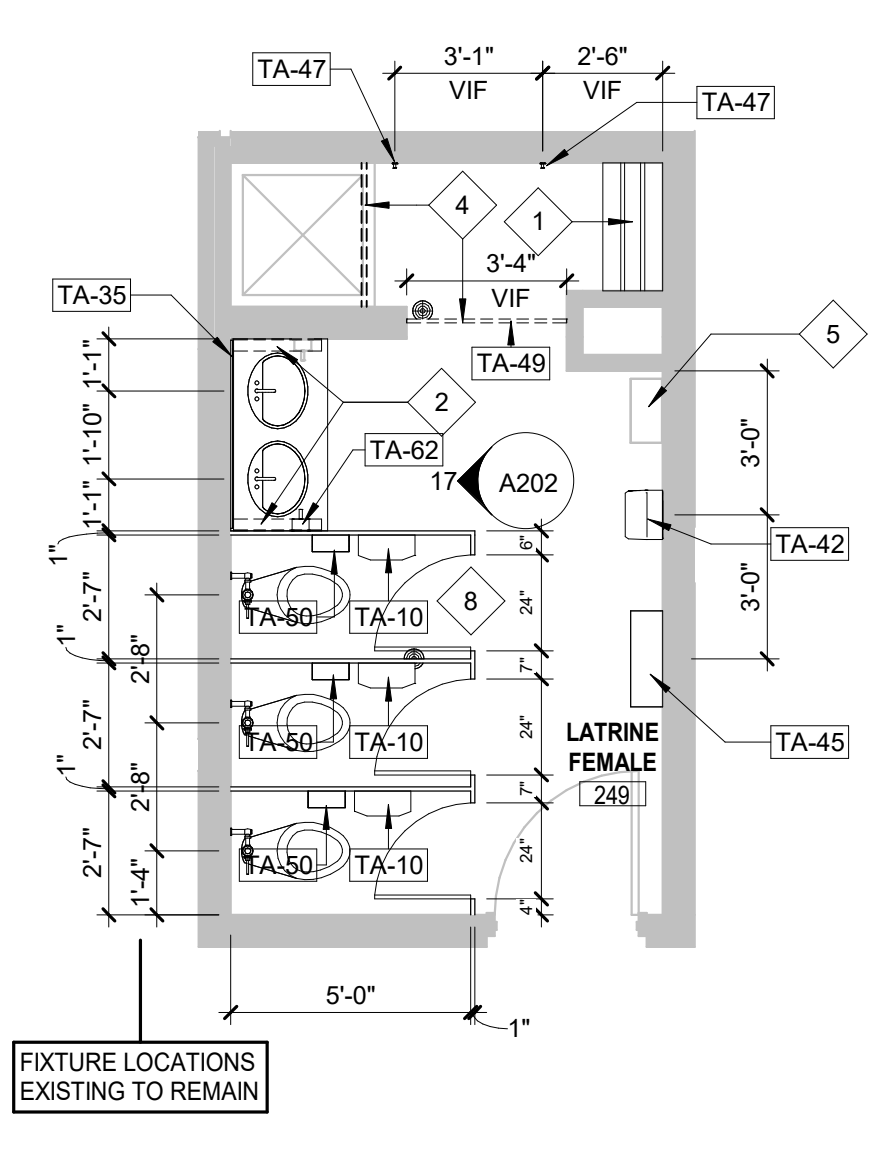
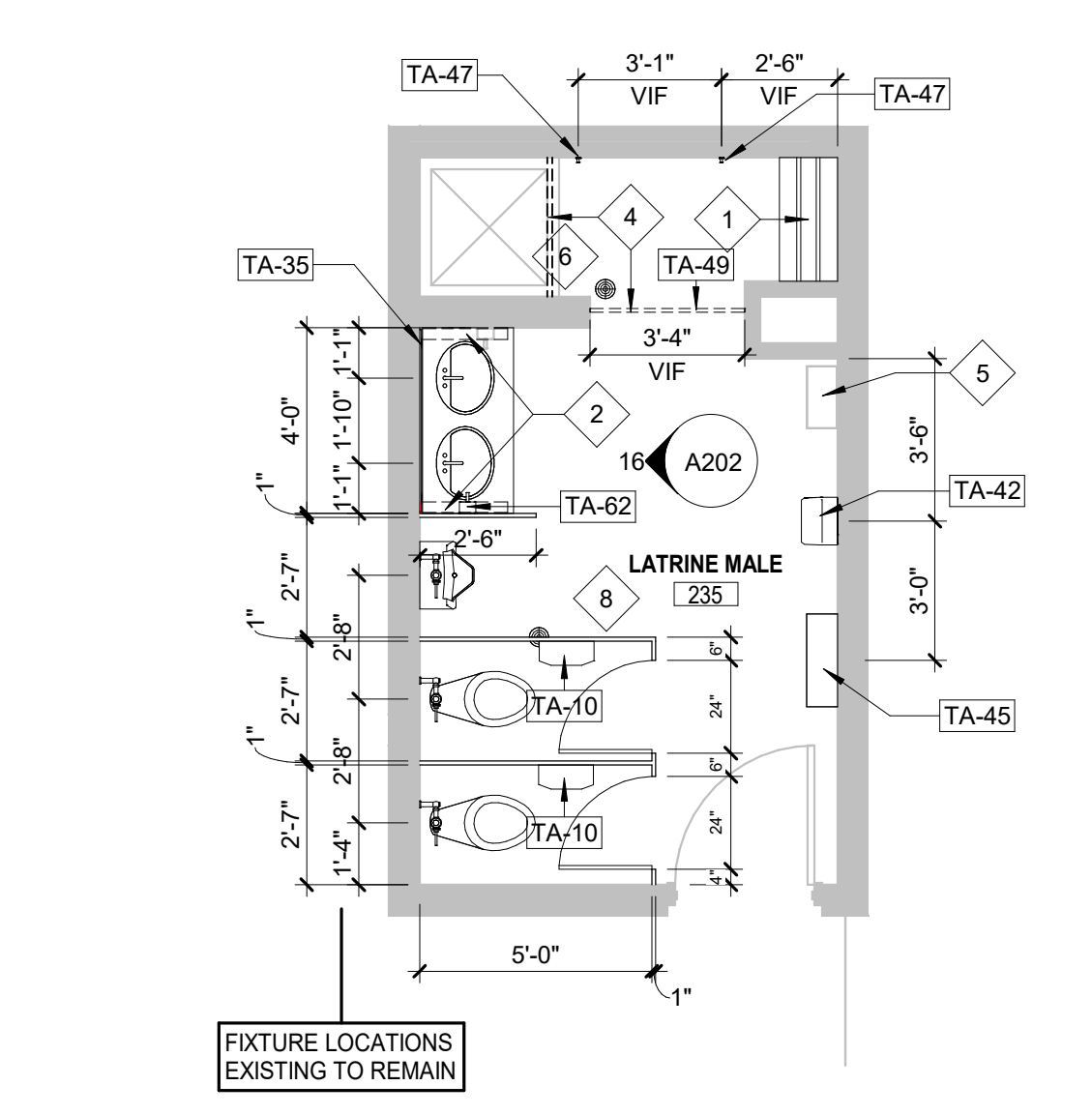
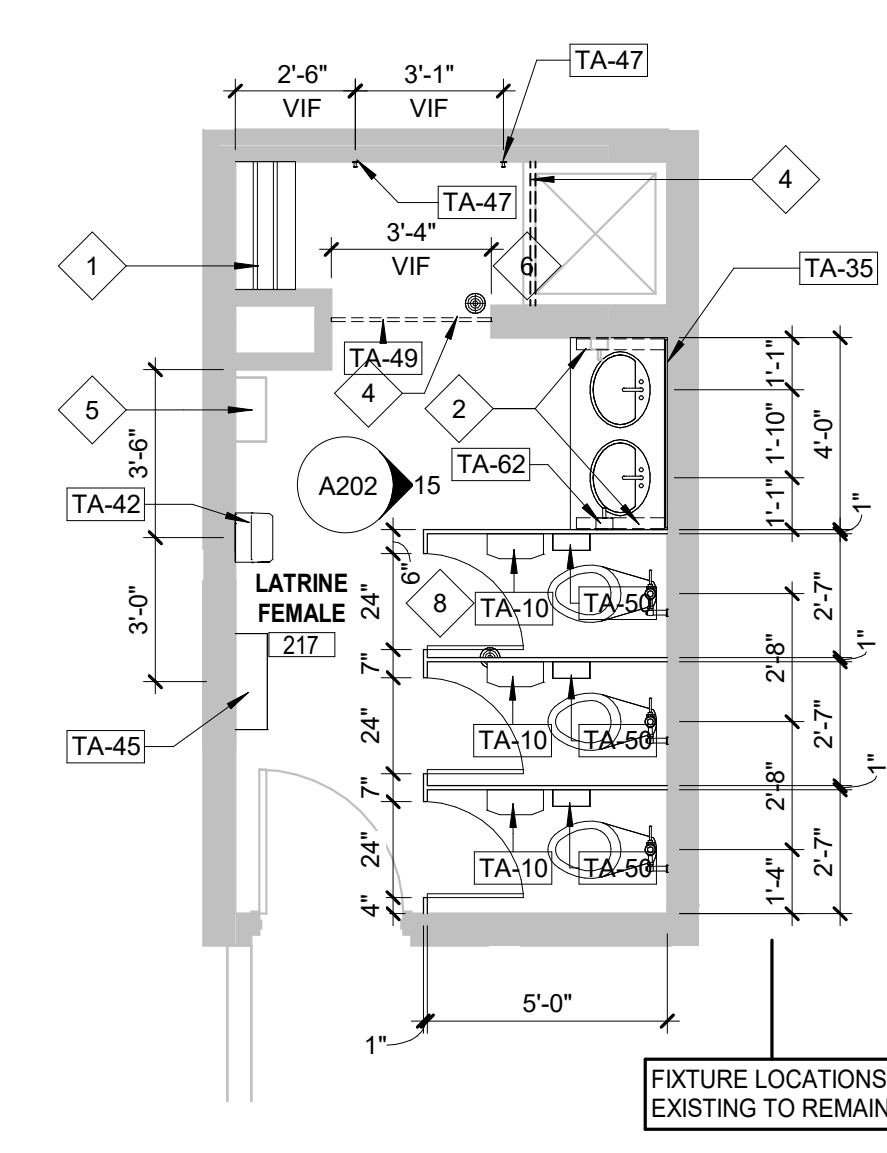
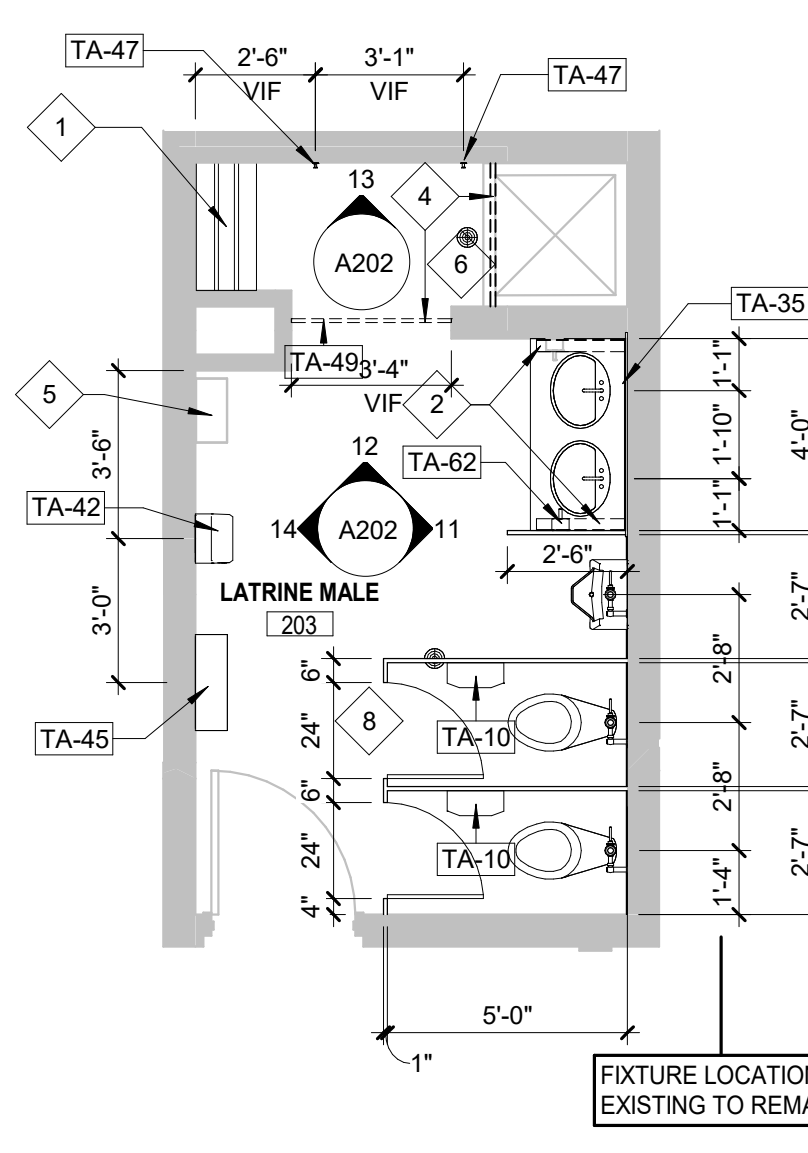


**5 FIRST FLOOR PLAN - 140 LATRINE FEMALE**  
SCALE: 1/4" = 1'-0"

**6 FIRST FLOOR PLAN - 133 LATRINE MALE**  
SCALE: 1/4" = 1'-0"

**7 FIRST FLOOR PLAN - 111 LATRINE FEMALE**  
SCALE: 1/4" = 1'-0"

**8 FIRST FLOOR PLAN - 104 LATRINE MALE**  
SCALE: 1/4" = 1'-0"

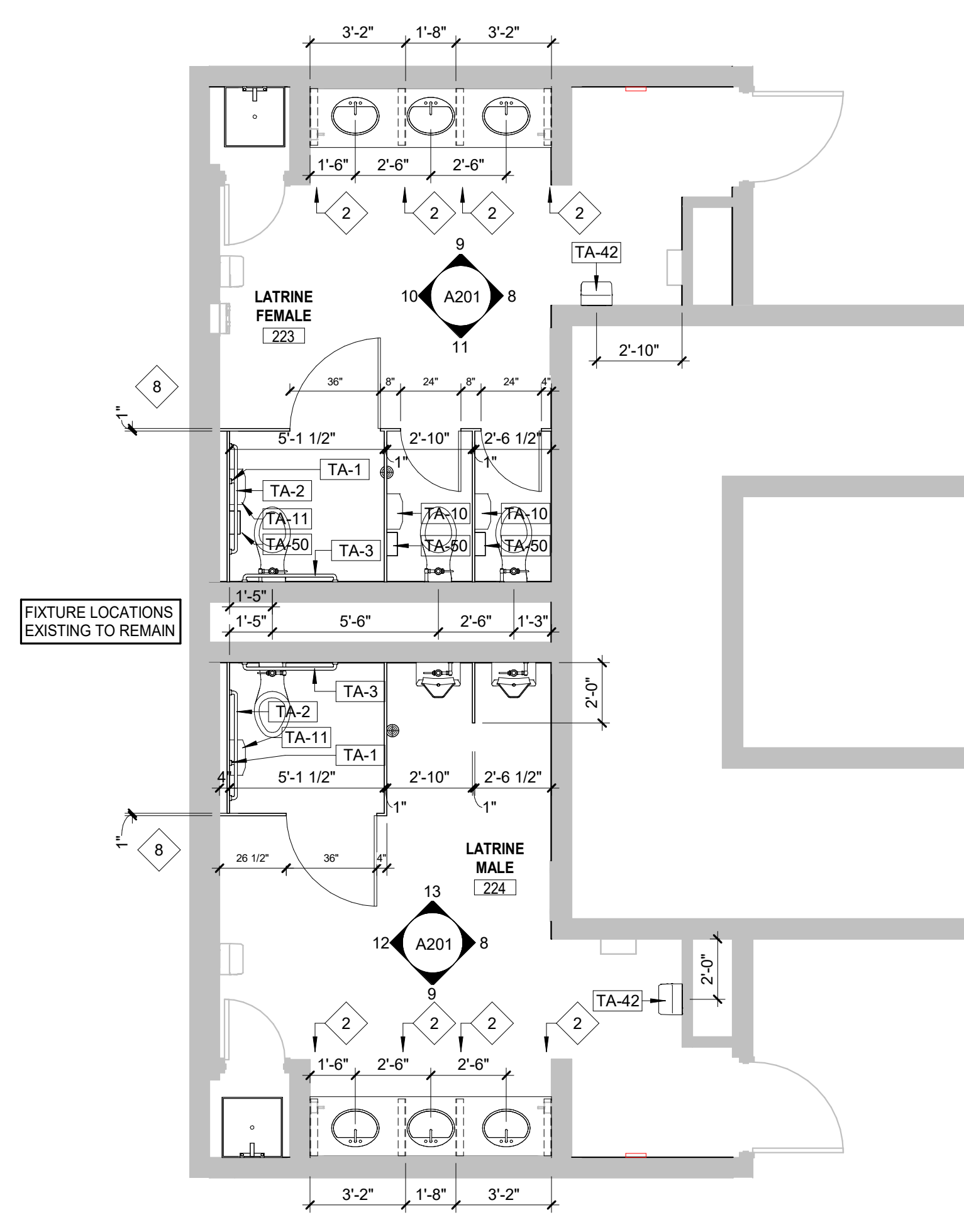


**9 SECOND FLOOR PLAN - 203 LATRINE MALE**  
SCALE: 1/4" = 1'-0"

**10 SECOND FLOOR PLAN - 217 LATRINE FEMALE**  
SCALE: 1/4" = 1'-0"

**11 SECOND FLOOR PLAN - 235 LATRINE MALE**  
SCALE: 1/4" = 1'-0"

**12 SECOND FLOOR PLAN - 249 LATRINE FEMALE**  
SCALE: 1/4" = 1'-0"



**13 SECOND FLOOR PLAN - 223 LATRINE FEMALE & 224 LATRINE MALE**  
SCALE: 1/4" = 1'-0"

DESIGNED: LED	ISSUE DATE: 07/16/2024
DRAWN: MKB	REVISIONS: No.
CHECKED: SS	DATE:
BY: DESCRIPTION:	

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IOWA ARMY NATIONAL GUARD  
BUILDING A-1 RENOVATE LATRINES  
CONTRACT NO.: C322A1047 PROJECT NO.: 19083795  
5698 NW 78TH AVE, JOHNSTON, IA 50131  
ENLARGED FLOOR PLANS

PROJECT NO.: 08320.001

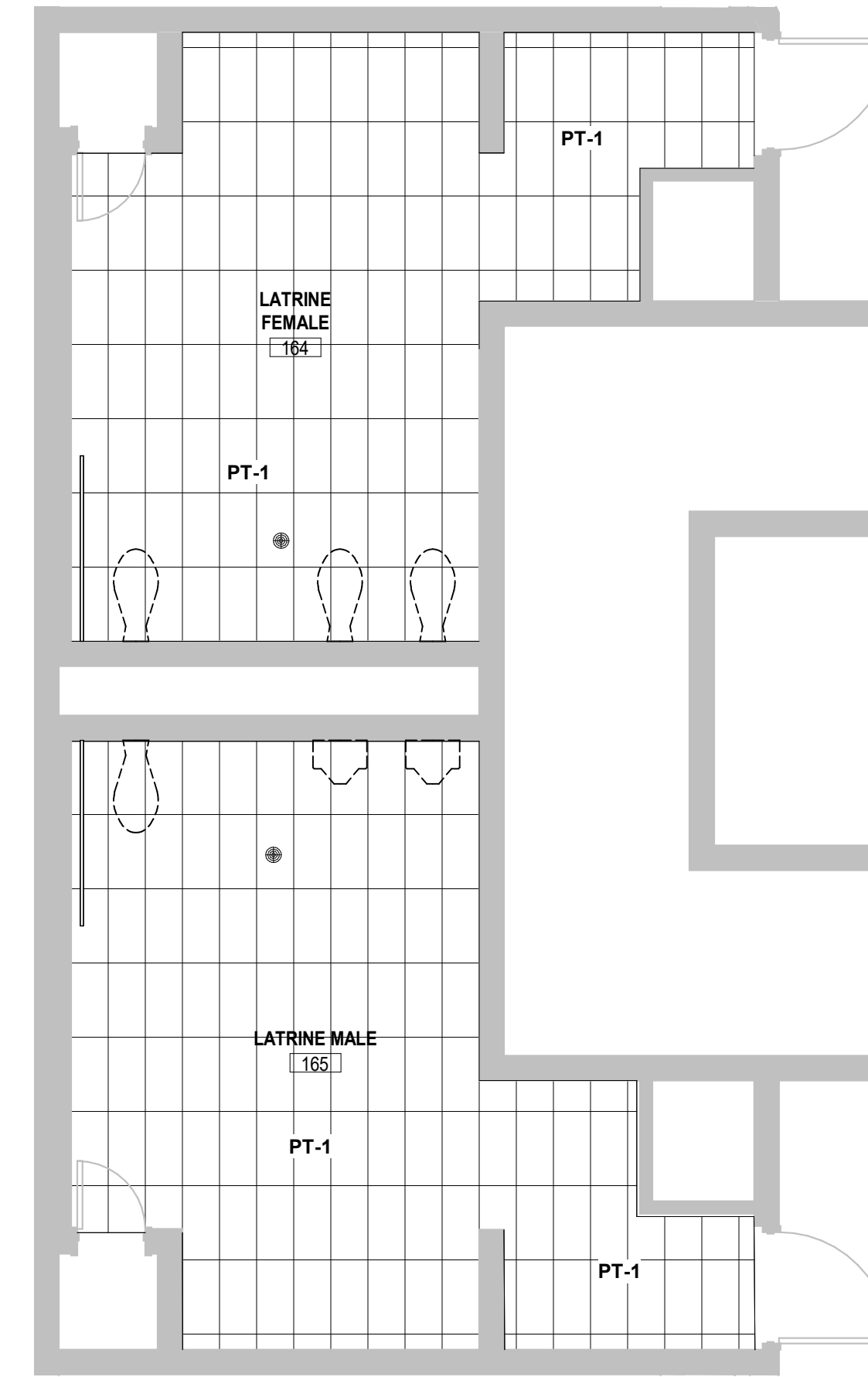
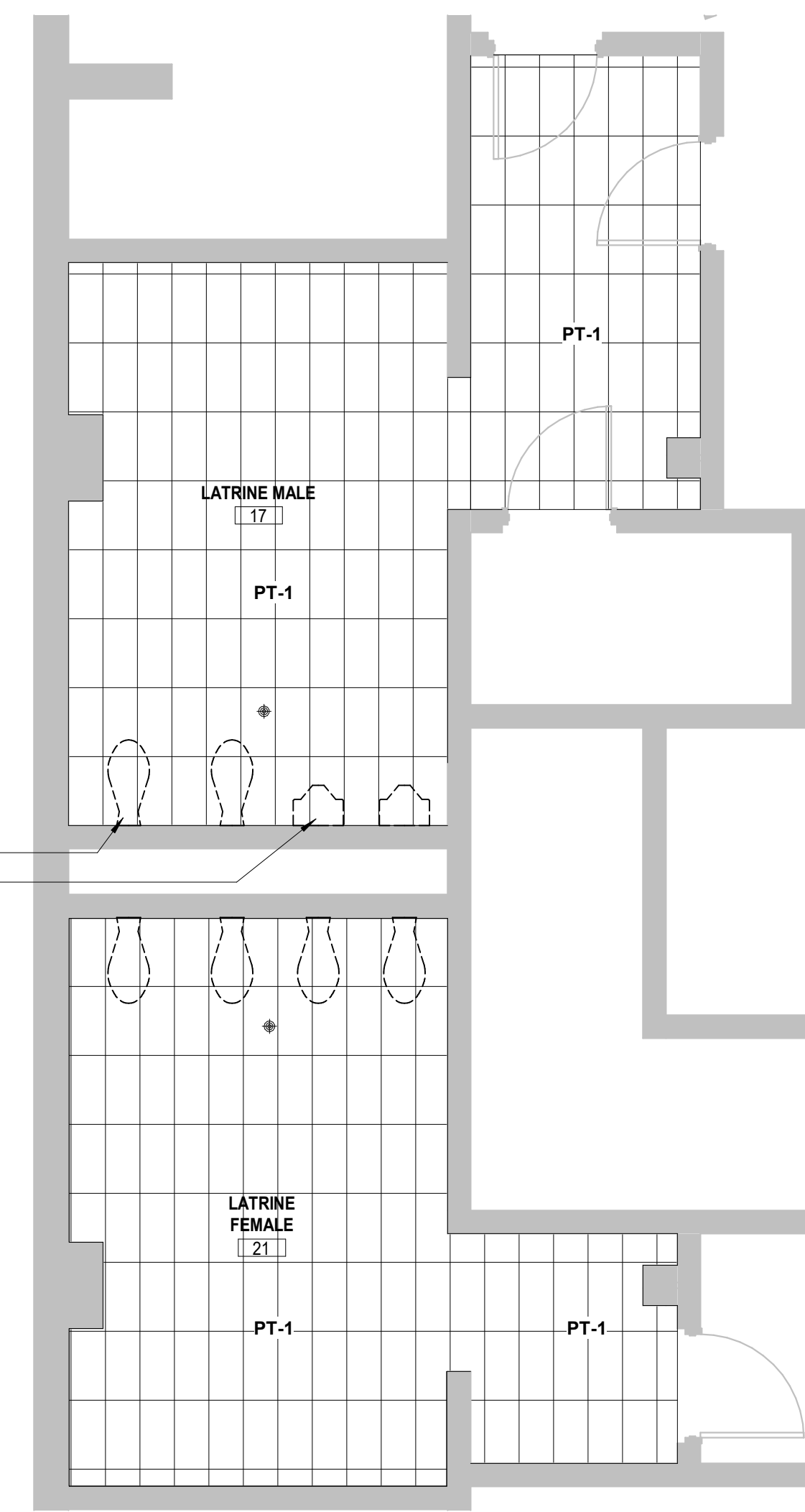
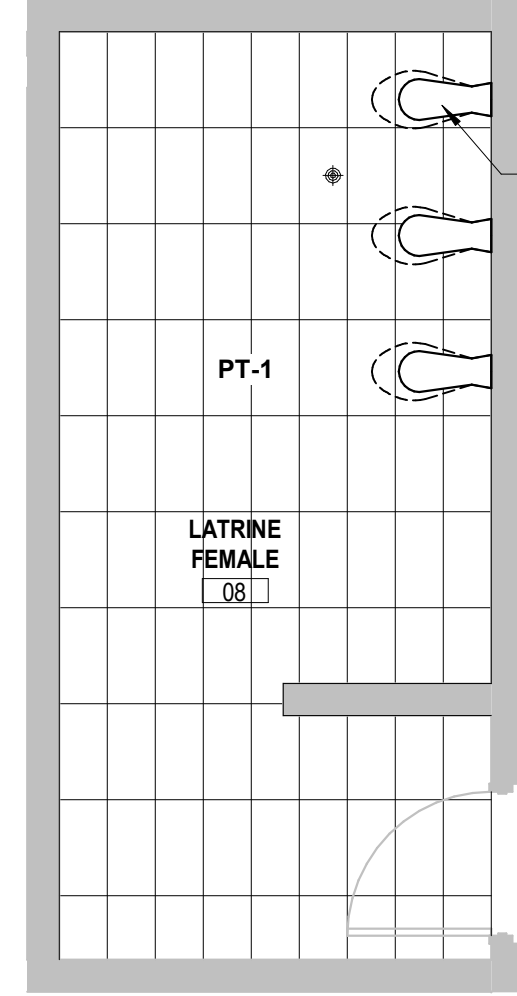
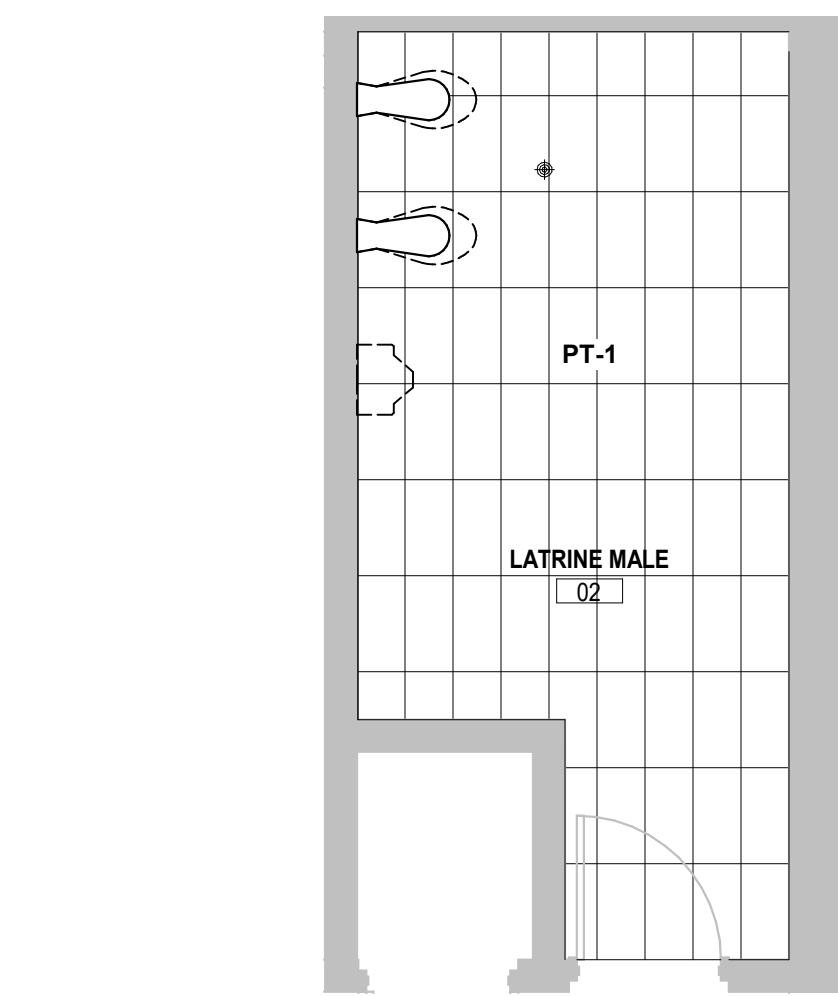
A101

FINISH KEY			
KEY	PRODUCT	BRAND	COLOR/PATTERN
1 FLOOR FINISH			
PT-1	PORCELAIN TILE	DALTILE	TILE: REVERB ASH VL74, MONOLITHIC; GROUT: #11 SAHARA BEIGE; MATCHING 6x12 COVE BASE
2 COUNTERTOP			
SS-1	SOLID SURFACE	CORIAN	CAMEO WHITE
3 TOILET PARTITIONS			
TP-1	TOILET PARTITIONS	GENERAL PARTITIONS	236 STERLING
4 CEILING			
ACT-1	ACOUSTIC CEILING TILE & GRID SYSTEM	USG	FROST, 2' x 2', SQUARE TEGULAR EDGE, WHITE; 15/16" GRID, WHITE
5 BENCH PLANKS			
PK-1	SHOWER BENCH PLANK	TANGENT SUSTAINABLE LUMBER	PROFILE: 2x4BN W/ 1/4" GAPS, COLOR: LIGHT GRAY

GENERAL FINISH PLAN NOTES:

- EXISTING WATER CLOSET MOUNTING WILL DICTATE NEW WATER CLOSET MOUNTING. ESTIMATED MOUNTING HAS BEEN GRAPHICALLY REPRESENTED BUT WILL REQUIRE FIELD VERIFICATION.
- FLOOR TILE TO BE INSTALLED UNDERNEATH FLOOR MOUNTED WATER CLOSETS TO CIRCUMFERENCE OF WASTE LINES.
- SURFACE-MOUNTED PILASTER BASE CONNECTORS (NOT SHOWN IN THE FINISH PLANS) TO BE UTILIZED FOR TOILET PARTITION PILASTERS, ON FIRST FLOOR AND SECOND FLOOR. THESE ARE USED TO AVOID COMPROMISING THE IN-SLAB RADIANT HEATING SYSTEMS. TYPICAL PILASTER CONNECTIONS CAN HAPPEN IN THE BASEMENT, THAT DOES NOT HAVE IN-SLAB RADIANT HEATING SYSTEMS.
- COVE BASE GROUT PATTERNS TO MATCH GROUT PATTERNS OF FLOOR TILE.
- EXISTING RADIANT UNITS IN SECOND FLOOR RESTROOMS WILL BE REMOVED FOR FLOOR FINISH INSTALLATION, THEN REINSTALLED AFTER FLOOR FINISHES ARE COMPLETED. RADIANT UNIT COVERS SHALL BE SHOP-REPAINTED AND REINSTALLED.
- MINIMIZE TILE MODIFICATION NEAR FLOOR DRAINS AND THEIR ASSOCIATED SLOPES. PLEASE COORDINATE A MOCKED-UP SITUATION FOR REVIEW WITH THE CLIENT AND ARCHITECT TO USE AS PRECEDENT.
- NO FLOOR FINISH MODIFICATIONS INSIDE JANITOR'S CLOSETS.
- REESTABLISH EXISTING CARPET AND FLOOR TILE TERMINATION RELATIONSHIP AT DOORS THAT EGRESS TO CORRIDORS. DESIGN INTENT IS TO MAINTAIN THAT TRANSITION LOGIC.

WATER CLOSET, WALL-HUNG, TYP.  
URINAL, TYP.  
WATER CLOSET, FLOOR-MOUNTED, TYP.

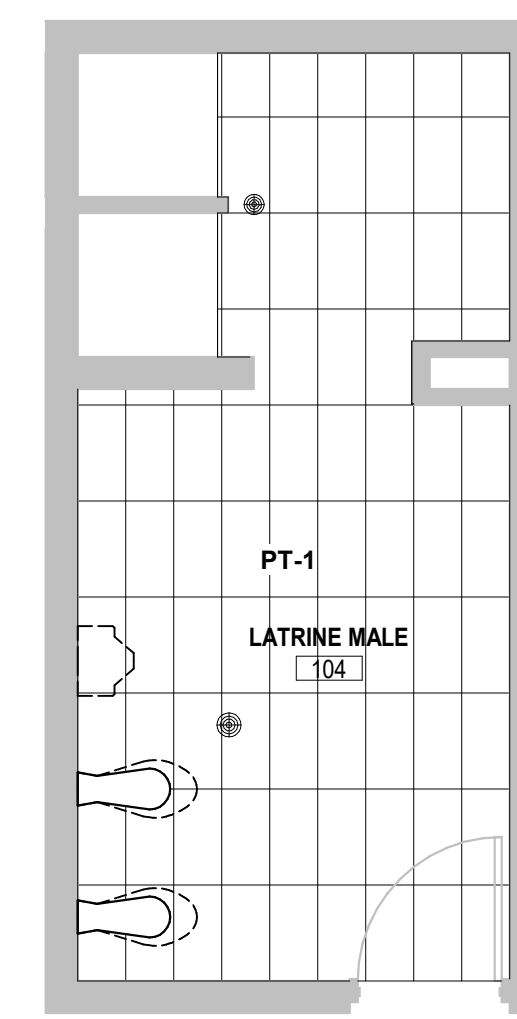
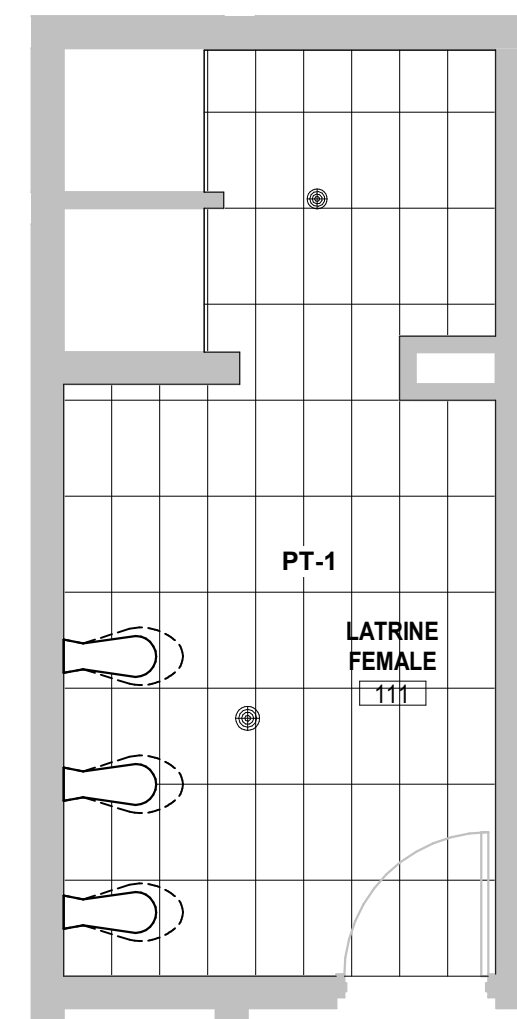
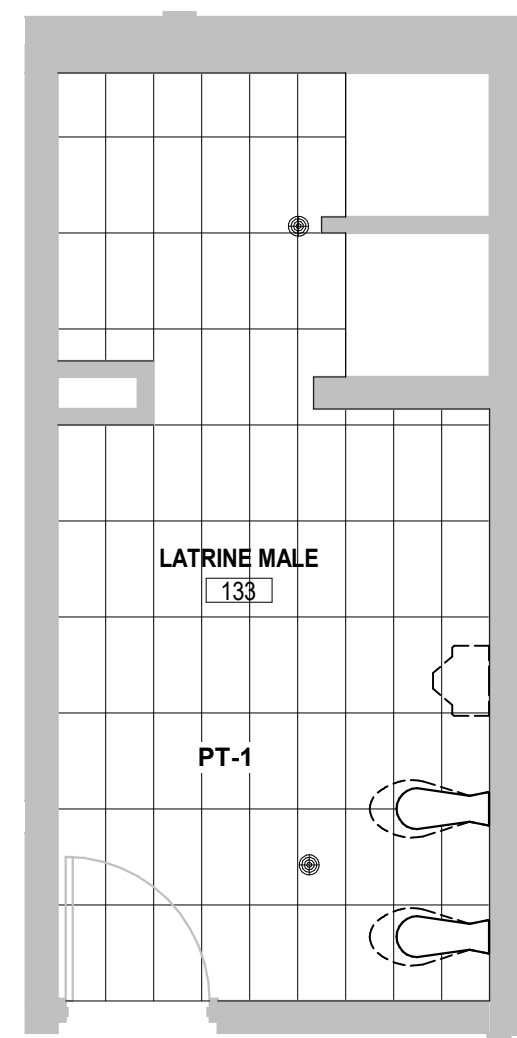
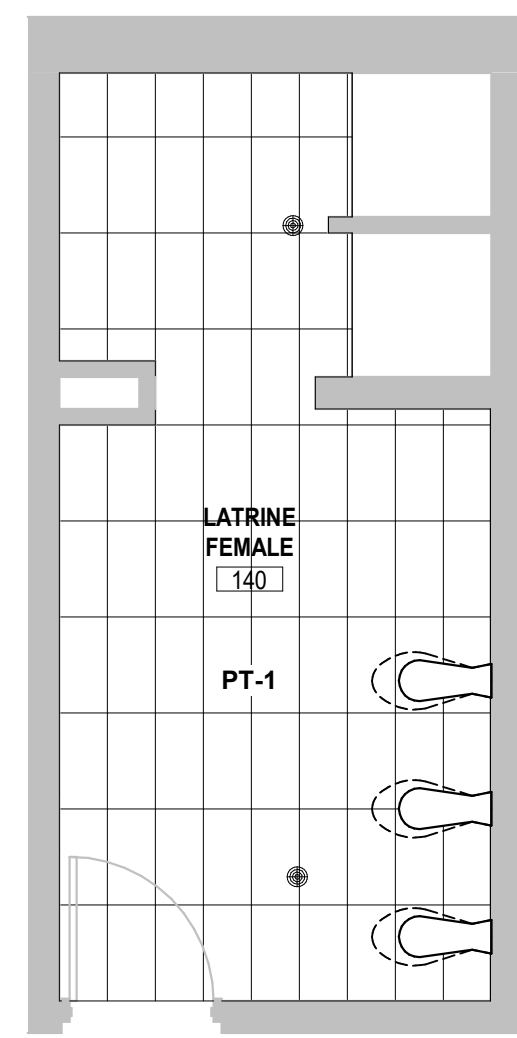


1 BASEMENT FLOOR FINISH PLAN - 02 LATRINE MALE  
SCALE: 1/4" = 1'-0"

2 BASEMENT FLOOR FINISH PLAN - 08 LATRINE FEMALE  
SCALE: 1/4" = 1'-0"

3 BASEMENT FLOOR FINISH PLAN - 17 LATRINE MALE & 21 LATRINE FEMALE  
SCALE: 1/4" = 1'-0"

4 FIRST FLOOR FINISH PLAN - 164 LATRINE FEMALE & 165 LATRINE MALE  
SCALE: 1/4" = 1'-0"

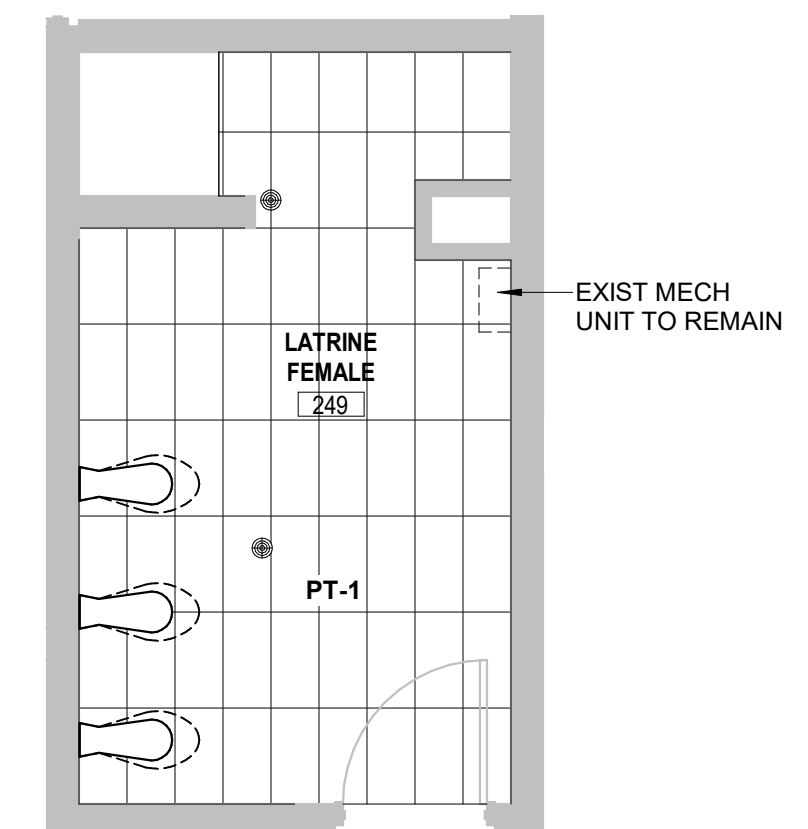
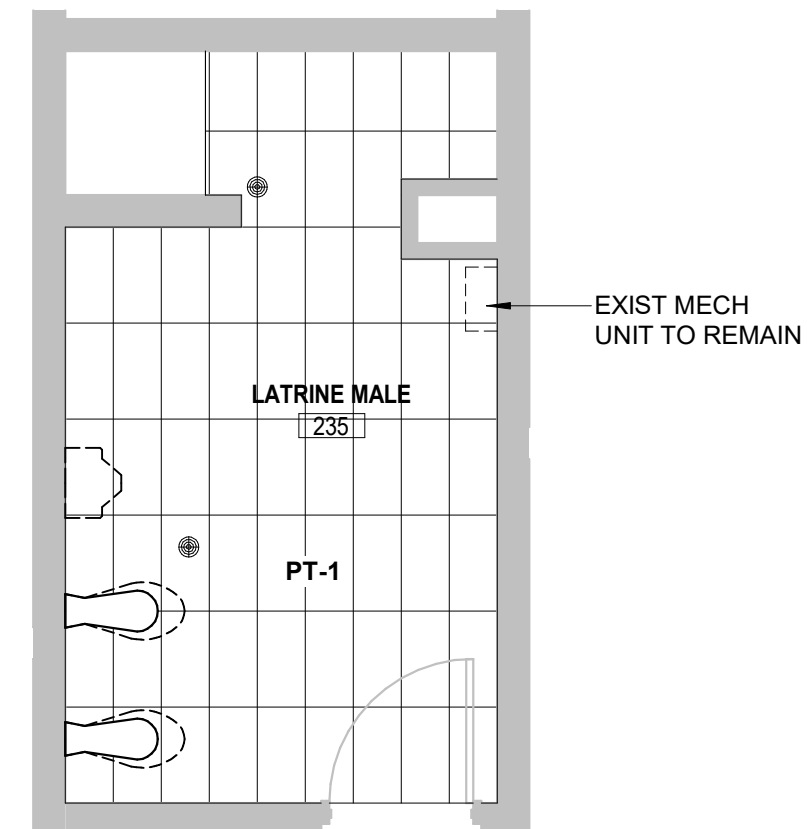
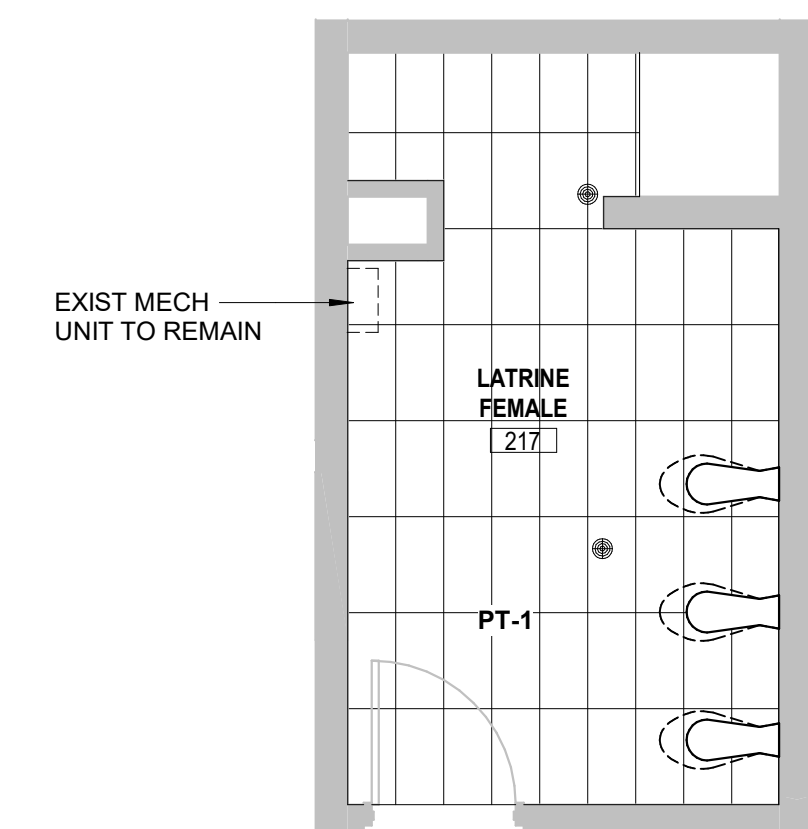
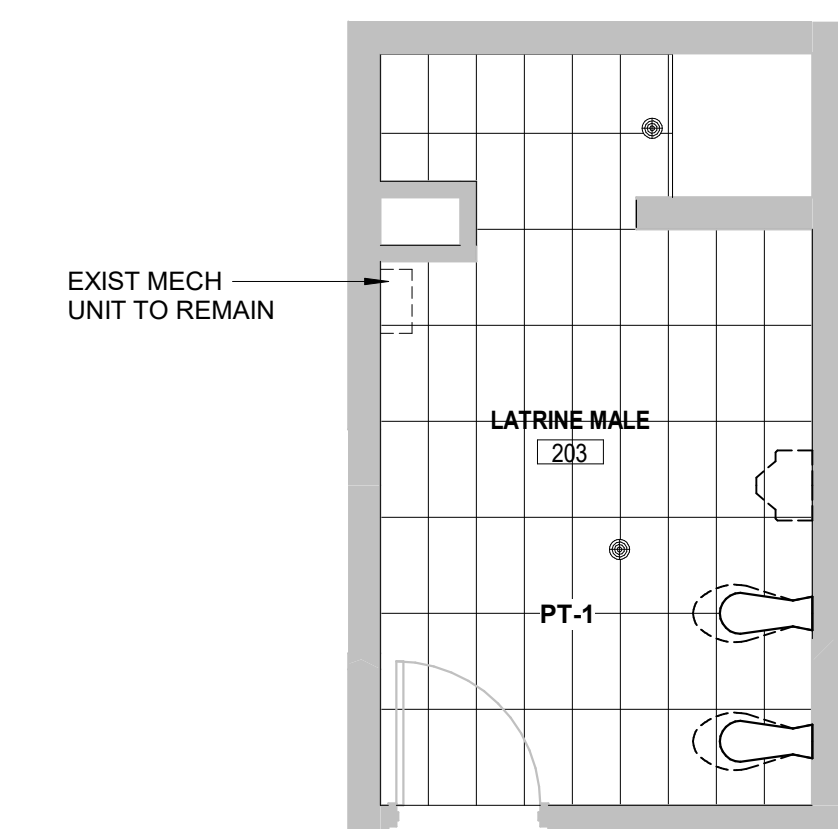
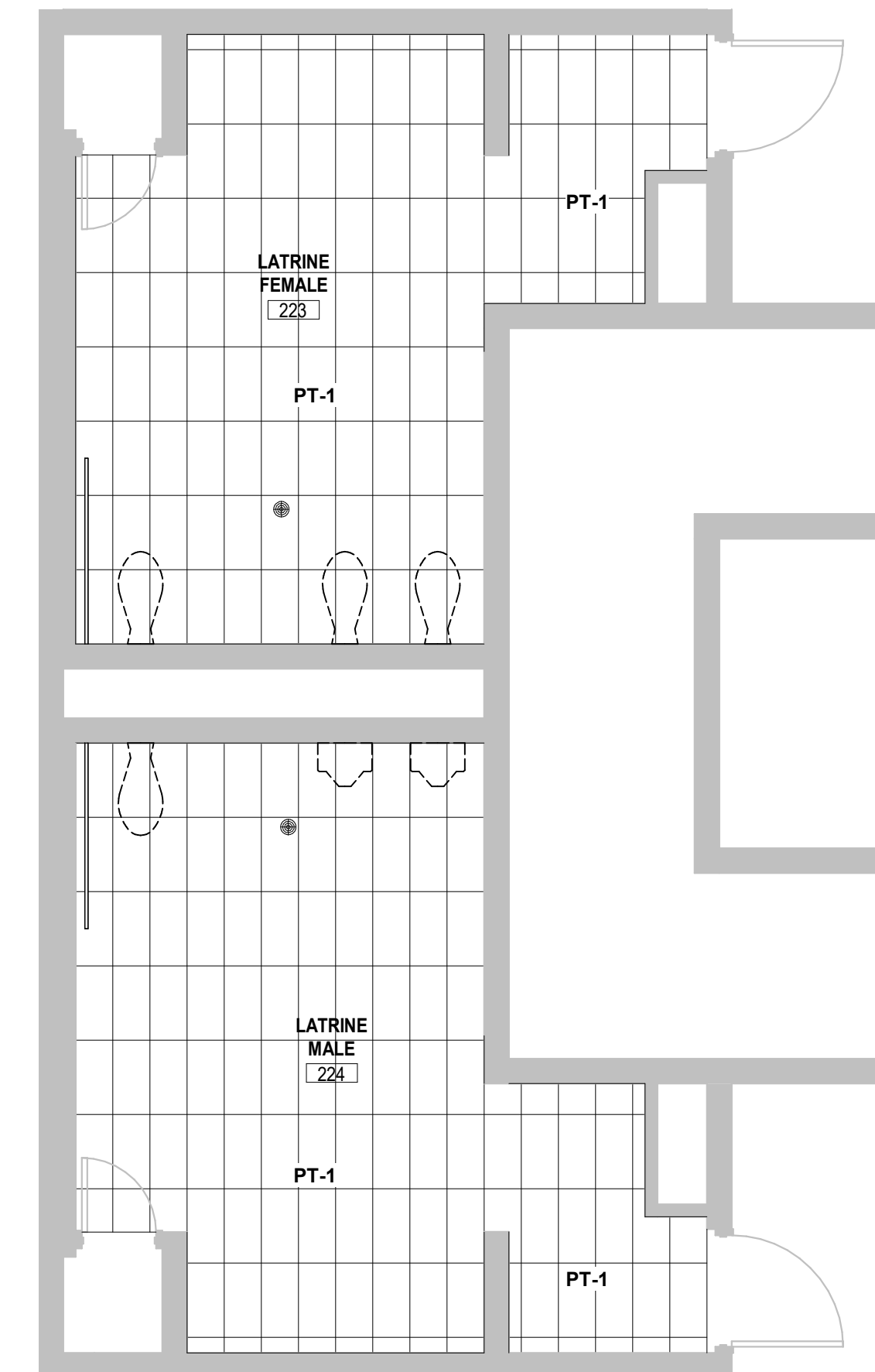


5 FIRST FLOOR FINISH PLAN - 140 LATRINE FEMALE  
SCALE: 1/4" = 1'-0"

6 FIRST FLOOR FINISH PLAN - 133 LATRINE MALE  
SCALE: 1/4" = 1'-0"

7 FIRST FLOOR FINISH PLAN - 111 LATRINE FEMALE  
SCALE: 1/4" = 1'-0"

8 FIRST FLOOR FINISH PLAN - 104 LATRINE MALE  
SCALE: 1/4" = 1'-0"



9 SECOND FLOOR FINISH PLAN - 203 LATRINE MALE  
SCALE: 1/4" = 1'-0"

10 SECOND FLOOR FINISH PLAN - 217 LATRINE FEMALE  
SCALE: 1/4" = 1'-0"

11 SECOND FLOOR FINISH PLAN - 235 LATRINE MALE  
SCALE: 1/4" = 1'-0"

12 SECOND FLOOR FINISH PLAN - 249 LATRINE FEMALE  
SCALE: 1/4" = 1'-0"

13 SECOND FLOOR FINISH PLAN - 223 LATRINE FEMALE & 224 LATRINE MALE  
SCALE: 1/4" = 1'-0"

DESIGNED: LED  
DRAWN: MKK  
CHECKED: SS  
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ISSUE DATE: 07/16/2024  
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IOWA ARMY NATIONAL GUARD  
BUILDING A-1 RENOVATE LATRINES  
CONTRACT NO.: C322A1047 PROJECT NO.: 19083795  
5698 NW 78TH AVE, JOHNSTON, IA 50131  
ENLARGED FLOOR FINISH PLAN

PROJECT NO.: 08320.001

A102

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**LEGEND:**

FOR CEILING HEIGHTS, SEE ROOM FINISH SCHEDULE

- NEW 2x2 LAY-IN CEILING GRID AND PADS
- CONTROL JOINT (CJ)
- GYPSUM BOARD CEILING
- LIGHT FIXTURES (SEE ELECTRICAL)
- GRILLES AND DIFFUSERS (SEE MECHANICAL)

- FIRE ALARM STROBE, SEE ELEC
- FIRE ALARM HORN, SEE ELEC
- FIRE ALARM SPEAKER, SEE ELEC
- FIRE ALARM HORN STROBE, SEE ELEC
- FIRE ALARM SPEAKER STROBE, SEE ELEC
- OCCUPANCY SENSOR, SEE ELEC
- SMOKE DETECTOR, SEE ELEC
- SPEAKER, SEE ELEC
- EXIT SIGN, SEE ELEC

1 BASEMENT RCP - 02 LATRINE MALE  
SCALE: 1/4" = 1'-0"

2 BASEMENT RCP - 08 LATRINE FEMALE  
SCALE: 1/4" = 1'-0"

3 BASEMENT RCP - 17 LATRINE MALE & 21 LATRINE FEMALE  
SCALE: 1/4" = 1'-0"

4 FIRST FLOOR RCP - 164 LATRINE FEMALE & 165 LATRINE MALE  
SCALE: 1/4" = 1'-0"

5 FIRST FLOOR RCP - 140 LATRINE FEMALE  
SCALE: 1/4" = 1'-0"

6 FIRST FLOOR RCP - 133 LATRINE MALE  
SCALE: 1/4" = 1'-0"

7 FIRST FLOOR RCP - 111 LATRINE FEMALE  
SCALE: 1/4" = 1'-0"

8 FIRST FLOOR RCP - 104 LATRINE MALE  
SCALE: 1/4" = 1'-0"

9 SECOND FLOOR RCP - 203 LATRINE MALE  
SCALE: 1/4" = 1'-0"

10 SECOND FLOOR RCP - 217 LATRINE FEMALE  
SCALE: 1/4" = 1'-0"

11 SECOND FLOOR RCP - 235 LATRINE MALE  
SCALE: 1/4" = 1'-0"

12 SECOND FLOOR RCP - 249 LATRINE FEMALE  
SCALE: 1/4" = 1'-0"

13 SECOND FLOOR RCP - 223 LATRINE FEMALE & 224 LATRINE MALE  
SCALE: 1/4" = 1'-0"

DESIGNED: **SCHEMMER** ISSUE DATE: 07/18/2024  
 REVISIONS: No. DATE BY: DESCRIPTION

DESIGNED	DRAWN	CHECKED
Author	Author	Checker

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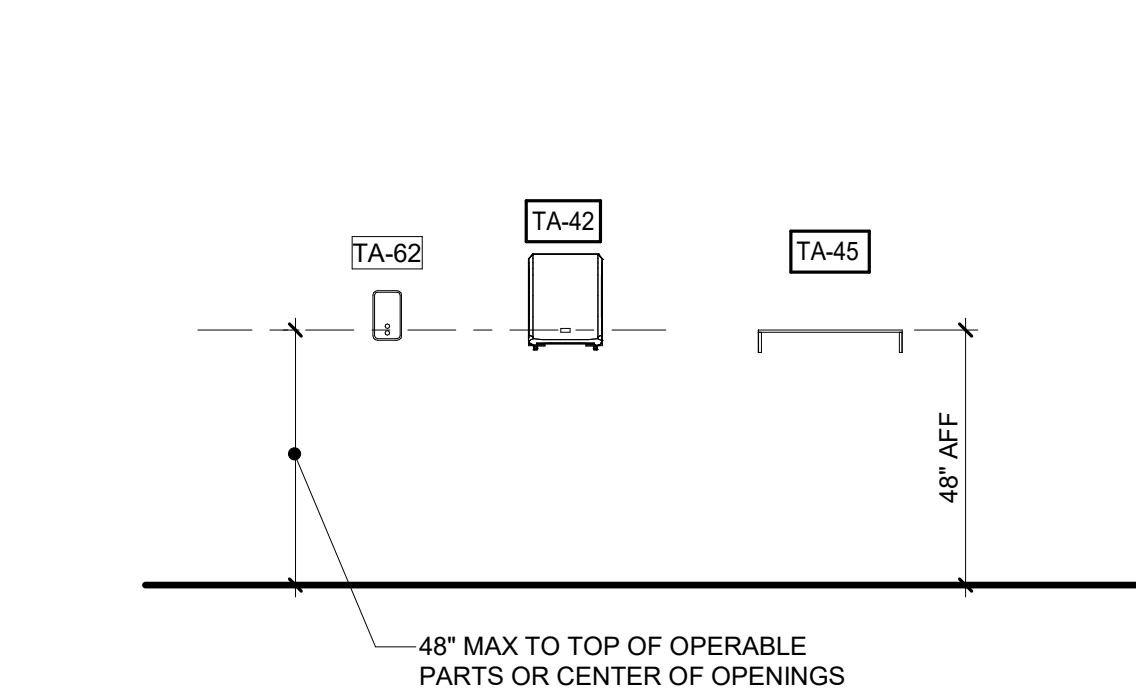
**SCHEMMER**  
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IOWA ARMY NATIONAL GUARD  
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 CONTRACT NO.: C322A1047 PROJECT NO.: 19083795  
 5698 NW 78TH AVE, JOHNSTON, IA 50131  
 ENLARGED REFLECTED CEILING PLANS

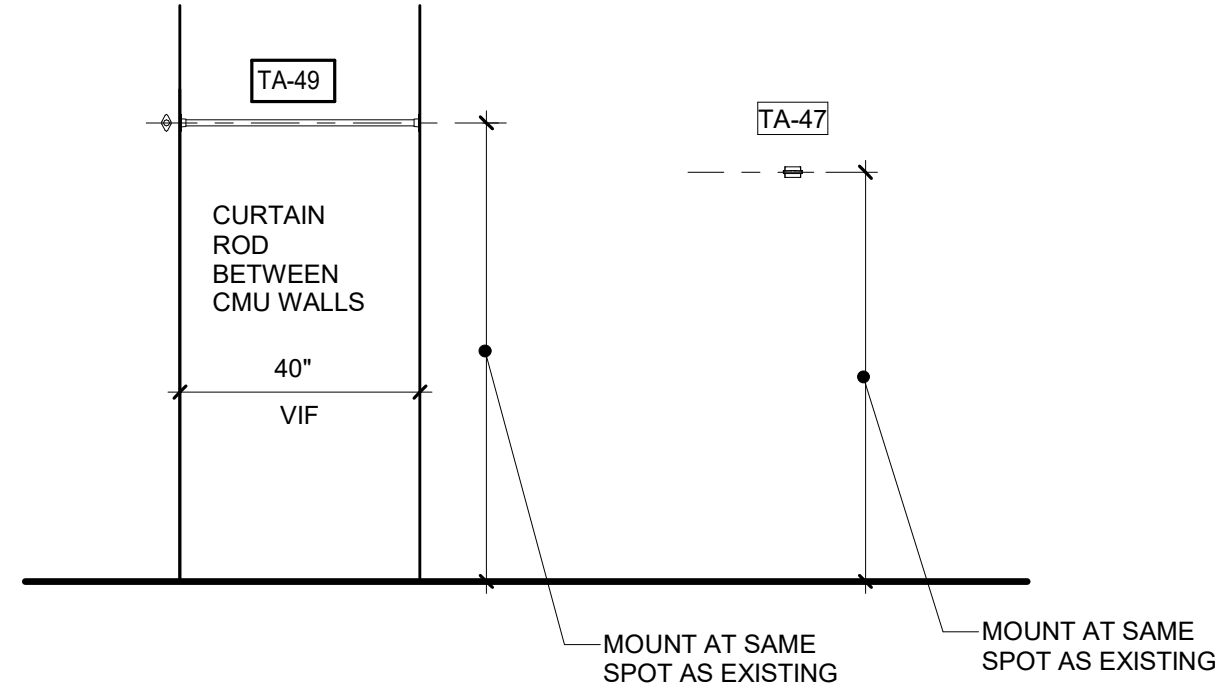
PROJECT NO.: 08320.001

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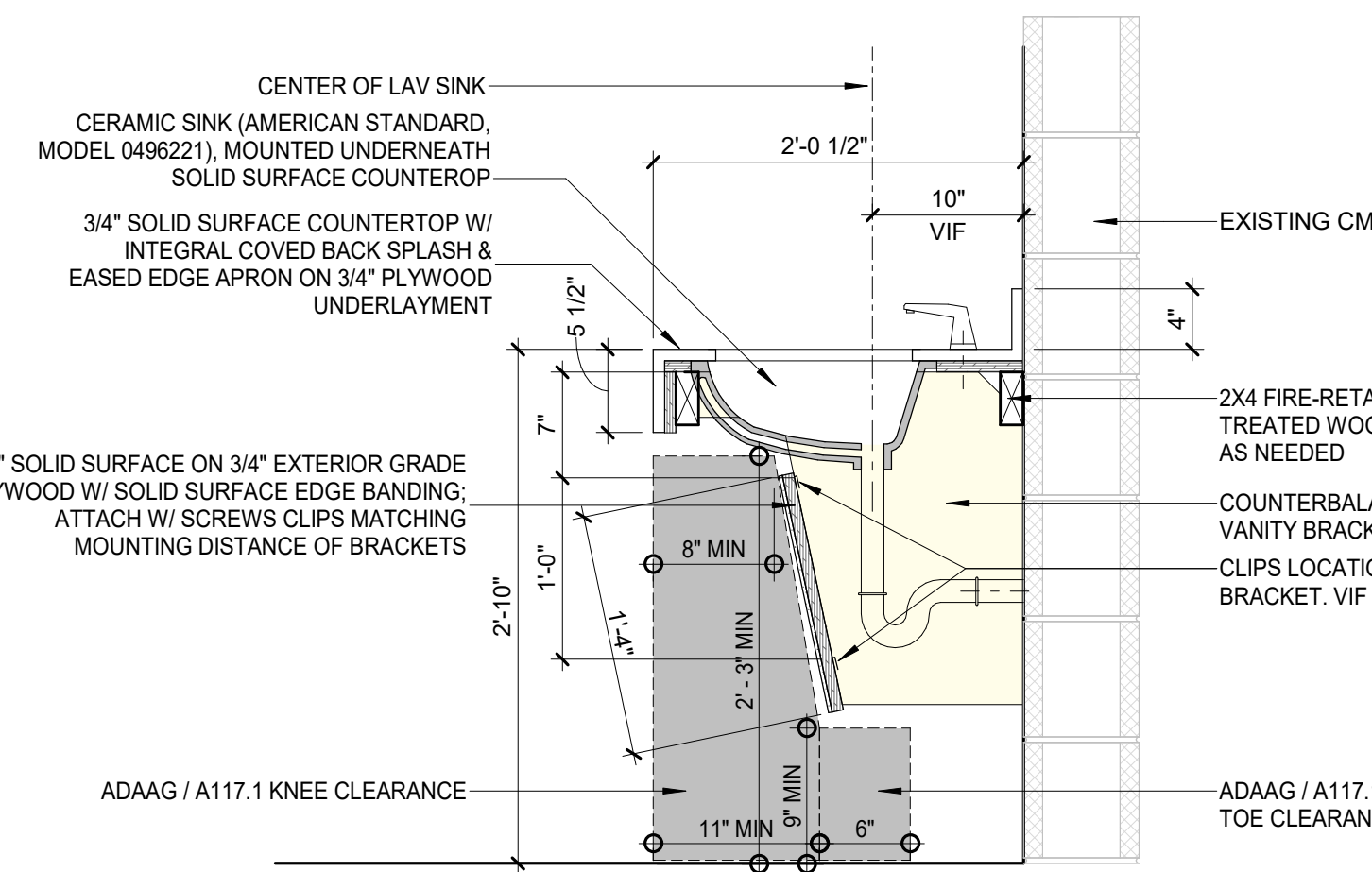


**LAVATORY & ACCESSORIES**  
NOT TO SCALE



**SHOWERS & ACCESSORIES**  
NOT TO SCALE

**1 VANITY W/ UNDERMOUNT CERAMIC SINK - TYPICAL ALL RESTROOMS**  
SCALE: 1" = 1'-0"



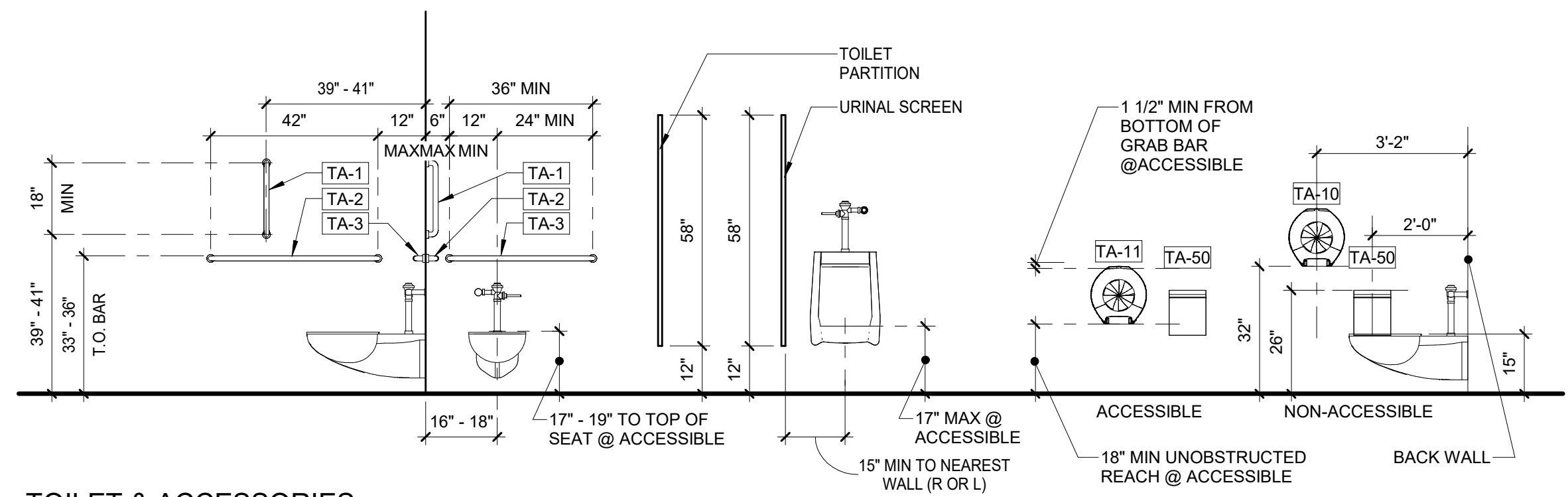
**REF. NOTES (X):**

- 3 UNDER COUNTER VALANCE SKIRT; 1/4" SOLID SURFACE ON 3/4" EXTERIOR-GRADE PLYWOOD W/ SOLID SURFACE EDGE BANDING
- 7 RECESSED NICHE WITH SOLID SURFACE

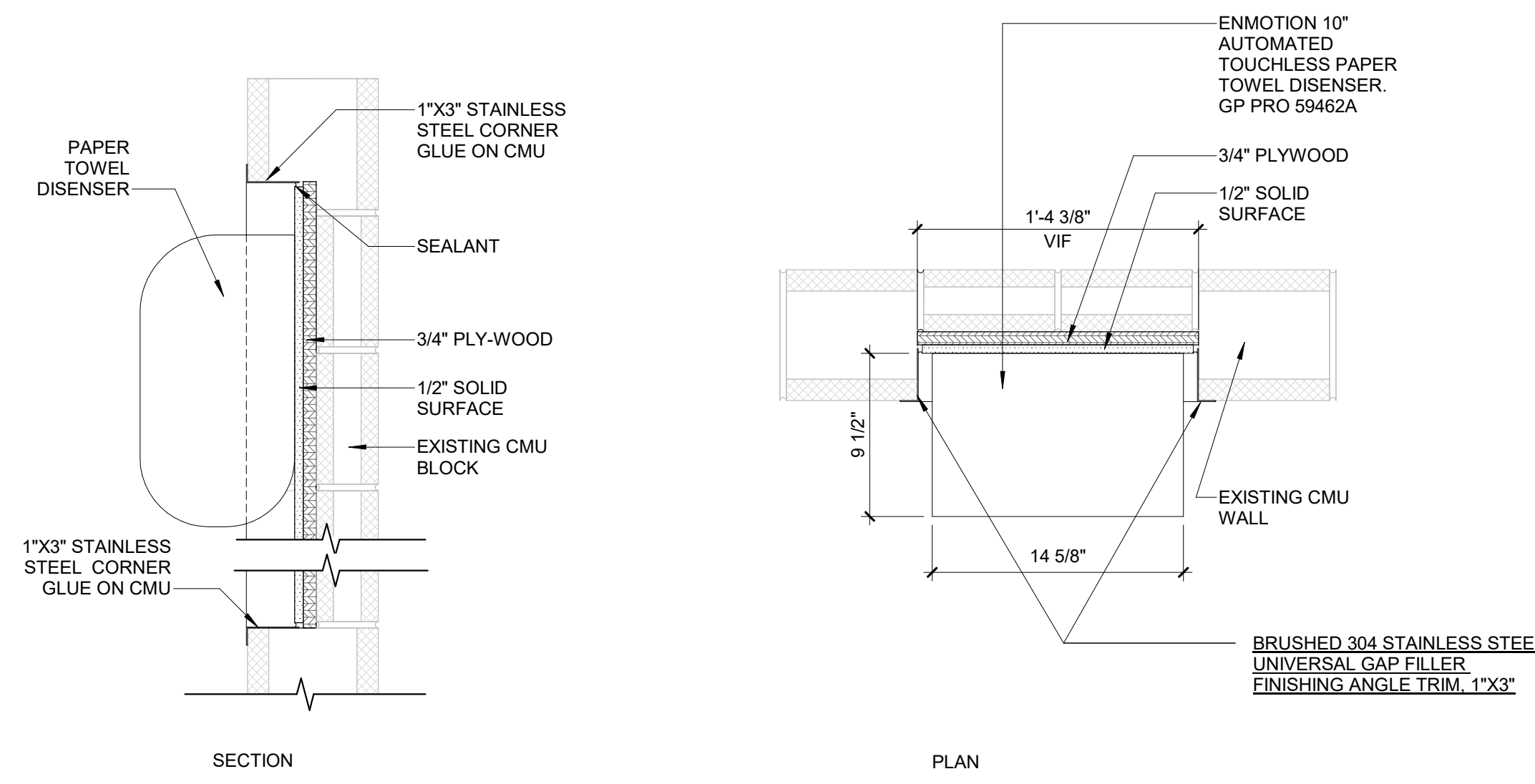
**TOILET ACCESSORIES (TA-X):**

NUMBER	DESCRIPTION
TA-1	VERTICAL 18" GRAB BAR
TA-2	HORIZONTAL 42" GRAB BAR
TA-3	HORIZONTAL 36" GRAB BAR
TA-10	SURFACED MOUNTED TOILET PAPER DISPENSER (TRIPLE ROLL)
TA-11	SURFACED MOUNTED TOILET PAPER DISPENSER (TRIPLE ROLL)
TA-35	NEW MIRROR, FULL WIDTH OF COUNTERTOP; MATCH HEIGHT & THICKNESS OF SIMILAR FULL MIRRORS IN BASEMENT
TA-35	NEW MIRROR, FULL WIDTH OF COUNTERTOP; MATCH HEIGHT & THICKNESS OF SIMILAR FULL MIRRORS IN BASEMENT
TA-42	SURFACE MOUNTED MOTORIZED PAPER TOWEL DISPENSER
TA-45	8"x24" STAINLESS STEEL SHELF
TA-47	HAT/COAT HOOK
TA-48	SHOWER CURTAIN ROD
TA-50	SURFACE MOUNTED SANITARY NAPKIN DISPOSAL
TA-62	WALL MOUNTED MANUAL SOAP DISPENSER

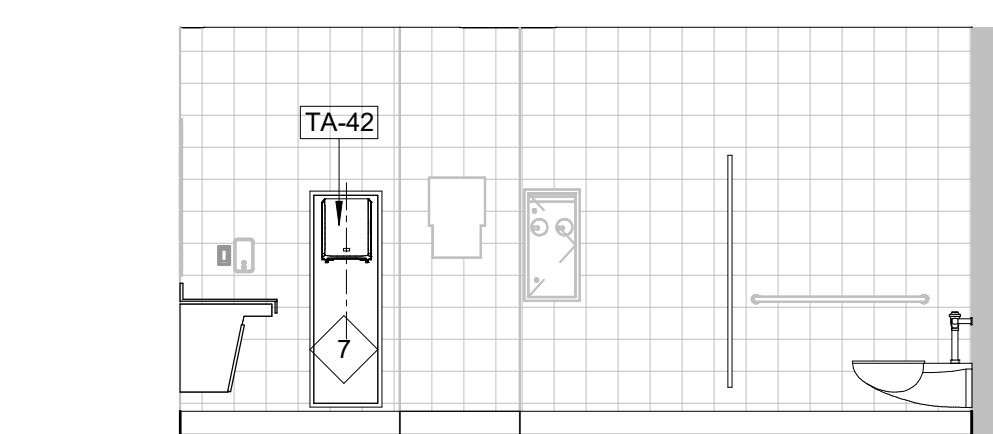
\* ACCESSIBLE MOUNTING HEIGHTS ARE BASED OFF ICC/ANSI A117.1-2009 & 2010 ADAAG.



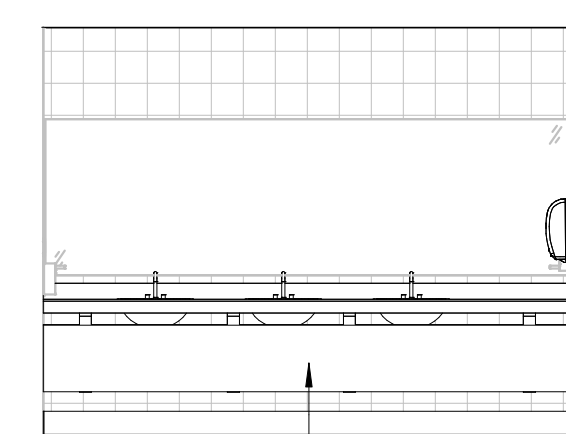
**TOILET & ACCESSORIES**  
NOT TO SCALE



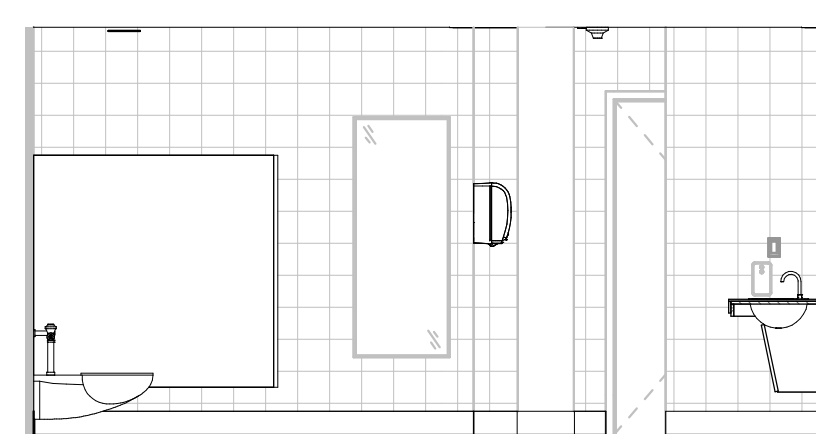
**2 RECESSED NICHE W/ PAPER TOWER DISPENSER**  
SCALE: 1 1/2" = 1'-0"



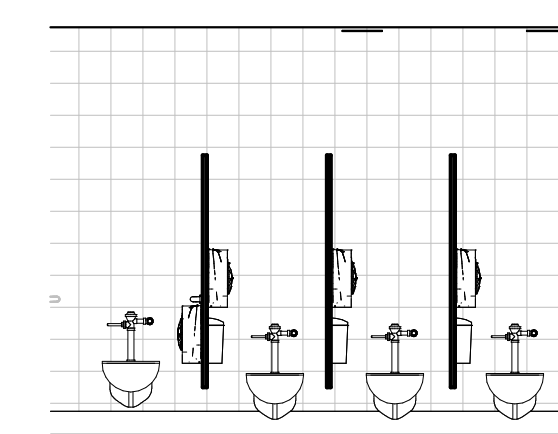
**3 21 & 17 LATRINES INTERIOR ELEVATION - WALL**  
SCALE: 1/4" = 1'-0"



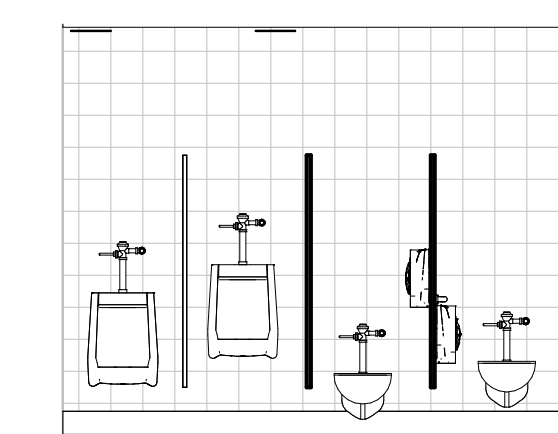
**4 21 & 17 LATRINES INTERIOR ELEVATION - LAVATORY**  
SCALE: 1/4" = 1'-0"



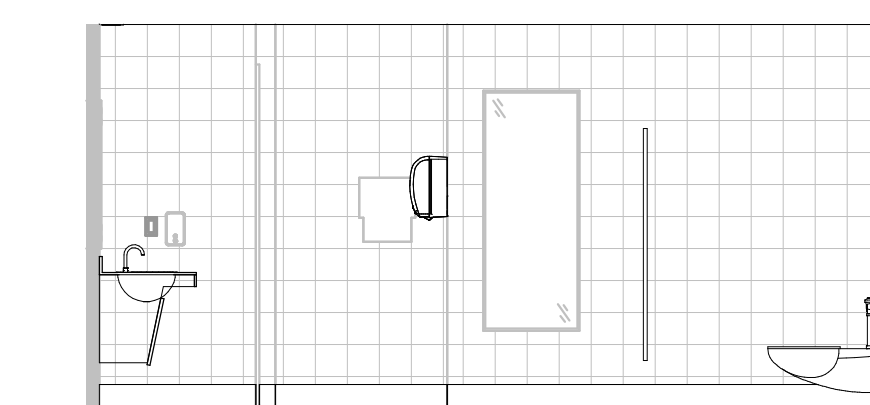
**5 21 & 17 LATRINES INTERIOR ELEVATION - ENTRY**  
SCALE: 1/4" = 1'-0"



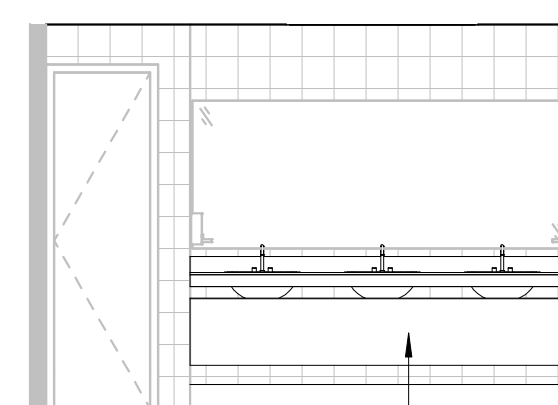
**6 21 LATRINE FEMALE INTERIOR ELEVATION - STALLS**  
SCALE: 1/4" = 1'-0"



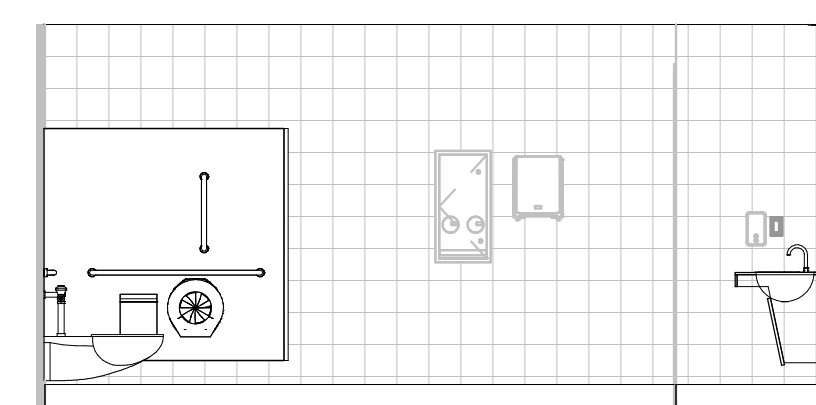
**7 17 LATRINE MALE INTERIOR ELEVATION - STALLS**  
SCALE: 1/4" = 1'-0"



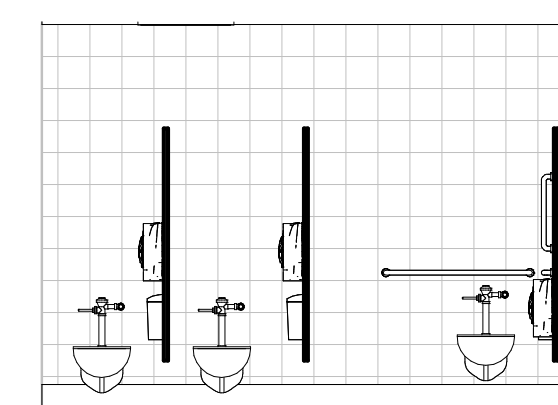
**8 223 & 224 & 164 & 165 LATRINES INTERIOR ELEVATION - ENTRY**  
SCALE: 1/4" = 1'-0"



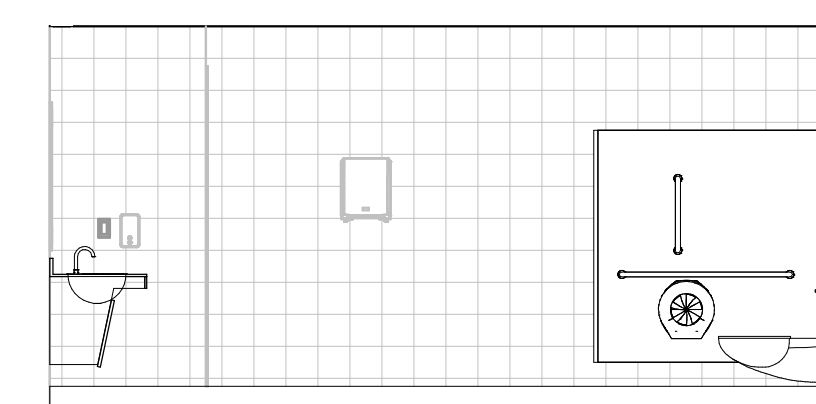
**9 223 & 224 & 164 & 165 LATRINE INTERIOR ELEVATION - LAVATORY**  
SCALE: 1/4" = 1'-0"



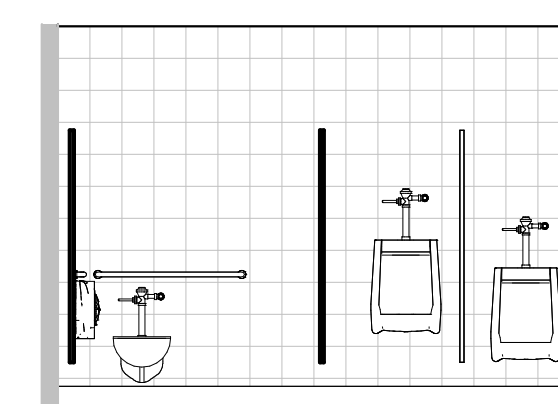
**10 223 & 164 LATRINE FEMALE INTERIOR ELEVATION - WALL**  
SCALE: 1/4" = 1'-0"



**11 223 & 164 LATRINE FEMALE INTERIOR ELEVATION - STALLS**  
SCALE: 1/4" = 1'-0"



**12 224 & 165 LATRINE MALE INTERIOR ELEVATION - WALL**  
SCALE: 1/4" = 1'-0"



**13 224 & 165 LATRINE MALE INTERIOR ELEVATION - STALLS**  
SCALE: 1/4" = 1'-0"

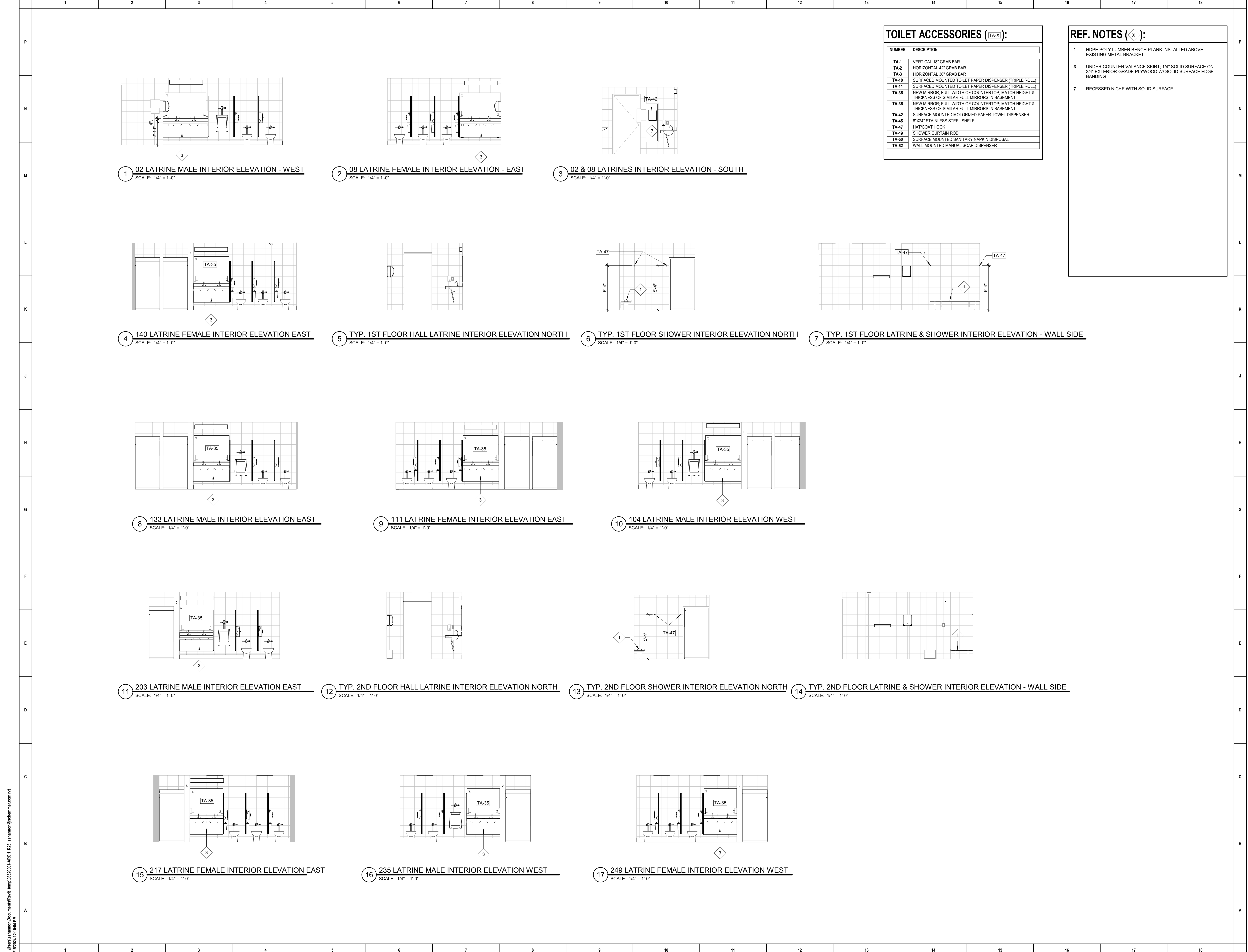
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IOWA ARMY NATIONAL GUARD  
BUILDING A-1 RENOVATE LATRINES  
CONTRACT NO.: C322A1047 PROJECT NO.: 19083795  
5698 NW 78TH AVE., JOHNSTON, IA 50131  
MOUNTING HEIGHTS & INTERIOR  
ELEVATIONS

PROJECT NO.: 08320.001

A201



**TOILET ACCESSORIES (TA-X):**

NUMBER	DESCRIPTION
TA-1	VERTICAL 18" GRAB BAR
TA-2	HORIZONTAL 42" GRAB BAR
TA-3	HORIZONTAL 36" GRAB BAR
TA-10	SURFACED MOUNTED TOILET PAPER DISPENSER (TRIPLE ROLL)
TA-11	SURFACED MOUNTED TOILET PAPER DISPENSER (TRIPLE ROLL)
TA-35	NEW MIRROR, FULL WIDTH OF COUNTERTOP, MATCH HEIGHT & THICKNESS OF SIMILAR FULL MIRRORS IN BASEMENT
TA-35	NEW MIRROR, FULL WIDTH OF COUNTERTOP, MATCH HEIGHT & THICKNESS OF SIMILAR FULL MIRRORS IN BASEMENT
TA-42	SURFACE MOUNTED MOTORIZED PAPER TOWEL DISPENSER
TA-45	8"x24" STAINLESS STEEL SHELF
TA-47	HATCOAT HOOK
TA-49	SHOWER CURTAIN ROD
TA-50	SURFACE MOUNTED SANITARY NAPKIN DISPOSAL
TA-62	WALL MOUNTED MANUAL SOAP DISPENSER

- REF. NOTES (◊):**
- HDPE POLY LUMBER BENCH PLANK INSTALLED ABOVE EXISTING METAL BRACKET
  - UNDER COUNTER VALANCE SKIRT, 1/4" SOLID SURFACE ON 3/4" EXTERIOR-GRADE PLYWOOD W/ SOLID SURFACE EDGE BANDING
  - RECESSED NICHE WITH SOLID SURFACE

DESIGNED: **SCHEMMER**  
 ISSUE DATE: 07/16/2024  
 REVISIONS: No.  
 DRAWN: Author  
 CHECKED: Checker  
 THE DRAWING IS TO BE USED FOR THE PROJECT ONLY. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF SCHEMMER. THE USER AGREES TO HOLD SCHEMMER HARMLESS FROM ANY AND ALL LIABILITY ARISING FROM THE USE OF THIS DRAWING.

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**IOWA ARMY NATIONAL GUARD**  
 BUILDING A-1 RENOVATE LATRINES  
 CONTRACT NO.: C322A1047 PROJECT NO.: 19083795  
 5698 NW 78TH AVE., JOHNSTON, IA 50131  
**INTERIOR ELEVATIONS**

PROJECT NO.: 08320.001

**A202**

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**SYMBOL LEGEND**

Table with 2 columns: Symbol and Description. Includes HVAC Piping (LPS, LPR, MPR, HPS, etc.), Values (Manual Balancing Valve, Isolation Valve, etc.), Plumbing Piping (Sanitary Drain, Storm Drain, etc.), Fire Protection (Sprinkler Drain, Fire Suppression Piping, etc.), and Miscellaneous Symbols (Demolition, New to Existing Connection, etc.).

**ABBREVIATIONS**

Table with 2 columns: Abbreviation and Full Name. Includes A (Compressed Air), AC (Air Compressor), ACC (Air Cooled Condenser), ACZU (Air Cooled Condensing Unit), AD (Air Door), AFV (Auto Flow Control Valve), AHU (Air Handling Unit), AMP (Ampere), APD (Air Pressure Drop), ARU (Air Rotation Unit), AS (Air Separator), ASHP (Air Source Heat Pump), AV (Acid Vent), AW (Acid Waste), B (Boiler), BC (Blower Coil), BO (Boiler), BPF (Backflow Preventer), BTV (Butterfly Valve), BWP (Breaker/Power), BKG (Blogging), BLV (Balancing Valve), BT (Bathtub), BV (Ball Valve), BW (Bedpan Washer), CH (Chiller), CC (Cooling Coil), CD (Condensate Drain), CFM (Cubic Feet Per Minute), CI (Cast Iron), CMU (Concrete Masonry Units), CR (Condenser Water Return), CRAC (Computer Room Air Conditioner), CS (Condenser Water Supply), CSS (Clinical Service Sinks), CT (Cooling Tower), CU (Condensing Unit), CUH (Cabinet Unit Heater), CWR (Chilled Water Return), CWS (Chilled Water Supply), DCW (Dry-Bulb Temperature), DCH (Domestic Cold Water), DEG (Degree), DF (Drinking Fountain), DGCO (Double Grade Cleanout), DH (Emergency Open/Closed Hoses), DHW (Domestic Hot Water), DHWR (Domestic Hot Water Recirculating), DHWP (Domestic Hot Water Recirculating Pump), DI (Deionized Water), DOAS (Dedicated Outdoor Air System), DS (Distilled Water), DSA (Duct Sound Attenuators), DSW (Domestic Soft Cold Water), DSHW (Domestic Soft Hot Water), DSHWR (Domestic Soft Hot Water Recirculating), DSS (Ductless Split System), DST (Domestic Storage Tank), DTW (Domestic Teardrop Water), DTWR (Domestic Teardrop Water Recirculating), DWET (Domestic Water Expansion Tank), EA (Each), EAH (Exhaust Air), EAT (Entering Air Temperature), EDH (Electric Duct Heater), EEW (Emergency Eye Wash), EEWs (Emergency Eye Washes), EF (Exhaust Fan), EFF (Efficiency), EFV (Emergency Face Wash), EH (Exhaust Hood), ERV (Energy Recovery Ventilator), ES (Emergency Shower), ESP (External Static Pressure), ET (Expansion Tank), EUH (Electric Unit Heater), EWC (Electric Water Cooler), EWH (Electric Water Heater), EWT (Entering Water Temperature), F (Fire Suppression Piping), F- (Furnace), FC (Fluid Cooler), FCO (Floor Cleanout), FCU (Fan Coil Unit), FD (Fire Damper), FLA (Full Load Amps), FOR (Fuel Oil Return), FOS (Fuel Oil Supply), FOV (Fuel Oil Vent), FPM (Feet Per Minute), FPS (Feet Per Second), FS (Floor Sink), FSD (Fire/Smoke Damper), FT (Finned Tube), G (Gas), GOWR (Glycol Chilled Water Return), GOWS (Glycol Chilled Water Supply), GD (Garbage Disposal), GDH (Gas Duct Heater), GCHR (Glycol Hot/Chilled Water Return), GHCS (Glycol Hot/Chilled Water Supply), GHWR (Glycol Hot Water Return), GHWS (Glycol Hot Water Supply), GI (Grease Interceptor), GPD (Gallons Per Day), GPH (Gallons Per Hour), GPM (Gallons Per Minute), GV (Gas Vent), GWH (Gas Water Heater), H (Humidifier), HB (Hose Bibb), HC (Heating Coil), HCR (Hot/Chilled Water Return), HCS (Hot/Chilled Water Supply), HP (Horsepower), HP (Heat Pump), HPR (High Pressure Return), HPS (High Pressure Steam), HRC (Heat Recovery Coil), HRS (High Volume Low Speed), HWR (Hot Water Return (Heating)), HWS (Hot Water Supply (Heating)), HX (Heat Exchanger), HY (Hydrants), I (Intake Hood), IHR (Infrared Radiant Heater), IH (Kitchen Hood), KW (Kilowatt), KWH (Kilowatt Hours), L (Lavatory), LAT (Leaving Air Temperature), LPR (Low Pressure Return), LPS (Liquified Petroleum Gas), LRS (Low Pressure Steam), LRA (Locked Rotor Amps), LVS (Laundry Sink), LV (Louver), LWT (Leaving Water Temperature), MAU (Make-Up Air Unit), MAX (Maximum), MBH (100 Btu/h), MCA (Minimum Circuit Amps), MD (Motorized Damper), MN (Minimum), MOC (Maximum Overcurrent Protection), MPR (Medium Pressure Return), MPS (Medium Pressure Steam), MOP (Maximum Overpressure Protection), N (Normally Closed), NO (Normally Open), NPOW (Nonpotable Cold Water), NPHW (Nonpotable Hot Water), NPHWR (Nonpotable Hot Water Recirculating), OA (Outside Air), OB (Outlet Box), OI (Oil Interceptor), ORD (Overflow Roof Drain), OST (Overflow Storm Water), OX (Oxygen), P (Pump), PHC (Preheat Coil), PIV (Post Indicating Valve), PRV (Pressure Regulating Valve), PSF (Pounds Per Square Foot), PSPI (Pounds Per Square Inch Gauge), PTAC (Packaged Terminal Air Conditioner), S (Sink), SA (Supply Air), SAN (Sanitary Sewer), SD (Smoke Damper), SF (Supply Fan), SFU (Sanitary Fixture Unit), SH (Shower), SOI (Sand Oil Interceptor), SP (Static Pressure), SPP (Sump Pump), SSS (Surgical Scrub Sink), ST (Storm Water), T (Thermostat), TD (Trench Drain), TMV (Thermostatic Mixing Valve), TONS (Tons of Refrigeration), TSP (Total Static Pressure), UH (Unit Heater), UR (Urinal), V (Vent), VAC (Vacuum), VAV (Variable Air Volume), VD (Volume Damper), VEL (Velocity), VFD (Variable Frequency Drive), VTR (Vent Thru Roof), WB (Wet Bulb), WC (Water Closets), WCO (Wall Cleanout), WF (Wash Fountains), WFLU (Water Fixture Units), WH (Wall Hydrant), WMB (Washing Machine Box), WPD (Water Pressure Drop), WS (Water Softener), WSHR (Water Source Heat Pump), WWP (Water to Water Heat Pump), YH (Yard Hydrant)

**GENERAL DEMOLITION NOTES**

A. THE ENTIRE BUILDING SHALL BE COVERED BY A WET PIPE SPRINKLER SYSTEM, HYDRAULICALLY DESIGNED IN ACCORDANCE WITH NFPA 13.

B. INTERMEDIATE TEMPERATURE CLASSIFICATION SPRINKLER HEADS SHALL BE PROVIDED IN THE MECHANICAL AND ELECTRICAL ROOMS. SPRINKLERS SHALL BE PROVIDED WITH GUARDS.

C. FIRE SPRINKLER SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 13. CONTRACTOR IS RESPONSIBLE FOR SELECTION OF COMPONENTS BASED ON THIS CRITERION, AND THOSE SET FORTH IN THE SPECIFICATIONS.

D. ALL PIPING IN CONCEALED LOCATIONS SHALL BE ROUTED AT RIGHT ANGLES AND PARALLEL TO BUILDING WALLS UNLESS OTHERWISE INDICATED.

E. SUBMIT SHOP DRAWINGS OF ENTIRE SPRINKLER SYSTEM AFTER REVIEW AND APPROVAL HAVE BEEN ACCOMPLISHED BY THE FIRE MARSHALL. SUBMIT ONLY APPROVED SHOP DRAWINGS TO THE ENGINEER FOR REVIEW. SUBMITTAL SHALL INCLUDE ALL COMPONENTS INCLUDING SPRINKLERS, FLOW SWITCHES, PIPING AND SUPPORTS.

**GENERAL NOTES**

PROJECT FIRE PROTECTION REFERENCED DEMOLITION NOTES  
SEE INDIVIDUAL SHEETS FOR REFERENCE NOTES.

PROJECT FIRE PROTECTION REFERENCED NOTES  
SEE INDIVIDUAL SHEETS FOR REFERENCE NOTES.

**REF. DEMO NOTES (X)**

SEE INDIVIDUAL SHEETS FOR REFERENCE NOTES.

**REF. NOTES (X)**

SEE INDIVIDUAL SHEETS FOR REFERENCE NOTES.

**REFERENCE LEGEND**

Table with 2 columns: Symbol and Description. Includes Duct Size (X" diameter, width, height), Pipe Size (X" pipe size), Plumbing Fixtures (XXX-1 plumbing fixture designation), Room/Space Number (Room Name, Room Number), Equipment Number (XX-1 equipment number), Reference Demolition Note (Demolition designation), Reference Note (Reference designation), Plan Detail (Detail Number, Sheet Number), Section/Detail (Section/Detail Number, Sheet Number, Direction of View), New Column (Letter/Number indicates new column line), Existing Column (Letter/Number indicates existing column line), Matchline (Area A, Area B), Level (Level Callout Designation, Name, Elevation), Title Marker (Graphic Area for Drawing, Drawing/Detail Number, View Name, Title, Scale of the Drawing), North Arrow (North, Plan North, True North)

**FIRE PROTECTION SHEET LIST**

Table with 2 columns: Sheet Number and Description. Includes FP 00 (Fire Protection Info Sheet), FP100 (Floor Plan - Fire Protection), FP101 (Floor Plan - Fire Protection).

**DESIGNED:**

Table with 2 columns: Role and Name. Includes DESIGNED: ANK, DRAWN: ANK, CHECKED: JEK, ISSUE DATE: 07/18/2024, REVISIONS: No.

**100% TYPE B SUBMITTAL**

SCHMIDT R  
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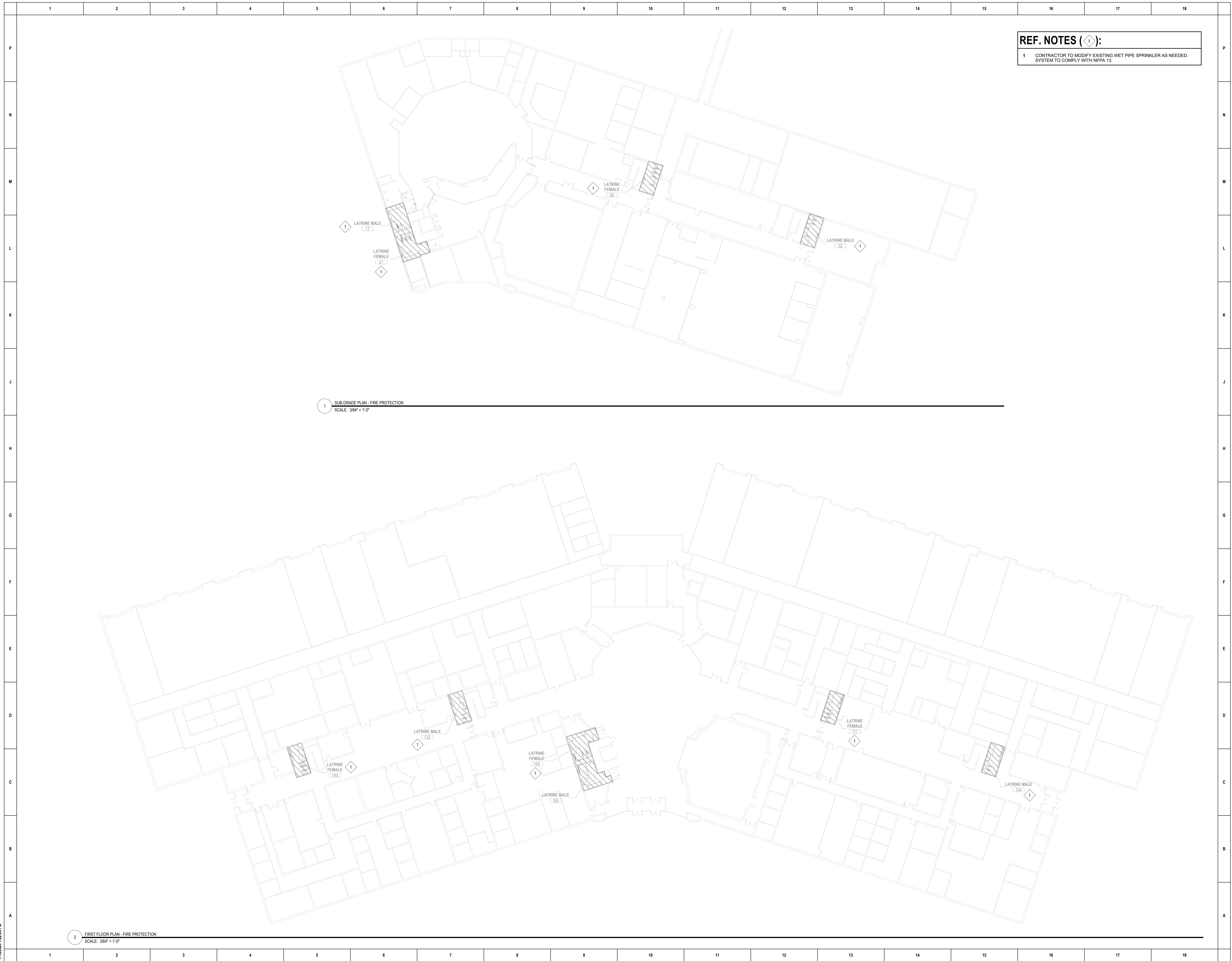
**IOWA ARMY NATIONAL GUARD**

BUILDING A-1 RENOVATE LATRINES  
CONTRACT NO.: C322A1047 PROJECT NO.: 19083795  
5698 NW 78TH AVE, JOHNSTON, IA 50131

**FIRE PROTECTION INFO SHEET**

PROJECT NO.: 08320.001  
FP 00

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**REF. NOTES (1):**

1 CONTRACTOR TO MODIFY EXISTING WET PIPE SPRINKLER AS NEEDED. SYSTEM TO COMPLY WITH NFPA 13.

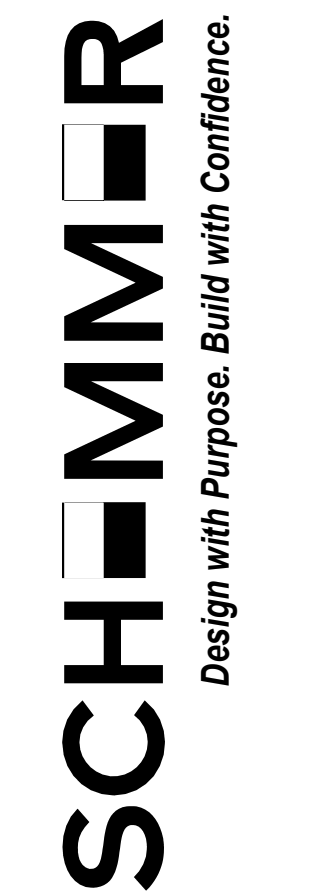
1 SUB-GRADE PLAN - FIRE PROTECTION  
SCALE: 3/64" = 1'-0"

2 FIRST FLOOR PLAN - FIRE PROTECTION  
SCALE: 3/64" = 1'-0"

DESIGNED:	ANK	ISSUE DATE:	07/16/2024
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CHECKED:	JEK	NO.:	
		DATE:	
		BY:	
		DESCRIPTION:	

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**BUILDING A-1 RENOVATE LATRINES**  
 CONTRACT NO.: C322A1047 PROJECT NO.: 19083795  
 5698 NW 78TH AVE, JOHNSTON, IA 50131

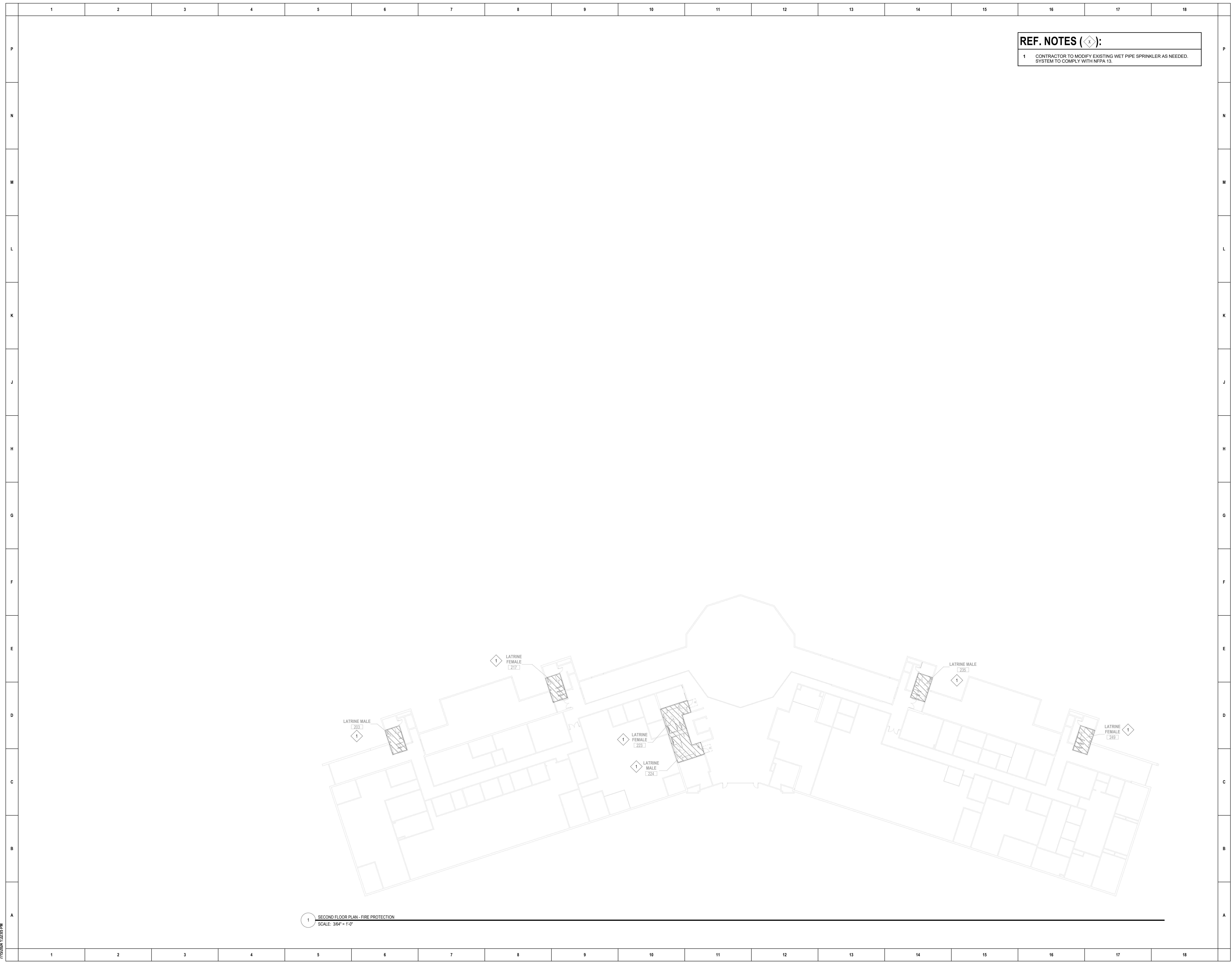
**FLOOR PLAN - FIRE PROTECTION**

PROJECT NO.: 08320.001

**FP100**



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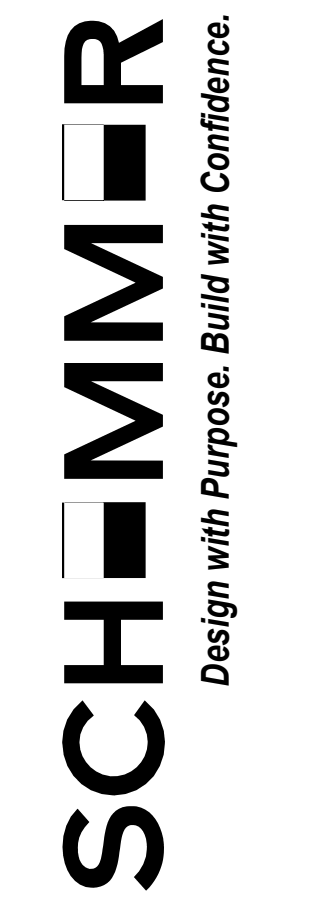


**REF. NOTES** (1):

1 CONTRACTOR TO MODIFY EXISTING WET PIPE SPRINKLER AS NEEDED. SYSTEM TO COMPLY WITH NFPA 13.

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 BUILDING A-1 RENOVATE LATRINES  
 CONTRACT NO.: C322A1047 PROJECT NO.: 19083795  
 5698 NW 78TH AVE, JOHNSTON, IA 50131  
**FLOOR PLAN - FIRE PROTECTION**

PROJECT NO.: 08320.001

**FP101**

SYMBOL LEGEND

Table listing symbols for HVAC Piping, Plumbing Piping, Fire Protection, and other mechanical components.

ABBREVIATIONS

Table listing abbreviations for various mechanical components and materials.

GENERAL DEMOLITION NOTES

Notes detailing demolition procedures, safety requirements, and material handling instructions.

GENERAL NOTES

General notes regarding construction standards, material specifications, and coordination requirements.

REF. DEMO NOTES

Reference notes for demolition work, including specific instructions for removal and disposal.

REF. NOTES

Reference notes for general construction and mechanical work.

REFERENCE LEGEND

Table defining symbols for duct size, pipe size, plumbing fixtures, room numbers, equipment, and reference notes.

MECHANICAL SHEET LIST

Table listing mechanical sheets, including sheet numbers, titles, and descriptions.

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Table listing mechanical sheets, including sheet numbers, titles, and descriptions.

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CHECKED: JEK DATE:
PROJECT NO.: 19083795

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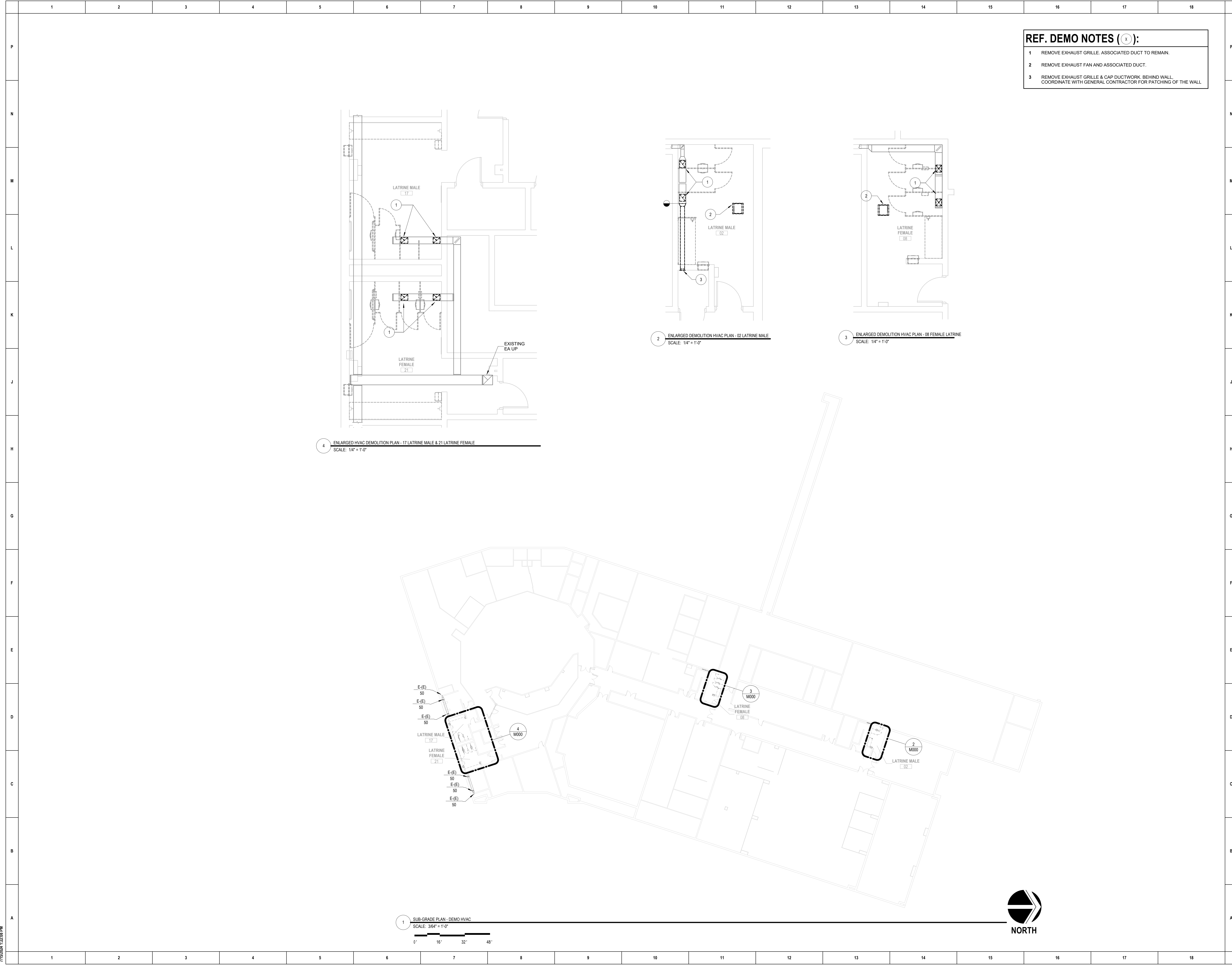
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BUILDING A-1 RENOVATE LATRINES
CONTRACT NO.: C322A1047 PROJECT NO.: 19083795
5698 NW 78TH AVE, JOHNSTON, IA 50131
MECHANICAL INFO SHEET

PROJECT NO.: 08320.001

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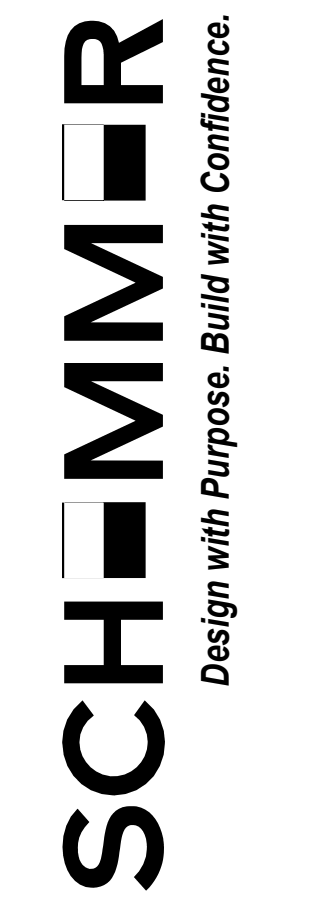
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REF. DEMO NOTES (X):	
1	REMOVE EXHAUST GRILLE. ASSOCIATED DUCT TO REMAIN.
2	REMOVE EXHAUST FAN AND ASSOCIATED DUCT.
3	REMOVE EXHAUST GRILLE & CAP DUCTWORK BEHIND WALL. COORDINATE WITH GENERAL CONTRACTOR FOR PATCHING OF THE WALL.

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CHECKED:	JEK	NO.:	
		DATE:	
		BY:	DESCRIPTION:

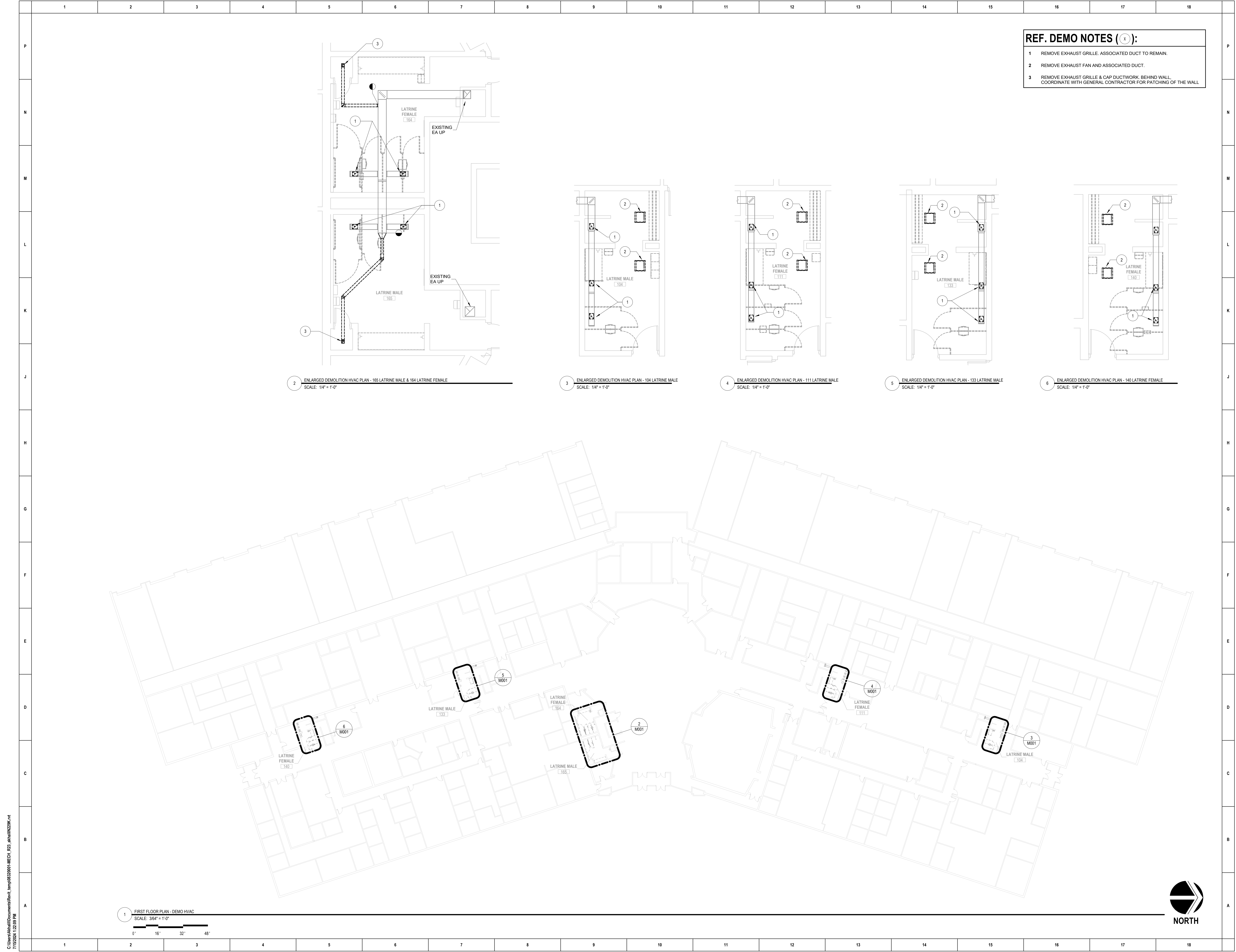
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 BUILDING A-1 RENOVATE LATRINES  
 CONTRACT NO.: C322A1047 PROJECT NO.: 19083795  
 5698 NW 78TH AVE, JOHNSTON, IA 50131  
 SUBGRADE DEMOLITION PLAN - MECHANICAL

PROJECT NO.: 08320.001

M000



**REF. DEMO NOTES (X):**

- 1 REMOVE EXHAUST GRILLE. ASSOCIATED DUCT TO REMAIN.
- 2 REMOVE EXHAUST FAN AND ASSOCIATED DUCT.
- 3 REMOVE EXHAUST GRILLE & CAP DUCTWORK. BEHIND WALL. COORDINATE WITH GENERAL CONTRACTOR FOR PATCHING OF THE WALL.

2 ENLARGED DEMOLITION HVAC PLAN - 165 LATRINE MALE & 164 LATRINE FEMALE  
SCALE: 1/4" = 1'-0"

3 ENLARGED DEMOLITION HVAC PLAN - 104 LATRINE MALE  
SCALE: 1/4" = 1'-0"

4 ENLARGED DEMOLITION HVAC PLAN - 111 LATRINE MALE  
SCALE: 1/4" = 1'-0"

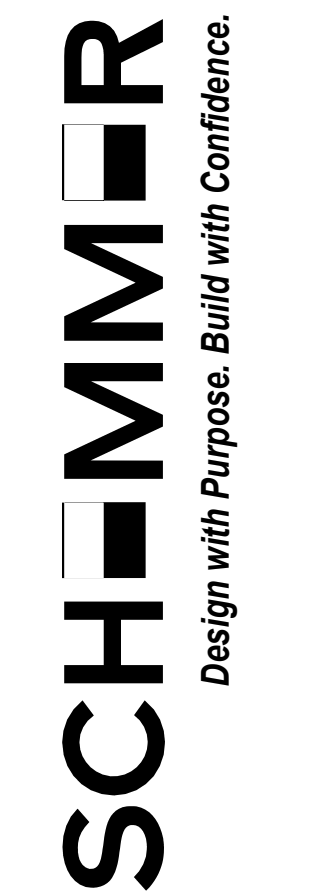
5 ENLARGED DEMOLITION HVAC PLAN - 133 LATRINE MALE  
SCALE: 1/4" = 1'-0"

6 ENLARGED DEMOLITION HVAC PLAN - 140 LATRINE FEMALE  
SCALE: 1/4" = 1'-0"

1 FIRST FLOOR PLAN - DEMO HVAC  
SCALE: 3/8" = 1'-0"

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<small>THE ENGINEER'S BOARD SHALL HAVE NO LIABILITY FOR THIS DRAWING UNLESS IT IS PREPARED BY A LICENSED PROFESSIONAL ENGINEER OR ARCHITECT. THE ENGINEER'S BOARD SHALL NOT BE RESPONSIBLE FOR ANY PART OF THIS DRAWING THAT IS NOT PREPARED BY THE ENGINEER OR ARCHITECT.</small>			

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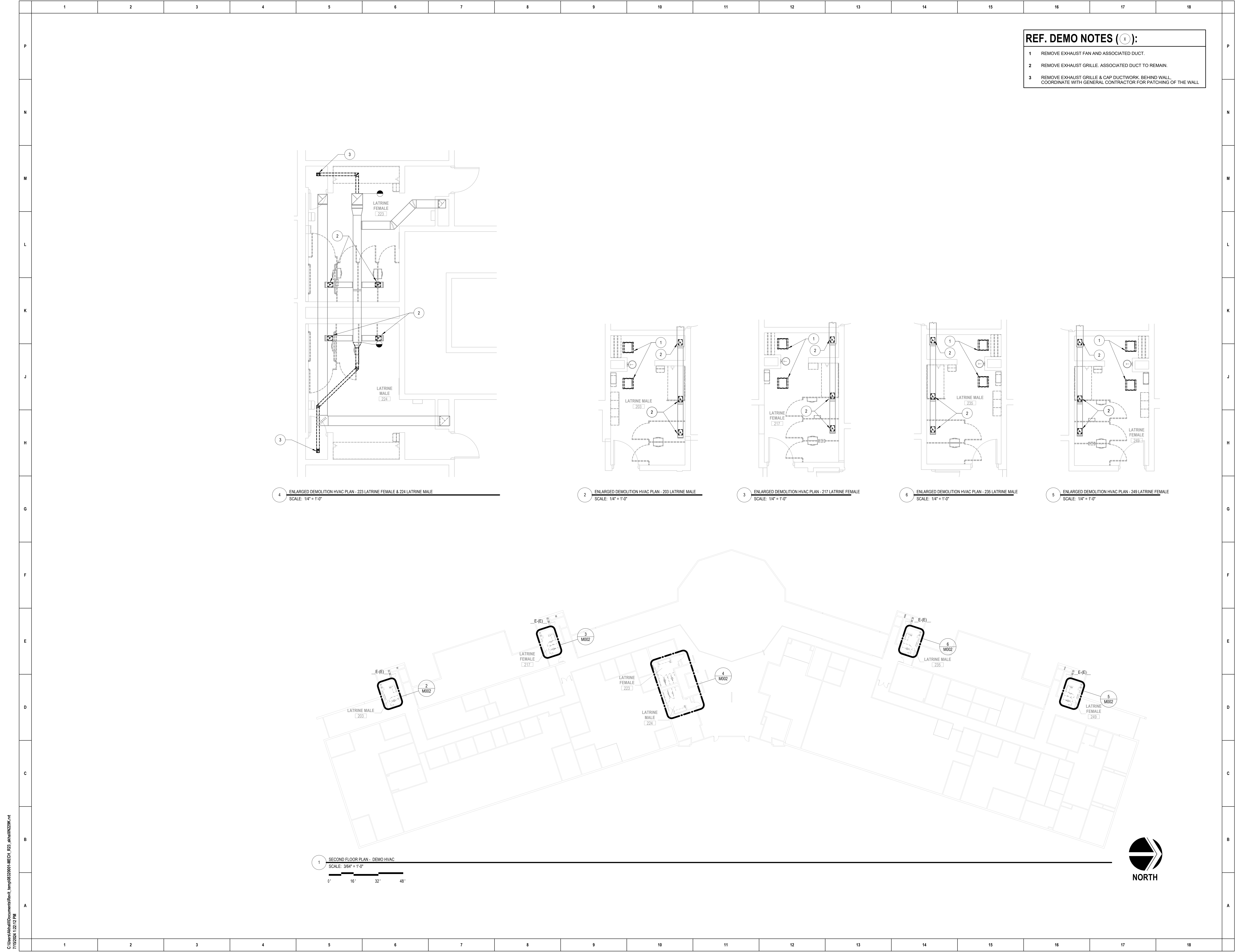


**IOWA ARMY NATIONAL GUARD**  
**BUILDING A-1 RENOVATE LATRINES**  
 CONTRACT NO.: C322A1047 PROJECT NO.: 19083795  
 5698 NW 78TH AVE., JOHNSTON, IA 50131  
**FIRST FLOOR DEMOLITION PLAN - MECHANICAL**

PROJECT NO.: 08320.001

**M001**

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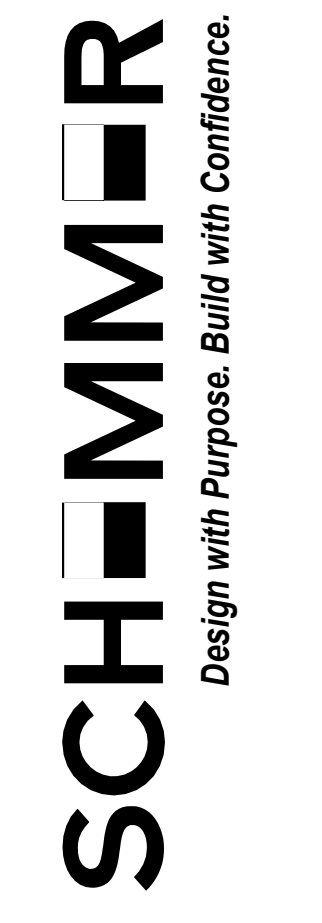


REF. DEMO NOTES (X):	
1	REMOVE EXHAUST FAN AND ASSOCIATED DUCT.
2	REMOVE EXHAUST GRILLE. ASSOCIATED DUCT TO REMAIN.
3	REMOVE EXHAUST GRILLE & CAP DUCTWORK. BEHIND WALL. COORDINATE WITH GENERAL CONTRACTOR FOR PATCHING OF THE WALL.

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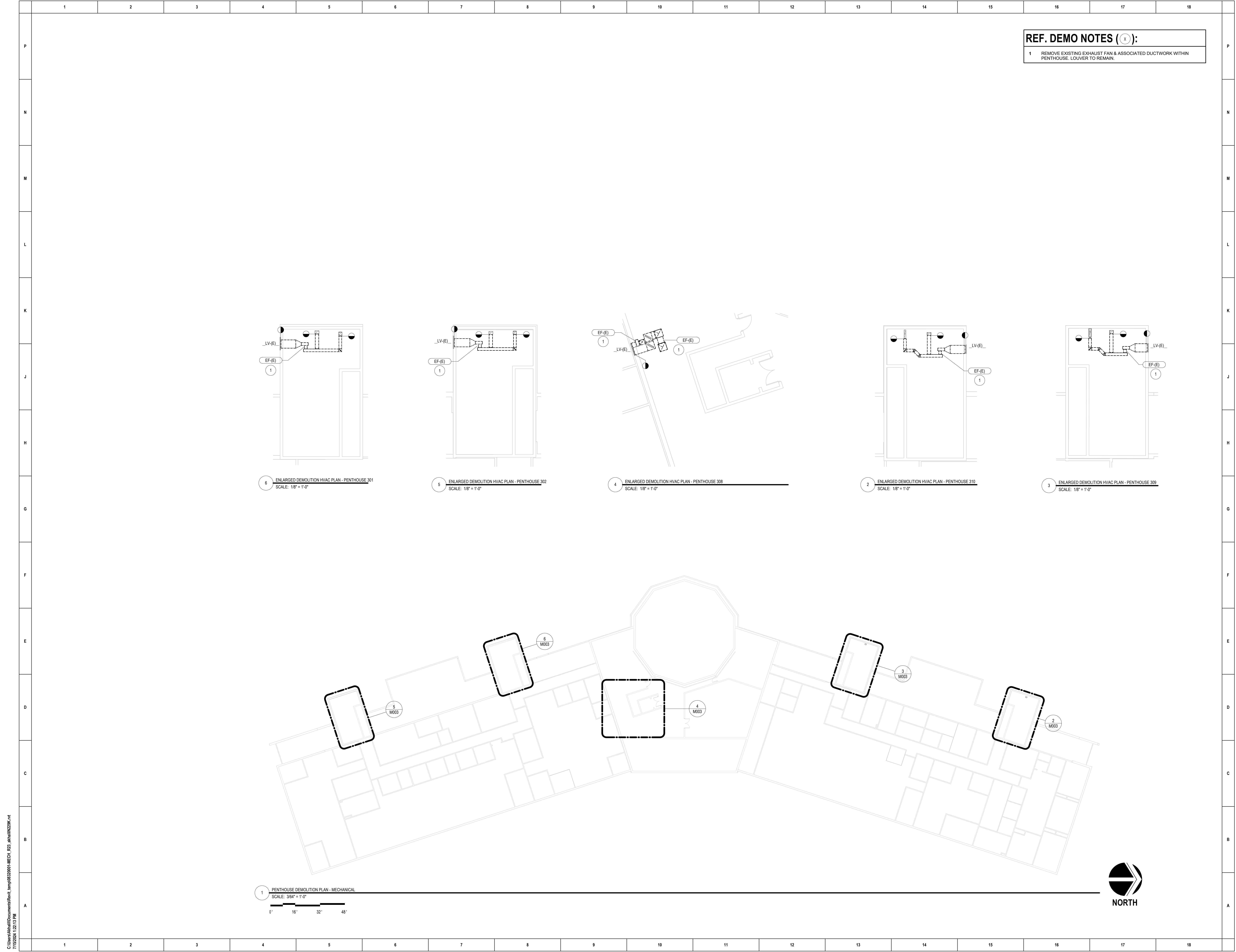
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**IOWA ARMY NATIONAL GUARD**  
 BUILDING A-1 RENOVATE LATRINES  
 CONTRACT NO.: C322A1047 PROJECT NO.: 19083795  
 5698 NW 78TH AVE, JOHNSTON, IA 50131  
**SECOND FLOOR DEMOLITION PLAN - MECHANICAL**

PROJECT NO.: 08320.001

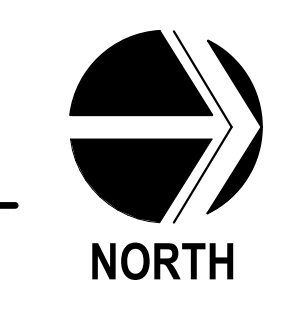
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**REF. DEMO NOTES (X):**  
 1 REMOVE EXISTING EXHAUST FAN & ASSOCIATED DUCTWORK WITHIN PENTHOUSE. LOUVER TO REMAIN.

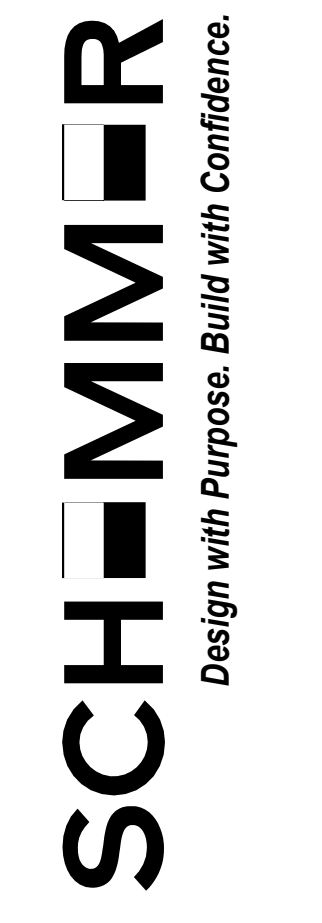
6 ENLARGED DEMOLITION HVAC PLAN - PENTHOUSE 301 SCALE: 1/8" = 1'-0"  
 5 ENLARGED DEMOLITION HVAC PLAN - PENTHOUSE 302 SCALE: 1/8" = 1'-0"  
 4 ENLARGED DEMOLITION HVAC PLAN - PENTHOUSE 308 SCALE: 1/8" = 1'-0"  
 2 ENLARGED DEMOLITION HVAC PLAN - PENTHOUSE 310 SCALE: 1/8" = 1'-0"  
 3 ENLARGED DEMOLITION HVAC PLAN - PENTHOUSE 309 SCALE: 1/8" = 1'-0"

1 PENTHOUSE DEMOLITION PLAN - MECHANICAL SCALE: 3/64" = 1'-0"  
 0' 16' 32' 48'



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CHECKED:	JEK	NO.:	
		DATE:	
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		DESCRIPTION:	

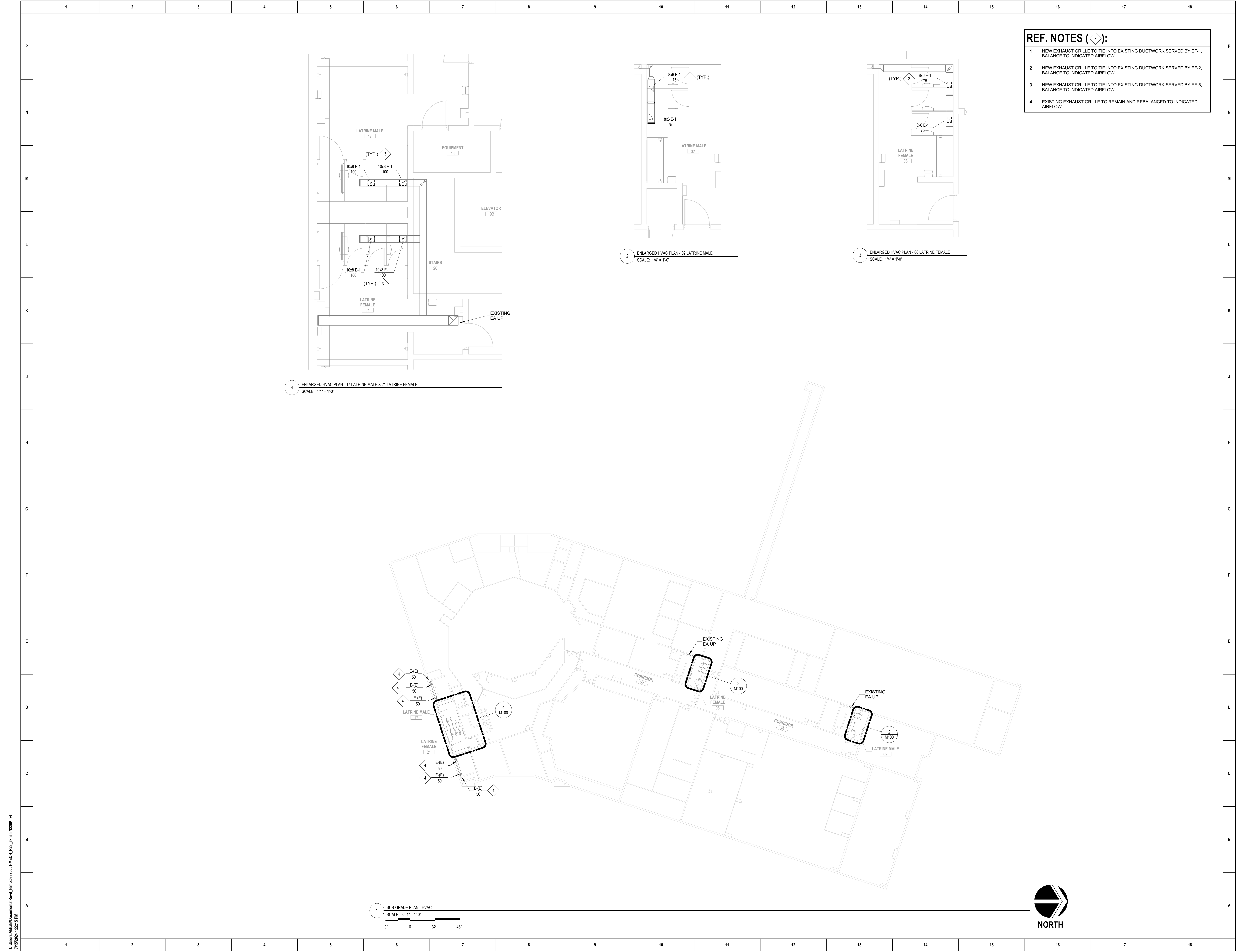
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**IOWA ARMY NATIONAL GUARD**  
 BUILDING A-1 RENOVATE LATRINES  
 CONTRACT NO.: C322A1047 PROJECT NO.: 19083795  
 5698 NW 78TH AVE, JOHNSTON, IA 50131  
**PENTHOUSE DEMOLITION PLAN - MECHANICAL**

PROJECT NO.: 08320.001

**M003**



- REF. NOTES** (X):
- 1 NEW EXHAUST GRILLE TO TIE INTO EXISTING DUCTWORK SERVED BY EF-1, BALANCE TO INDICATED AIRFLOW.
  - 2 NEW EXHAUST GRILLE TO TIE INTO EXISTING DUCTWORK SERVED BY EF-2, BALANCE TO INDICATED AIRFLOW.
  - 3 NEW EXHAUST GRILLE TO TIE INTO EXISTING DUCTWORK SERVED BY EF-5, BALANCE TO INDICATED AIRFLOW.
  - 4 EXISTING EXHAUST GRILLE TO REMAIN AND REBALANCED TO INDICATED AIRFLOW.

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		BY:	DESCRIPTION:

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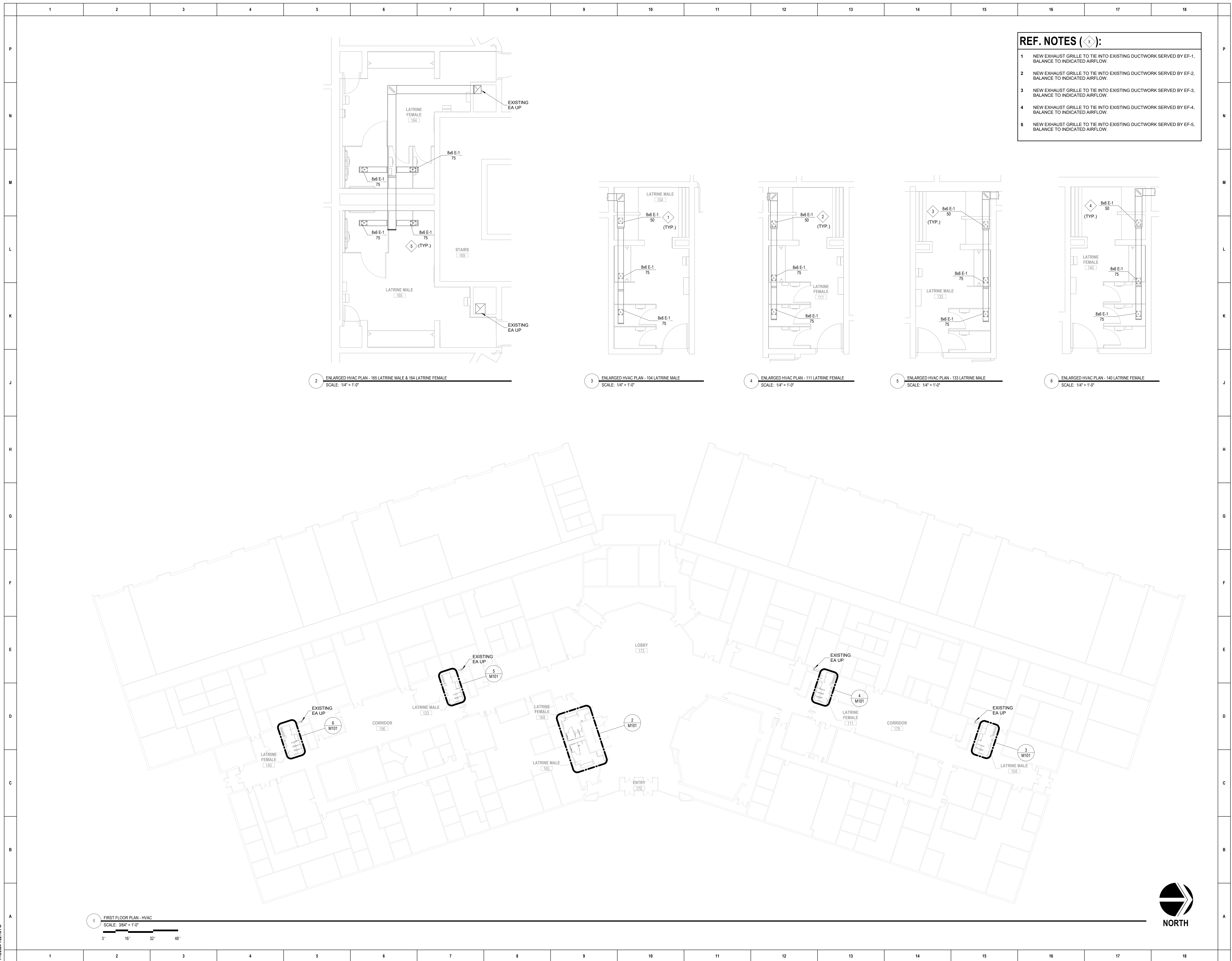
**IOWA ARMY NATIONAL GUARD**  
**BUILDING A-1 RENOVATE LATRINES**  
 CONTRACT NO.: C322A1047 PROJECT NO.: 19083795  
 5698 NW 78TH AVE, JOHNSTON, IA 50131  
**SUBGRADE FLOOR PLAN - MECHANICAL**

PROJECT NO.: 08320.001

**M100**

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- REF. NOTES (X):**
- 1 NEW EXHAUST GRILLE TO TIE INTO EXISTING DUCTWORK SERVED BY EF-1. BALANCE TO INDICATED AIRFLOW.
  - 2 NEW EXHAUST GRILLE TO TIE INTO EXISTING DUCTWORK SERVED BY EF-2. BALANCE TO INDICATED AIRFLOW.
  - 3 NEW EXHAUST GRILLE TO TIE INTO EXISTING DUCTWORK SERVED BY EF-3. BALANCE TO INDICATED AIRFLOW.
  - 4 NEW EXHAUST GRILLE TO TIE INTO EXISTING DUCTWORK SERVED BY EF-4. BALANCE TO INDICATED AIRFLOW.
  - 5 NEW EXHAUST GRILLE TO TIE INTO EXISTING DUCTWORK SERVED BY EF-5. BALANCE TO INDICATED AIRFLOW.

2 ENLARGED HVAC PLAN - 105 LATRINE MALE & 104 LATRINE FEMALE  
SCALE: 1/4" = 1'-0"

3 ENLARGED HVAC PLAN - 104 LATRINE MALE  
SCALE: 1/4" = 1'-0"

4 ENLARGED HVAC PLAN - 111 LATRINE FEMALE  
SCALE: 1/4" = 1'-0"

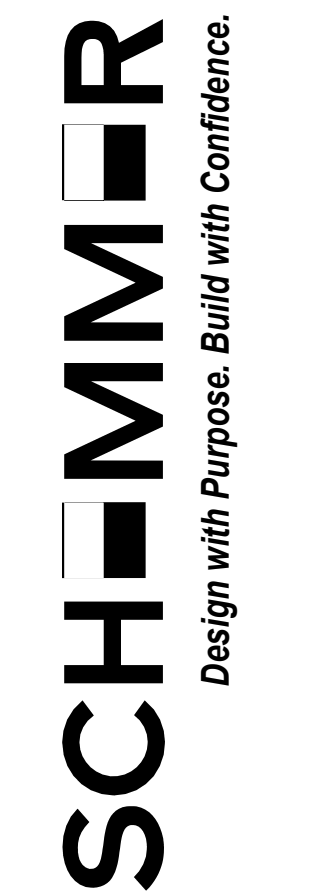
5 ENLARGED HVAC PLAN - 133 LATRINE MALE  
SCALE: 1/4" = 1'-0"

6 ENLARGED HVAC PLAN - 140 LATRINE FEMALE  
SCALE: 1/4" = 1'-0"

1 FIRST FLOOR PLAN - HVAC  
SCALE: 3/64" = 1'-0"

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		BY:	DESCRIPTION:

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SUBMITTAL



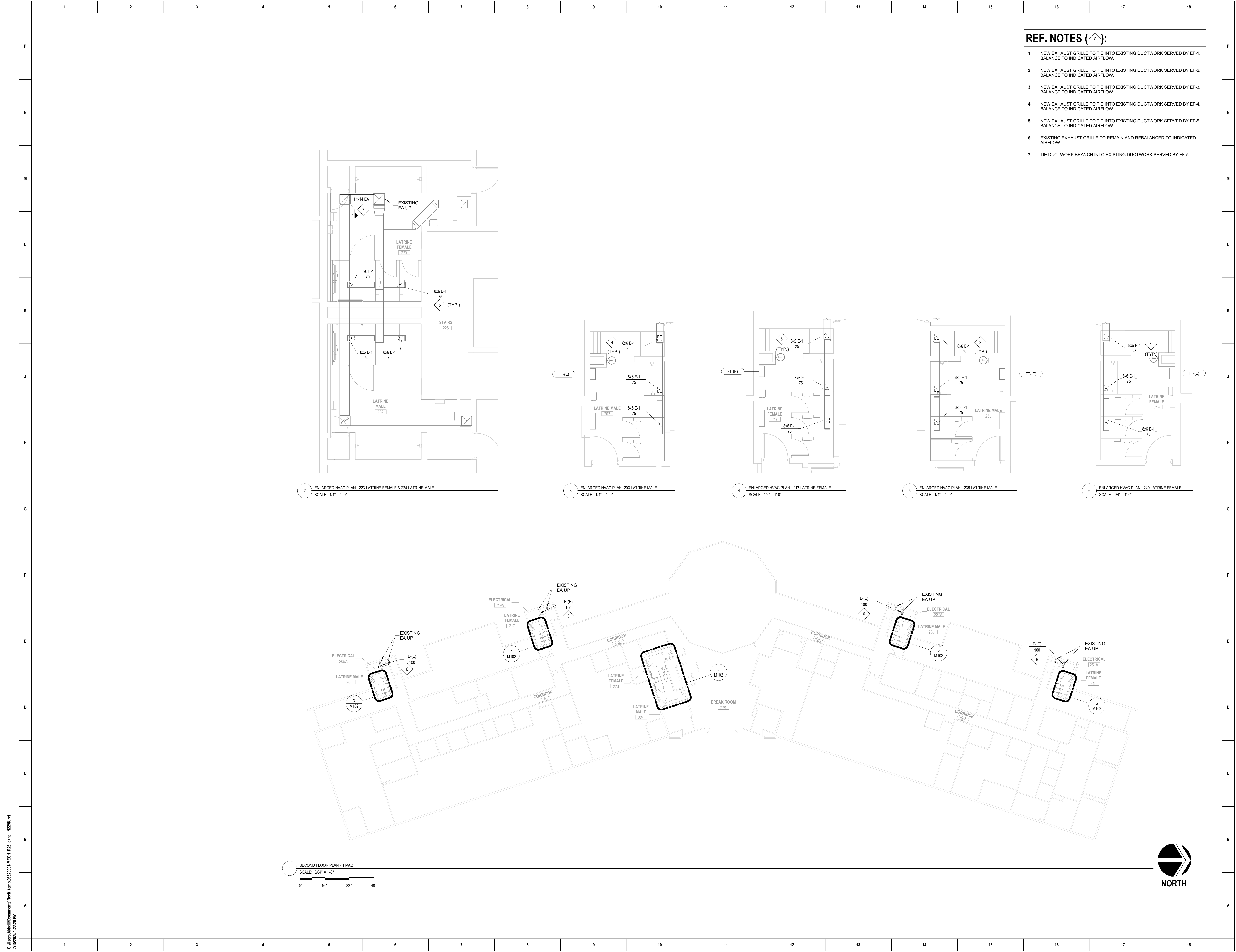
IOWA ARMY NATIONAL GUARD  
 BUILDING A-1 RENOVATE LATRINES  
 CONTRACT NO.: C322A1047 PROJECT NO.: 19083795  
 5698 NW 78TH AVE., JOHNSTON, IA 50131  
**FIRST FLOOR PLAN - MECHANICAL**

PROJECT NO.: 08320.001

M101







- REF. NOTES (X):**
- 1 NEW EXHAUST GRILLE TO TIE INTO EXISTING DUCTWORK SERVED BY EF-1. BALANCE TO INDICATED AIRFLOW.
  - 2 NEW EXHAUST GRILLE TO TIE INTO EXISTING DUCTWORK SERVED BY EF-2. BALANCE TO INDICATED AIRFLOW.
  - 3 NEW EXHAUST GRILLE TO TIE INTO EXISTING DUCTWORK SERVED BY EF-3. BALANCE TO INDICATED AIRFLOW.
  - 4 NEW EXHAUST GRILLE TO TIE INTO EXISTING DUCTWORK SERVED BY EF-4. BALANCE TO INDICATED AIRFLOW.
  - 5 NEW EXHAUST GRILLE TO TIE INTO EXISTING DUCTWORK SERVED BY EF-5. BALANCE TO INDICATED AIRFLOW.
  - 6 EXISTING EXHAUST GRILLE TO REMAIN AND REBALANCED TO INDICATED AIRFLOW.
  - 7 TIE DUCTWORK BRANCH INTO EXISTING DUCTWORK SERVED BY EF-5.

2 ENLARGED HVAC PLAN - 223 LATRINE FEMALE & 224 LATRINE MALE  
SCALE: 1/4" = 1'-0"

3 ENLARGED HVAC PLAN - 203 LATRINE MALE  
SCALE: 1/4" = 1'-0"

4 ENLARGED HVAC PLAN - 217 LATRINE FEMALE  
SCALE: 1/4" = 1'-0"

5 ENLARGED HVAC PLAN - 235 LATRINE MALE  
SCALE: 1/4" = 1'-0"

6 ENLARGED HVAC PLAN - 249 LATRINE FEMALE  
SCALE: 1/4" = 1'-0"

1 SECOND FLOOR PLAN - HVAC  
SCALE: 3/8" = 1'-0"



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 BUILDING A-1 RENOVATE LATRINES  
 CONTRACT NO.: C322A1047 PROJECT NO.: 19083795  
 5698 NW 78TH AVE, JOHNSTON, IA 50131  
 SECOND FLOOR PLAN - MECHANICAL

PROJECT NO.: 08320.001

M102

**FAN SCHEDULE**

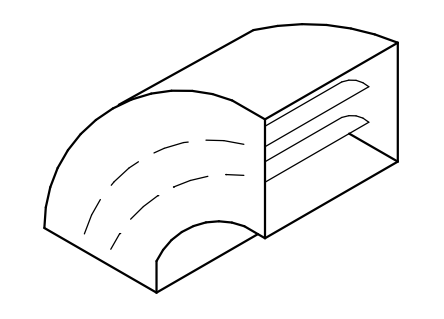
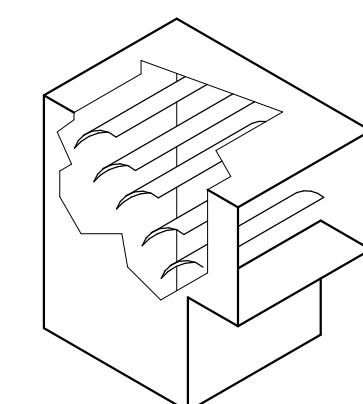
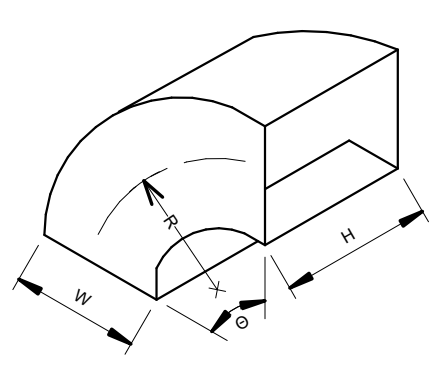
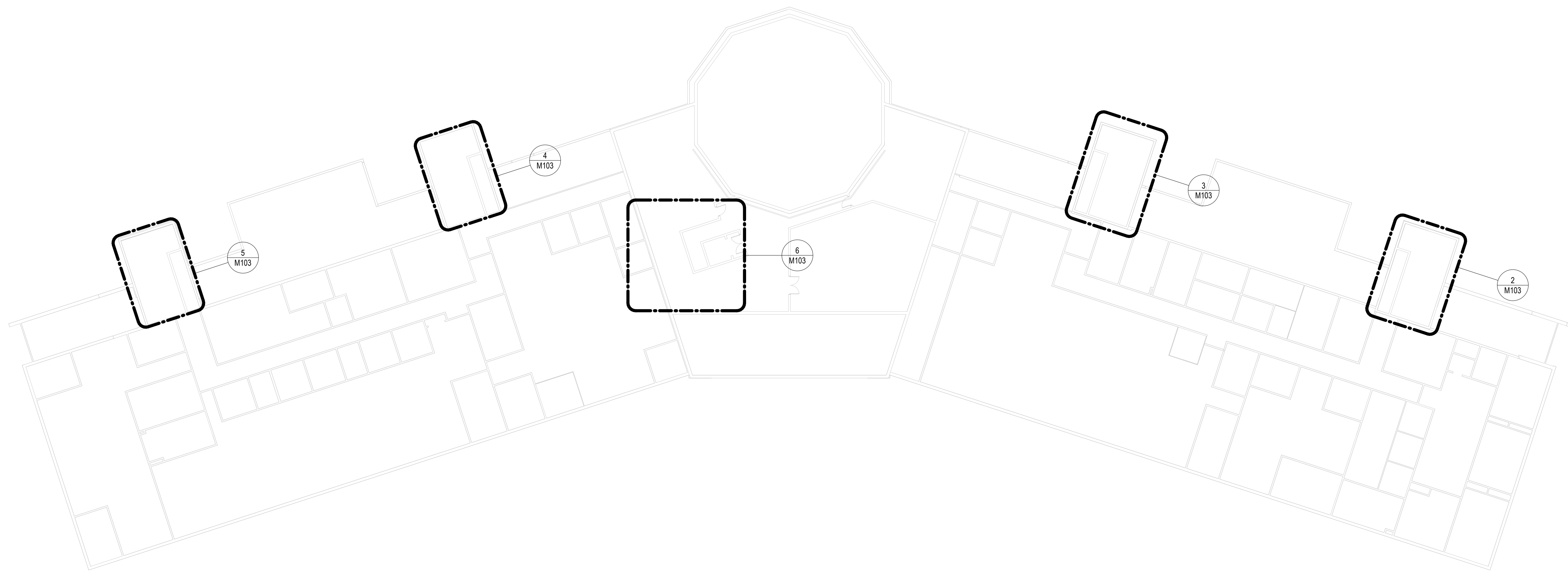
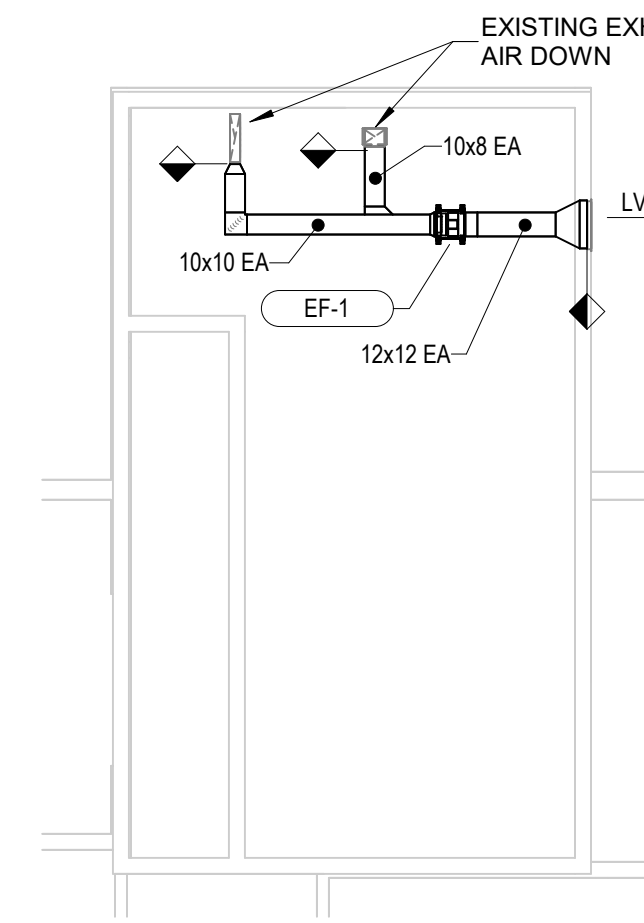
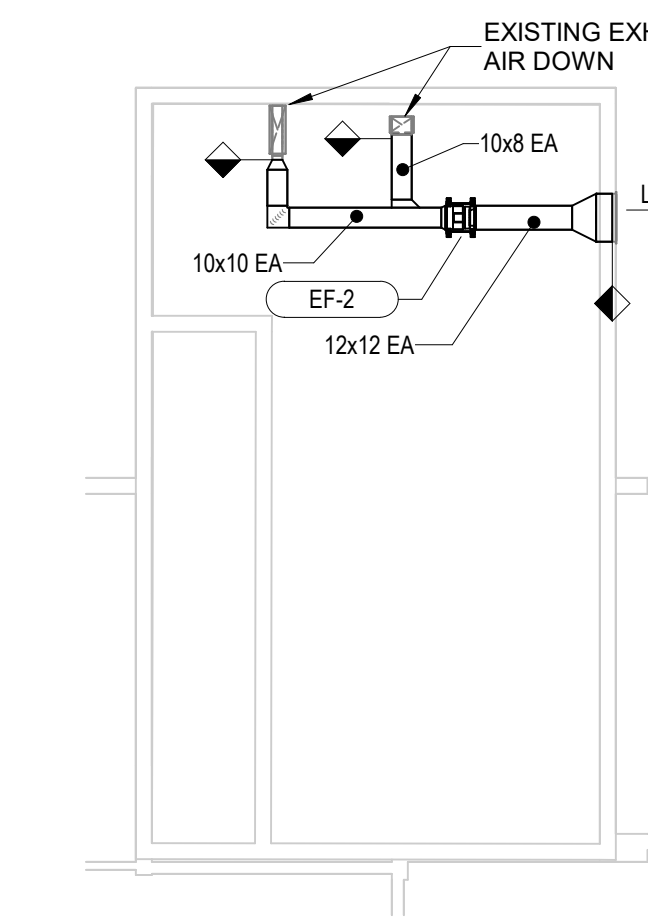
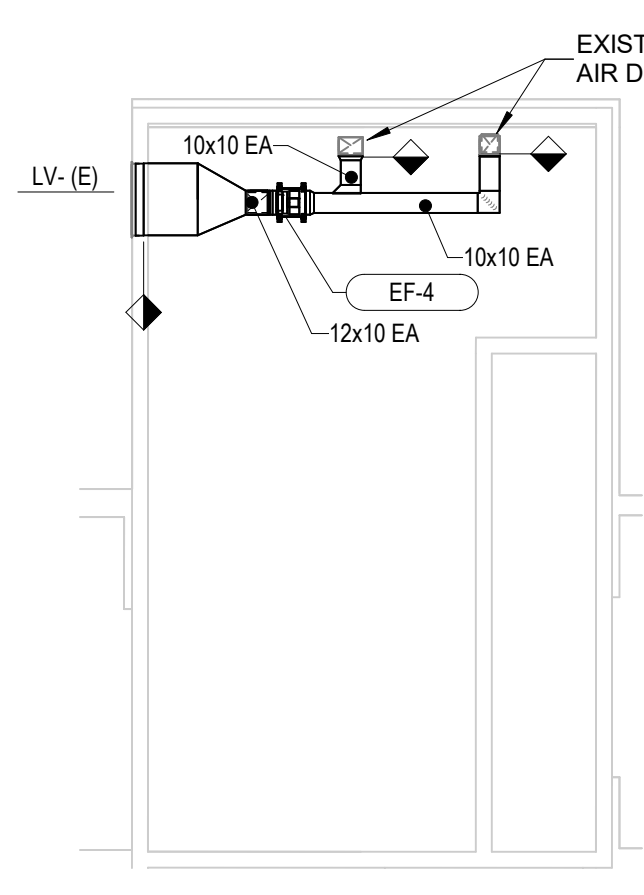
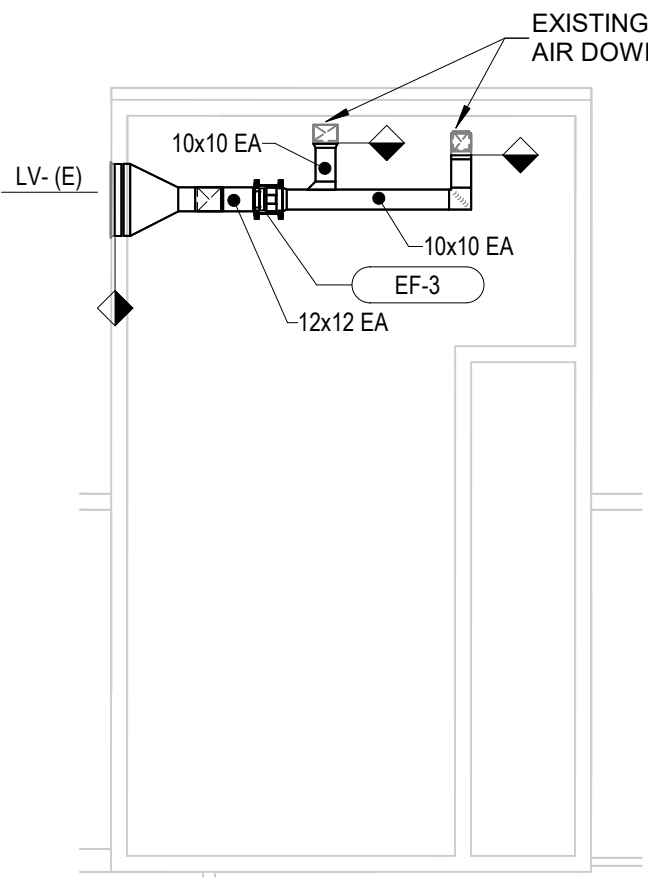
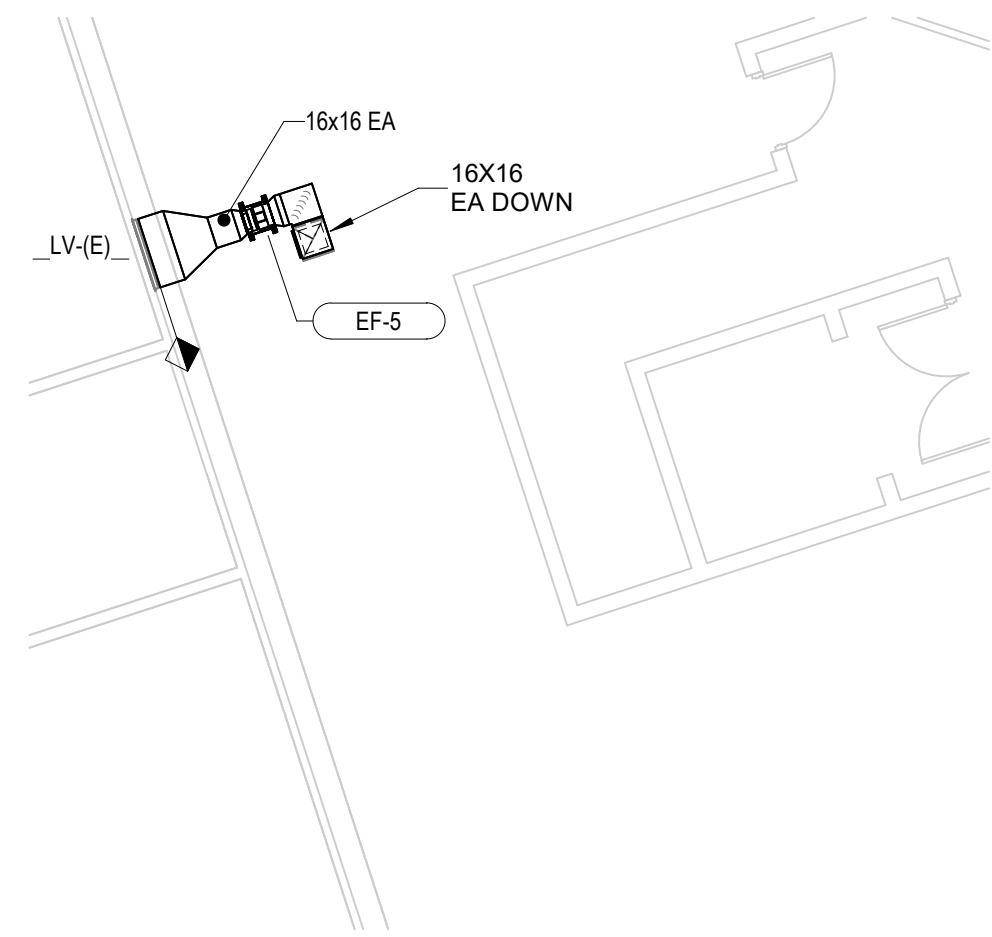
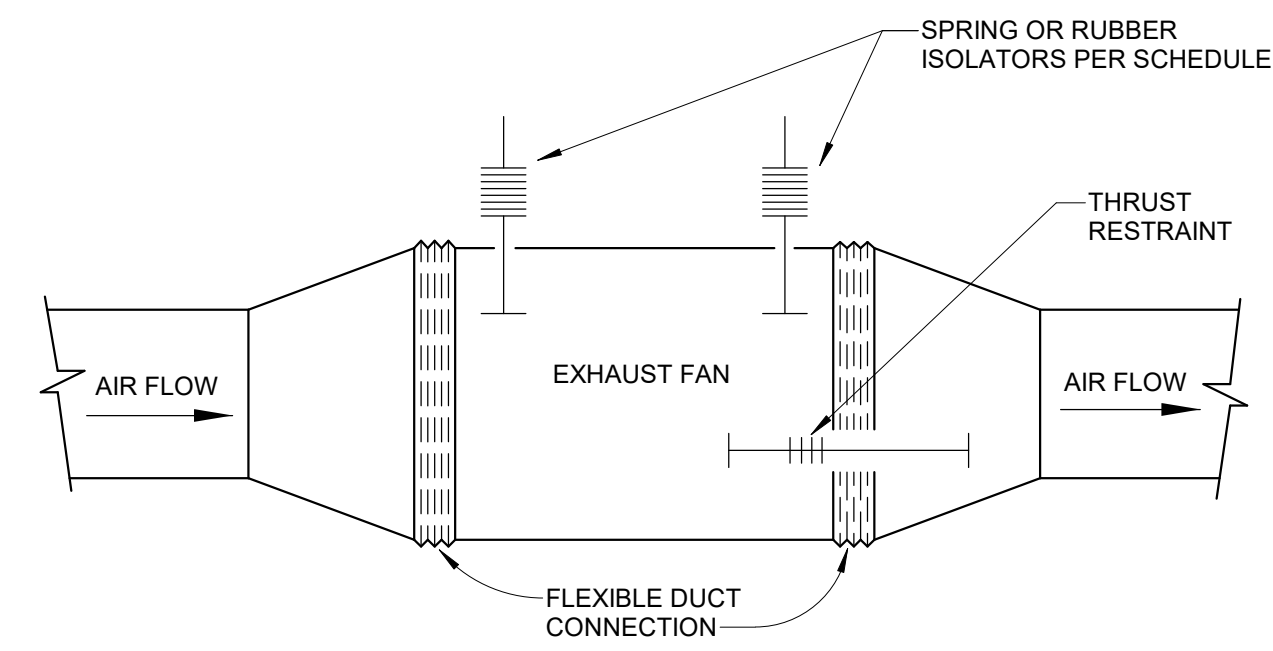
MARK	LOCATION	TYPE	FAN DATA				ELECTRICAL DATA				UNIT WEIGHT (LBS)	MANUFACTURER AND MODEL NUMBER	REMARKS	
			CFM	EXT SP (IN WG)	DRIVE	RPM	SOUND LEVEL	HP	VOLTS	PH				HZ
EF-1	310 MECHANICAL	CENTRIFUGAL INLINE	625	0.5	DIRECT	1036	4.7 SONE	1/6	115	1	60	60	GREENHECK SQ-120	1,2,3
EF-2	309 MECHANICAL	CENTRIFUGAL INLINE	625	0.5	DIRECT	1036	4.7 SONE	1/6	115	1	60	60	GREENHECK SQ-120	1,2,3
EF-3	301 MECHANICAL	CENTRIFUGAL INLINE	475	0.45	DIRECT	1523	7.9 SONE	1/8	115	1	60	50	GREENHECK SQ-95	1,2,3
EF-4	302 MECHANICAL	CENTRIFUGAL INLINE	475	0.45	DIRECT	1523	7.9 SONE	1/8	115	1	60	50	GREENHECK SQ-95	1,2,3
EF-5	308 MECHANICAL	CENTRIFUGAL INLINE	1300	0.6	DIRECT	1483	9.8 SONE	1	115	1	60	67	GREENHECK SQ-120	1,2,3

NOTES: 1. PROVIDE WITH BACKDRAFT DAMPER.  
2. PROVIDE WITH VIBRATION ISOLATORS  
3. PROVIDE WITH SPEED CONTROLLER

**DIFFUSER, REGISTER AND GRILLE SCHEDULE**

MARK	MOUNTING TYPE	FACE SIZE (IN.)	NECK SIZE (IN.)	BLADE ANGLE	MATERIAL FINISH	MAX PD (IN WG)	MAX NC AT PD SHOWN	MANUFACTURER & MODEL NUMBER	REMARKS
E-1	SURFACE	SEE PLANS	SEE PLANS	0	WHITE	0.1	25	KRUEGER S80	1

NOTES: 1. PROVIDE WITH OPPOSED BLADE DAMPER.



8 DUCT ELBOW DETAIL  
SCALE: NOT TO SCALE

1 PENTHOUSE HVAC PLAN  
SCALE: 3/64" = 1'-0"

DESIGNED: ANK  
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IOWA ARMY NATIONAL GUARD  
BUILDING A-1 RENOVATE LATRINES  
CONTRACT NO.: C322A1047 PROJECT NO.: 19083795  
5698 NW 78TH AVE., JOHNSTON, IA 50131  
PENTHOUSE FLOOR PLAN - MECHANICAL

PROJECT NO.: 08320.001

M103



SYMBOL LEGEND

Table listing symbols for HVAC Piping, Values, Plumbing Piping, Fire Protection, and Miscellaneous Symbols.

ABBREVIATIONS

Table listing abbreviations for HVAC Ductwork and Specialties, and various plumbing components.

GENERAL DEMOLITION NOTES

Notes detailing demolition procedures, including removal of fire protection, HVAC, and plumbing equipment.

GENERAL NOTES

Notes regarding contractor responsibilities for reviewing documents, measurements, and installation requirements.

REF. DEMO NOTES (X)

Reference notes for demolition work, including sheet references and specific demolition details.

REF. NOTES (X)

Reference notes for general plumbing work, including sheet references and specific plumbing details.

REFERENCE LEGEND

Table defining symbols for duct size, pipe size, plumbing fixtures, room/space number, equipment number, reference demolition note, reference note, plan detail, section/detail, new column, existing column, matchline, level, title marker, and north arrow.

PLUMBING SHEET LIST

Table listing sheet numbers and titles, such as P 00 PLUMBING INFO SHEET, P000 SUBGRADE DEMOLITION PLAN - PLUMBING, etc.

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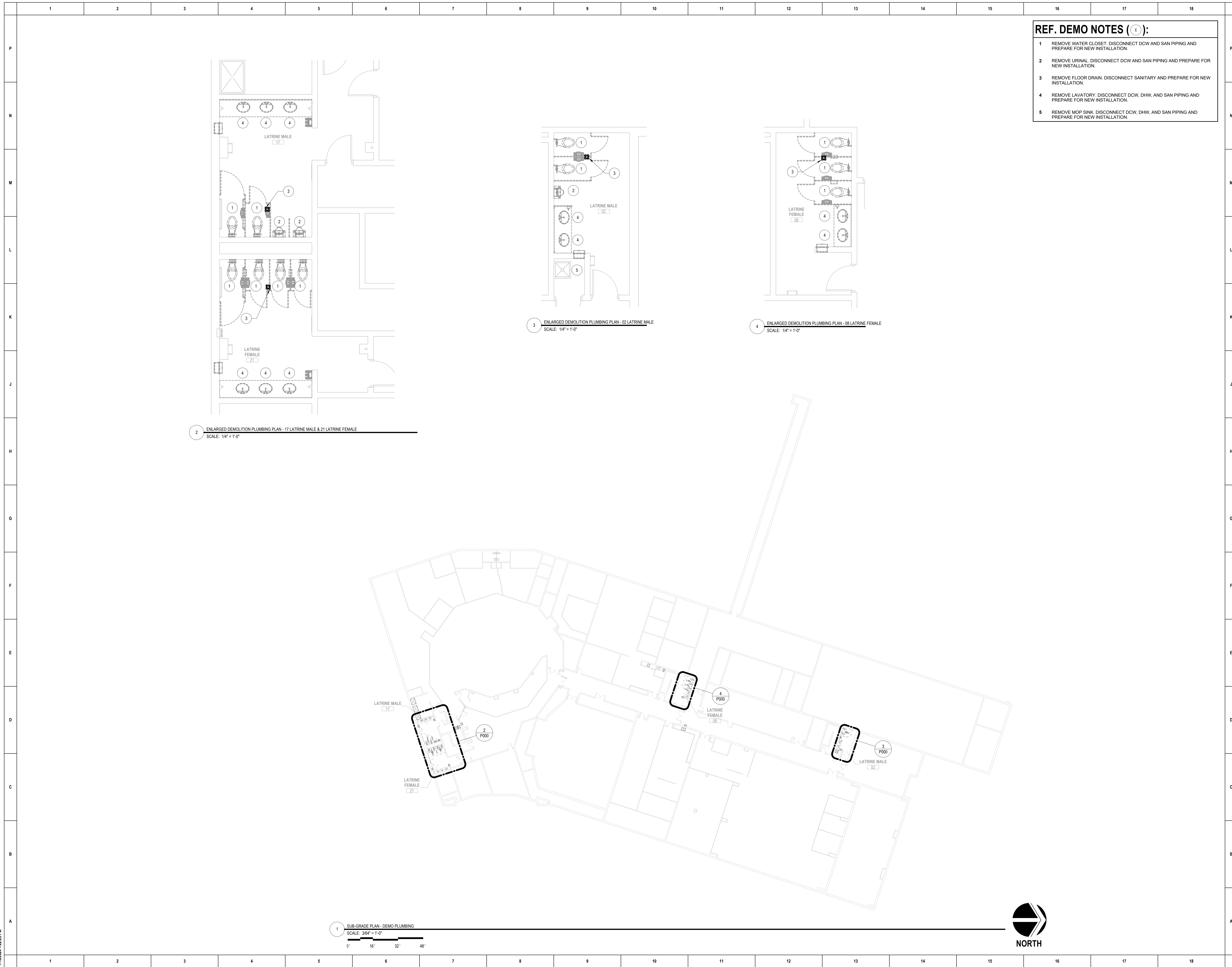
BUILDING A-1 RENOVATE LATRINES CONTRACT NO.: C322A1047 PROJECT NO.: 19083795 5698 NW 78TH AVE., JOHNSTON, IA 50131

PLUMBING INFO SHEET

PROJECT NO.: 08320.001

P 00

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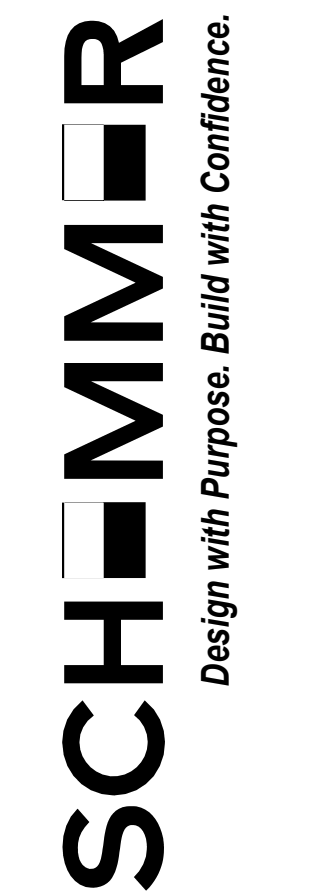


- REF. DEMO NOTES (X):**
- 1 REMOVE WATER CLOSET. DISCONNECT DCW AND SAN PIPING AND PREPARE FOR NEW INSTALLATION.
  - 2 REMOVE URINAL. DISCONNECT DCW AND SAN PIPING AND PREPARE FOR NEW INSTALLATION.
  - 3 REMOVE FLOOR DRAIN. DISCONNECT SANITARY AND PREPARE FOR NEW INSTALLATION.
  - 4 REMOVE LAVATORY. DISCONNECT DCW, DHW, AND SAN PIPING AND PREPARE FOR NEW INSTALLATION.
  - 5 REMOVE MOP SINK. DISCONNECT DCW, DHW, AND SAN PIPING AND PREPARE FOR NEW INSTALLATION.

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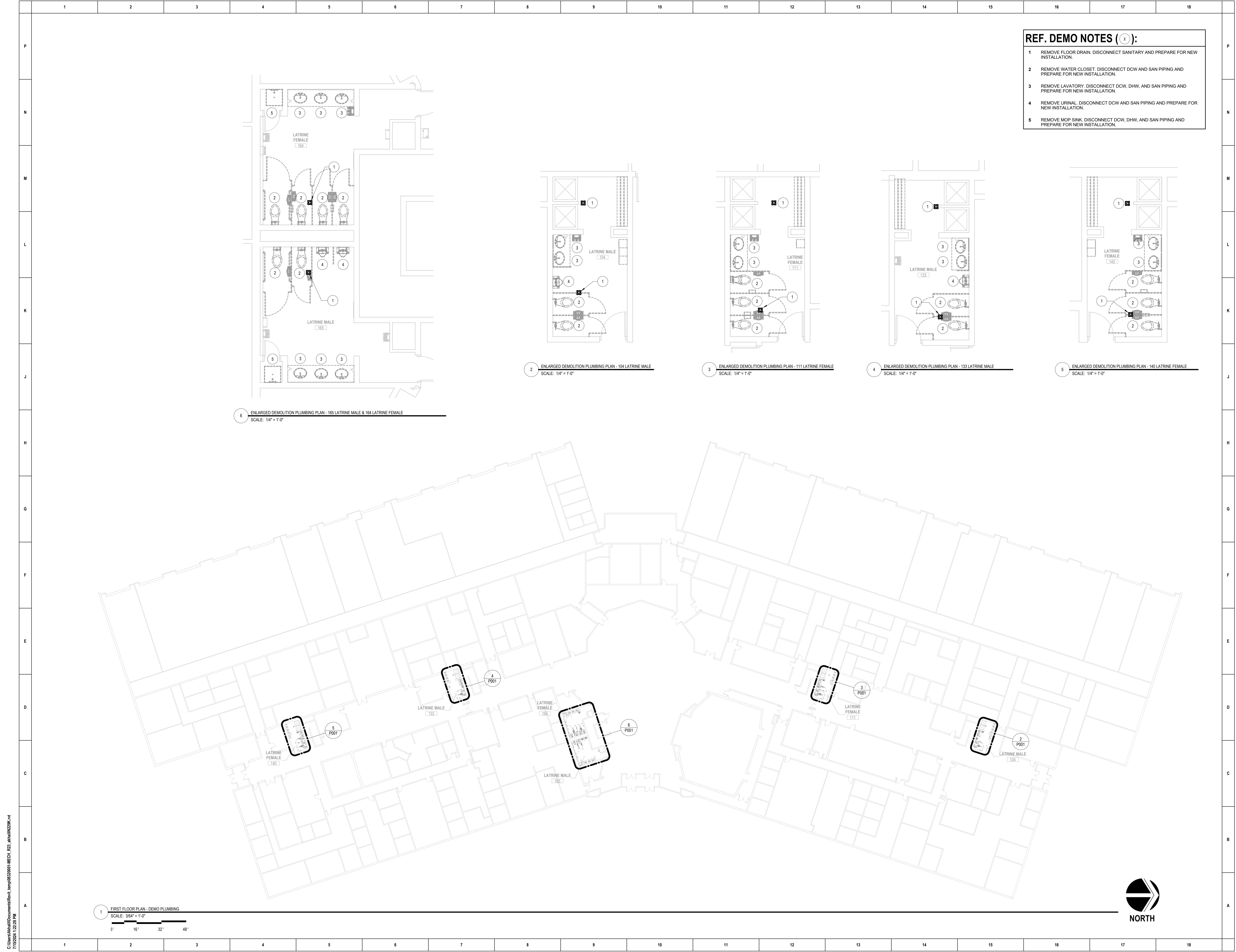


**IOWA ARMY NATIONAL GUARD**  
**BUILDING A-1 RENOVATE LATRINES**  
 CONTRACT NO.: C322A1047 PROJECT NO.: 19083795  
 5698 NW 78TH AVE, JOHNSTON, IA 50131

**SUBGRADE DEMOLITION PLAN - PLUMBING**

PROJECT NO.: 08320.001

P000



- REF. DEMO NOTES (X):**
- 1 REMOVE FLOOR DRAIN. DISCONNECT SANITARY AND PREPARE FOR NEW INSTALLATION.
  - 2 REMOVE WATER CLOSET. DISCONNECT DCW AND SAN PIPING AND PREPARE FOR NEW INSTALLATION.
  - 3 REMOVE LAVATORY. DISCONNECT DCW, DHW, AND SAN PIPING AND PREPARE FOR NEW INSTALLATION.
  - 4 REMOVE URINAL. DISCONNECT DCW AND SAN PIPING AND PREPARE FOR NEW INSTALLATION.
  - 5 REMOVE MOP SINK. DISCONNECT DCW, DHW, AND SAN PIPING AND PREPARE FOR NEW INSTALLATION.

6 ENLARGED DEMOLITION PLUMBING PLAN - 165 LATRINE MALE & 164 LATRINE FEMALE  
SCALE: 1/4" = 1'-0"

2 ENLARGED DEMOLITION PLUMBING PLAN - 104 LATRINE MALE  
SCALE: 1/4" = 1'-0"

3 ENLARGED DEMOLITION PLUMBING PLAN - 111 LATRINE FEMALE  
SCALE: 1/4" = 1'-0"

4 ENLARGED DEMOLITION PLUMBING PLAN - 133 LATRINE MALE  
SCALE: 1/4" = 1'-0"

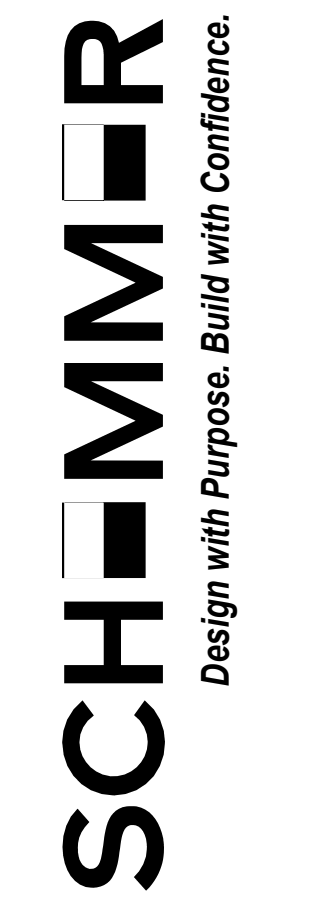
5 ENLARGED DEMOLITION PLUMBING PLAN - 140 LATRINE FEMALE  
SCALE: 1/4" = 1'-0"

1 FIRST FLOOR PLAN - DEMO PLUMBING  
SCALE: 3/64" = 1'-0"

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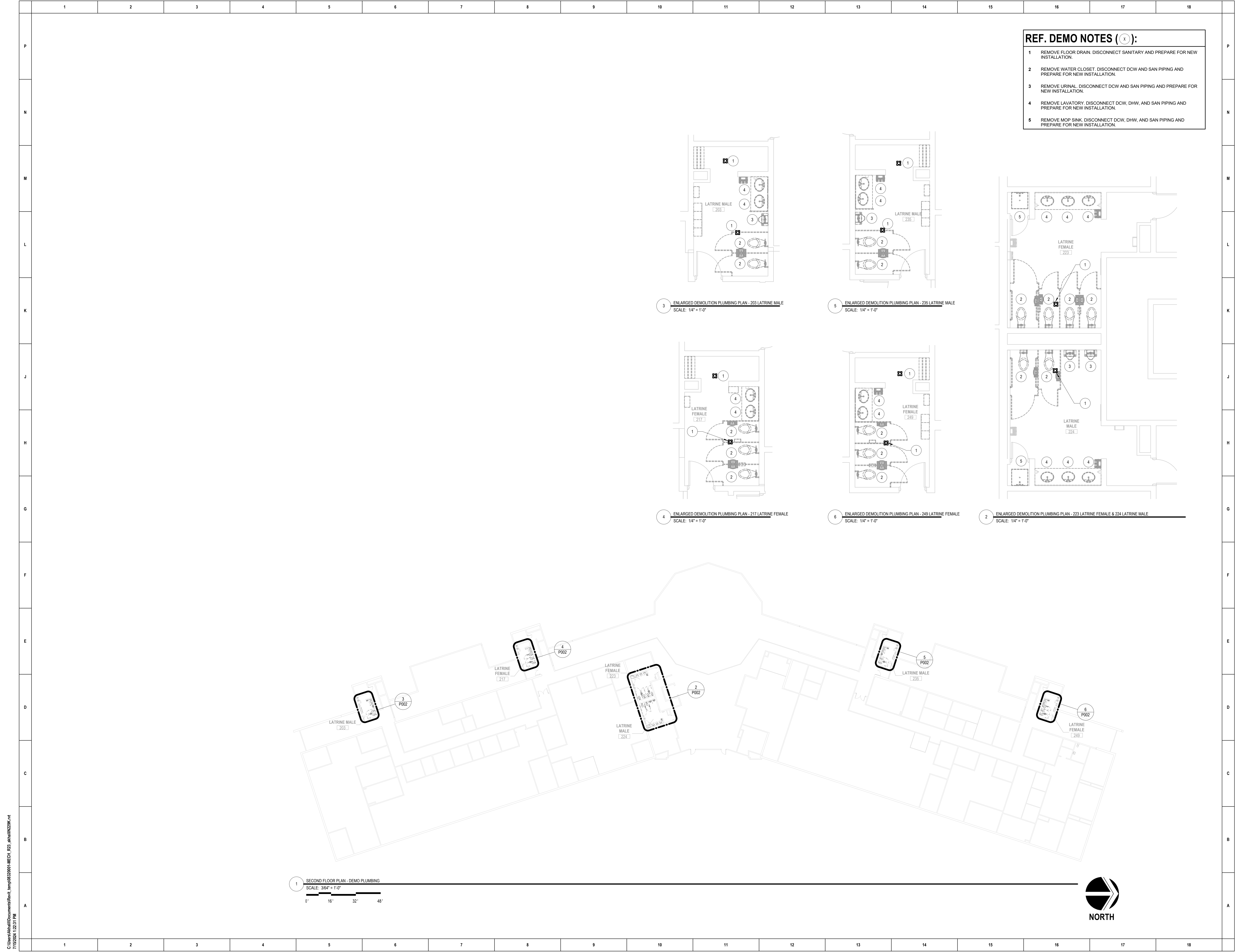


**IOWA ARMY NATIONAL GUARD**  
**BUILDING A-1 RENOVATE LATRINES**  
 CONTRACT NO.: C322A1047 PROJECT NO.: 19083795  
 5698 NW 78TH AVE, JOHNSTON, IA 50131  
**FIRST FLOOR DEMOLITION PLAN - PLUMBING**

PROJECT NO.: 08320.001

**P001**

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**REF. DEMO NOTES (X):**

- 1 REMOVE FLOOR DRAIN. DISCONNECT SANITARY AND PREPARE FOR NEW INSTALLATION.
- 2 REMOVE WATER CLOSET. DISCONNECT DCW AND SAN PIPING AND PREPARE FOR NEW INSTALLATION.
- 3 REMOVE URINAL. DISCONNECT DCW AND SAN PIPING AND PREPARE FOR NEW INSTALLATION.
- 4 REMOVE LAVATORY. DISCONNECT DCW, DHW, AND SAN PIPING AND PREPARE FOR NEW INSTALLATION.
- 5 REMOVE MOP SINK. DISCONNECT DCW, DHW, AND SAN PIPING AND PREPARE FOR NEW INSTALLATION.

3 ENLARGED DEMOLITION PLUMBING PLAN - 203 LATRINE MALE  
SCALE: 1/4" = 1'-0"

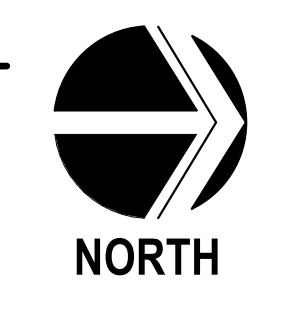
5 ENLARGED DEMOLITION PLUMBING PLAN - 235 LATRINE MALE  
SCALE: 1/4" = 1'-0"

4 ENLARGED DEMOLITION PLUMBING PLAN - 217 LATRINE FEMALE  
SCALE: 1/4" = 1'-0"

6 ENLARGED DEMOLITION PLUMBING PLAN - 249 LATRINE FEMALE  
SCALE: 1/4" = 1'-0"

2 ENLARGED DEMOLITION PLUMBING PLAN - 223 LATRINE FEMALE & 224 LATRINE MALE  
SCALE: 1/4" = 1'-0"

1 SECOND FLOOR PLAN - DEMO PLUMBING  
SCALE: 3/64" = 1'-0"



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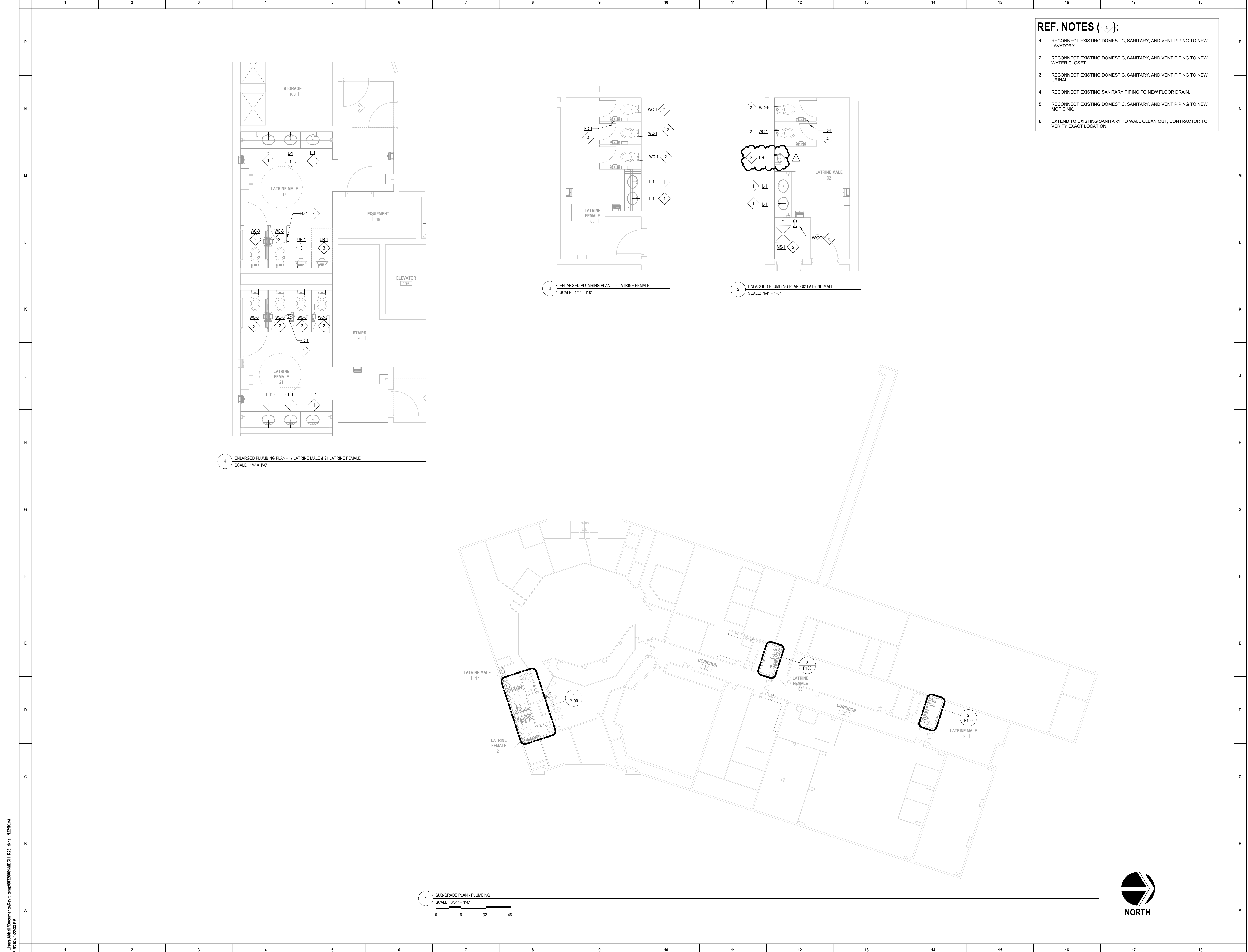
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 BUILDING A-1 RENOVATE LATRINES  
 CONTRACT NO.: C322A1047 PROJECT NO.: 19083795  
 5698 NW 78TH AVE, JOHNSTON, IA 50131  
 SECOND FLOOR DEMOLITION PLAN - PLUMBING

PROJECT NO.: 08320.001

P002



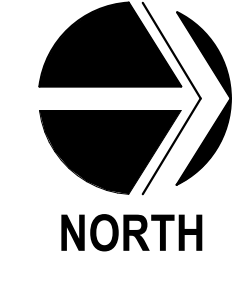
- REF. NOTES (◊):**
- 1 RECONNECT EXISTING DOMESTIC, SANITARY, AND VENT PIPING TO NEW LAVATORY.
  - 2 RECONNECT EXISTING DOMESTIC, SANITARY, AND VENT PIPING TO NEW WATER CLOSET.
  - 3 RECONNECT EXISTING DOMESTIC, SANITARY, AND VENT PIPING TO NEW URINAL.
  - 4 RECONNECT EXISTING SANITARY PIPING TO NEW FLOOR DRAIN.
  - 5 RECONNECT EXISTING DOMESTIC, SANITARY, AND VENT PIPING TO NEW MOP SINK.
  - 6 EXTEND TO EXISTING SANITARY TO WALL CLEAN OUT. CONTRACTOR TO VERIFY EXACT LOCATION.

4 ENLARGED PLUMBING PLAN - 17 LATRINE MALE & 21 LATRINE FEMALE  
SCALE: 1/4" = 1'-0"

3 ENLARGED PLUMBING PLAN - 08 LATRINE FEMALE  
SCALE: 1/4" = 1'-0"

2 ENLARGED PLUMBING PLAN - 02 LATRINE MALE  
SCALE: 1/4" = 1'-0"

1 SUB-GRADE PLAN - PLUMBING  
SCALE: 3/64" = 1'-0"



DESIGNED:	ANK	ISSUE DATE:	07/16/2024
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DESCRIPTION:		REV.:	1

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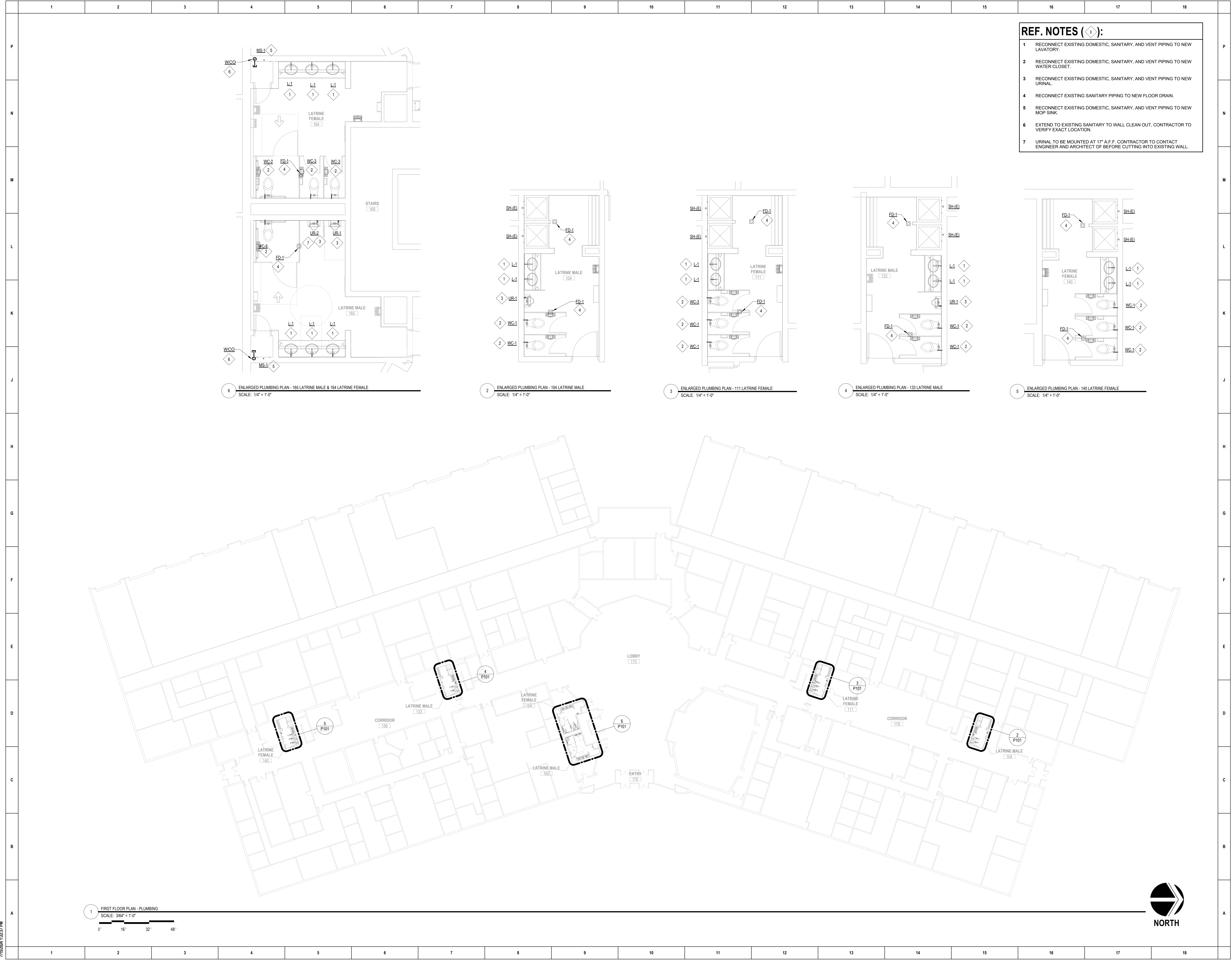
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IOWA ARMY NATIONAL GUARD  
 BUILDING A-1 RENOVATE LATRINES  
 CONTRACT NO.: C322A1047 PROJECT NO.: 19083795  
 5698 NW 78TH AVE, JOHNSTON, IA 50131  
 SUBGRADE FLOOR PLAN - PLUMBING

PROJECT NO.: 08320.001

P100



- REF. NOTES (◊):**
- 1 RECONNECT EXISTING DOMESTIC, SANITARY, AND VENT PIPING TO NEW LAVATORY.
  - 2 RECONNECT EXISTING DOMESTIC, SANITARY, AND VENT PIPING TO NEW WATER CLOSET.
  - 3 RECONNECT EXISTING DOMESTIC, SANITARY, AND VENT PIPING TO NEW URINAL.
  - 4 RECONNECT EXISTING SANITARY PIPING TO NEW FLOOR DRAIN.
  - 5 RECONNECT EXISTING DOMESTIC, SANITARY, AND VENT PIPING TO NEW MOP SINK.
  - 6 EXTEND TO EXISTING SANITARY TO WALL CLEAN OUT, CONTRACTOR TO VERIFY EXACT LOCATION.
  - 7 URINAL TO BE MOUNTED AT 17" A.F.F. CONTRACTOR TO CONTACT ENGINEER AND ARCHITECT OF BEFORE CUTTING INTO EXISTING WALL.

1 ENLARGED PLUMBING PLAN - 165 LATRINE MALE & 164 LATRINE FEMALE SCALE: 1/4" = 1'-0"

2 ENLARGED PLUMBING PLAN - 104 LATRINE MALE SCALE: 1/4" = 1'-0"

3 ENLARGED PLUMBING PLAN - 111 LATRINE FEMALE SCALE: 1/4" = 1'-0"

4 ENLARGED PLUMBING PLAN - 133 LATRINE MALE SCALE: 1/4" = 1'-0"

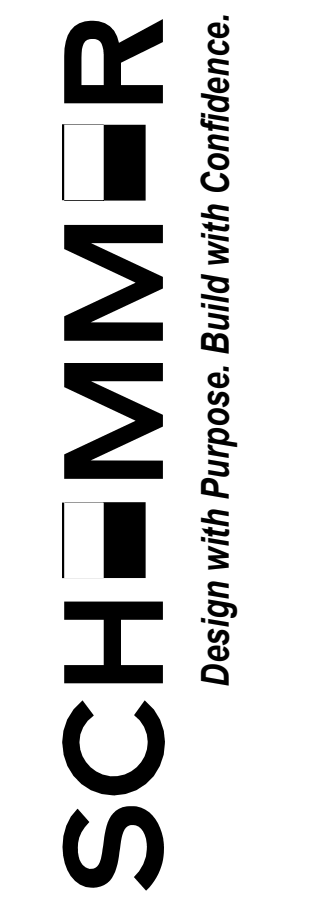
5 ENLARGED PLUMBING PLAN - 140 LATRINE FEMALE SCALE: 1/4" = 1'-0"

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

DESIGNED:	ANK	ISSUE DATE:	07/18/2024
REVISIONS:	NO.	DATE:	
DRAWN:	ANK	DATE:	
CHECKED:	JEK	DATE:	

THE ENGINEER'S BOARD OF PROFESSIONAL ENGINEERS HAS REVIEWED THIS DOCUMENT FOR THE PURPOSE OF THE ENGINEER'S PROFESSIONAL LIABILITY INSURANCE POLICY. THIS REVIEW IS LIMITED TO THE TECHNICAL ASPECTS OF THE DOCUMENT AND DOES NOT CONSTITUTE AN ENDORSEMENT OR A GUARANTEE OF ANY PART OF THE DOCUMENT. THE USER OF THIS DOCUMENT SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR OBTAINING THE SERVICES OF ALL OTHER PROFESSIONALS AS MAY BE REQUIRED.

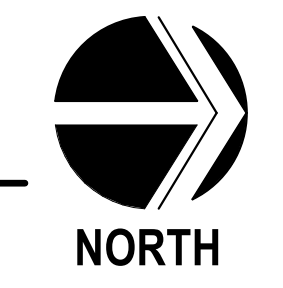
**100% TYPE B SUBMITTAL**



**IOWA ARMY NATIONAL GUARD**  
**BUILDING A-1 RENOVATE LATRINES**  
 CONTRACT NO.: C322A1047 PROJECT NO.: 19083795  
 5698 NW 78TH AVE, JOHNSTON, IA 50131  
**FIRST FLOOR PLAN - PLUMBING**

PROJECT NO.: 08320.001

**P101**



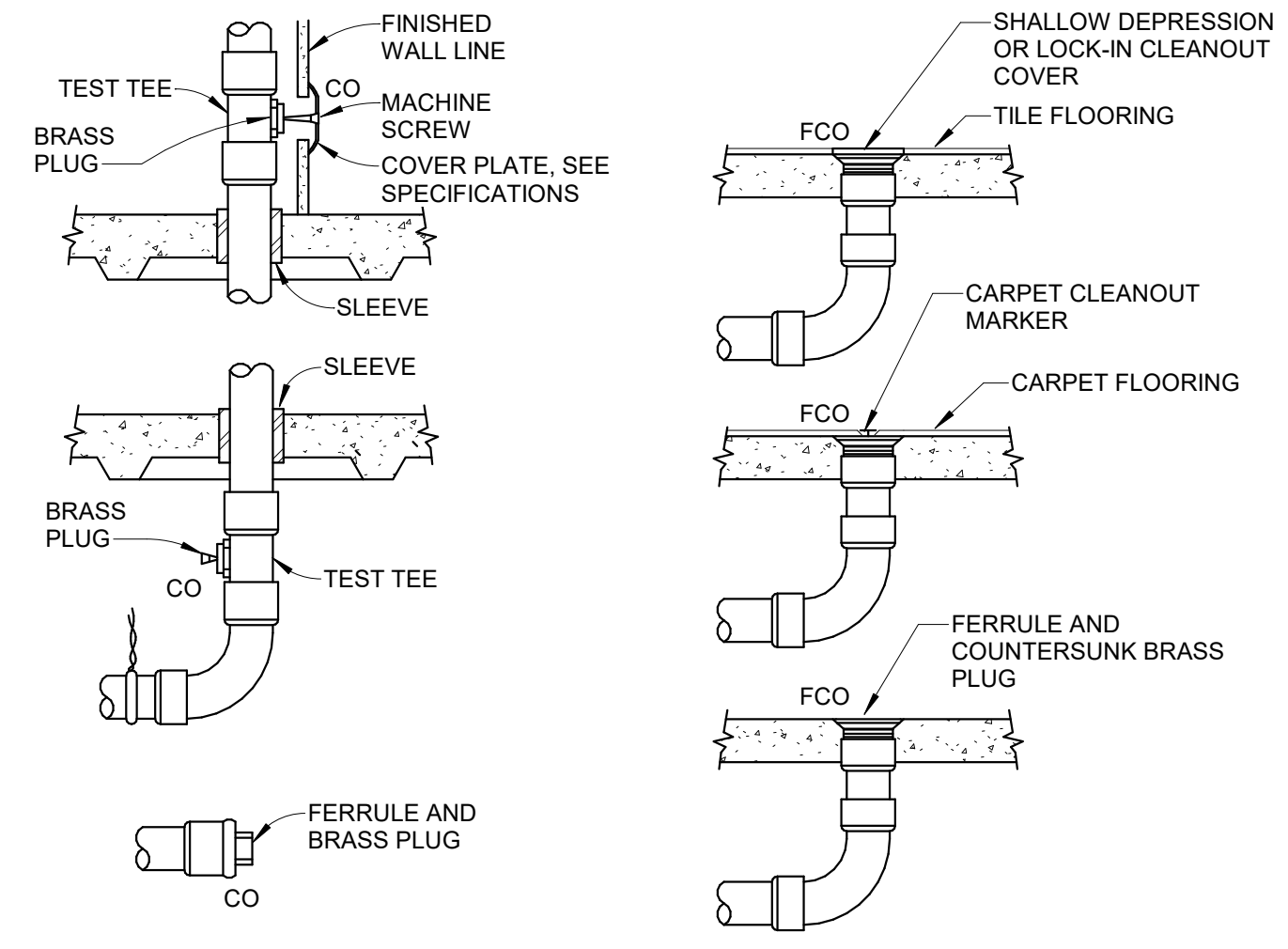
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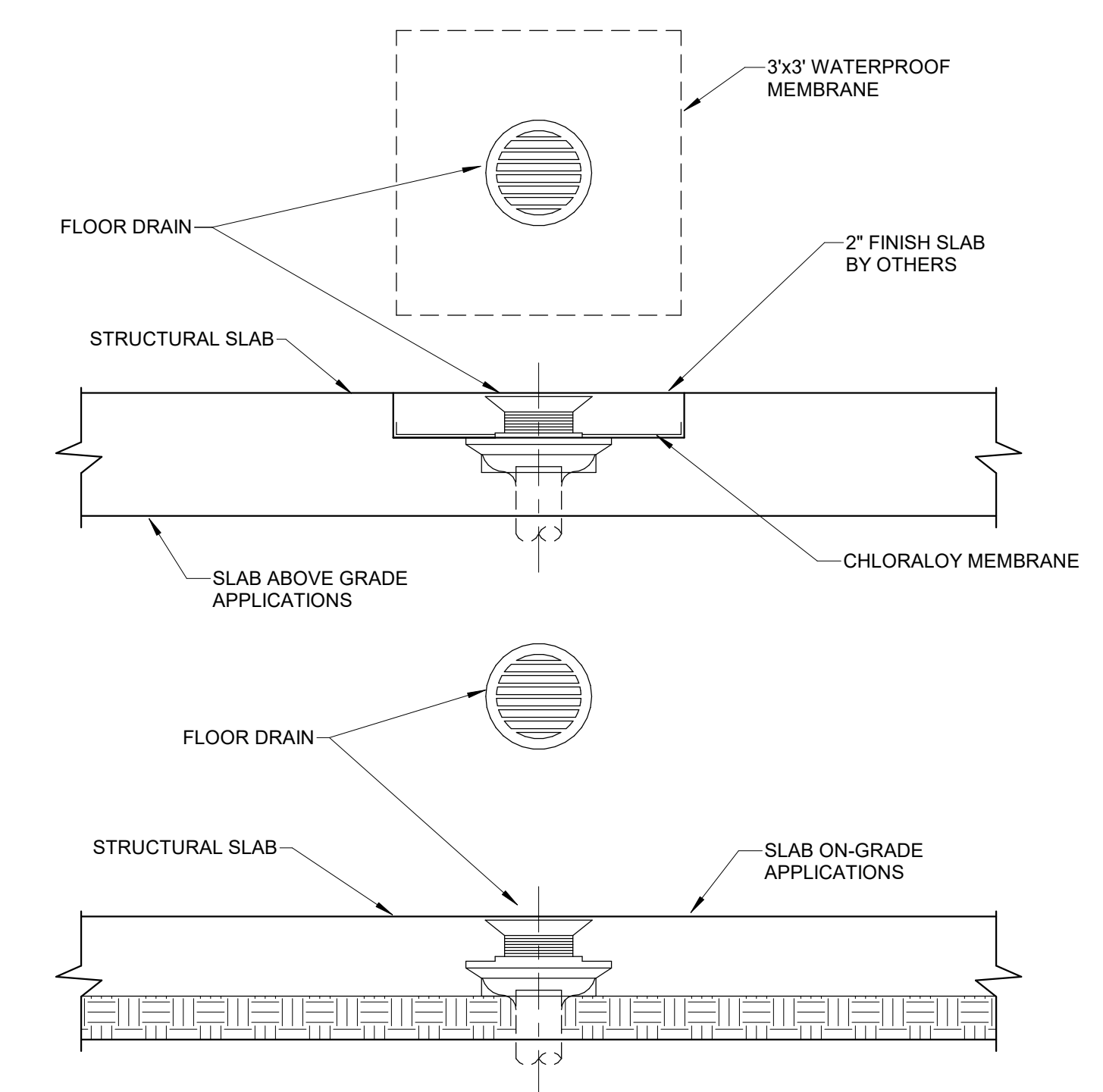
**PLUMBING FIXTURES SCHEDULE**

MARK	DESCRIPTION	FIXTURE CONNECTIONS					MOUNTING HEIGHT	FLOW RATE	MANUFACTURER AND MODEL NUMBER				REMARKS
		HOT WATER	COLD WATER	WASTE	VENT	OTHER			FIXTURE	FAUCET/FLUSH VALVE	ACCESSORY #1	ACCESSORY #2	
L-1	LAVATORY, UNDER MOUNTED	1/2"	1/2"	1-1/2"	1-1/2"	--	SEE ARCH	1.5 GPM	AMERICAN STANDARD OVALYN 0496221.020	AMERICAN MONTERREY 5500.170	--	--	1
MS-1	MOP SINK	1/2"	1/2"	2"	1-1/2"	--	SEE ARCH	6 GPM	MUSTEE 63M	MUSTEE 63.600A	--	--	
UR-1	WALL MOUNTED URINAL	--	1/2"	2"	1-1/2"	--	SEE ARCH	0.5 GPF	AMERICAN STANDARD WASHBROOK 6590.001	AMERICAN STANDARD ULTIMA 6045.051.002	--	--	
UR-2	WALL MOUNTED URINAL	--	1/2"	2"	1-1/2"	--	SEE ARCH	0.5 GPF	AMERICAN STANDARD PINTBROOK 6002.001	AMERICAN STANDARD ULTIMA 6045.051.002	--	--	
WC-1	WATER CLOSET, FLOOR MOUNTED, FLUSH VALVE	--	1/2"	4"	2"	--	SEE ARCH	1.28 GPF	AMERICAN STANDARD MADERA 2234.001	AMERICAN STANDARD ULTIMA 6047.121.002	AMERICAN STANDARD 5901.100	--	
WC-2	ADA WATER CLOSET, WALL MOUNTED, FLUSH VALVE	--	1/2"	4"	2"	--	SEE ARCH	1.28 GPF	AMERICAN STANDARD MILLENNIUM 2257.101	AMERICAN STANDARD ULTIMA 6047.121.002	AMERICAN STANDARD 5901.100	--	
WC-3	WATER CLOSET, WALL MOUNTED, FLUSH VALVE	--	1/2"	4"	2"	--	SEE ARCH	1.28 GPF	AMERICAN STANDARD MILLENNIUM 2257.101	AMERICAN STANDARD ULTIMA 6047.121.002	AMERICAN STANDARD 5901.100	--	
FD-1	FLOOR DRAIN	--	--	2"	1-1/2"	--	SEE ARCH	--	JAY R SMITH 2005Y	--	--	--	2

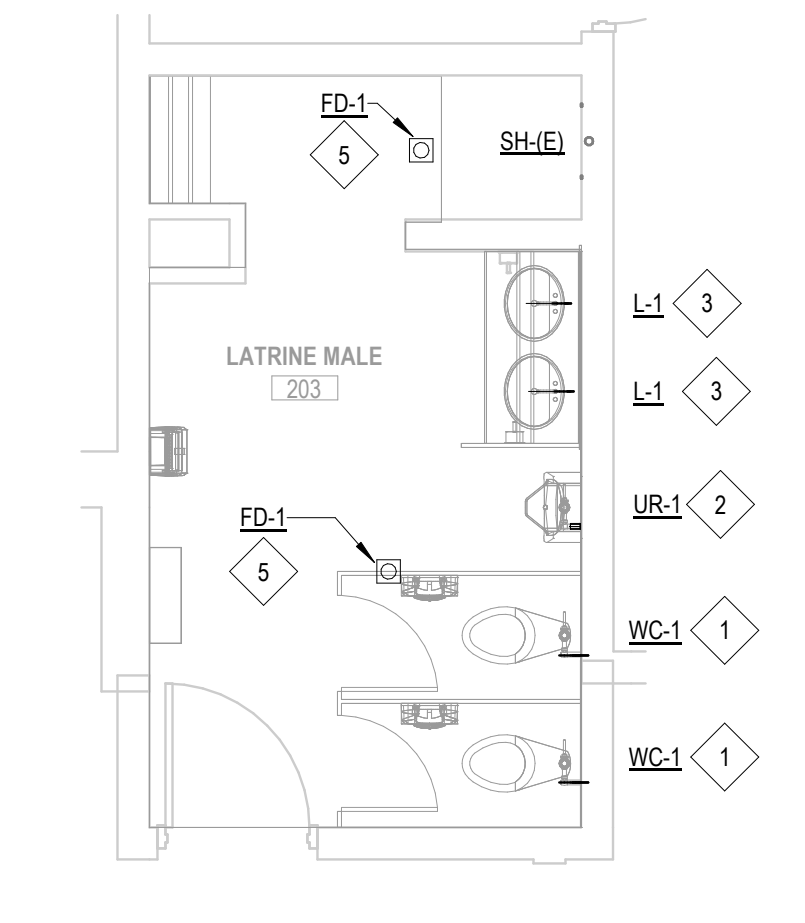
NOTES: 1. PROVIDE WITH OFFSET P-TRAP, GRID STRAINER, 1/4" TURN SHUTOFF VALVES AND FLEXIBLE CHROME RISERS TO FAUCET.  
2. PROVIDE WITH 5" SQUARE STRAINER.



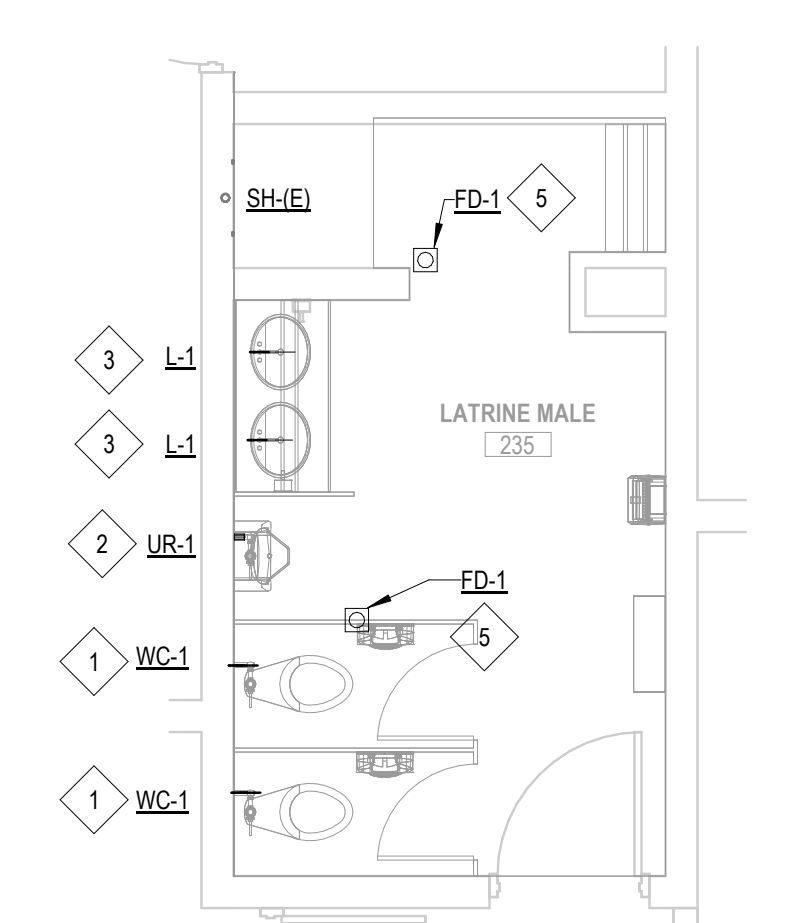
8 TYPICAL CLEANOUT DETAIL  
SCALE: NOT TO SCALE



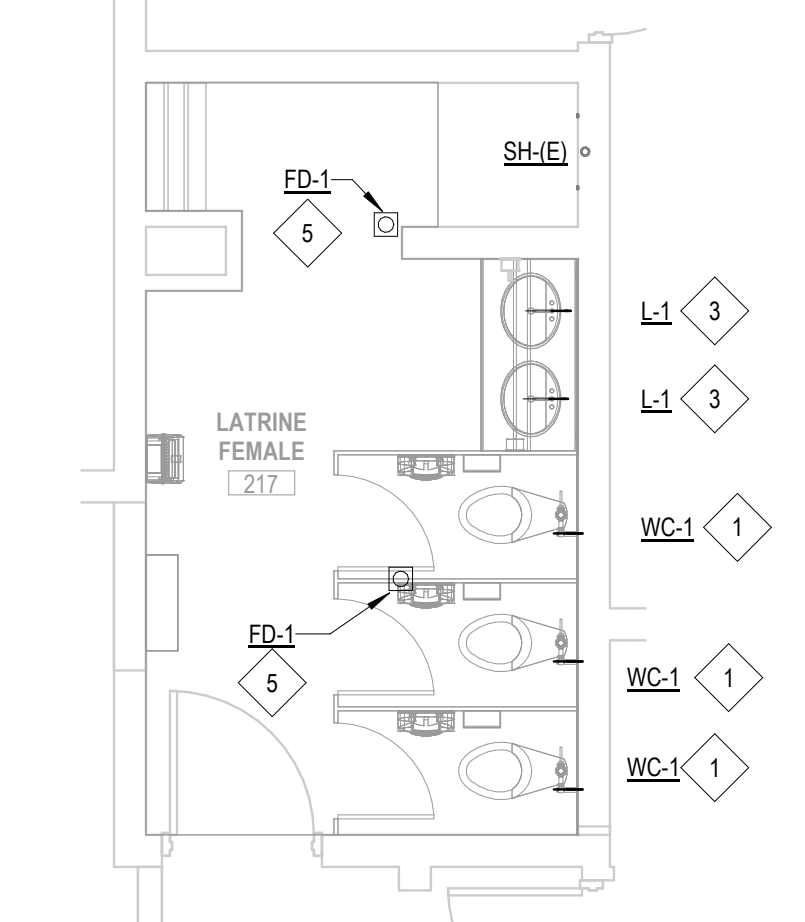
9 FLOOR DRAIN DETAIL  
SCALE: NOT TO SCALE



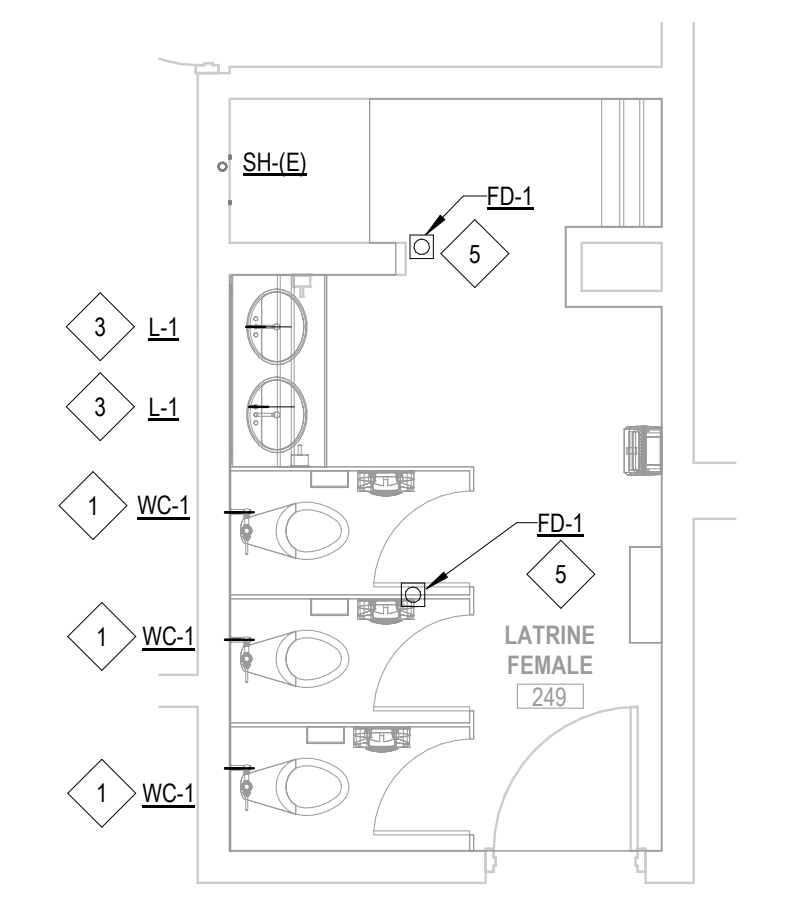
6 ENLARGED PLUMBING PLAN - 203 LATRINE MALE  
SCALE: 1/4" = 1'-0"



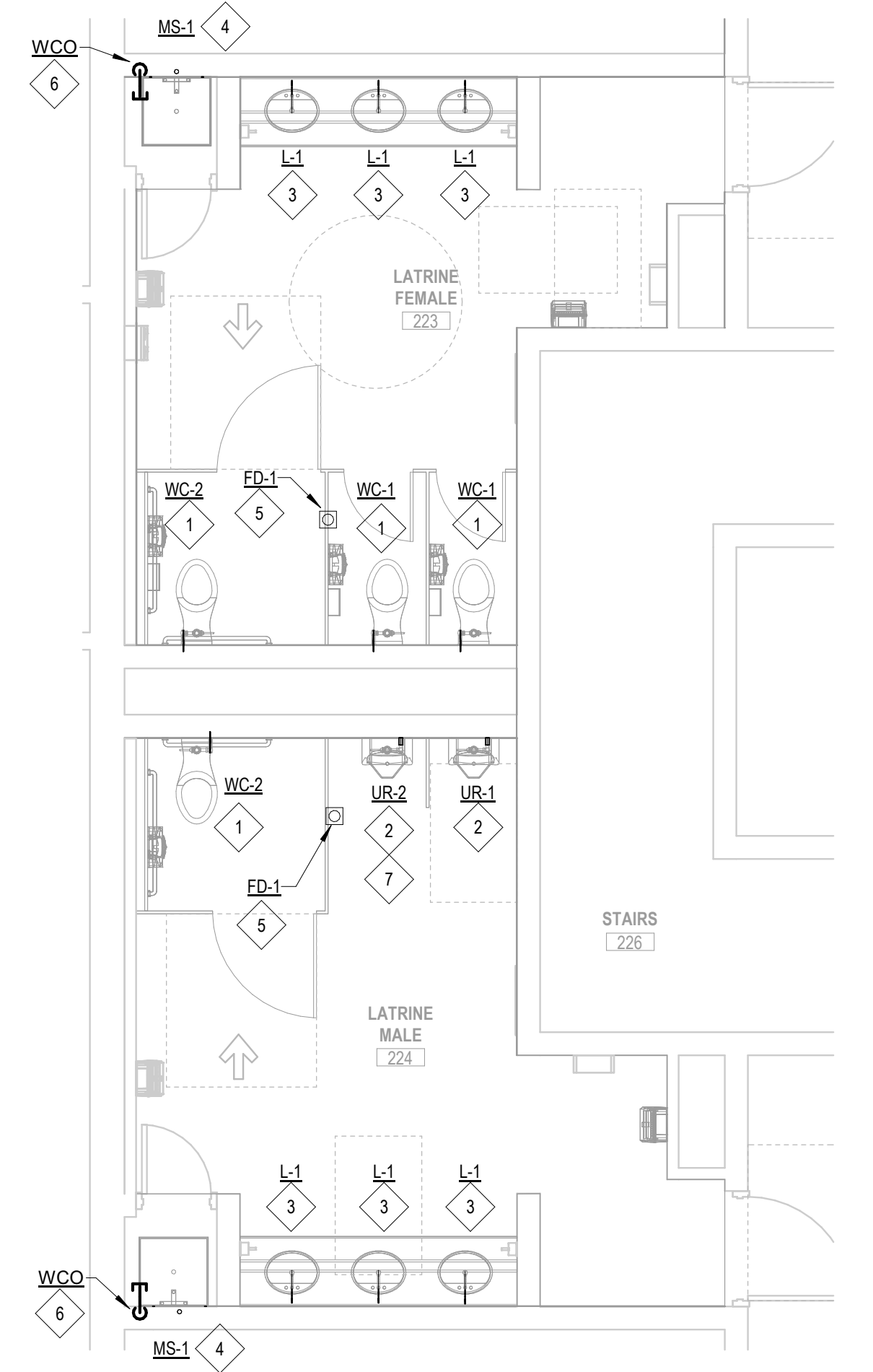
3 ENLARGED PLUMBING PLAN - 235 LATRINE MALE  
SCALE: 1/4" = 1'-0"



5 ENLARGED PLUMBING PLAN - 217 LATRINE FEMALE  
SCALE: 1/4" = 1'-0"



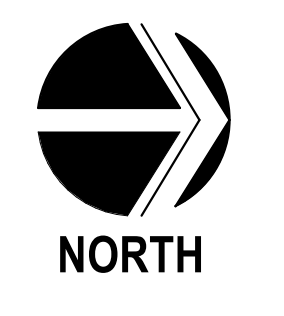
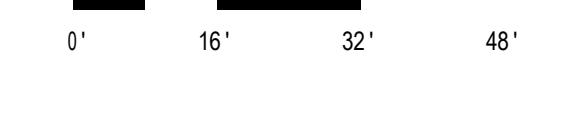
2 ENLARGED PLUMBING PLAN - 249 LATRINE FEMALE  
SCALE: 1/4" = 1'-0"



4 ENLARGED PLUMBING PLAN - 223 LATRINE FEMALE & 224 LATRINE MALE  
SCALE: 1/4" = 1'-0"



1 SECOND FLOOR PLAN - PLUMBING  
SCALE: 3/64" = 1'-0"



**REF. NOTES (X):**

- 1 RECONNECT EXISTING DOMESTIC, SANITARY, AND VENT PIPING TO NEW WATER CLOSET.
- 2 RECONNECT EXISTING DOMESTIC, SANITARY, AND VENT PIPING TO NEW URINAL.
- 3 RECONNECT EXISTING DOMESTIC, SANITARY, AND VENT PIPING TO NEW LAVATORY.
- 4 RECONNECT EXISTING DOMESTIC, SANITARY, AND VENT PIPING TO NEW MOP SINK.
- 5 RECONNECT EXISTING SANITARY PIPING TO NEW FLOOR DRAIN.
- 6 EXTEND TO EXISTING SANITARY TO WALL CLEAN OUT, CONTRACTOR TO VERIFY EXACT LOCATION.
- 7 URINAL TO BE MOUNTED AT 17" A.F. CONTRACTOR TO CONTACT ENGINEER AND ARCHITECT OF BEFORE CUTTING INTO EXISTING WALL.

DESIGNED: ANK  
DRAWN: ANK  
CHECKED: JJK

ISSUE DATE: 07/18/2024  
REVISIONS: No.  
DATE: BY: DESCRIPTION:

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IOWA ARMY NATIONAL GUARD  
BUILDING A-1 RENOVATE LATRINES  
CONTRACT NO.: C322A1047 PROJECT NO.: 19083795  
5698 NW 78TH AVE, JOHNSTON, IA 50131  
SECOND FLOOR PLAN - PLUMBING

PROJECT NO.: 08320.001

P102

SYMBOL LEGEND

Table with columns for Lighting, Fire Alarm System, Wiring Devices - Switches, Wiring Devices - Receptacles, Conduit and Boxes, Power Equipment, Panels and Cabinets, and Reference Legend.

ABBREVIATIONS

Table listing abbreviations for materials (e.g., ALUMINUM CONDUCTOR, STEEL REINFORCED), electrical components (e.g., CENTER LINE, CONDUIT), and other terms (e.g., EAST, NORTH).

GENERAL DEMO NOTES

SEE ARCHITECTURAL SHEETS FOR EXACT AREAS AND WALLS AFFECTED BY THE DEMOLITION AND REMODEL. ITEMS WHICH ARE INTENDED TO BE REMOVED, RELOCATED, OR SALVAGED ARE SHOWN AS FULL-TONE LINES ON DEMO PLANS.

GENERAL NOTES

DRAWINGS DO NOT SHOW TOTAL NUMBER OF CONDUCTORS FOR CIRCUITS REQUIRED. PROVIDE THE NUMBER OF CONDUCTORS NEEDED TO COMPLETE INSTALLATION OF SPECIFIC EQUIPMENT.

REF. DEMO NOTES (DX)

DISCONNECT EXHAUST FAN AND REMOVE CONDUIT AND WIRING BACK TO FIRST JUNCTION BOX. REMOVE OR SUPPORT IN PLACE, AND PROTECT EXISTING FIRE ALARM DEVICES FOR REINSTALLATION IN NEW CEILING.

REF. NOTES (X)

CONNECT NEW LIGHTING TO EXISTING LIGHTING CIRCUIT SERVING ROOM. REINSTALL FIRE ALARM DEVICE IN NEW CEILING. CONNECT TO 20A 120V CIRCUIT BREAKER IN PANEL IN ELECTRICAL ROOM BELOW.

REFERENCE LEGEND

Table defining symbols for Room Number, Scheduled Equipment, Non-Scheduled Equipment, Reference Demolition Note, Reference Note, Plan Detail, Section/Detail, New Column, Matchline, Level, Title Marker, and North Arrow.

GENERAL LIGHTING NOTES

COORDINATE LOCATION OF SWITCH HEIGHTS WITH CASEWORK, FURNITURE AND EQUIPMENT LAYOUTS PRIOR TO ROUGH-IN. SEE ARCHITECTURAL CASEWORK ELEVATIONS FOR CABINET HEIGHTS AND LAYOUTS.

GEN. POWER & AUX SYSTEMS NOTES

ALL DEVICES SHOWN SHALL BE MOUNTED AT 18" A.F.F. UNLESS INDICATED OTHERWISE. ALL AUXILIARY CABLE ABOVE CEILING SHALL BE PLENUM RATED WHERE REQUIRED.

ELECTRICAL SHEET LIST

Table listing electrical sheet titles and details, including E 00 ELECTRICAL INFO SHEET, E101 OVERALL PLANS, E201 FLOOR PLAN - DEMOLITION, E301 ENLARGED PLANS - ELECTRICAL, E302 ENLARGED PLANS - ELECTRICAL, and E601 SCHEDULES & DETAILS.

Table with columns for DESIGNED, DRAWN, CHECKED, REVISIONS, and DATE, containing project metadata.

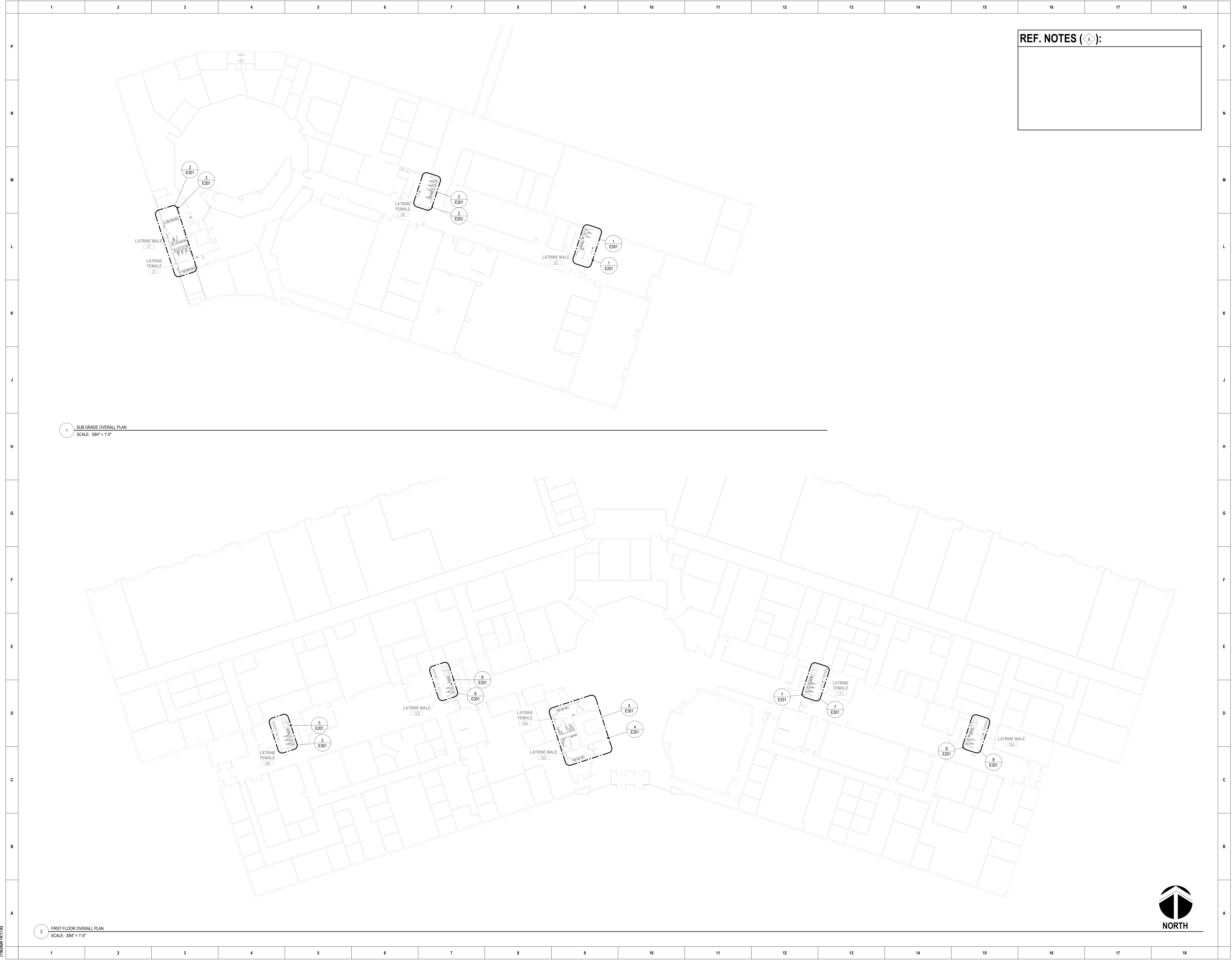
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SCHEMMER Design with Purpose. Build with Confidence.

IOWA ARMY NATIONAL GUARD BUILDING A-1 RENOVATE LATRINES CONTRACT NO.: C322A1047 PROJECT NO.: 19083795 5698 NW 78TH AVE., JOHNSTON, IA 50131 ELECTRICAL INFO SHEET

PROJECT NO.: 08320.001

E 00



1 SUB GRADE OVERALL PLAN  
SCALE: 3/64" = 1'-0"

2 FIRST FLOOR OVERALL PLAN  
SCALE: 3/64" = 1'-0"

REF. NOTES (◊):	

DESIGNED:	DES	ISSUE DATE:	07/16/2024
DRAWN:	MOL	REVISIONS:	NO.
CHECKED:	CHK	DATE:	BY:
		DESCRIPTION:	
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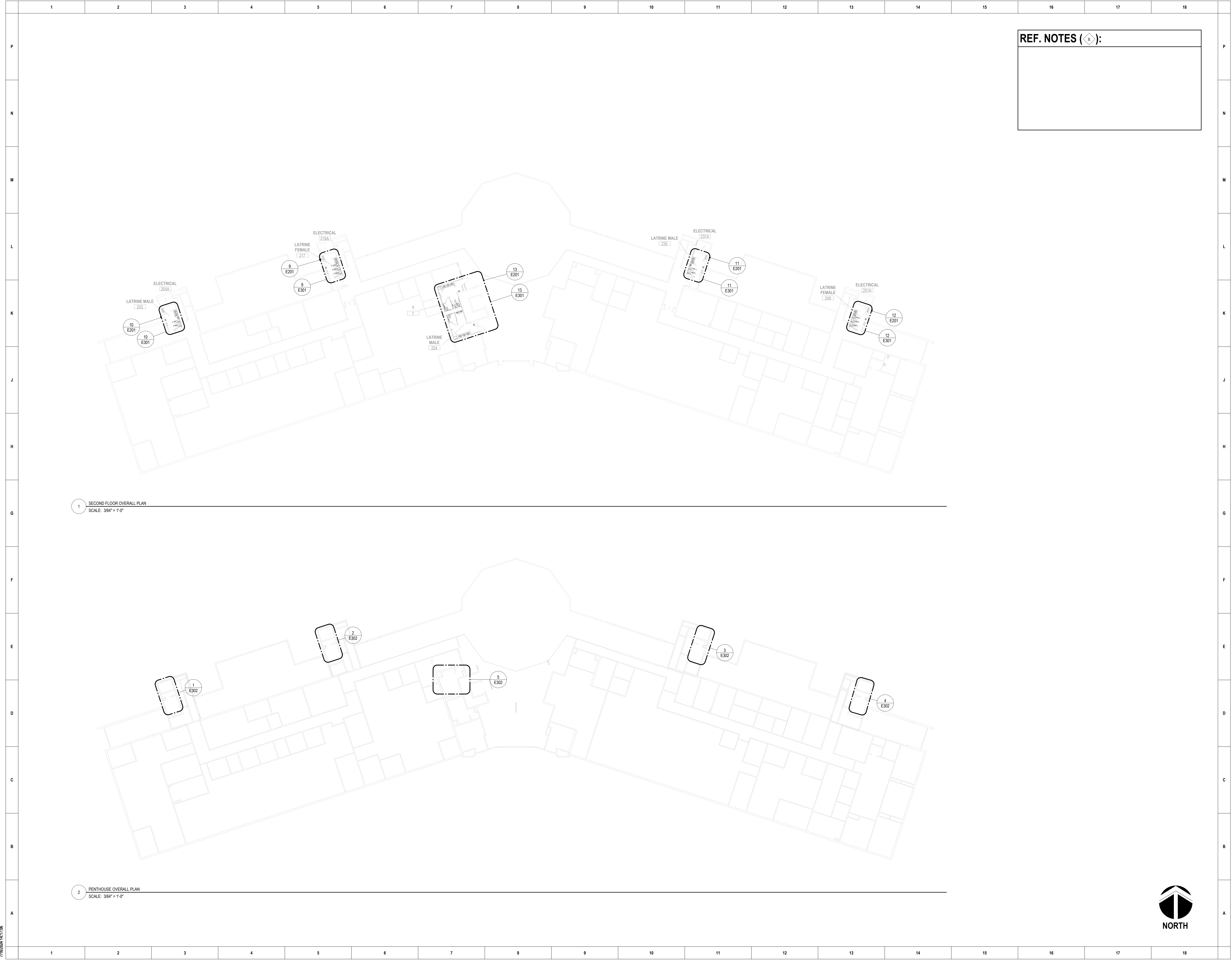
IOWA ARMY NATIONAL GUARD  
BUILDING A-1 RENOVATE LATRINES  
CONTRACT NO.: C322A1047 PROJECT NO.: 19083795  
5698 NW 78TH AVE, JOHNSTON, IA 50131  
OVERALL PLANS

PROJECT NO.: 08320.001



E101

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 08320001-7-E101



REF. NOTES (X):

1 SECOND FLOOR OVERALL PLAN  
SCALE: 3/64" = 1'-0"

2 PENTHOUSE OVERALL PLAN  
SCALE: 3/64" = 1'-0"

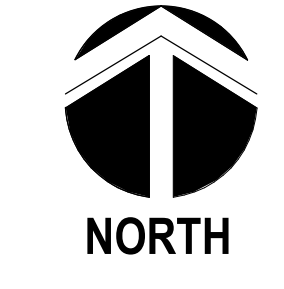
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DRAWN:	MOL	DATE:	
CHECKED:	CHK	BY:	
<small>THE DRAWING IS BEING SUBMITTED FOR THE PROJECT AND IS THE PROPERTY OF SCHEMMER. IT IS TO BE USED ONLY FOR THE PROJECT AND IS NOT TO BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF SCHEMMER. SCHEMMER ASSUMES NO LIABILITY FOR ANY DAMAGE OR INJURY TO PERSONS OR PROPERTY ARISING FROM THE USE OF THIS DRAWING.</small>			

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IOWA ARMY NATIONAL GUARD  
BUILDING A-1 RENOVATE LATRINES  
CONTRACT NO.: C322A1047 PROJECT NO.: 19083795  
5698 NW 78TH AVE, JOHNSTON, IA 50131

PROJECT NO.: 08320.001



E102

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**REF. DEMO NOTES (DK):**

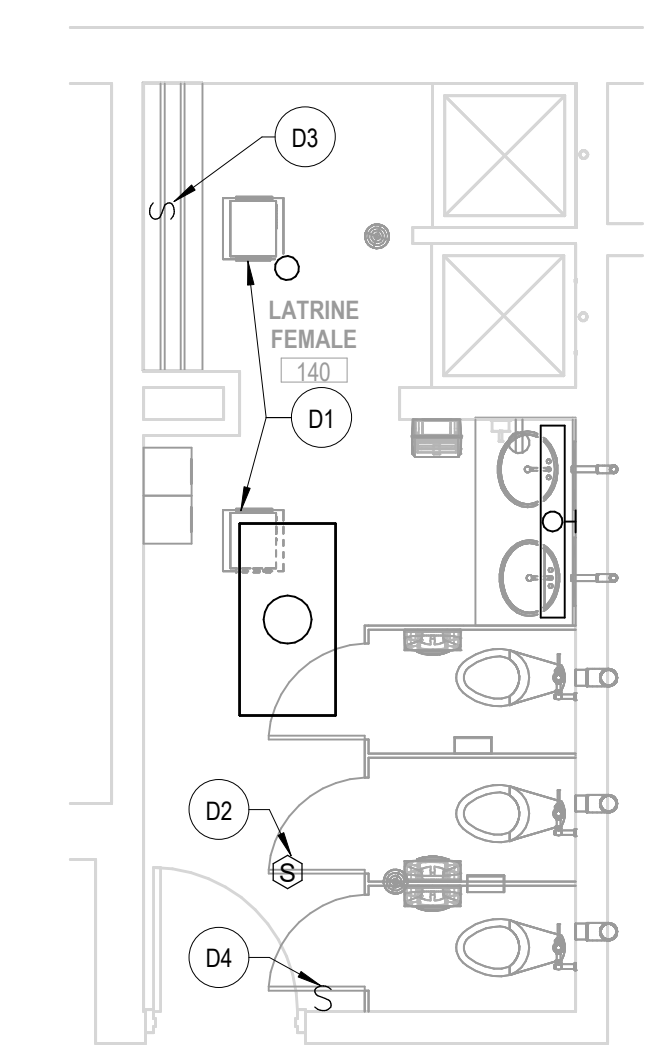
- D1 DISCONNECT EXHAUST FAN AND REMOVE CONDUIT AND WIRING BACK TO FIRST JUNCTION BOX.
- D2 REMOVE OR SUPPORT IN PLACE, AND PROTECT EXISTING FIRE ALARM DEVICE FOR REINSTALLATION IN NEW CEILING.
- D3 REMOVE FAN CONTROL TIMER SWITCH, SURFACE RACEWAY, AND WIRING.
- D4 REMOVE SWITCH AND PROVIDE BLANK COVER PLATE. MAINTAIN CIRCUITING FOR LIGHTING IN THE SPACE.

1 SUB GRADE DEMO PLAN - 02 LATRINE MALE  
SCALE: 1/4" = 1'-0"

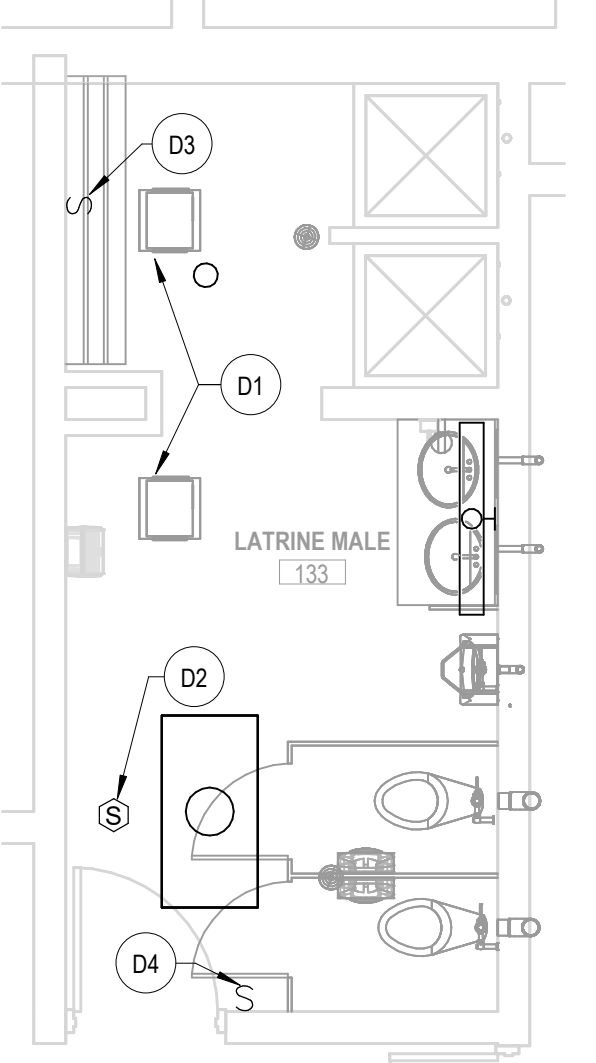
2 SUB GRADE DEMO PLAN - 08 LATRINE FEMALE  
SCALE: 1/4" = 1'-0"

3 SUB GRADE DEMO PLAN - 17 LATRINE MALE & 21 LATRINE FEMALE  
SCALE: 1/4" = 1'-0"

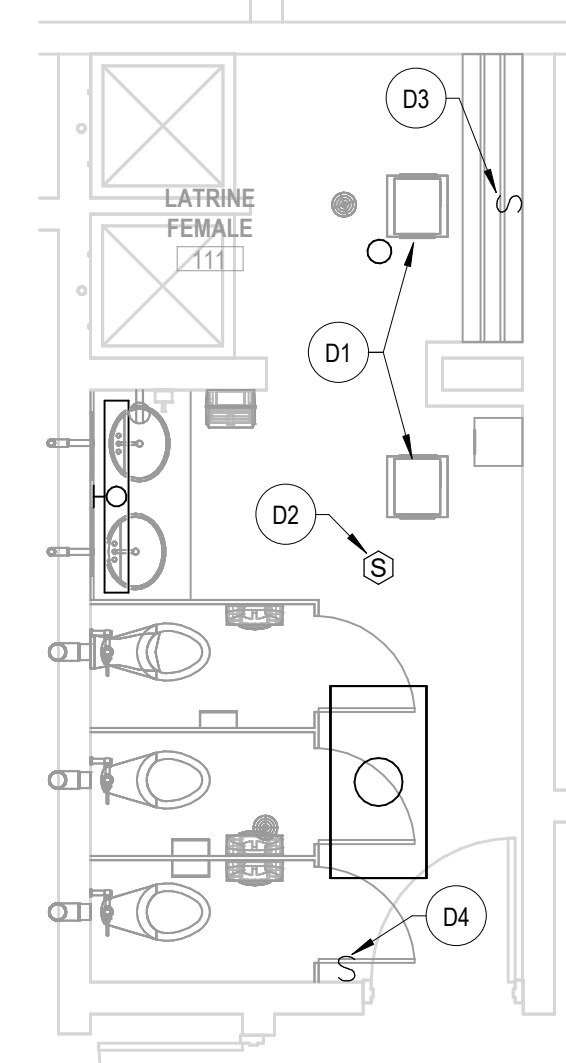
4 FIRST FLOOR DEMO PLAN - 165 LATRINE MALE & 164 LATRINE FEMALE  
SCALE: 1/4" = 1'-0"



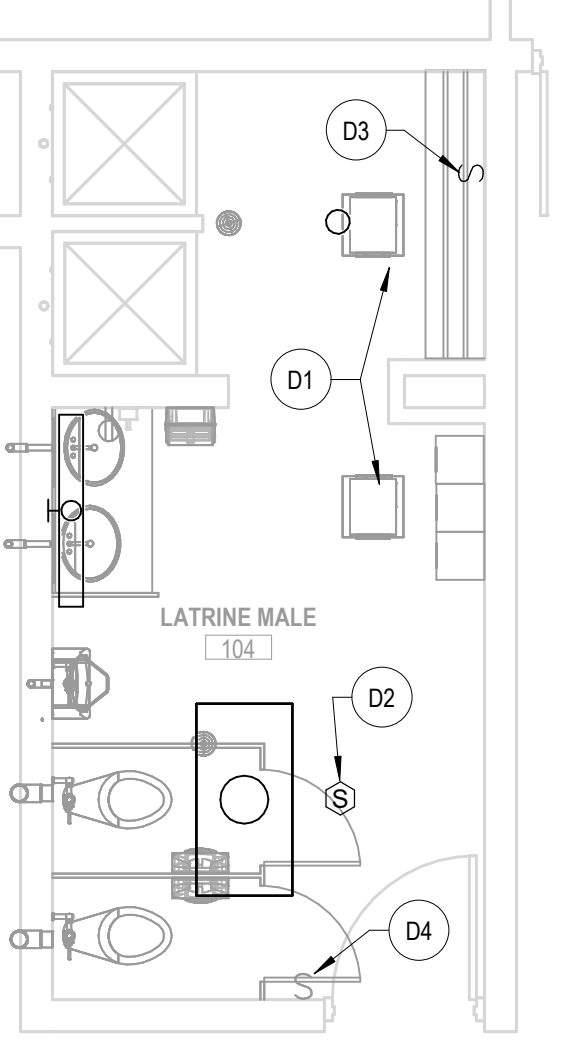
5 FIRST FLOOR DEMO PLAN - 140 LATRINE FEMALE  
SCALE: 1/4" = 1'-0"



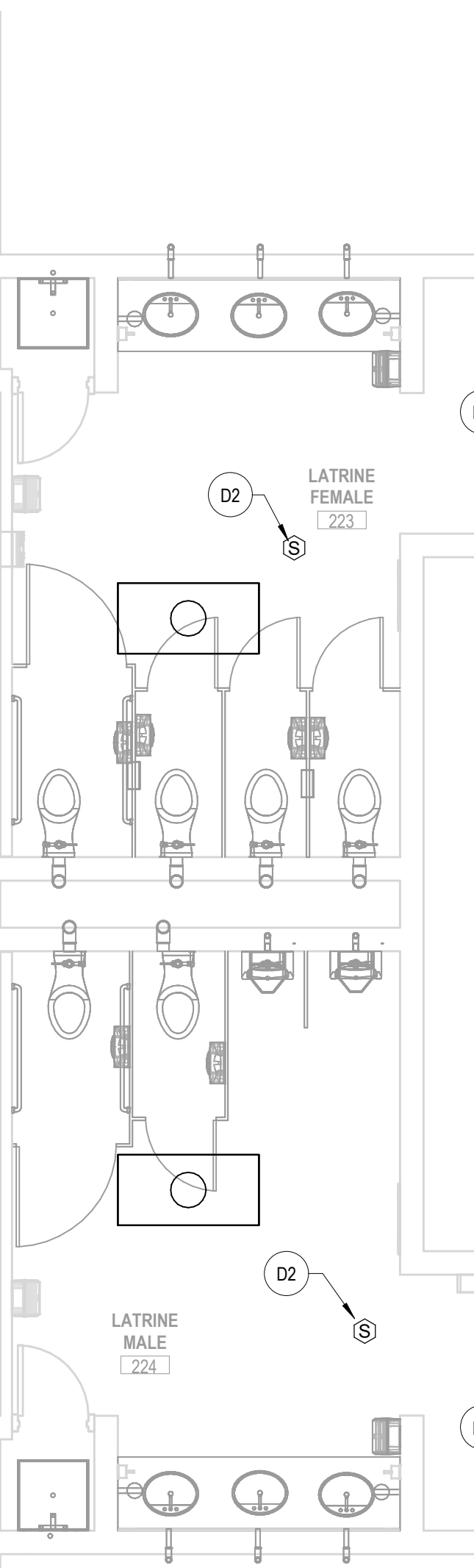
6 FIRST FLOOR DEMO PLAN - 133 LATRINE MALE  
SCALE: 1/4" = 1'-0"



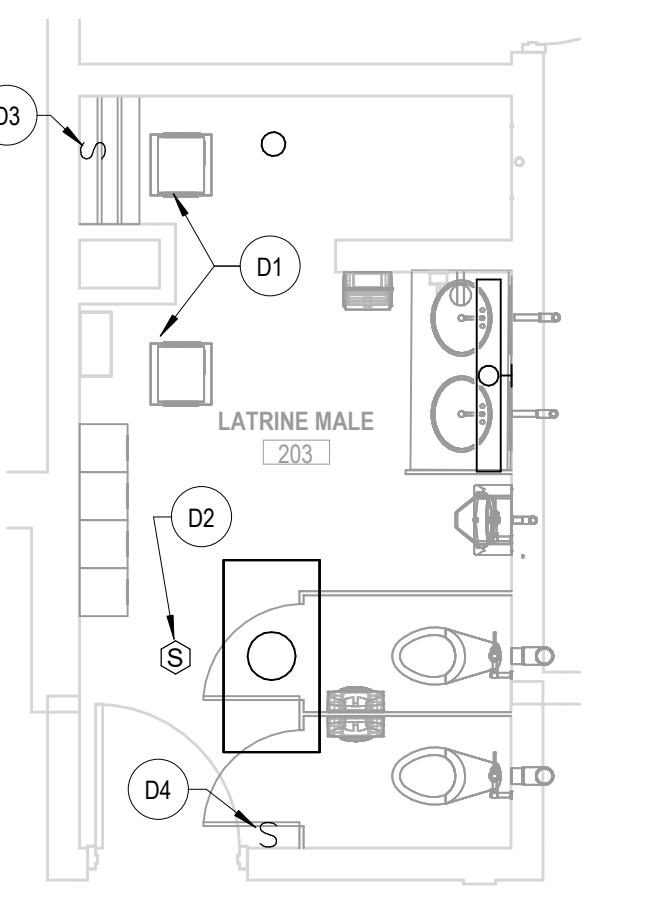
7 FIRST FLOOR DEMO PLAN - 111 LATRINE FEMALE  
SCALE: 1/4" = 1'-0"



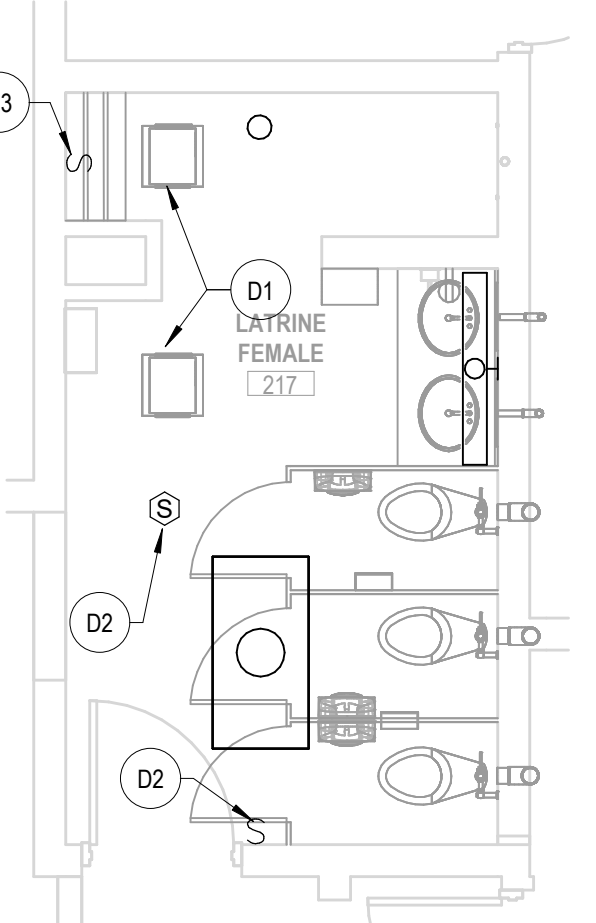
8 FIRST FLOOR DEMO PLAN - 104 LATRINE MALE  
SCALE: 1/4" = 1'-0"



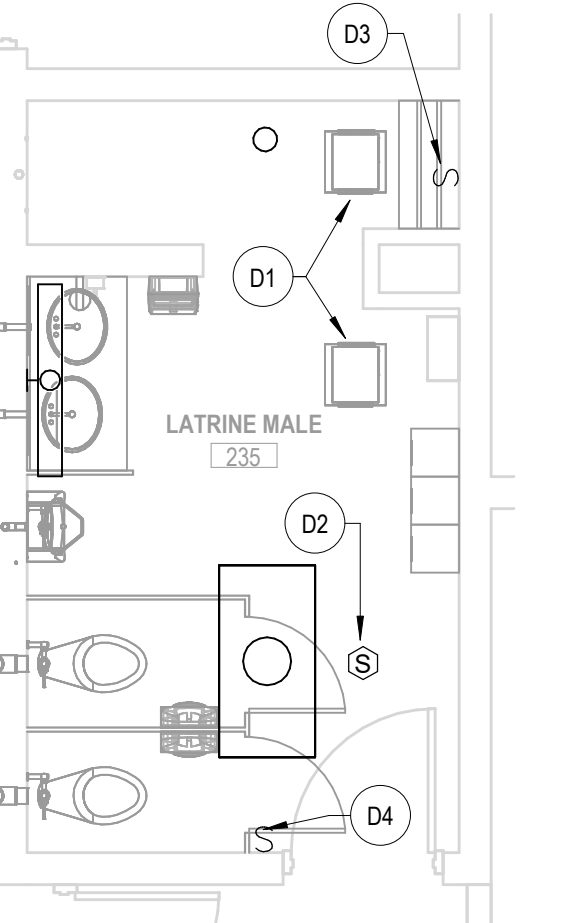
13 SECOND FLOOR DEMO PLAN - 224 LATRINE MALE & 223 LATRINE FEMALE  
SCALE: 1/4" = 1'-0"



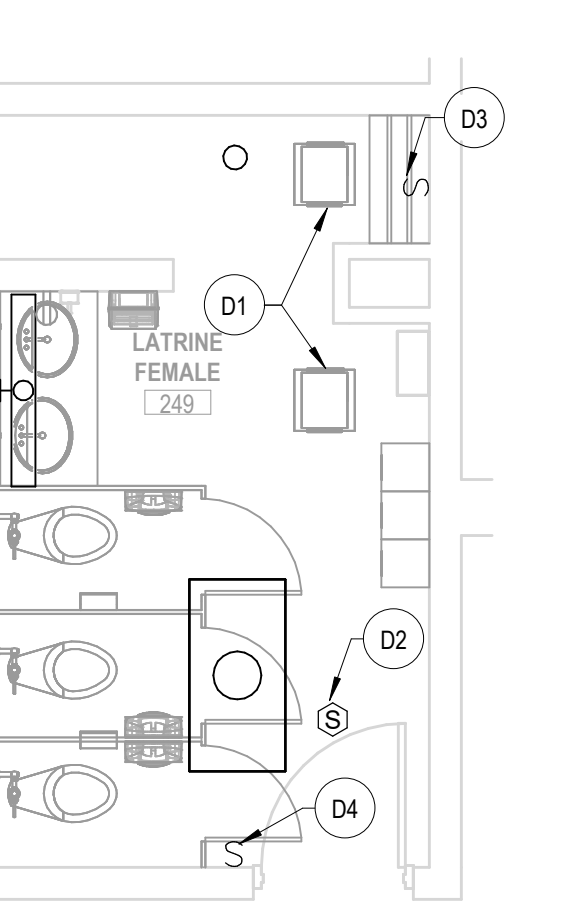
9 SECOND FLOOR DEMO PLAN - 203 LATRINE FEMALE  
SCALE: 1/4" = 1'-0"



10 SECOND FLOOR DEMO PLAN - 217 LATRINE MALE  
SCALE: 1/4" = 1'-0"



11 SECOND FLOOR DEMO PLAN - 235 LATRINE MALE  
SCALE: 1/4" = 1'-0"



12 SECOND FLOOR DEMO PLAN - 249 LATRINE FEMALE  
SCALE: 1/4" = 1'-0"

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BUILDING A-1 RENOVATE LATRINES  
CONTRACT NO.: C322A1047 PROJECT NO.: 19083795  
5698 NW 78TH AVE, JOHNSTON, IA 50131  
FLOOR PLAN - DEMOLITION

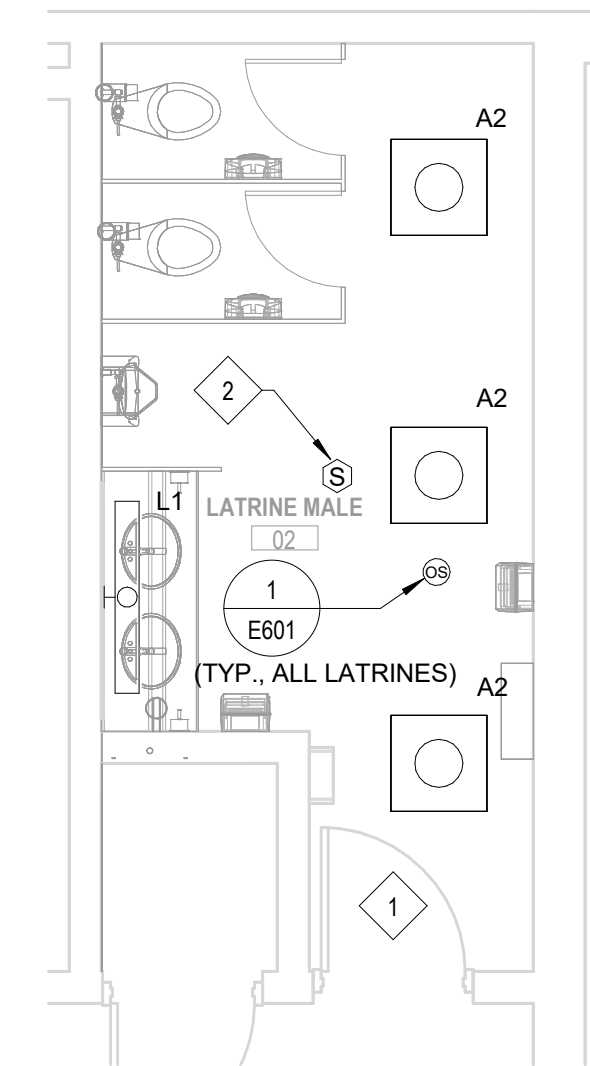
PROJECT NO.: 08320.001



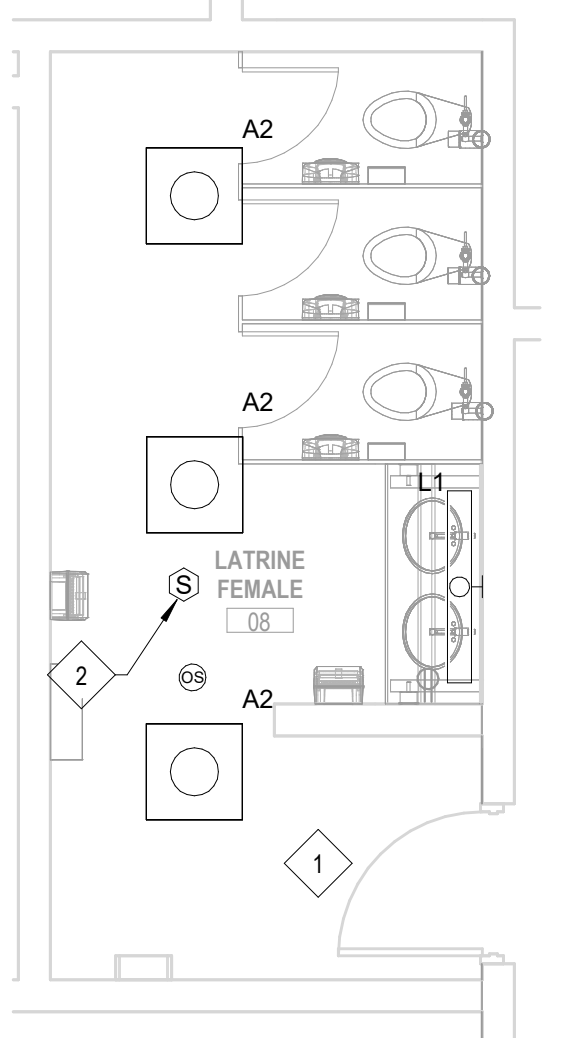
E201

**REF. NOTES (◊):**

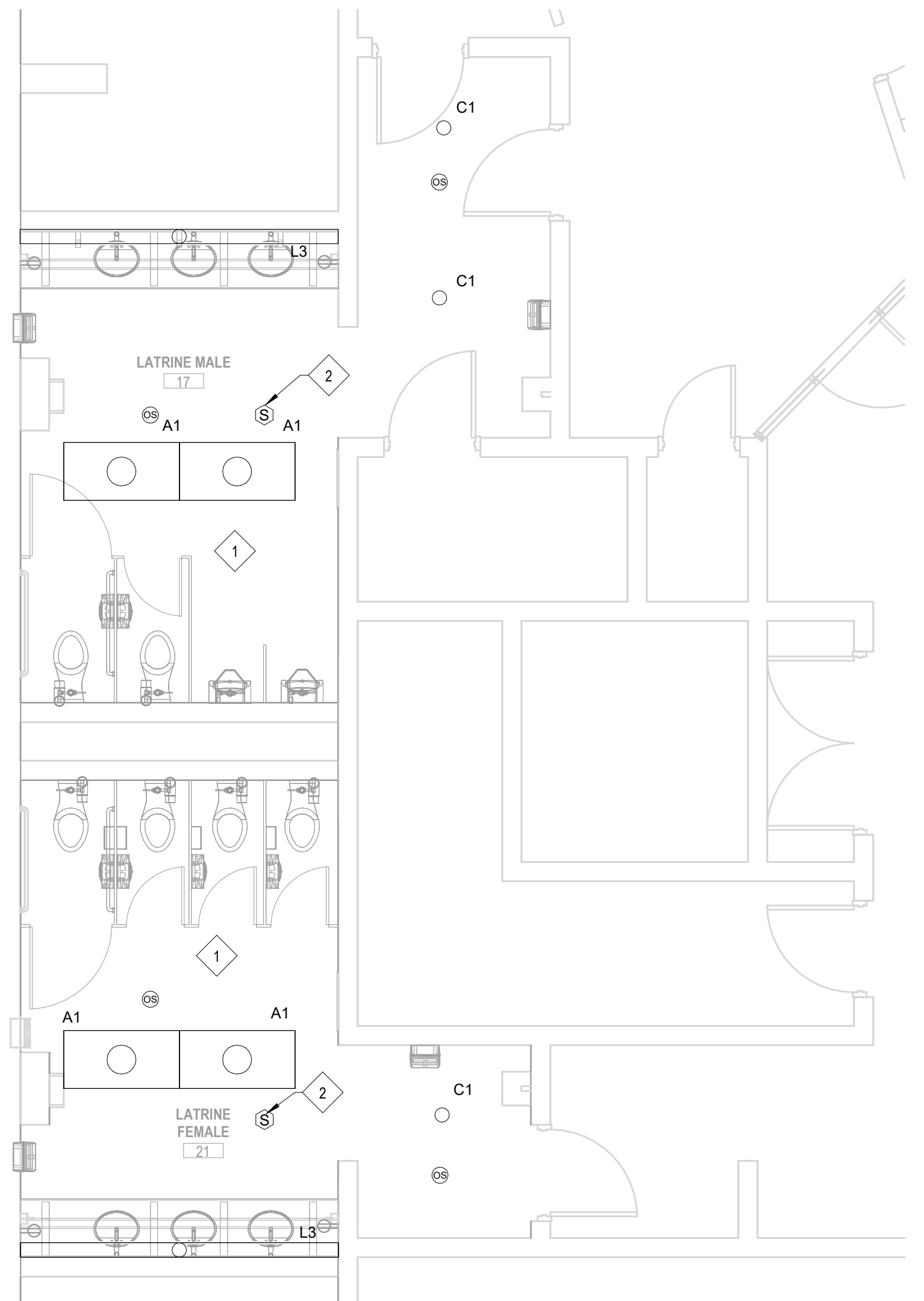
- CONNECT NEW LIGHTING TO EXISTING LIGHTING CIRCUIT SERVING ROOM.
- REINSTALL FIRE ALARM DEVICE IN NEW CEILING.



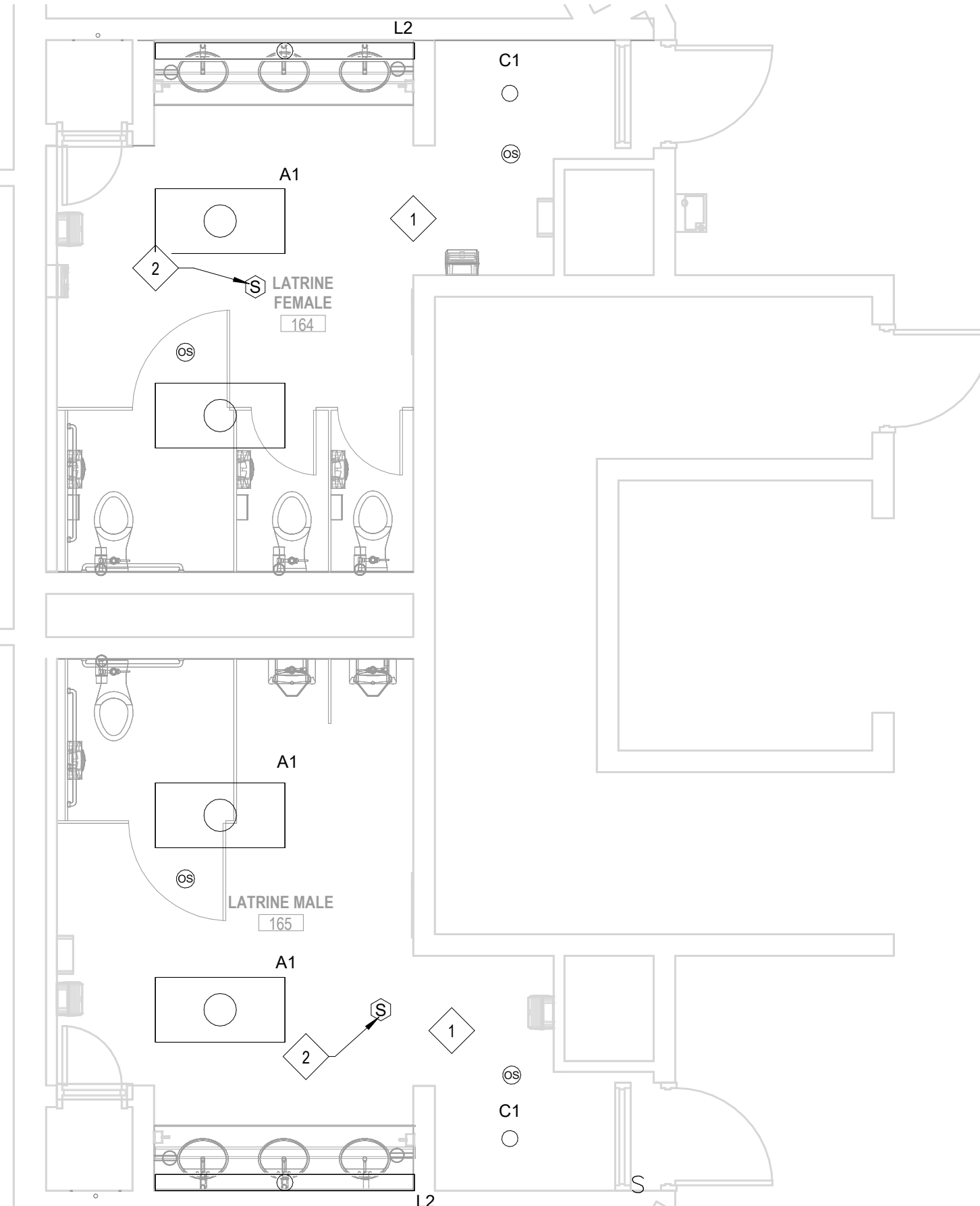
1 SUB GRADE ENLARGED PLAN - 02 LATRINE MALE  
SCALE: 1/4" = 1'-0"



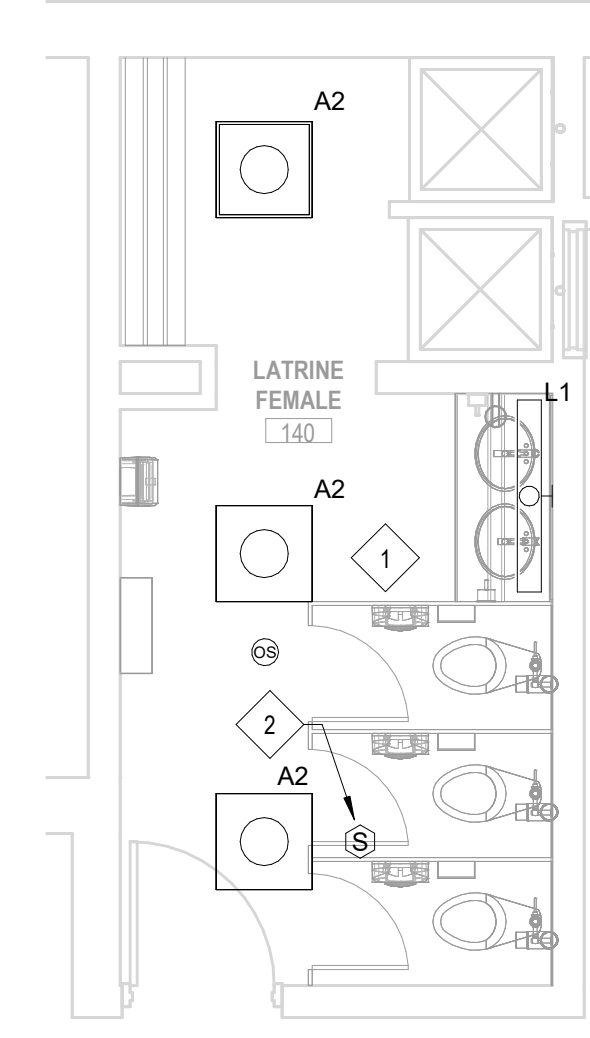
2 SUB GRADE ENLARGED PLAN - 08 LATRINE FEMALE  
SCALE: 1/4" = 1'-0"



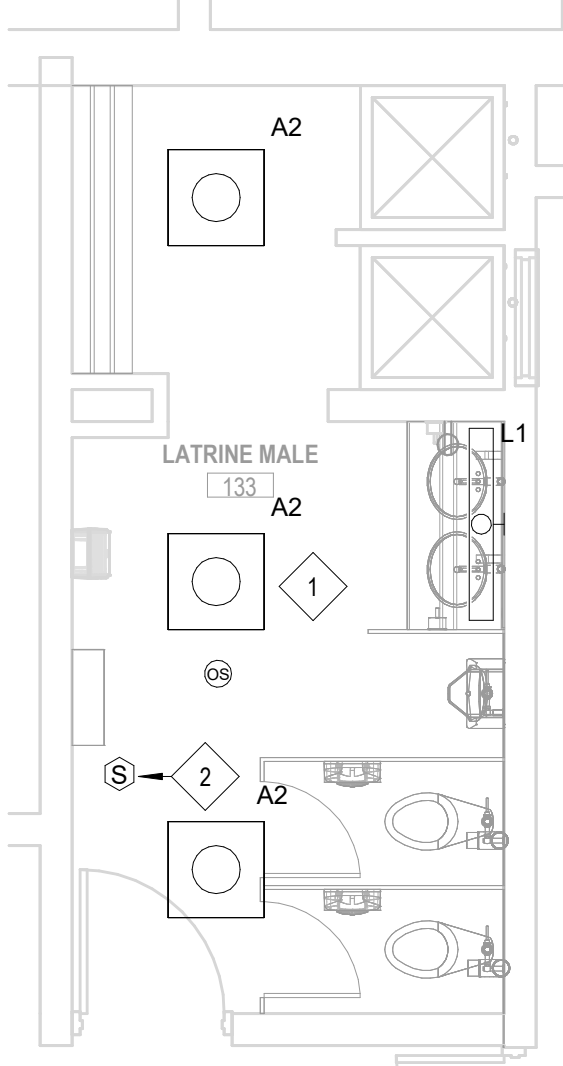
3 SUB GRADE ENLARGED PLAN - 17 LATRINE MALE & 21 LATRINE FEMALE  
SCALE: 1/4" = 1'-0"



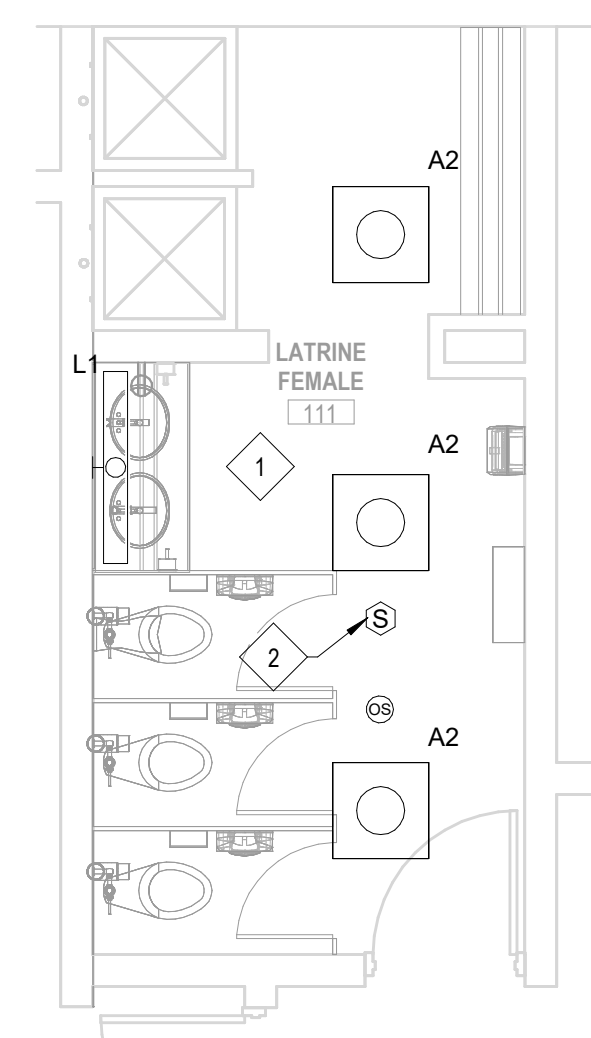
4 FIRST FLOOR ENLARGED PLAN - 165 LATRINE MALE & 164 LATRINE FEMALE  
SCALE: 1/4" = 1'-0"



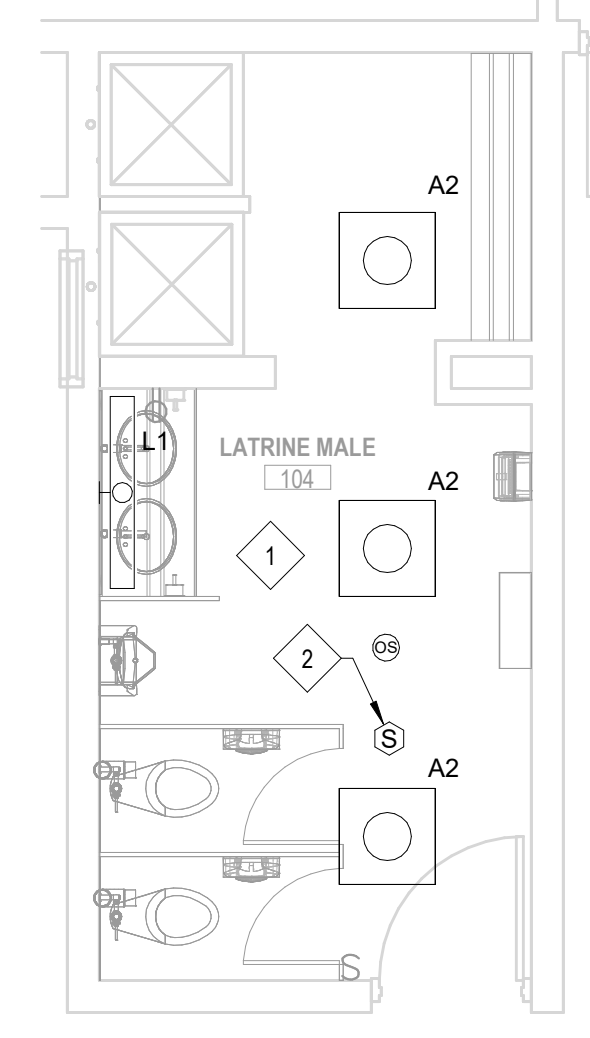
5 FIRST FLOOR ENLARGED PLAN - 140 LATRINE FEMALE  
SCALE: 1/4" = 1'-0"



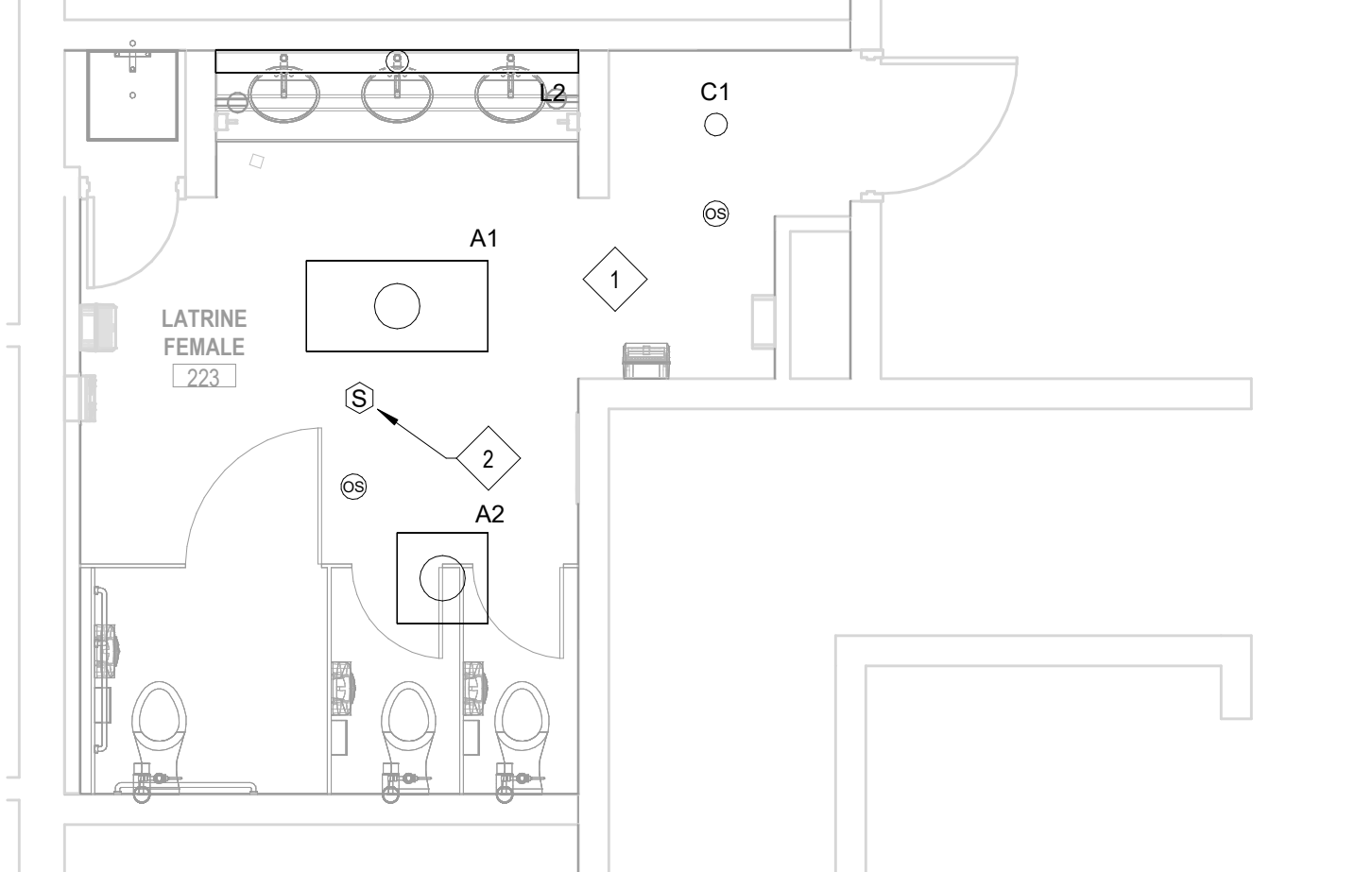
6 FIRST FLOOR ENLARGED PLAN - 133 LATRINE MALE  
SCALE: 1/4" = 1'-0"



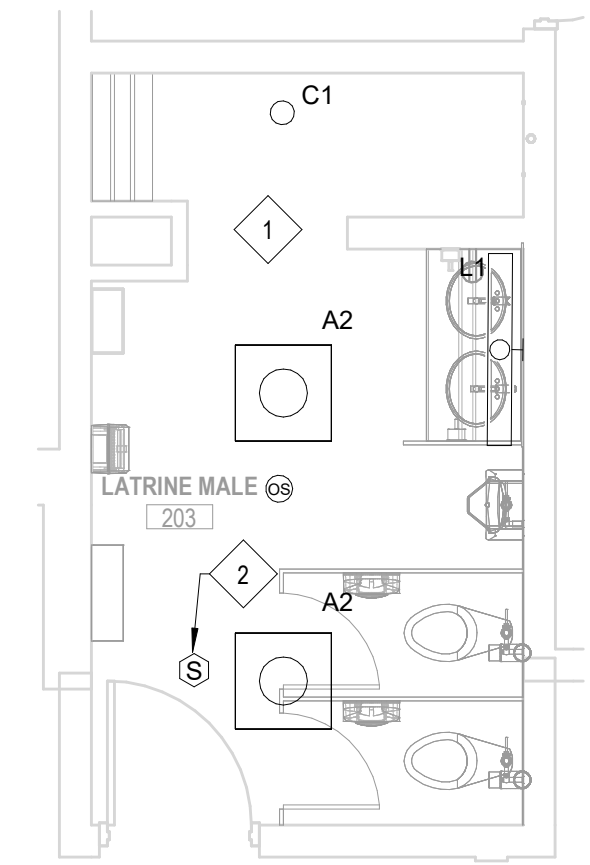
7 FIRST FLOOR ENLARGED PLAN - 111 LATRINE MALE  
SCALE: 1/4" = 1'-0"



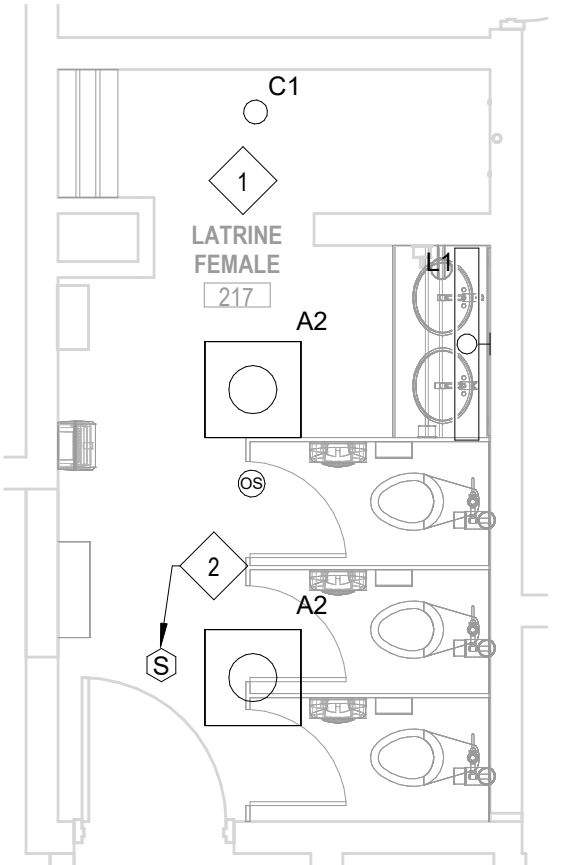
8 FIRST FLOOR ENLARGED PLAN - 104 LATRINE MALE  
SCALE: 1/4" = 1'-0"



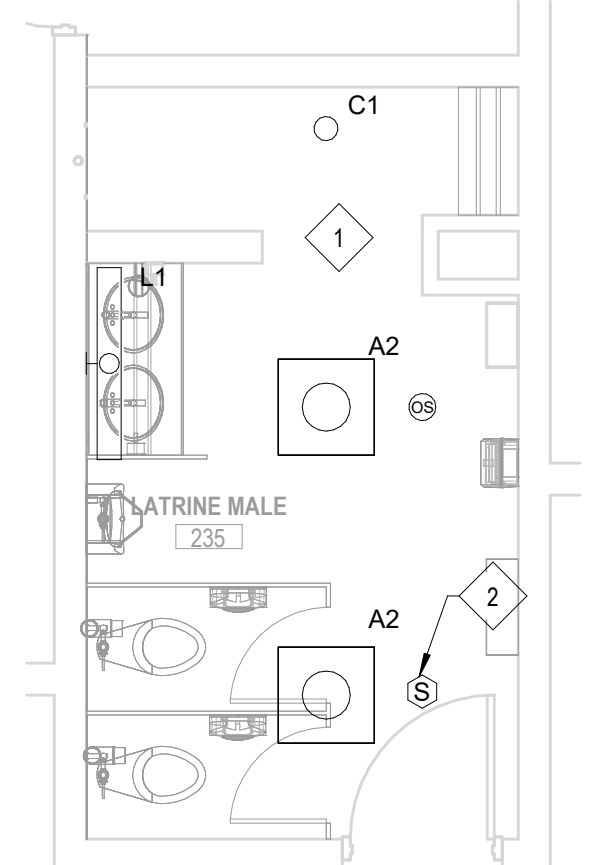
13 SECOND FLOOR ENLARGED PLAN - 224 LATRINE MALE & 223 LATRINE FEMALE  
SCALE: 1/4" = 1'-0"



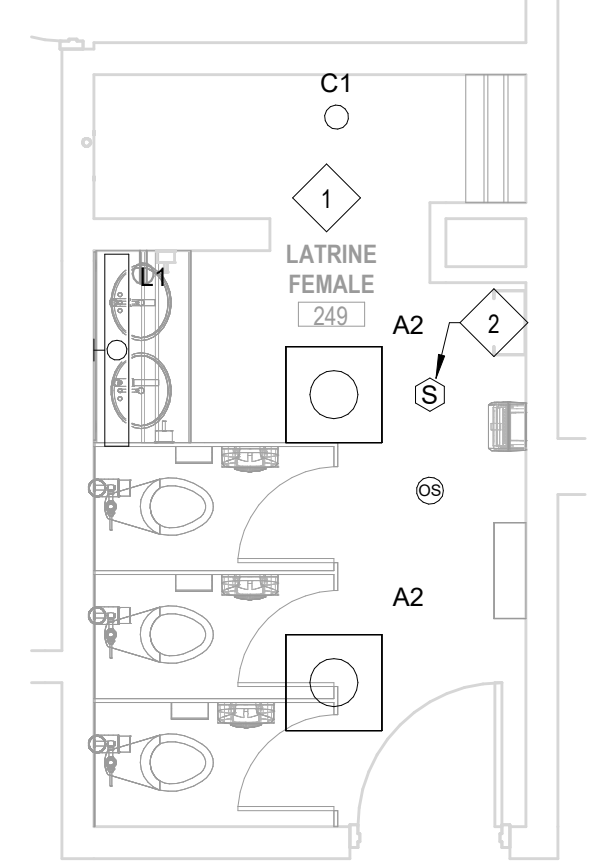
9 SECOND FLOOR ENLARGED PLAN - 203 LATRINE FEMALE  
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SCALE: 1/4" = 1'-0"

DESIGNED:	DES	ISSUE DATE:	07/16/2024
DRAWN:	MOL	DATE:	
CHECKED:	CHK	BY:	DESCRIPTION:
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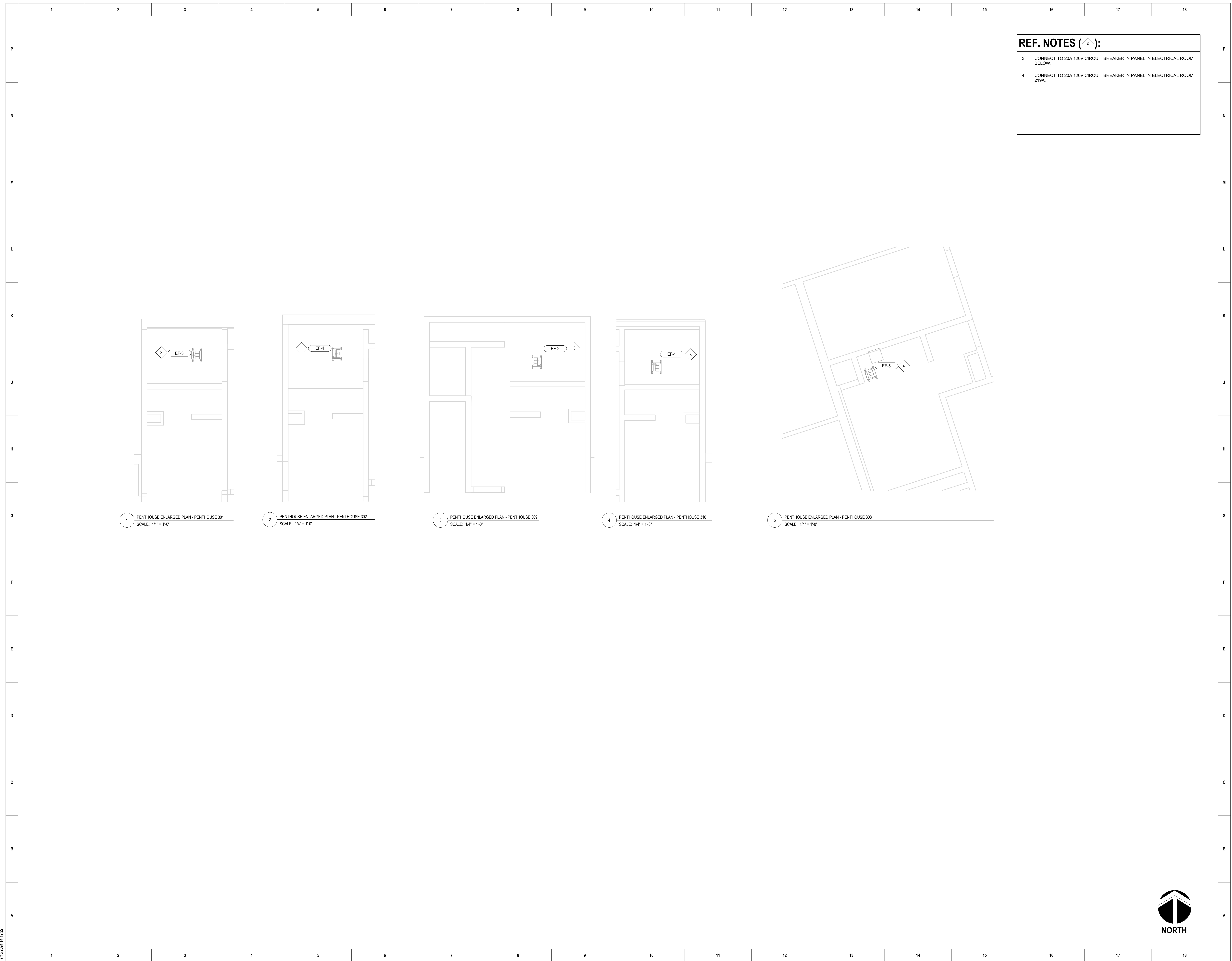
IOWA ARMY NATIONAL GUARD  
BUILDING A-1 RENOVATE LATRINES  
CONTRACT NO.: C322A1047 PROJECT NO.: 19083795  
5698 NW 78TH AVE., JOHNSTON, IA 50131  
ENLARGED PLANS - ELECTRICAL

PROJECT NO.: 08320.001



E301

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1 PENTHOUSE ENLARGED PLAN - PENTHOUSE 301  
SCALE: 1/4" = 1'-0"

2 PENTHOUSE ENLARGED PLAN - PENTHOUSE 302  
SCALE: 1/4" = 1'-0"

3 PENTHOUSE ENLARGED PLAN - PENTHOUSE 309  
SCALE: 1/4" = 1'-0"

4 PENTHOUSE ENLARGED PLAN - PENTHOUSE 310  
SCALE: 1/4" = 1'-0"

5 PENTHOUSE ENLARGED PLAN - PENTHOUSE 308  
SCALE: 1/4" = 1'-0"

**REF. NOTES (◊):**

- 3 CONNECT TO 20A 120V CIRCUIT BREAKER IN PANEL IN ELECTRICAL ROOM BELOW.
- 4 CONNECT TO 20A 120V CIRCUIT BREAKER IN PANEL IN ELECTRICAL ROOM 215A.



DESIGNED:	DES	ISSUE DATE:	07/16/2024
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**E302**

### EQUIPMENT SCHEDULE

DEVICE	DEVICE DESCRIPTION	VOLTAGE	PH	KW	FLA	HP	STARTER / DISCONNECT			PLUG CONFIG	RECEPT CONFIG	FEEDER SIZE	NOTES
							TYPE	SIZE	FUSE				
EF-1	EXHAUST FAN	120 V	1	-	-	1/8	BCU	20	15	-	-	2#12, 1#12G - 3/4"	
EF-2	EXHAUST FAN	120 V	1	-	-	1/8	BCU	20	15	-	-	2#12, 1#12G - 3/4"	
EF-3	EXHAUST FAN	120 V	1	-	-	1/8	BCU	20	15	-	-	2#12, 1#12G - 3/4"	
EF-4	EXHAUST FAN	120 V	1	-	-	1/8	BCU	20	15	-	-	2#12, 1#12G - 3/4"	
EF-5	EXHAUST FAN	120 V	1	-	-	1/2	NFD	30	-	-	-	2#12, 1#12G - 3/4"	

**GENERAL EQUIPMENT SCHEDULE NOTES:**

- A. THIS SCHEDULE DISPLAYS SIZING INFORMATION THAT IS GENERIC IN NATURE. SCHEDULE DOES NOT ITEMIZE ALL INSTANCES OF EQUIPMENT. CONTRACTOR SHALL REFER TO THE PLANS FOR FINAL QUANTITIES AND LOCATIONS.
- B. MOUNT ALL DISCONNECTS AND STARTERS ON ASSOCIATED EQUIPMENT UNLESS SHOWN OTHERWISE. MAINTAIN WORKING CLEARANCES PER NEC; COORDINATE WITH MECHANICAL CONTRACTOR.
- C. BCU = BOX COVER UNIT (COOPER #SSY / #STY OR EQUAL) WITH FUSE.
- D. NFD OR FD = NON-FUSED OR FUSED DISCONNECT SWITCH.
- E. CS/NFD, FD = COMBINATION STARTER/ NON OR FUSED DISCONNECT SWITCH.
- F. INT = INTEGRAL DISCONNECT FURNISHED WITH EQUIPMENT.
- G. FHPMC = FRACTIONAL HORSEPOWER MANUAL CONTROLLER.
- H. HPMC = INTEGRAL HORSEPOWER MANUAL CONTROLLER.
- I. STE = THERMAL ELEMENT SWITCH. PROVIDE THERMAL UNIT.
- J. EXP = DEVICE TO BE EXPLOSION-PROOF.
- K. ALL SWITCHES, DISCONNECTS, ETC SHALL BE LOCKABLE.
- L. ALL SWITCHES, DISCONNECTS, ETC SHALL BE NEMA 3R WHERE REQUIRED.
- M. PROVIDE FUSES AS SHOWN; REVISE SIZES PER ACTUAL NAMEPLATE DATA.
- N. STARTER ACCESSORIES-STARTER ACCESSORIES:
  1. CONTROL TRANSFORMER
  2. H-O-A SWITCH
  3. RED RUN LIGHT
  4. 2 NO CONTACTS; 2 NC CONTACTS

**EQUIPMENT SCHEDULE NOTES:**

- 1. XXXX.

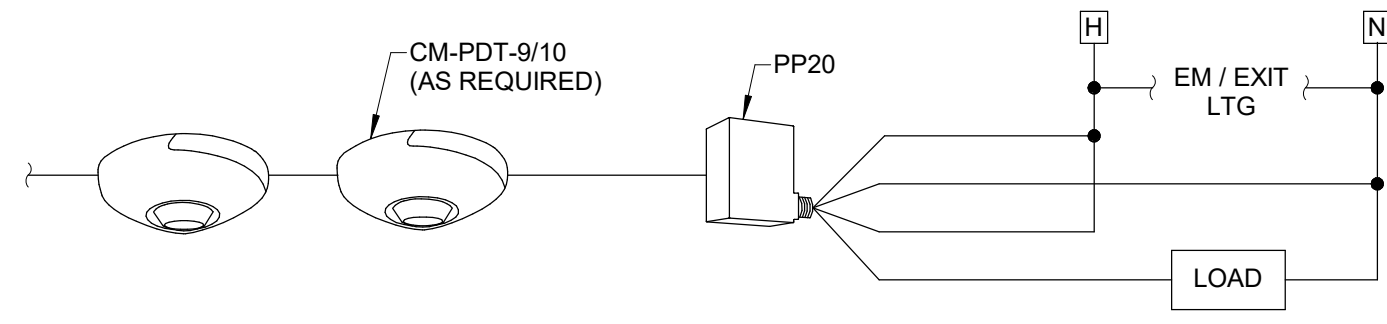
### LUMINAIRE SCHEDULE

TYPE NO	DESCRIPTION / SPEC NO	TOTAL WATTS	VOLT	MOUNTING	NOTES
A2	2X2 RECESSED LED LITHONIA EPANL 2X2 3400LM 80CRI 40K MIN10 ZT MVOLT	32 VA	MVOLT	CEILING	
C1	6" RECESSED CAN LED LITHONIA LDN640/1500 L06 AR LSS MVOLT GZ10	32 VA	MVOLT	CEILING	
L1	4" WALL MOUNTED RECTANGULAR LITHONIA BLWP4 30L SDSM EZ1 LP840	32 VA	120 V		2,3
L2	5" LINEAR 8" MARK SPRLED LOP XFTX.X RLP G9 80CRI 40K 450LMF NODIM MVOLT	32 VA	MVOLT	CEILING	1
L3	5" LINEAR 11" MARK SPRLED LOP XFTX.X RLP G9 80CRI 40K 450LMF NODIM MVOLT	32 VA	MVOLT	CEILING	1

**LUMINAIRE SCHEDULE NOTES:**

- 1. FIELD VERIFY LENGTH AND PROVIDE ACCORDINGLY.
- 2. COORDINATE MOUNTING HEIGHT BEFORE ROUGH-IN.
- 3. MOUNT ABOVE MIRROR.

LITHONIA  
(ACUITY)



1 LITHONIA (ACUITY) - TYPICAL LIGHTING WIRING DIAGRAMS  
SCALE: NOT TO SCALE

NOTE: ACUITY BRAND SHOWN AS BASIS OF DESIGN. EQUAL SYSTEMS BY OTHER MANUFACTURER'S ARE ACCEPTABLE.

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SCHEDULES & DETAILS

PROJECT NO.: 08320.001

E601