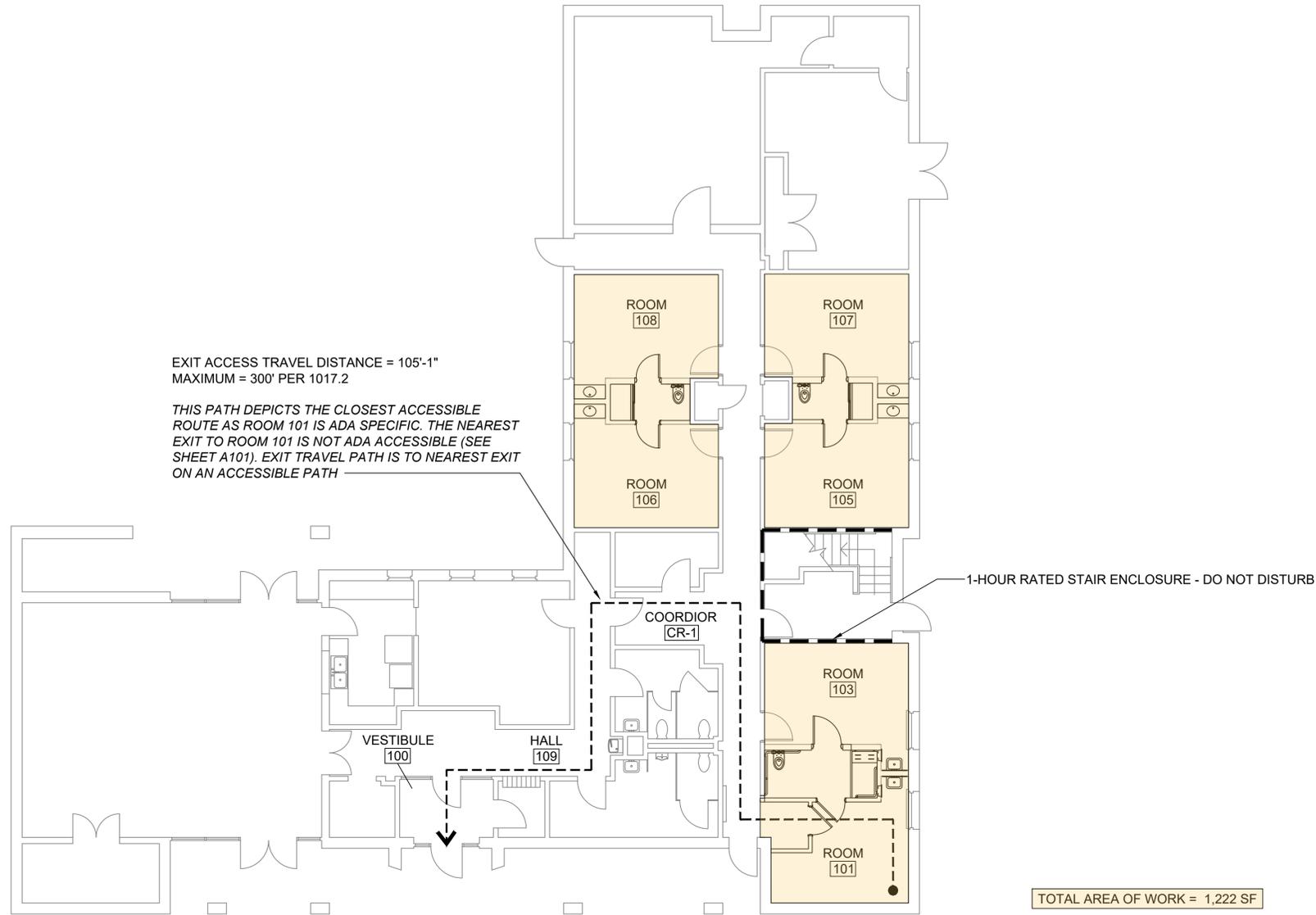




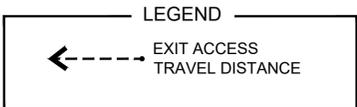
**CODE INFORMATION  
 AND LIFE SAFETY PLAN**

SPECIAL PURPOSE HOUSING UNIT 67G FIRST FLOOR RENOVATIONS  
 BLACKSBURG, VA

UBO APPROVAL  

TOTAL AREA OF WORK = 1,222 SF



**NOTE**  
 THE COMMON PATH OF EGRESS TRAVEL FROM ROOMS 101-108 HAVE NOT BEEN SIGNIFICANTLY ALTERED BY THE WORK.

EXIT ACCESS TRAVEL DISTANCE & EGRESS PATHS OF ROOMS 105-108 WILL NOT BE SIGNIFICANTLY ALTERED BY THE WORK.

OCCUPANT LOADS AND EGRESS CAPACITY OF ALL ROOMS HAVE NOT BEEN CHANGED BY THE WORK.

**LIFE SAFETY PLAN**  
 1/8" = 1'-0"



**EXPLANATION OF PROPOSED WORK:**

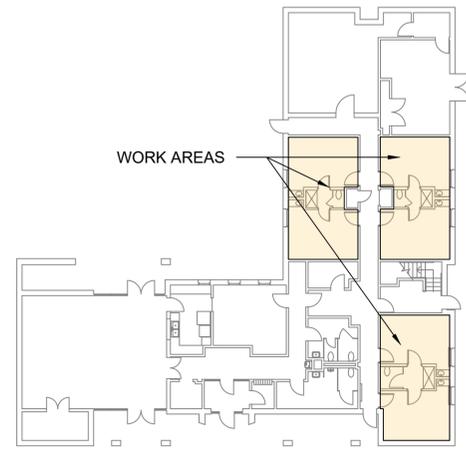
THREE (3) SHARED FIRST FLOOR RESIDENTIAL SUITES WILL BE RENOVATED IN SPECIAL PURPOSE HOUSING BUILDING G. RENOVATIONS INCLUDE NEW LAVATORIES, LIGHTING, FLOORING, AND WALL BASE IN ALL SIX ROOMS, AND NEW TILE, SHOWERS, DOORS & DOOR FRAMES, AND ACCESSORIES IN ALL THREE BATHROOMS. RESIDENCE ROOMS 101 AND 103 AND THEIR SHARED BATHROOM WILL BE RENOVATED TO BE ADA ACCESSIBLE.

EXISTING BUILDING INFORMATION:  
 SPECIAL PURPOSE HOUSING BUILDING G - TRI DELTA (BUILDING #0067)  
 ADDRESS: 2575 OAK LANE BLACKSBURG, VA 24061  
 ORIGINAL BUILDING CONSTRUCTION DATE: DESIGNED 1988  
 ORIGINAL BUILDING CODE: VIRGINIA UNIFORM STATEWIDE BUILDING CODE - 1987 EDITION  
 GROSS BUILDING AREA: 9,300 SF

THE EXISTING SPRINKLER SYSTEM SHALL BE MODIFIED AS REQUIRED BY THE 2023 VA TECH DESIGN AND CONSTRUCTION STANDARDS AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES, STANDARDS, AND LEGISLATION. PROVIDE SUBMITTALS AS REQUIRED BY THE UNIVERSITY BUILDING OFFICIAL.

**LIFE SAFETY AND BUILDING CODE NOTES:**

- APPLICABLE CODES AND STANDARDS:  
 2021 VIRGINIA EXISTING BUILDING CODE  
 2021 VIRGINIA STATEWIDE FIRE PREVENTION CODE  
 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN (SEE SHEET A101 FOR THE ACCESSIBILITY PLAN)  
 ANSI A117.1-2017  
 2023 VIRGINIA TECH DESIGN AND CONSTRUCTION STANDARDS MANUAL
- USE & OCCUPANCY: (A-3) ASSEMBLY @ MULTI-PURPOSE ROOM & (R) RESIDENTIAL @ RESIDENTIAL WING (WORK AREAS)
- CONSTRUCTION TYPE: IIIB (NON-COMBUSTIBLE/COMBUSTIBLE - UNPROTECTED)
- AN AUTOMATIC SPRINKLER SYSTEM IS PRESENT IN ALL WORK AREAS.
- A FIRE ALARM SYSTEM IS PRESENT IN ALL WORK AREAS.
- ALL NEW WORK SHALL COMPLY WITH LEVEL 1 ALTERATIONS (VEBC SECTION 602) AND LEVEL 2 ALTERATIONS (VEBC SECTION 603)
- NEW WORK WILL NOT INCREASE THE DESIGN GRAVITY LOAD BY MORE THAN 5%, SO NO STRENGTHENING OF STRUCTURAL ELEMENTS IS REQUIRED (603.7.3).
- PENETRATIONS IN FIRE-RATED WALLS ARE NOT ANTICIPATED. WHERE WALL PENETRATIONS OCCUR, SEAL AT BOTH SIDES OF THE WALL WITH POLYURETHANE SEALANT.



**OVERALL FIRST FLOOR EXISTING PLAN**  
 N.T.S.

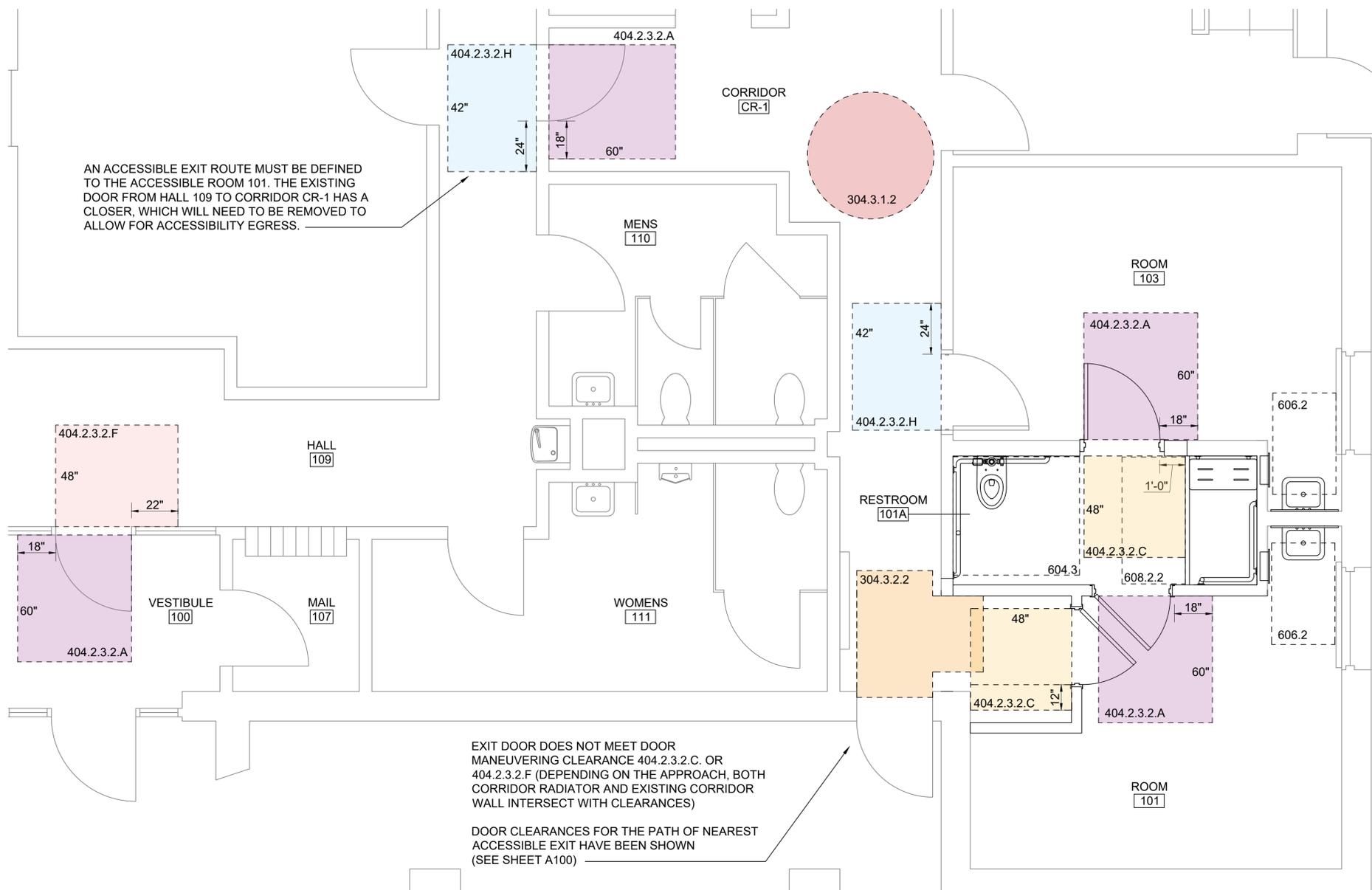
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**A100**

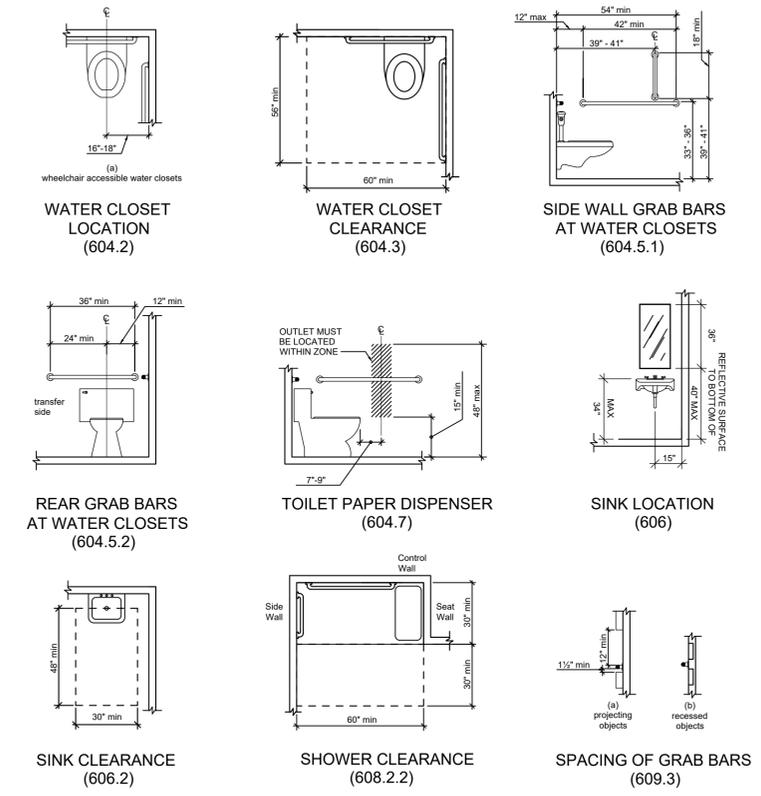


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| DATE:             | 02-11-2026 |
| COMM No:          | 26-01      |
| DRAWN BY:         | AJP        |
| CHECKED BY:       |            |
| STATE PROJECT No: |            |

# ACCESSIBILITY PLAN

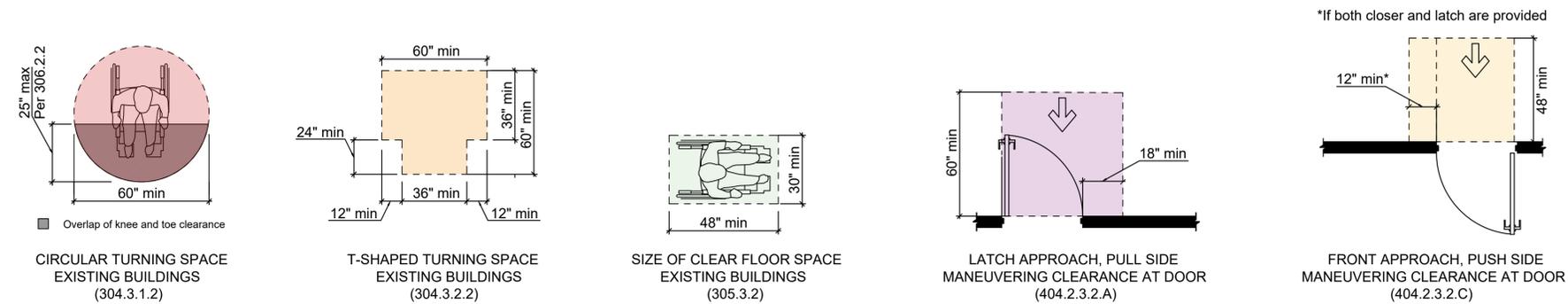
SPECIAL PURPOSE HOUSING UNIT 67G FIRST FLOOR RENOVATIONS  
BLACKSBURG, VA



2017 ANSI A117.1 OR 2010 ADA STANDARDS  
REQUIRED TOILET ROOM CLEARANCES  
NOT TO SCALE

## ACCESSIBILITY PLAN - ROOM 101, RESTROOM 101A, AND ROOM 103

3/8" = 1'-0"



## 2017 ANSI A117.1 OR 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN- REQUIRED MANEUVERING CLEARANCES

NOT TO SCALE

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A101

**GENERAL DEMOLITION NOTES**

1. SEE MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR DEMOLITION OF ITEMS IN THOSE DISCIPLINES.
2. FOR THE DURATION OF THE PROJECT THE CONTRACTOR SHALL PROVIDE CLASS 'A' FIRE RETARDANT DUST-PROOF TEMPORARY CONSTRUCTION AS REQUIRED TO AVOID TRANSFER OF CONSTRUCTION CONTAMINANTS OUTSIDE ANY AREA OF WORK. THE CONTRACTOR SHALL CLEAN UP AT THE END OF EACH WORK DAY.
3. PROVIDE WALK-OFF MATS AT ALL ENTRANCES TO THE WORK AREA. COORDINATE LOCATIONS WITH RENOVATIONS PROJECT MANAGER. KEEP MATS SECURED TIGHTLY TO THE FLOOR.
4. ITEMS SHOWN DASHED ON DEMOLITION PLANS, SECTIONS, AND DETAILS ARE TO BE REMOVED IN THEIR ENTIRETY, INCLUDING ALL ASSOCIATED PARTS, WHETHER SHOWN ON THE DRAWINGS OR NOT.
5. BECAUSE OF THE COMPLEXITY OF CONSTRUCTION ALL DEMOLITION ITEMS ARE NOT REPRESENTED ON THE DRAWINGS. THE CONTRACTOR SHALL DEMOLISH EXISTING CONSTRUCTION AS REQUIRED TO INSTALL NEW WORK EVEN IF IT IS NOT SHOWN OR NOTED TO BE DEMOLISHED. SUCH DEMOLITION SHALL OCCUR AT NO ADDITIONAL COST TO THE OWNER.
6. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY BRACING, SHORING, AND SUPPORT REQUIRED. THE DESIGN OF SUCH TEMPORARY CONSTRUCTION SHALL BE DELEGATED TO THE CONTRACTOR. THE CONTRACTOR SHALL PROCURE DESIGN SERVICES FROM AN ENGINEER LICENSED IN THE STATE OF VIRGINIA AND SHALL SUBMIT SEALED DESIGNS TO THE ARCHITECT AND UBO FOR RECORD.

7. COORDINATE EXACT EXTENT OF DEMOLITION WITH NEW WORK.
8. FOR THE DURATION OF THE PROJECT THE CONTRACTOR SHALL PROTECT ALL EXISTING CONSTRUCTION TO REMAIN. REPAIR ALL DAMAGES TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST TO THE OWNER.
9. THE CONTRACTOR SHALL PROPERLY DISPOSE OF ALL DEMOLISHED MATERIALS OFFSITE.
10. REMOVAL OF CONCRETE SLABS, WALLS, AND PORTIONS OF WALLS SHALL BE DONE WITH BLADED EQUIPMENT AND NOT HAMMER EQUIPMENT UNLESS SPECIFICALLY AUTHORIZED BY THE SAPM.
11. CONCRETE SLAB DEMOLITION IS NOT SHOWN ON THE DEMOLITION PLANS. DEMOLISH CONCRETE SLAB ON GRADE AS REQUIRED TO PROPERLY INSTALL ALL NEW WORK. SEE "CONCRETE SLAB DEMOLITION AND NEW WORK AT LINEAR DRAINS" NOTE ON SHEET A400 FOR A MORE DETAILED DESCRIPTION OF WORK AT NEW LINEAR FLOOR DRAINS.
12. TERMINATE REMOVAL OF CARPET IN RESIDENCE ROOMS UNDER THE CORRIDOR DOOR. TEMPORARILY SECURE CUT EDGE UNTIL NEW FLOORING AND TRANSITION ARE INSTALLED.
13. THE CONTRACTOR SHALL COORDINATE WITH THE SAPM TO DEFINE A ROUTE TO THE WORK AREA. THE CONTRACTOR SHALL ACCESS THE WORK AREA VIA THIS ROUTE UNLESS OTHERWISE APPROVED BY THE SAPM. THE CONTRACTOR SHALL NOT BLOCK, OR OTHERWISE IMPEDE, THE CORRIDORS WHICH ARE EMERGENCY MEANS OF EGRESS FROM THE BUILDING.
14. THE CONTRACTOR SHALL COORDINATE ANY INTERRUPTION IN UTILITIES WITH THE OWNER.
15. GRIND EXISTING CONCRETE SLABS TO PROVIDE POSITIVE DRAINAGE FROM ALL POINTS IN THE NEW SHOWERS TO FLOOR DRAINS IN SHOWERS.

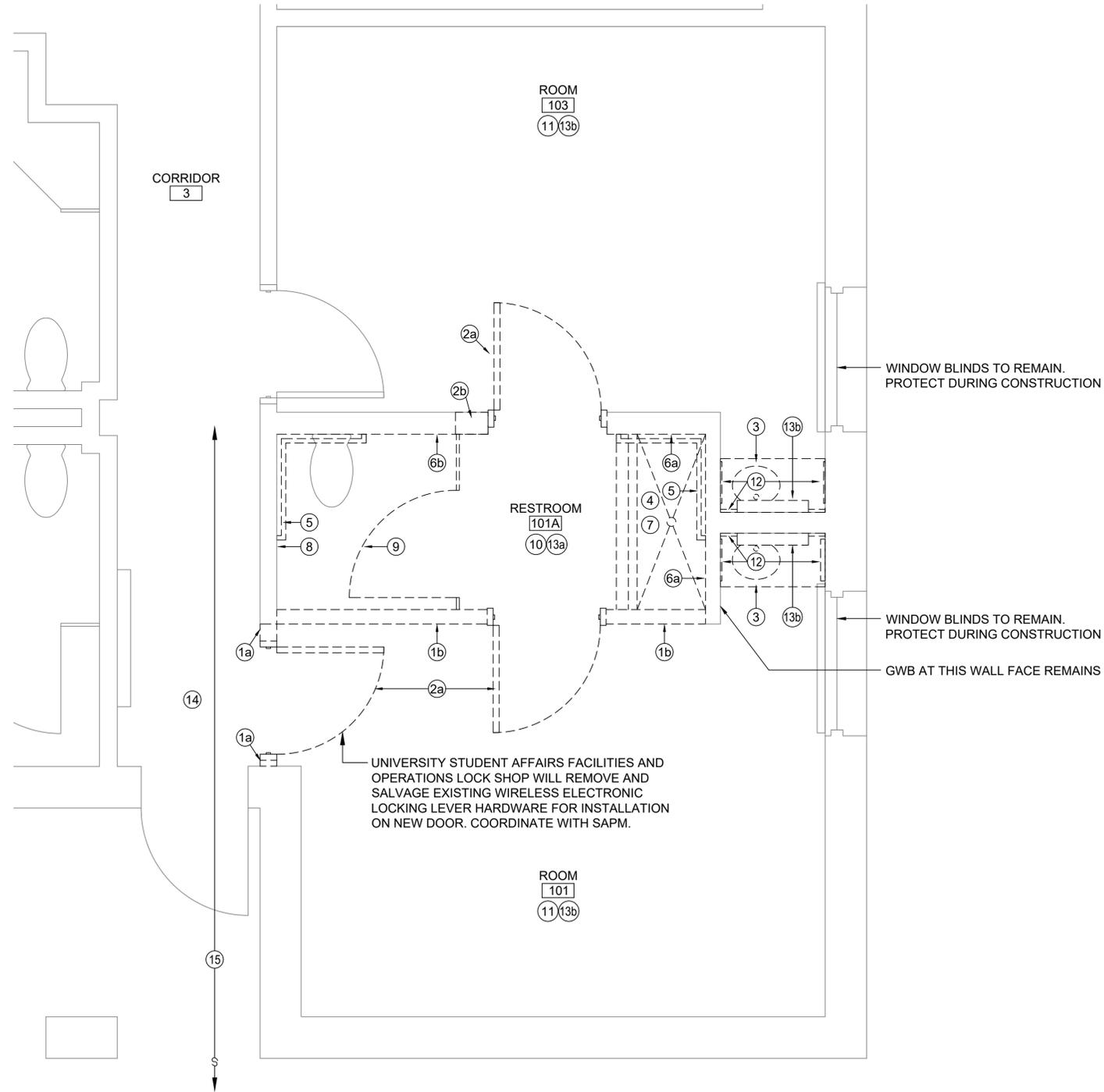
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**DEMOLITION PLAN AND NOTES**  
**ROOMS 101, 101A & 103**

SPECIAL PURPOSE HOUSING UNIT 67G FIRST FLOOR RENOVATIONS  
BLACKSBURG, VA



**DEMOLITION PLAN KEY NOTES**

- 1a) DEMOLISH EXISTING CMU WALL AS REQUIRED TO INSTALL NEW LINTEL. REMOVE 4" RUBBER FLOOR BASE. PATCH AND REPAIR ADJACENT SURFACES AS REQUIRED FOR NEW WORK. COORDINATE EXTENTS OF WALL DEMOLITION WITH NEW WORK. PROVIDE THIS IS A BEARING WALL. PROVIDE TEMPORARY CONSTRUCTION AS REQUIRED TO SUPPORT THE WALL ABOVE UNTIL NEW WORK IS CAPABLE OF FULL BEARING.
- 1b) DEMOLISH EXISTING GWB AND METAL STUD WALL AND 4" RUBBER BASE. REMOVE THE WALL FROM FLOOR SLAB TO UNDERSIDE OF FLOOR STRUCTURE ABOVE. PATCH AND REPAIR ADJACENT SURFACES AS REQUIRED FOR NEW WORK. COORDINATE EXTENTS OF WALL DEMOLITION WITH NEW WORK.
- 2a) REMOVE EXISTING 3'-0" X 6'-8" DOOR, HOLLOW METAL FRAME, AND ALL ASSOCIATED HARDWARE AND PARTS.
- 2b) DEMOLISH A PORTION OF EXISTING METAL STUD AND GWB WALL AS NEEDED FOR NEW DOOR LOCATION (SEE DRAWINGS FOR DIMENSIONS) AND INSTALLATION OF NEW TRENCH DRAIN. COORDINATE EXTENT OF DEMOLITION WITH NEW WORK.
- 3) REMOVE EXISTING SINK AND COUNTERTOP, INCLUDING ALL RELATED PLUMBING AND SUPPORTS - SEE PLUMBING DEMOLITION PLANS FOR EXTENTS OF PIPING DEMOLITION. REMOVE GWB AS REQUIRED TO INSTALL BLOCKING AND/OR SINK CARRIER. REPAIR AND PREPARE GWB SURFACES TO A LEVEL 4 FINISH.
- 4) REMOVE EXISTING STAINLESS STEEL FLOOR EDGE, SHOWER CURTAIN ROD AND CURTAIN, SHOWER HEAD, CONTROLS, AND ASSOCIATED PIECES AND PARTS. SEE PLUMBING DEMOLITION DRAWINGS.
- 5) REMOVE EXISTING WALL MOUNTED GRAB BARS.
- 6a) DEMOLISH WALL TILE. DEMOLISH EXISTING BACKER BOARD BACK TO METAL STUDS. TILE AND BACKER BOARD EXTEND TO CEILING (+/- 7'-6"). PROTECT AND RETAIN EXISTING METAL STUDS. REPAIR AND PLUMB (STRAIGHTEN) STUDS TO RECEIVE NEW SUBSTRATE.
- 6b) DEMOLISH EXISTING GWB BACK TO METAL STUDS. PROTECT AND RETAIN EXISTING METAL STUDS. REPAIR AND PLUMB STUDS TO RECEIVE NEW SUBSTRATE.
- 7) DEMOLISH EXISTING SHOWER CURB AND EPOXY FLOORING.
- 8) REMOVE EXISTING WALL-MOUNTED TOILET PAPER DISPENSER.
- 9) REMOVE EXISTING TOILET PARTITION SYSTEM. PULL ANCHORS FROM SLAB OR GRIND FLUSH.
- 10) DEMOLISH EXISTING CERAMIC FLOOR TILE, TILE BASE, AND DOOR THRESHOLDS. DEMOLISH EXISTING SLAB ON GRADE AS NECESSARY TO INSTALL NEW FLOOR DRAINS, NEW SLOT DRAINS (TRENCH DRAINS), REMOVE EXISTING FLOOR DRAINS, AND INSTALL AND CONNECT NEW PLUMBING. SEE PLUMBING DRAWINGS FOR FLOOR AND SHOWER DRAIN RECONFIGURATION. REMOVE EXISTING WALLS AS REQUIRED TO CUT SLAB AND INSTALL NEW TRENCH DRAINS. GRIND EXISTING CONCRETE FLOOR SLAB TO PREPARE FOR NEW TILE INSTALLATION.
- 11) DEMOLISH EXISTING 4" RUBBER WALL BASE, BROADLOOM CARPET, AND ADHESIVE. PREPARE FLOOR SLAB FOR NEW LVT AS REQUIRED BY THE MANUFACTURER. PREPARE WALLS FOR NEW RUBBER WALL BASE AS REQUIRED BY THE MANUFACTURER.
- 12) REMOVE EXISTING WALL-MOUNTED MEDICINE CABINET, TOWEL BAR, AND MIRROR. PREPARE OPENING FOR NEW MEDICINE CABINET AND REPAIR AND PREPARE GWB SURFACES TO A LEVEL 4 FINISH.
- 13a) REMOVE LIGHT FIXTURES FROM CEILING - SEE ELECTRICAL DEMOLITION PLANS. DEMOLISH GWB CEILING AND NON-STRUCTURAL FRAMING SUPPORTING THE GWB CEILING.
- 13b) REMOVE LIGHT FIXTURES FROM CEILING AND WALL - SEE ELECTRICAL DEMOLITION PLANS. REPAIR AND PREPARE ADJACENT SURFACES FOR NEW FIXTURE. DEMOLISH GWB CEILINGS AS REQUIRED TO INSTALL NEW LIGHT FIXTURES. REPAIR AND PREPARE GWB SURFACES TO A LEVEL 4 FINISH.
- 14) CAREFULLY REMOVE, SALVAGE, AND STORE EXISTING SUSPENDED ACOUSTIC TILE CEILING TILES AND GRID COMPONENTS AS NECESSARY TO INSTALL NEW WORK. TEMPORARILY RELOCATE AND MOUNT EXISTING EXIT SIGN ABOVE THE EXTERIOR DOOR. THESE ITEMS SHALL BE REINSTALLED IN THEIR ORIGINAL LOCATIONS.
- 15) SAWCUT EXISTING FLOOR SLAB AND EXTERIOR SIDEWALK CONCRETE AS NECESSARY TO REPLACE SANITARY SEWER (SEE PLUMBING). NOTE THAT THE ENTIRE LENGTH OF THE PIPE TO BE REPLACED IS UNDER CONCRETE. PROTECT EXISTING SIDEWALK.

**95% UBO SUBMITTAL**



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**DEMOLITION FLOOR PLAN - ROOMS 101 & 103**

1/2" = 1'-0"



**A200**

SHEET 4 of 25



**DEMOLITION PLAN AND NOTES**  
**ROOMS 105, 105A & 107**  
 SPECIAL PURPOSE HOUSING UNIT 67G FIRST FLOOR RENOVATIONS  
 BLACKSBURG, VA

**95% UBO SUBMITTAL**



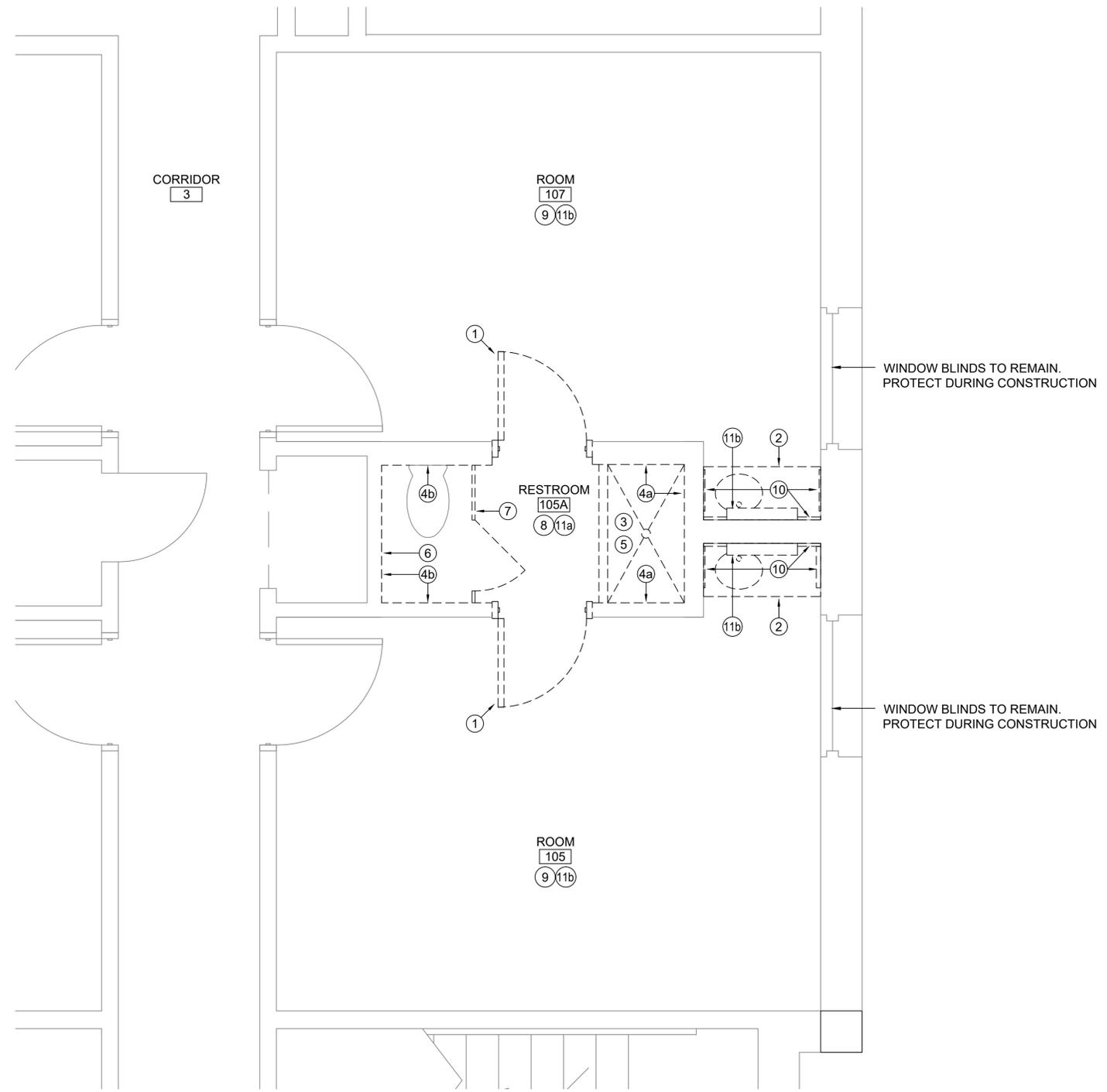
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**A201**

**DEMOLITION PLAN KEY NOTES**

- ① REMOVE EXISTING 2'-6" X 6'-8" DOOR, HOLLOW METAL FRAME, AND ALL ASSOCIATED HARDWARE AND PARTS.
- ② REMOVE EXISTING SINK AND COUNTERTOP, INCLUDING ALL RELATED PLUMBING AND SUPPORTS - SEE PLUMBING DEMOLITION PLANS FOR EXTENTS OF PIPING DEMOLITION. REMOVE GWB AS REQUIRED TO INSTALL BLOCKING AND/OR SINK CARRIER. REPAIR AND PREPARE GWB SURFACES TO A LEVEL 4 FINISH.
- ③ REMOVE EXISTING SHOWER CURTAIN ROD AND CURTAIN, SHOWER HEAD, CONTROLS, AND ALL ASSOCIATED PARTS. SEE PLUMBING DEMOLITION DRAWINGS.
- ④a DEMOLISH WALL TILE. DEMOLISH EXISTING BACKER BOARD BACK TO METAL STUDS. TILE AND BACKER BOARD EXTEND TO CEILING (+/-7'-6"). PROTECT AND RETAIN EXISTING METAL STUDS. REPAIR AND PLUMB STUDS TO RECEIVE NEW SUBSTRATE.
- ④b DEMOLISH GWB AT THIS WALL FACE BACK TO METAL STUDS, PROTECT AND RETAIN EXISTING METAL STUDS. REPAIR AND PLUMB (STRAIGHTEN) STUDS TO RECEIVE NEW SUBSTRATE.
- ⑤ DEMOLISH EXISTING SHOWER CURB AND EPOXY FLOORING. EPOXY IS INSTALLED ON CONCRETE SLAB ON GRADE.
- ⑥ REMOVE EXISTING WALL-MOUNTED TOILET PAPER DISPENSER.
- ⑦ REMOVE EXISTING TOILET PARTITION SYSTEM. PULL ANCHORS FROM SLAB OR GRIND FLUSH.
- ⑧ DEMOLISH EXISTING CERAMIC FLOOR TILE, TILE BASE, AND DOOR THRESHOLDS. DEMOLISH EXISTING SLAB ON GRADE AS NECESSARY TO INSTALL NEW FLOOR DRAINS, NEW SLOT DRAINS (TRENCH DRAINS), REMOVE EXISTING FLOOR DRAINS, AND INSTALL AND CONNECT NEW PLUMBING. SEE PLUMBING DRAWINGS FOR FLOOR AND SHOWER DRAIN RECONFIGURATION. REMOVE EXISTING WALLS AS REQUIRED TO CUT SLAB AND INSTALL NEW TRENCH DRAINS. GRIND EXISTING CONCRETE FLOOR SLAB TO PREPARE FOR NEW TILE INSTALLATION.
- ⑨ DEMOLISH EXISTING 4" RUBBER WALL BASE, BROADLOOM CARPET, AND ADHESIVE. PREPARE FLOOR SLAB FOR NEW LVT AS REQUIRED BY THE MANUFACTURER. PREPARE WALLS FOR NEW RUBBER WALL BASE AS REQUIRED BY THE MANUFACTURER.
- ⑩ REMOVE EXISTING WALL-MOUNTED MEDICINE CABINET, TOWEL BAR, AND MIRROR. REPAIR AND PREPARE GWB SURFACES TO A LEVEL 4 FINISH.
- ⑪a REMOVE LIGHT FIXTURES FROM CEILING - SEE ELECTRICAL DEMOLITION PLANS. DEMOLISH GWB CEILING AND NON-STRUCTURAL FRAMING SUPPORTING THE GWB CEILING.
- ⑪b REMOVE LIGHT FIXTURES FROM CEILING AND WALL - SEE ELECTRICAL DEMOLITION PLANS. REPAIR AND PREPARE ADJACENT SURFACES FOR NEW FIXTURE. DEMOLISH GWB CEILINGS AS REQUIRED TO INSTALL NEW LIGHT FIXTURES. REPAIR AND PREPARE GWB SURFACES TO A LEVEL 4 FINISH.



**DEMOLITION FLOOR PLAN - ROOMS 105 & 107**  
 1/2" = 1'-0"





**DEMOLITION PLAN AND NOTES**  
**ROOMS 106, 106A & 108**

SPECIAL PURPOSE HOUSING UNIT 67G FIRST FLOOR RENOVATIONS  
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**95% UBO  
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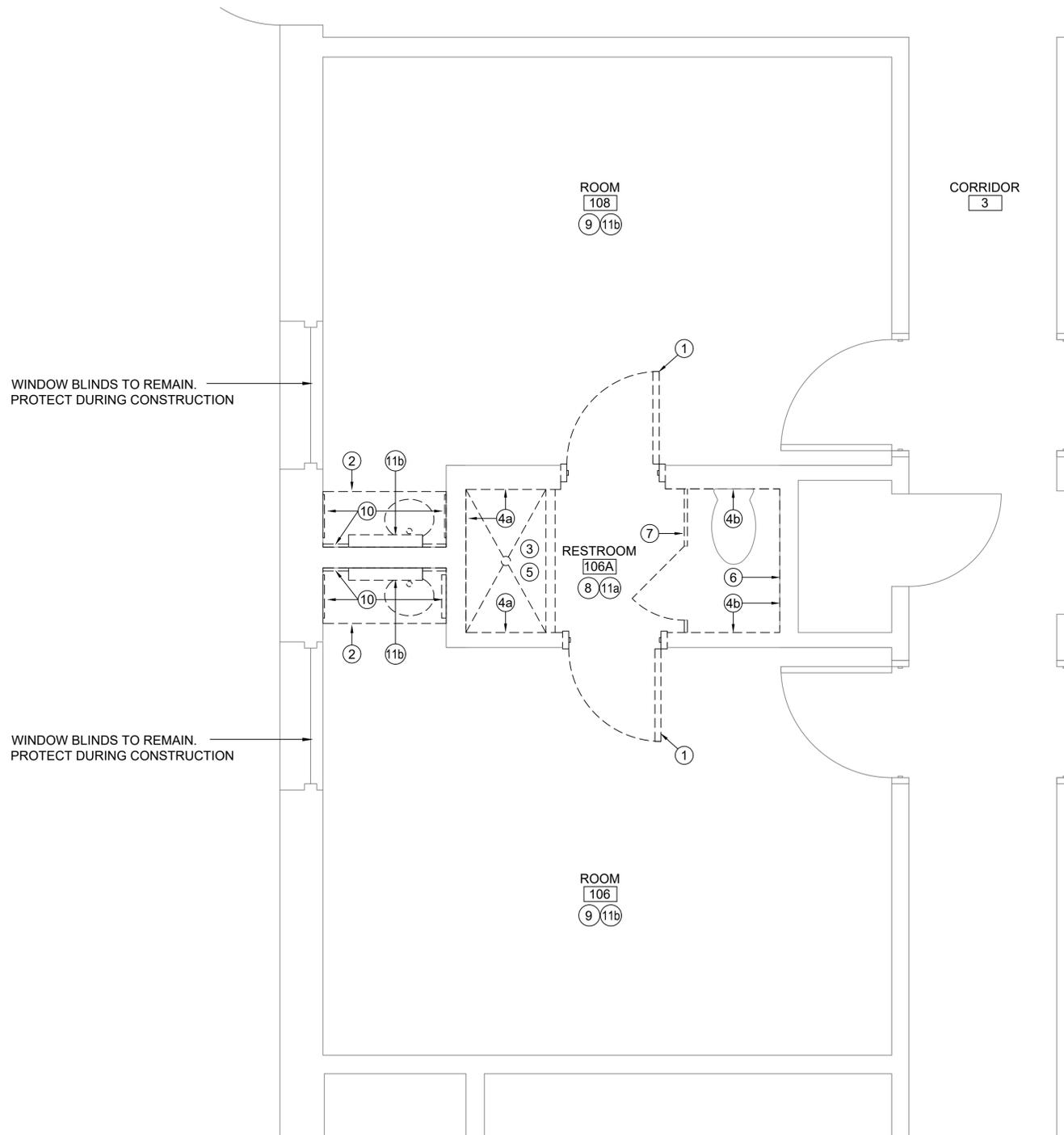
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**A202**

SHEET 6 of 25

**DEMOLITION PLAN KEY NOTES**

- ① REMOVE EXISTING 2'-6" X 6'-8" DOOR, HOLLOW METAL FRAME, AND ALL ASSOCIATED HARDWARE AND PARTS.
- ② REMOVE EXISTING SINK AND COUNTERTOP, INCLUDING ALL RELATED PLUMBING AND SUPPORTS - SEE PLUMBING DEMOLITION PLANS FOR EXTENTS OF PIPING DEMOLITION. REMOVE GWB AS REQUIRED TO INSTALL BLOCKING AND/OR SINK CARRIER. REPAIR AND PREPARE GWB SURFACES TO A LEVEL 4 FINISH.
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- ④b) DEMOLISH GWB AT THIS WALL FACE BACK TO METAL STUDS, PROTECT AND RETAIN EXISTING METAL STUDS. REPAIR AND PLUMB (STRAIGHTEN) STUDS TO RECEIVE NEW SUBSTRATE.
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- ⑦ REMOVE EXISTING TOILET PARTITION SYSTEM. PULL ANCHORS FROM SLAB OR GRIND FLUSH.
- ⑧ DEMOLISH EXISTING CERAMIC FLOOR TILE, TILE BASE, AND DOOR THRESHOLDS. DEMOLISH EXISTING SLAB ON GRADE AS NECESSARY TO INSTALL NEW FLOOR DRAINS, NEW SLOT DRAINS (TRENCH DRAINS), REMOVE EXISTING FLOOR DRAINS, AND INSTALL AND CONNECT NEW PLUMBING. SEE PLUMBING DRAWINGS FOR FLOOR AND SHOWER DRAIN RECONFIGURATION. REMOVE EXISTING WALLS AS REQUIRED TO CUT SLAB AND INSTALL NEW TRENCH DRAINS. GRIND EXISTING CONCRETE FLOOR SLAB TO PREPARE FOR NEW TILE INSTALLATION.
- ⑨ DEMOLISH EXISTING 4" RUBBER WALL BASE, BROADLOOM CARPET, AND ADHESIVE. PREPARE FLOOR SLAB FOR NEW LVT AS REQUIRED BY THE MANUFACTURER. PREPARE WALLS FOR NEW RUBBER WALL BASE AS REQUIRED BY THE MANUFACTURER.
- ⑩ REMOVE EXISTING WALL-MOUNTED MEDICINE CABINET, TOWEL BAR, AND MIRROR. REPAIR AND PREPARE GWB SURFACES TO A LEVEL 4 FINISH.
- ⑪a) REMOVE LIGHT FIXTURES FROM CEILING - SEE ELECTRICAL DEMOLITION PLANS. DEMOLISH GWB CEILING AND NON-STRUCTURAL FRAMING SUPPORTING THE GWB CEILING.
- ⑪b) REMOVE LIGHT FIXTURES FROM CEILING AND WALL - SEE ELECTRICAL DEMOLITION PLANS. REPAIR AND PREPARE ADJACENT SURFACES FOR NEW FIXTURE. DEMOLISH GWB CEILINGS AS REQUIRED TO INSTALL NEW LIGHT FIXTURES. REPAIR AND PREPARE GWB SURFACES TO A LEVEL 4 FINISH.



**DEMOLITION FLOOR PLAN - ROOMS 106 & 108**  
 1/2" = 1'-0"



**GENERAL NEW WORK NOTES**

- THESE DRAWINGS HAVE BEEN PREPARED FROM RECORD DRAWINGS AND NON-DESTRUCTIVE FIELD INVESTIGATION. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO BEGINNING ANY PHASE OF THE WORK OR ORDERING MATERIALS. IF DISCREPANCIES BETWEEN THESE DRAWINGS AND ACTUAL CONDITIONS ARE DISCOVERED THE CONTRACTOR SHALL PROMPTLY NOTIFY THE ARCHITECT IN WRITING.
- WHERE ELECTRICAL, MECHANICAL, AND PLUMBING ITEMS ARE DEMOLISHED IN AREAS NOT EXPOSED TO VIEW, PATCH THE RESULTING OPENINGS TO MATCH ADJACENT EXISTING MATERIALS AND FINISHES.
- SEAL ALL NEW WALL PENETRATIONS WITH POLYURETHANE SEALANT AT BOTH SIDES OF WALL.
- SEAL PERIMETERS OF ALL NEW DOOR FRAMES TO WALLS AND FLOORS WITH POLYURETHANE SEALANT PRIOR TO PAINTING.
- PROVIDE FRTW BLOCKING AT FASTENING POINTS FOR ALL WALL-MOUNTED ITEMS. FRTW BLOCKING SHALL BE MINIMUM 2x6 AND SHALL EXTEND 2" MINIMUM PAST THE EXPECTED FASTENING LOCATIONS.
- PROVIDE SELF-LEVELING SKIM COAT COMPATIBLE WITH SCHLUTER DITRA TILE UNDERLAYMENT WHERE FLOOR DRAIN SUMPS ARE ABANDONED OR FLOOR SLABS MUST OTHERWISE BE LEVELED.
- IN ALL NEW WALLS AND ALL EXISTING WALLS THAT ARE OPENED, PROVIDE UNFACED SOUND ATTENUATION BATT INSULATION FROM FLOOR TO BOTTOM OF FLOOR JOISTS ABOVE. FILL VOIDS BETWEEN FLOOR JOISTS ABOVE SUCH WALLS WITH UNFACED BATT INSULATION.
- PROVIDE SCHLUTER KERDI WATERPROOFING MEMBRANE BEHIND ALL NEW WALL TILE. EXTEND KERDI BEHIND DOOR FRAMES. BOND KERDI TO DITRA MEMBRANE AT FLOOR.
- PAINT ALL SURFACES OF EXISTING RESIDENCE ROOMS IN WORK AREAS. MATCH EXISTING COLOR.

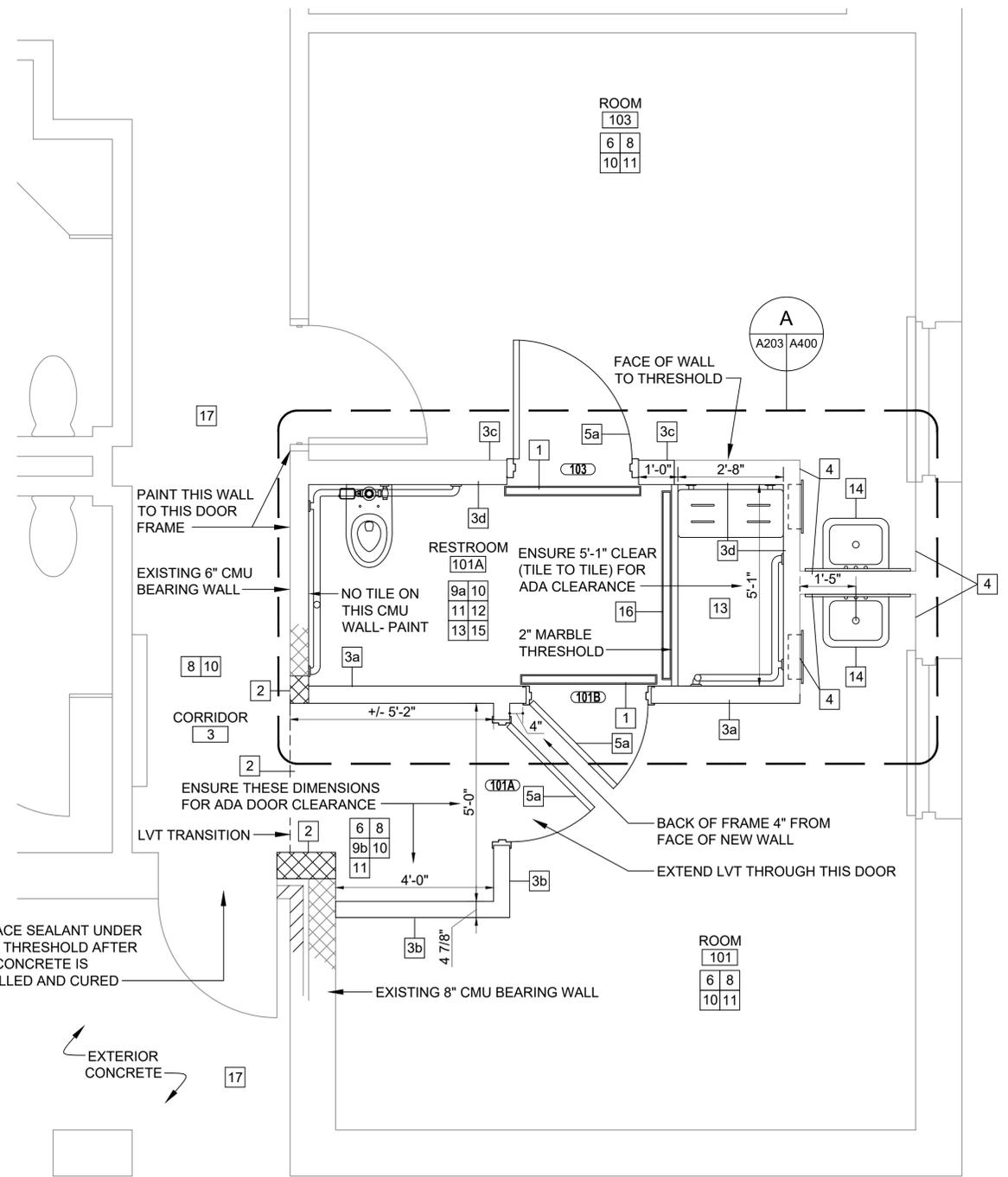
**GROUTING NOTES:**

- GROUT MATERIALS FOR WALLS SHALL CONSIST OF:
  - A STANDARD FINE AGGREGATE (SAND) GROUT, MIXED WITH THE HELIX OR MACRO-FIBERS PER MANUFACTURER'S REQUIREMENTS. FIBERS TO BE BATCHED IN PLANT- NOT AT POINT OF USE.
  - 2000 PSI GROUT COMPRESSIVE STRENGTH AT 28 DAYS
  - SLUMP AT 8-INCHES OR LESS - WITH MID-RANGE ADMIXTURE IF NEEDED
  - MECHANICAL VIBRATION WILL BE REQUIRED - LIGHTLY VIBRATE THE BLOCK (DO NOT DAMAGE BLOCK).
- FIBER FOR GROUT REINFORCEMENT SHALL CONSIST OF ONE OF THE FOLLOWING:
  - HELIX MICRO-REBAR 5-25 (RECOMMENDED) USE 9 LBS OF HELIX PER CY OF GROUT
  - FIBERMESH 650S (OR EQUAL)
  - USE 5 LBS OF 650S PER CY OF GROUT
- GROUT SHALL CURE (3) DAYS MINIMUM AFTER INSTALLATION BEFORE PROCEEDING.

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**NEW WORK PLAN KEY NOTES**

- PROVIDE 39-3/8" SCHLUTER KERDI-LINE LINEAR DRAIN (TRENCH DRAIN) TO BE INSTALLED CENTERED ON DOOR. SEE DETAILS ON SHEET A401 AND SEE PLUMBING DRAWINGS.
- INSTALL NEW 6" PRECAST LINTEL AT +7'-4" TO BOTTOM. PROVIDE (1) #4 BAR IN LINTEL. REMOVE AND REPLACE FACE SHELLS OF CMU ABOVE NEW LINTEL TO ALLOW FOR GROUTING. ENSURE 8" MINIMUM BEARING AT EACH END. AT CMU AT EACH END OF NEW LINTEL GROUT TWO CELLS SOLID FROM FLOOR TO NEW LINTEL (CORE AND PATCH CMU FOR GROUTING). SEE GROUTING NOTES THIS SHEET. PROVIDE NEW CMU AT JAMBS OF OPENING (WITH BULLNOSED OUTSIDE CORNERS). TOOTH NEW CMU INTO EXISTING. DO NOT DISTURB EXISTING CAVITY WALL INSULATION OR BRICK.
- NEW WALL CONSTRUCTED OF 3 3/8" METAL STUDS (@ 16" O.C. MIN), 1/2" CEMENT BOARD WITH SCHLUTER KERDI WATERPROOFING MEMBRANE AND WALL TILE AT RESTROOM SIDE, AND 3/8" GWB AT RESIDENT ROOM SIDE. ATTACH FRAMING TO STRUCTURE ABOVE. EXTEND GWB & CEMENT BOARD TO WITHIN 1/2" OF BOTTOM OF JOISTS.
  - NEW WALL CONSTRUCTED OF 3 3/8" METAL STUDS (@ 16" O.C. MIN) AND 3/8" GWB ON BOTH SIDES. EXTEND FRAMING AND GWB AT BOTH SIDES OF THE WALL TO BOTTOM OF FLOOR DECK ABOVE. SEAL TO FLOOR DECK WITH ACOUSTIC SEALANT.
  - PROVIDE METAL FRAMING AND GWB AS REQUIRED TO REMOVE AND REINSTALL/PATCH WALL AFTER PLUMBING INSTALLATION. FIELD VERIFY METAL STUD AND GWB THICKNESS. EXTEND GWB & CEMENT BOARD TO WITHIN 1/2" OF BOTTOM OF JOISTS. FINISH GWB TO EXISTING GWB CEILING IN RESIDENT ROOMS.
  - PROVIDE NEW CEMENT BOARD WITH SCHLUTER KERDI WATERPROOFING MEMBRANE AND WALL TILE. INSTALL ON EXISTING METAL STUDS. EXTEND CEMENT BOARD TO WITHIN 1/2" OF BOTTOM OF JOISTS. EXTEND KERDI MEMBRANE AND WALL TILE TO RESTROOM CEILING.
- PATCH EXISTING GWB AND METAL STUD WALLS AS REQUIRED TO REPAIR DAMAGE FROM DEMOLITION. PROVIDE LEVEL 4 FINISH AT THESE WALLS.
- PROVIDE NEW 3'-0" X 6'-8" WOOD DOOR, HOLLOW METAL DOOR FRAME, AND HARDWARE. SEE DOOR AND FRAME SCHEDULE ON SHEET A500.
- PROVIDE NEW LVT OVER EXISTING CONCRETE FLOOR SLAB. PREPARE THE CONCRETE FLOOR SLAB AS RECOMMENDED BY THE LVT MANUFACTURER. PROVIDE UNDERSLUNG RUBBER TRANSITION AT EXISTING CARPET IN CORRIDOR. LOCATE TRANSITION UNDER DOOR IN ROOM 103, AND AS INDICATED AT NEW ALCOVE.
- NOT USED
- PROVIDE NEW 4" RUBBER COVE BASE ON ALL NEW AND EXISTING WALLS. IN CORRIDOR 3 EXTEND NEW BASE TO NEAREST EXISTING DOOR FRAMES.
- PROVIDE NEW 2'X2' SUSPENDED ACOUSTICAL TILE CEILING AND GRID IN RESTROOM 101A.
- REINSTALL EXISTING SATC CEILING AND EXIT SIGN. EXTEND EXISTING SATC GRID AND TILE TO FILL NEW DOOR ALCOVE. MATCH EXISTING CORRIDOR TILE AND GRID. SEE REFLECTED CEILING PLAN.
- PATCH AND PAINT ALL NEW AND EXISTING EXPOSED CMU & GWB WALLS & GWB CEILINGS. MATCH EXISTING COLOR(S), AND NEW AND EXISTING HOLLOW METAL DOOR FRAMES. PROVIDE COMPATIBLE PRIMER IF REQUIRED BY THE MANUFACTURER AND FIELD CONDITIONS.
- NEW LIGHTING FIXTURES. SEE REFLECTED CEILING PLAN AND ELECTRICAL.
- NEW EXHAUST FAN. SEE REFLECTED CEILING PLAN AND MECHANICAL.
- PROVIDE FLOOR TILE ON SCHLUTER DITRA ON EXISTING CONCRETE SLAB ON GRADE. PROVIDE NEW MARBLE THRESHOLDS - SEE SHEET A400 FOR ENLARGED RESTROOM PLAN. SEE SHEET A100 FOR ADA ACCESSIBILITY DETAILS. BOND SCHLUTER KERDI WATERPROOFING MEMBRANE AT WALLS TO SCHLUTER DITRA FOR WATERTIGHT FLOOR-WALL TRANSITION.
- NEW WALL-MOUNTED LAVATORY - SEE SHEET A400 FOR ENLARGED RESTROOM PLAN. SEE SHEET A100 FOR ADA ACCESSIBILITY DETAILS.
- NEW RESTROOM ACCESSORIES (TOILET PAPER HOLDER, GRAB BARS, SHOWER SEAT, ETC.) - SEE SHEET A400 FOR ENLARGED RESTROOM PLAN
- PROVIDE 55-1/8" SCHLUTER KERDI-LINE LINEAR DRAIN (TRENCH DRAIN) TO BE INSTALLED CENTERED ON SHOWER THRESHOLD. SEE PLUMBING DRAWINGS.
- BACKFILL TRENCH AT SANITARY SEWER PIPE REPLACEMENT. PROVIDE CRUSHER RUN BEDDING AND 6" OF CRUSHER RUN BACKFILL OVER NEW PIPE. INSTALL BEDDING TO PRESERVE PROPER SLOPE WITHOUT BELLIES IN PIPE. CHECK SLOPE OF NEW PIPE WITH THE SAPM PRESENT PRIOR TO BACKFILLING. BACKFILL REMAINDER OF TRENCH WITH CLEAN SOIL FROM EXCAVATION. HAND TAMP IN 6" LIFTS, TAKING CARE NOT TO DAMAGE PIPE AND FITTINGS. ROCK OR CONCRETE GREATER THAN 3/4" DIA. SHALL NOT BE USED AS BACKFILL. LEGALLY DISPOSE OF ANY EXCESS SPOILS AND CONCRETE OFFSITE. PROVIDE 4" OF #57 STONE UNDER NEW SIDEWALK CONCRETE. SEE "CONCRETE SLAB DEMOLITION AND NEW WORK NOTE..." ON SHEET A400 FOR DETAILS REGARDING DEMO AND NEW WORK FOR UNDER-SLAB AND UNDER-SIDEWALK PLUMBING.



**NEW WORK FLOOR PLAN - ROOMS 101 & 103**  
 1/2" = 1'-0"



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**NEW WORK PLAN AND NOTES**  
**ROOMS 101, 101A & 103**  
 SPECIAL PURPOSE HOUSING UNIT 67G FIRST FLOOR RENOVATIONS  
 BLACKSBURG, VA

**95% UBO SUBMITTAL**



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**NEW WORK PLAN AND NOTES**  
**ROOMS 105, 105A & 107**

SPECIAL PURPOSE HOUSING UNIT 67G FIRST FLOOR RENOVATIONS  
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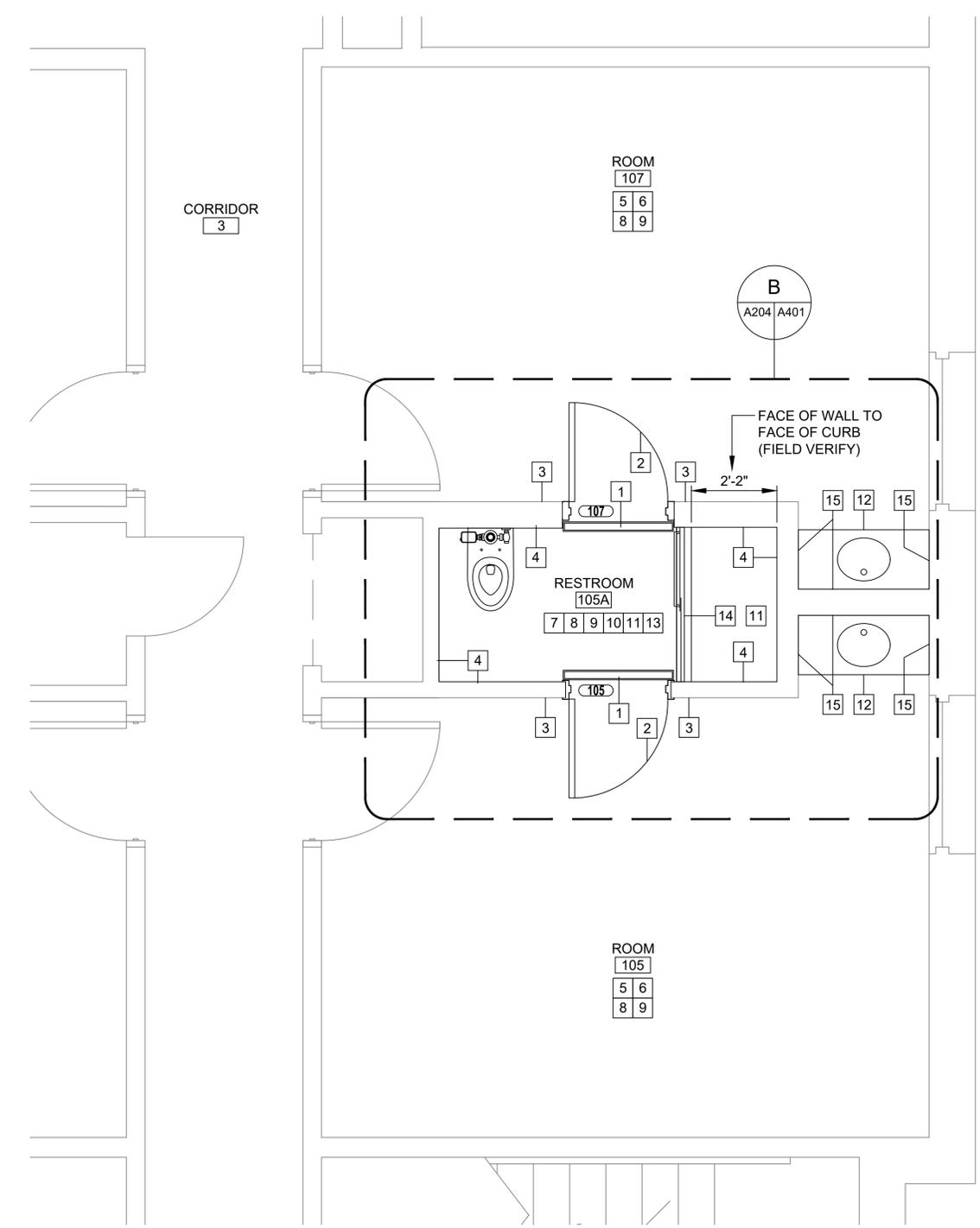
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**A204**



**NEW WORK PLAN KEY NOTES**

- 1 PROVIDE 31-1/2" SCHLUTER KERDI-LINE LINEAR DRAIN (TRENCH DRAIN) TO BE INSTALLED CENTERED ON DOOR. SEE PLUMBING DRAWINGS.
- 2 PROVIDE NEW 2'-6" X 6'-8" WOOD DOOR, HOLLOW METAL DOOR FRAME, AND HARDWARE. SEE DOOR AND FRAME SCHEDULE ON SHEET A500.
- 3 PROVIDE METAL FRAMING AND GWB AS REQUIRED TO REMOVE AND REINSTALL/PATCH WALL AFTER PLUMBING INSTALLATION. FIELD VERIFY METAL STUD AND GWB THICKNESS. EXTEND GWB & CEMENT BOARD TO WITHIN 1/2" OF BOTTOM OF JOISTS. FINISH GWB TO EXISTING GWB CEILING IN RESIDENT ROOMS.
- 4 PROVIDE NEW CEMENT BOARD WITH SCHLUTER KERDI WATERPROOFING MEMBRANE AND WALL TILE. INSTALL ON EXISTING METAL STUDS. EXTEND CEMENT BOARD TO WITHIN 1/2" OF BOTTOM OF JOISTS. EXTEND KERDI MEMBRANE AND WALL TILE TO RESTROOM CEILING.
- 5 PROVIDE NEW LVT OVER EXISTING CONCRETE FLOOR SLAB. PREPARE THE CONCRETE FLOOR SLAB AS RECOMMENDED BY THE LVT MANUFACTURER. PROVIDE UNDERSLUNG RUBBER TRANSITION AT EXISTING CARPET IN CORRIDOR. LOCATE TRANSITION UNDER DOOR.
- 6 PROVIDE NEW 4" RUBBER COVE BASE ON ALL NEW AND EXISTING WALLS AND CASEWORK.
- 7 PROVIDE NEW 2'X2' SUSPENDED ACOUSTICAL TILE CEILING AND GRID IN RESTROOM 105A.
- 8 PATCH AND PAINT ALL NEW AND EXISTING EXPOSED CMU & GWB WALLS & CEILINGS, AND NEW AND EXISTING HOLLOW METAL DOOR FRAMES. MATCH EXISTING COLOR(S). PROVIDE COMPATIBLE PRIMER IF REQUIRED BY THE MANUFACTURER AND FIELD CONDITIONS.
- 9 NEW LIGHTING FIXTURES. SEE REFLECTED CEILING PLAN AND ELECTRICAL.
- 10 NEW EXHAUST FAN. SEE REFLECTED CEILING PLAN AND MECHANICAL.
- 11 PROVIDE FLOOR TILE ON SCHLUTER DITRA ON EXISTING CONCRETE SLAB ON GRADE. PROVIDE NEW MARBLE THRESHOLDS - SEE SHEET A401 FOR ENLARGED RESTROOM PLAN. SEE SHEET A100 FOR ADA ACCESSIBILITY DETAILS. BOND SCHLUTER KERDI WATERPROOFING MEMBRANE AT WALLS TO SCHLUTER DITRA FOR WATERTIGHT FLOOR-WALL TRANSITION. PROVIDE SCHLUTER KERDI SC PRE-FORMED SHOWER CURB (4 1/2"x6"). BOND THE SHOWER CURB TO THE DITRA FLOOR MEMBRANE WITH KERDI MEMBRANE. FLOOR TILE SHALL EXTEND UP AND OVER CURB.
- 12 NEW BASE CABINETS, COUNTERTOP, BACKSPLASH, SINK, AND FAUCET SHALL BE PROVIDED BY VA TECH STUDENT AFFAIRS FACILITIES AND OPERATIONS - RENOVATIONS (DELIVERED TO THE SITE) AND INSTALLED BY CONTRACTOR. COUNTERTOPS AND SINKS WILL BE LOOSE. COUNTERTOPS WILL COME WITH SINK OPENINGS ALREADY CUT. THE CONTRACTOR SHALL SUPPLY ALL MATERIALS AND LABOR FOR FINAL INSTALLATION OF CASEWORK, COUNTERTOP, BACKSPLASHES, SINK, AND ALL ASSOCIATED PLUMBING.
- 13 NEW RESTROOM ACCESSORIES (TOILET PAPER HOLDER, GRAB BARS, SHOWER SEAT, ETC.) - SEE SHEET A401 FOR ENLARGED RESTROOM PLAN.
- 14 NEW SLIDING SHOWER DOOR INSTALLED ON TOP OF CURB. FIELD VERIFY THAT FULLY INSTALLED CURB LOCATION WILL NOT INTERFERE WITH NEW LINEAR DRAINS, DOOR FRAME, ETC. NOTE THAT SHOWER DOOR TRACK SHALL BE INSTALLED FLUSH WITH OUTSIDE FACE OF CURB TO MAXIMIZE WIDTH OF SHOWER.
- 15 PATCH EXISTING GWB AND METAL STUD WALLS AS REQUIRED TO REPAIR DAMAGE FROM DEMOLITION. PROVIDE LEVEL 4 FINISH AT THESE WALLS.

**NEW WORK FLOOR PLAN - ROOMS 105 & 107**

1/2" = 1'-0"





**NEW WORK PLAN AND NOTES**  
**ROOMS 106, 106A & 108**

SPECIAL PURPOSE HOUSING UNIT 67G FIRST FLOOR RENOVATIONS  
 BLACKSBURG, VA

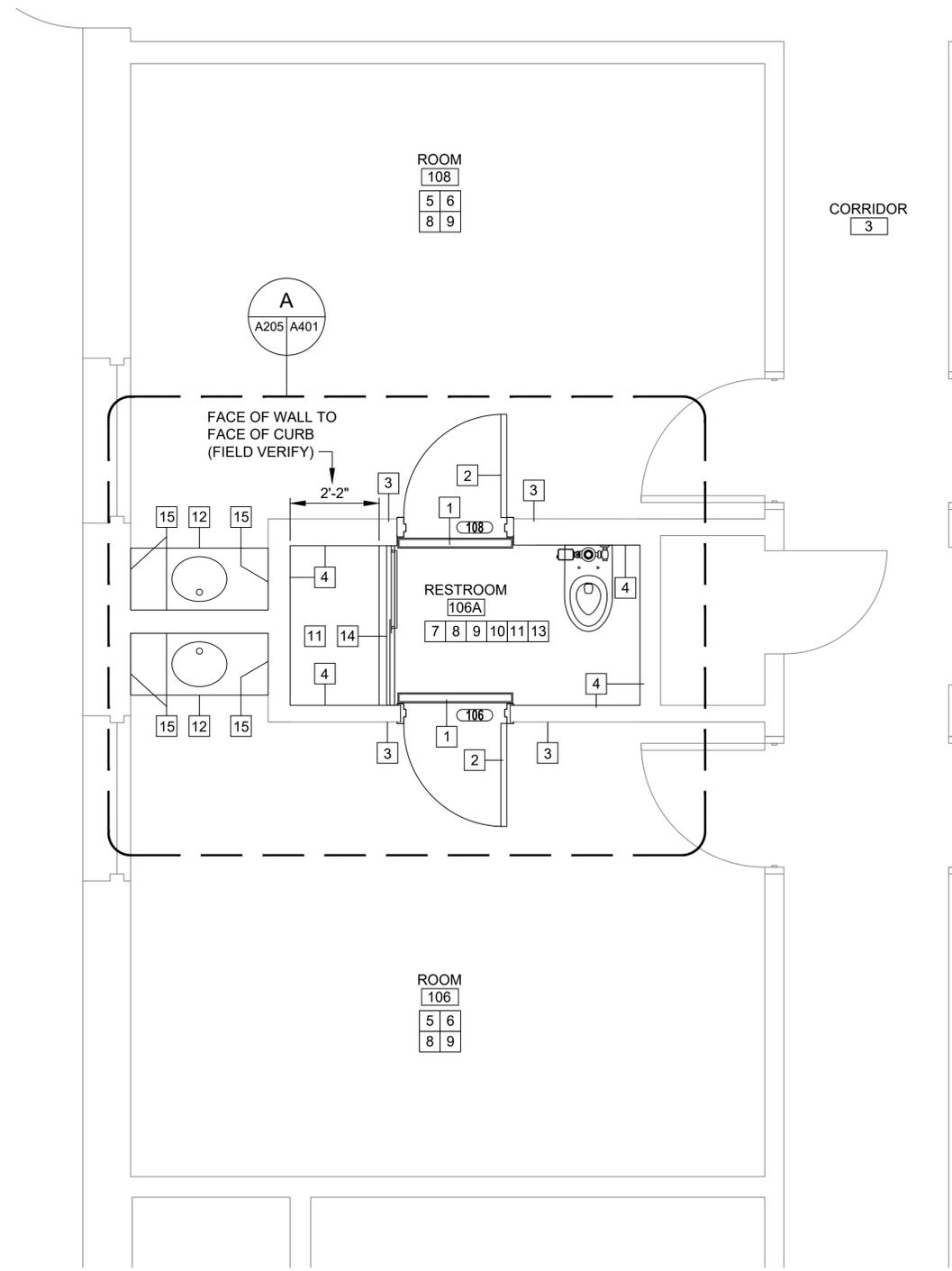
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**A205**



**NEW WORK PLAN KEY NOTES**

- 1 PROVIDE 31-1/2" SCHLUTER KERDI-LINE LINEAR DRAIN (TRENCH DRAIN) TO BE INSTALLED CENTERED ON DOOR. SEE PLUMBING DRAWINGS.
- 2 PROVIDE NEW 2'-6" X 6'-8" WOOD DOOR, HOLLOW METAL DOOR FRAME, AND HARDWARE. SEE DOOR AND FRAME SCHEDULE ON SHEET A500.
- 3 PROVIDE METAL FRAMING AND GWB AS REQUIRED TO REMOVE AND REINSTALL/PATCH WALL AFTER PLUMBING INSTALLATION. FIELD VERIFY METAL STUD AND GWB THICKNESS. EXTEND GWB & CEMENT BOARD TO WITHIN 1/2" OF BOTTOM OF JOISTS. FINISH GWB TO EXISTING GWB CEILING IN RESIDENT ROOMS.
- 4 PROVIDE NEW CEMENT BOARD WITH SCHLUTER KERDI WATERPROOFING MEMBRANE AND WALL TILE. INSTALL ON EXISTING METAL STUDS. EXTEND CEMENT BOARD TO WITHIN 1/2" OF BOTTOM OF JOISTS. EXTEND KERDI MEMBRANE AND WALL TILE TO RESTROOM CEILING.
- 5 PROVIDE NEW LVT OVER EXISTING CONCRETE FLOOR SLAB. PREPARE THE CONCRETE FLOOR SLAB AS RECOMMENDED BY THE LVT MANUFACTURER. PROVIDE UNDERSLUNG RUBBER TRANSITION AT EXISTING CARPET IN CORRIDOR. LOCATE TRANSITION UNDER DOOR.
- 6 PROVIDE NEW 4" RUBBER COVE BASE ON ALL NEW AND EXISTING WALLS AND CASEWORK.
- 7 PROVIDE NEW 2'X2' SUSPENDED ACOUSTICAL TILE CEILING AND GRID IN RESTROOM 106A.
- 8 PATCH AND PAINT ALL NEW AND EXISTING EXPOSED CMU & GWB WALLS & GWB CEILINGS, AND NEW AND EXISTING HOLLOW METAL DOOR FRAMES. MATCH EXISTING COLOR(S). PROVIDE COMPATIBLE PRIMER IF REQUIRED BY THE MANUFACTURER AND FIELD CONDITIONS.
- 9 NEW LIGHTING FIXTURES. SEE REFLECTED CEILING PLAN AND ELECTRICAL.
- 10 NEW EXHAUST FAN. SEE REFLECTED CEILING PLAN AND MECHANICAL.
- 11 PROVIDE FLOOR TILE ON SCHLUTER DITRA ON EXISTING CONCRETE SLAB ON GRADE. PROVIDE NEW MARBLE THRESHOLDS - SEE SHEET A401 FOR ENLARGED RESTROOM PLAN. SEE SHEET A100 FOR ADA ACCESSIBILITY DETAILS. BOND SCHLUTER KERDI WATERPROOFING MEMBRANE AT WALLS TO SCHLUTER DITRA FOR WATERTIGHT FLOOR-WALL TRANSITION. PROVIDE SCHLUTER KERDI SC PRE-FORMED SHOWER CURB (4 1/2"x6"). BOND THE SHOWER CURB TO THE DITRA FLOOR MEMBRANE WITH KERDI MEMBRANE. FLOOR TILE SHALL EXTEND UP AND OVER CURB.
- 12 NEW BASE CABINETS, COUNTERTOP, BACKSPLASH, SINK, AND FAUCET SHALL BE PROVIDED BY VA TECH STUDENT AFFAIRS FACILITIES AND OPERATIONS - RENOVATIONS (DELIVERED TO THE SITE) AND INSTALLED BY CONTRACTOR. COUNTERTOPS AND SINKS WILL BE LOOSE. COUNTERTOPS WILL COME WITH SINK OPENINGS ALREADY CUT. THE CONTRACTOR SHALL SUPPLY ALL MATERIALS AND LABOR FOR FINAL INSTALLATION OF CASEWORK, COUNTERTOP, BACKSPLASHES, SINK, AND ALL ASSOCIATED PLUMBING.
- 13 NEW RESTROOM ACCESSORIES (TOILET PAPER HOLDER, GRAB BARS, SHOWER SEAT, ETC.) - SEE SHEET A401 FOR ENLARGED RESTROOM PLAN.
- 14 NEW SLIDING SHOWER DOOR INSTALLED ON TOP OF CURB. FIELD VERIFY THAT FULLY INSTALLED CURB LOCATION WILL NOT INTERFERE WITH NEW LINEAR DRAINS, DOOR FRAME, ETC. NOTE THAT SHOWER DOOR TRACK SHALL BE INSTALLED FLUSH WITH OUTSIDE FACE OF CURB TO MAXIMIZE WIDTH OF SHOWER.
- 15 PATCH EXISTING GWB AND METAL STUD WALLS AS REQUIRED TO REPAIR DAMAGE FROM DEMOLITION. PROVIDE LEVEL 4 FINISH AT THESE WALLS.

**NEW WORK FLOOR PLAN - ROOMS 106 & 108**

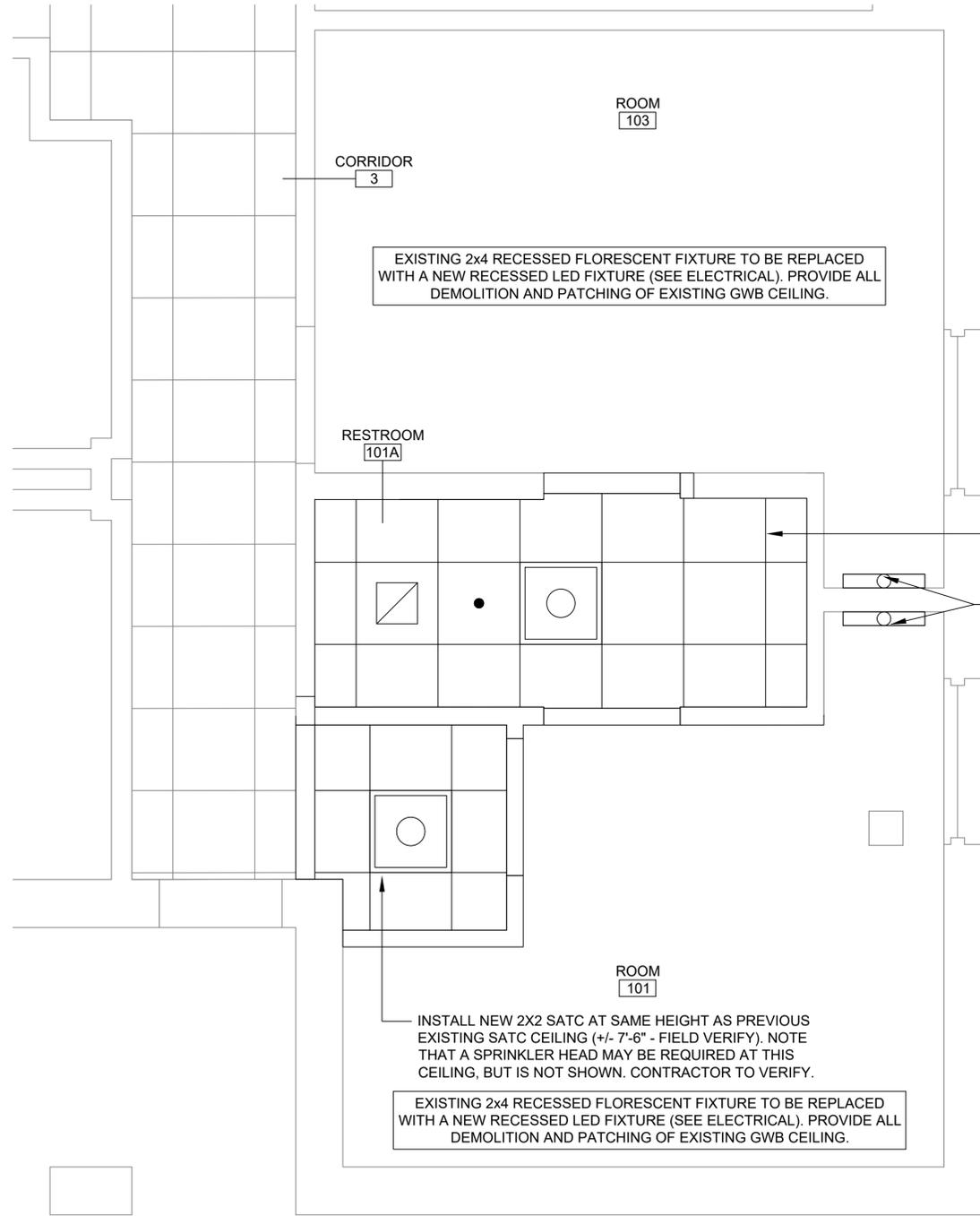
1/2" = 1'-0"



**REFLECTED CEILING PLAN NOTES**

1. INSTALL SATC PER SPECIFICATIONS AND MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS. SEAL WALL ANGLE TO WALL WITH POLYURETHANE SEALANT. SALVAGE AND REINSTALL CEILING-MOUNTED DEVICES TO REMAIN IN ORIGINAL LOCATIONS. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
2. ALL NEW CEILINGS SHALL BE INSTALLED AT APPROXIMATELY THE SAME HEIGHT AS THE ORIGINAL CEILING IN THE SPACE. CEILING HEIGHTS VARY FROM APPROXIMATELY 7'-1" TO APPROXIMATELY 7'-8".
3. MODIFY SPRINKLER HEAD LOCATIONS IN ALL RESTROOMS TO LOCATE HEAD IN CENTER OF NEW CEILING TILES. NEW SPRINKLER HEAD LOCATION SHALL BE VERIFIED BY THE FIRE PROTECTION ENGINEER (PROCURED BY THE CONTRACTOR).

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**LEGEND**

|  |   |
|--|---|
|  | NEW EXHAUST FAN                             |
|  | NEW 2X2 LAY-IN LED LIGHT FIXTURE (SEE ELEC) |
|  | NEW SURFACE MOUNTED FIXTURE                 |
|  | NEW SPRINKLER HEAD LOCATION                 |

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**REFLECTED CEILING PLAN  
ROOMS 101, 101A & 103**

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BLACKSBURG, VA

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**A300**

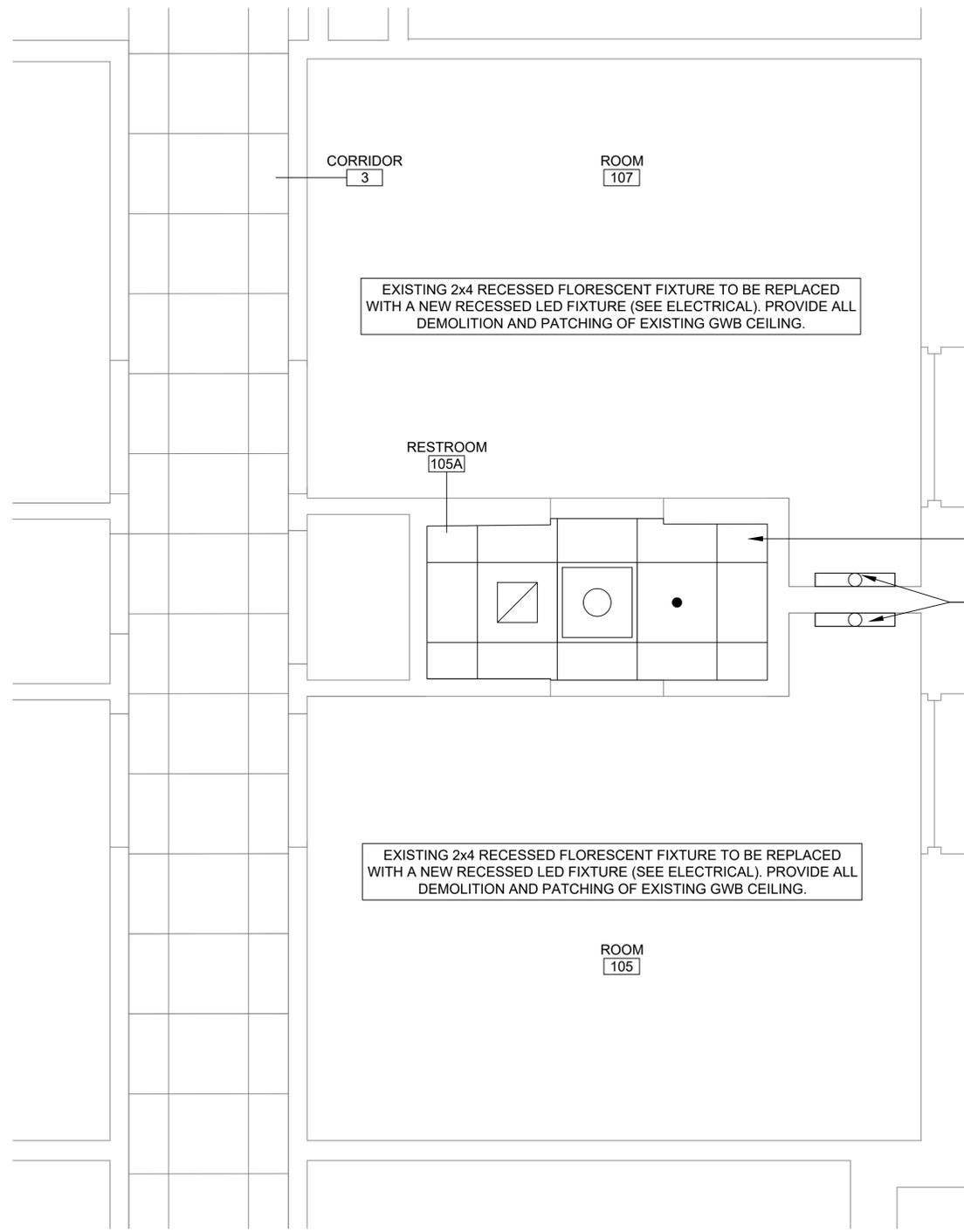
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REFLECTED CEILING PLAN - ROOMS 101, 101A & 103  
1/2" = 1'-0"

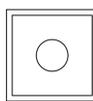


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**LEGEND**

-  NEW EXHAUST FAN
-  NEW 2X2 LAY-IN LED LIGHT FIXTURE (SEE ELEC)
-  NEW SURFACE MOUNTED FIXTURE
-  NEW SPRINKLER HEAD LOCATION

EXISTING 2x4 RECESSED FLORESCENT FIXTURE TO BE REPLACED WITH A NEW RECESSED LED FIXTURE (SEE ELECTRICAL). PROVIDE ALL DEMOLITION AND PATCHING OF EXISTING GWB CEILING.

EXISTING 2x4 RECESSED FLORESCENT FIXTURE TO BE REPLACED WITH A NEW RECESSED LED FIXTURE (SEE ELECTRICAL). PROVIDE ALL DEMOLITION AND PATCHING OF EXISTING GWB CEILING.

INSTALL NEW 2X2 SATC AT SAME HEIGHT AS PREVIOUS GWB CEILING. INSTALL NEW MECHANICAL AND ELECTRICAL FIXTURES.

NEW SURFACE MOUNTED LIGHT

**REFLECTED CEILING PLAN  
 ROOMS 105, 105A & 107**

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REFLECTED CEILING PLAN - ROOMS 105, 105A & 107  
 1/2" = 1'-0"



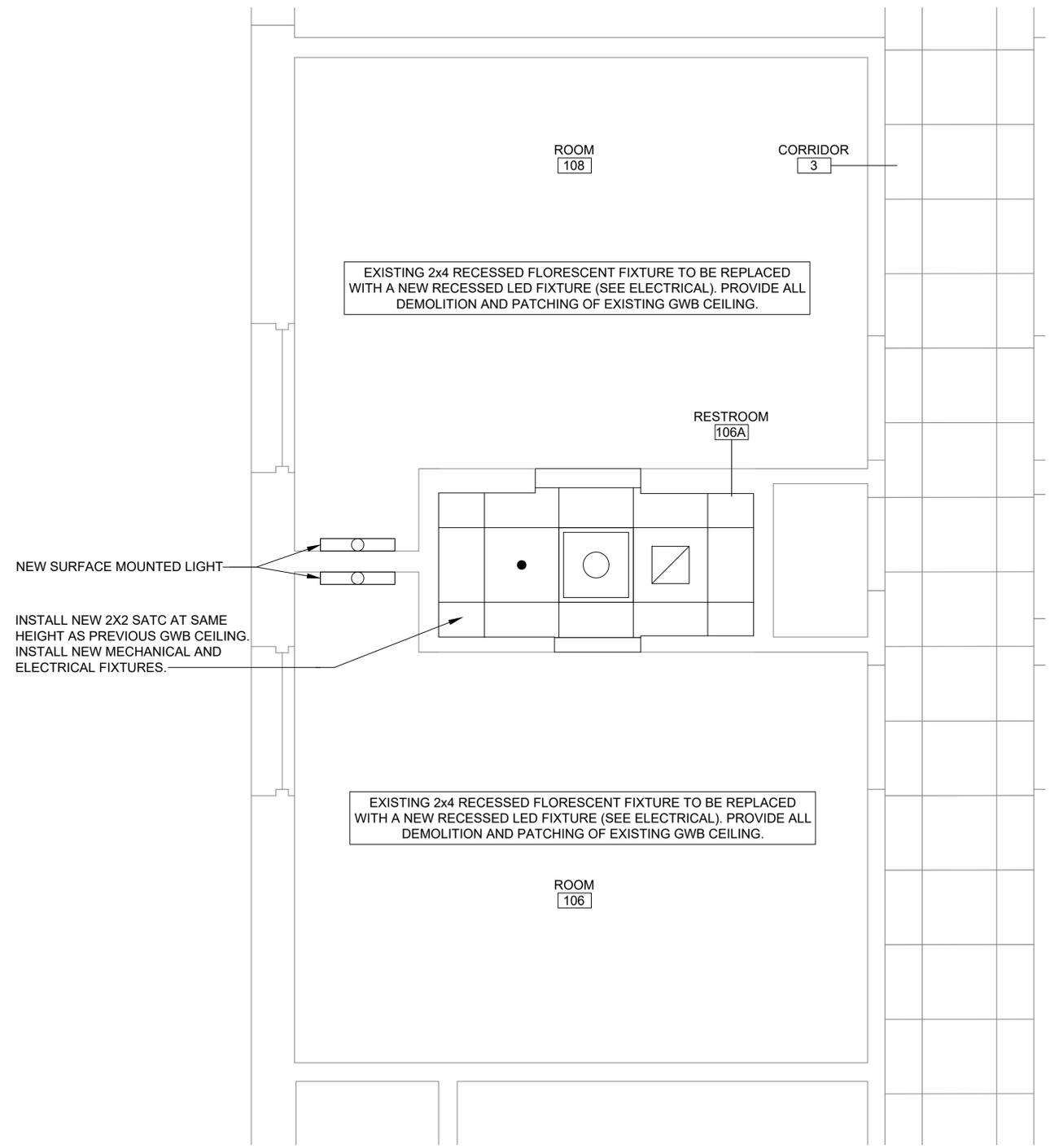
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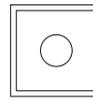
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**REFLECTED CEILING PLAN**  
**ROOMS 106, 106A & 108**

SPECIAL PURPOSE HOUSING UNIT 67G FIRST FLOOR RENOVATIONS  
 BLACKSBURG, VA



**LEGEND**

-  NEW EXHAUST FAN
-  NEW 2X2 LAY-IN LED LIGHT FIXTURE (SEE ELEC)
-  NEW SURFACE MOUNTED FIXTURE
-  NEW SPRINKLER HEAD LOCATION

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REFLECTED CEILING PLAN - ROOMS 106, 106A & 108  
 1/2" = 1'-0"



**A302**

**CONCRETE SLAB DEMOLITION AND NEW WORK AT NEW LINEAR DRAINS AND UNDER-SLAB PLUMBING:**  
 WHERE NEW LINEAR FLOOR DRAINS AND UNDER-SLAB / UNDER-SIDEWALK PLUMBING ARE INSTALLED, PROVIDE THE FOLLOWING:

**DEMOLITION:**

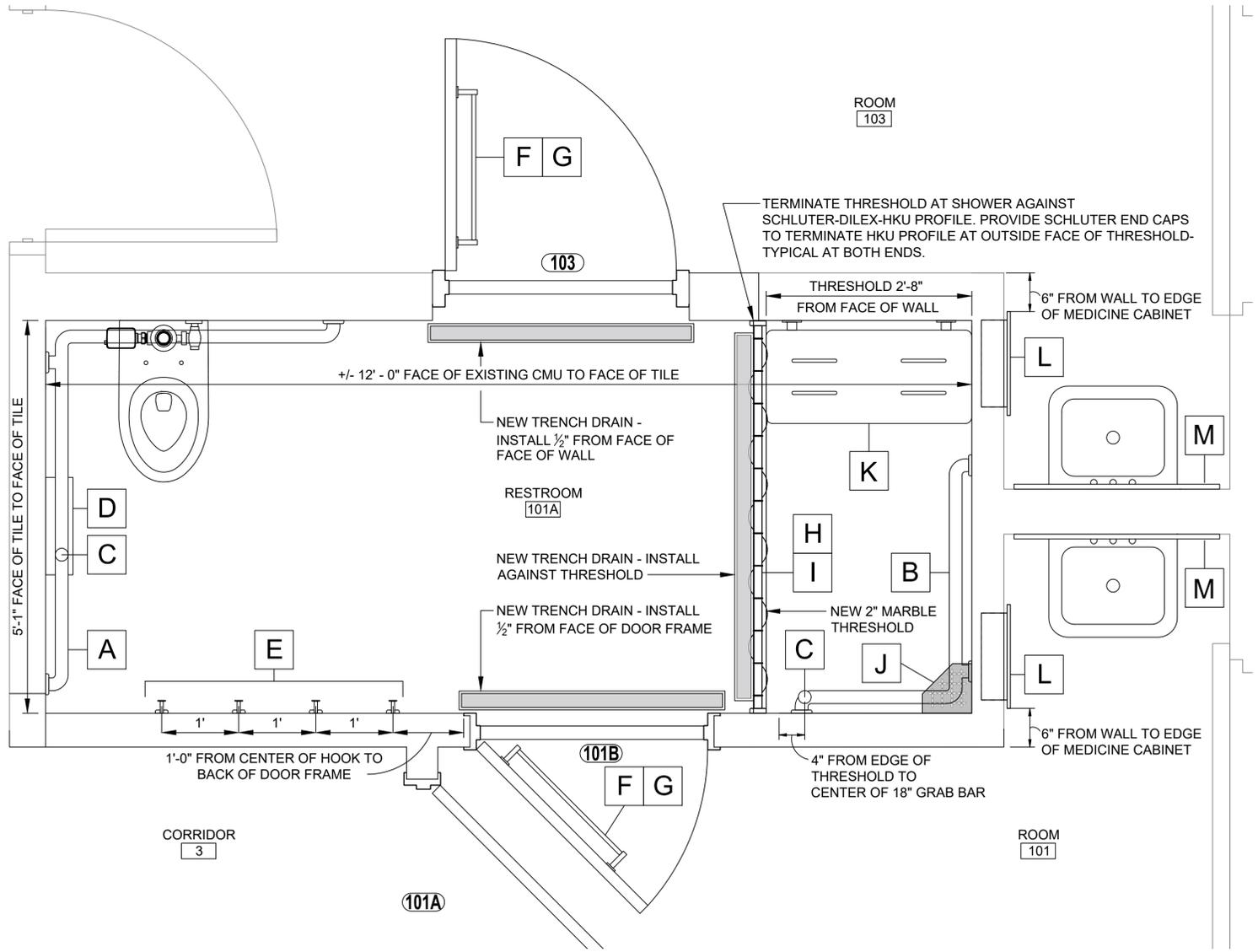
1. SAW CUT AND REMOVE EXISTING +/-4" CONCRETE SLAB ON GRADE TO CREATE A MINIMUM 10" WIDE TRENCH. INCREASE TRENCH WIDTH AS REQUIRED FOR ACCESS AND CONSTRUCTABILITY.
2. REMOVE GRAVEL FROM TRENCH AS REQUIRED TO OBTAIN 4" MINIMUM SLAB DEPTH ONCE LINEAR DRAIN BODY IS INSTALLED.
3. WHERE ACCESSING EXISTING BELOW-SLAB / BELOW-SIDEWALK PLUMBING, REMOVE SOIL AS NECESSARY TO ACCESS PIPE AND FITTINGS. DEPTH OF EXISTING PLUMBING IS UNKNOWN.

**NEW WORK:**

1. DRILL AND INSTALL 6" #4 DOWELS INTO SLAB EDGES AT 12" OC. PROVIDE 3" EMBED DEPTH. CLEAN HOLES AND EMBED AT MID-POINT OF SLAB DEPTH WITH HILTI HIT-RE 100 EPOXY.
2. AFTER PLUMBING ROUGH-IN HAS BEEN INSTALLED, INSTALL VAPOR BARRIER ON TOP OF STONE. VAPOR BARRIER SHALL BE EQUAL TO 15 MIL STEGO WRAP. ATTACH TO SLAB EDGES BELOW DOWELS WITH CONTINUOUS TAPE EQUAL TO STEGOTACK DOUBLE-SIDED TAPE. SEAL AROUND PIPE PENETRATION WITH STEGO TAPE. DO NOT INSTALL VAPOR BARRIER AT EXTERIOR SIDEWALK PATCH.
3. ONCE EPOXY HAS CURED POUR NEW CONCRETE TO FILL TRENCH. PROVIDE BLOCK-OUT AS REQUIRED TO INSTALL SCHLUTER LINEAR DRAINS. CONCRETE SHALL BE FIBER REINFORCED, 3,000 PSI (28 DAY), <3% AIR, WITH 4" SLUMP. TROWEL FINISH FLUSH WITH EXISTING ADJACENT SLAB SURFACES. AT SIDEWALK PATCH, PROVIDE 4,000 PSI (28 DAY) CONCRETE WITH 6% AIR. FINISH SIDEWALK FLUSH WITH EXISTING SIDEWALK SURFACES. PROVIDE A STIFF BROOM FINISH PERPENDICULAR TO THE LONG DIMENSION OF THE TRENCH. GREEN-CUT CONTROL JOINTS TO MATCH (JOIN) EXISTING CONCRETE CONTROL JOINTS

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**ENLARGED PLAN OF RESTROOM 101A**  
 SPECIAL PURPOSE HOUSING UNIT 67G FIRST FLOOR RENOVATIONS  
 BLACKSBURG, VA



| TOILET ACCESSORIES SCHEDULE - THIS SHEET ONLY |                              |                         |                     |   |
|---|------------------------------|-------------------------|---------------------|---|
| TAG   | DESCRIPTION                  | MANUFACTURER            | MODEL               | MOUNTING HEIGHT   |
| A   | "L" SHAPED GRAB BAR - TOILET | BOBRICK                 | B-6897              | 34" TO TOP  |
| B   | "L" SHAPED GRAB BAR - SHOWER | BOBRICK                 | B-6861              | 34" TO TOP  |
| C   | 18" VERTICAL GRAB BAR        | BOBRICK                 | B-6806X18           | 4" ABOVE TOP OF "L" GRAB BAR  |
| D   | TOILET PAPER DISPENSER       | ROYCE ROLLS RINGER CO.  | TP-3                | 28" TO TOP  |
| E   | ROBE HOOK                    | BOBRICK                 | B-6717              | 4 ROBE HOOKS:<br>(1) 46" TO CENTER OF HOOK<br>(3) 60" TO CENTER OF HOOK                                     |
| F   | TOWEL BAR ROD                | BEST VALUE - CENTURA    | E8500A-24           | 2 TOWEL BARS MOUNTED ON BATHROOM SIDE OF NEW DOORS:<br>(1) 34" TO CENTER OF ROD<br>(1) 60" TO CENTER OF ROD |
| G   | TOWEL BAR POSTS              | FRANKLIN BRASS - FUTURA | E1400P              | --  |
| H   | SHOWER ROD                   | BOBRICK                 | B-6047              | 72" TO CENTER OF ROD  |
| I   | SHOWER CURTAIN & HOOKS       | BOBRICK                 | 204-3 & 204-1 (12)  | --  |
| J   | SHOWER SHELVES               | SCHLUTER - SHELF-E      | SES2-D5-EB          | 2 SHELVES:<br>(1) 20" TO TOP OF SHELF<br>(1) 48" TO TOP OF SHELF  |
| K   | SHOWER SEAT                  | CSI BATHWARE            | 32X16-PHSLO         | 18" TO TOP OF SEAT  |
| L   | MEDICINE CABINET             | JENSEN - STYLELINE      | DIS401ADJX          | 36" TO BOTTOM   |
| M   | MIRROR                       | BOBRICK                 | B-165 3248 (CUSTOM) | 36" TO BOTTOM   |

- TOILET ACCESSORIES NOTES:**
1. PROVIDE FRTW BLOCKING, GROUDED CMU, ETC. AS REQUIRED TO PROVIDE SOLID ANCHORAGE OF ALL TOILET ACCESSORIES.
  2. SEE SHEET A101 FOR BATHROOM ADA ACCESSIBLE MOUNTING HEIGHTS AND CLEARANCES.
  3. ALL TOILET ACCESSORIES SHALL BE STAINLESS STEEL WITH BRUSHED FINISH.
  4. CENTER SHOWER CURTAIN ROD ON THRESHOLD BELOW.
  5. MOUNT TOWEL BARS 4" FROM HINGE-SIDE EDGE OF DOORS.

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**A ENLARGED PLAN - RESTROOM 101A**  
 1" = 1'-0" 

DATE: 02-11-2026  
 COMM No: 26-01  
 DRAWN BY: AJP  
 CHECKED BY:  
 STATE PROJECT No:

**ENLARGED PLANS OF  
 RESTROOMS 105A & 106A**

SPECIAL PURPOSE HOUSING UNIT 67G FIRST FLOOR RENOVATIONS  
 BLACKSBURG, VA

**95% UBO  
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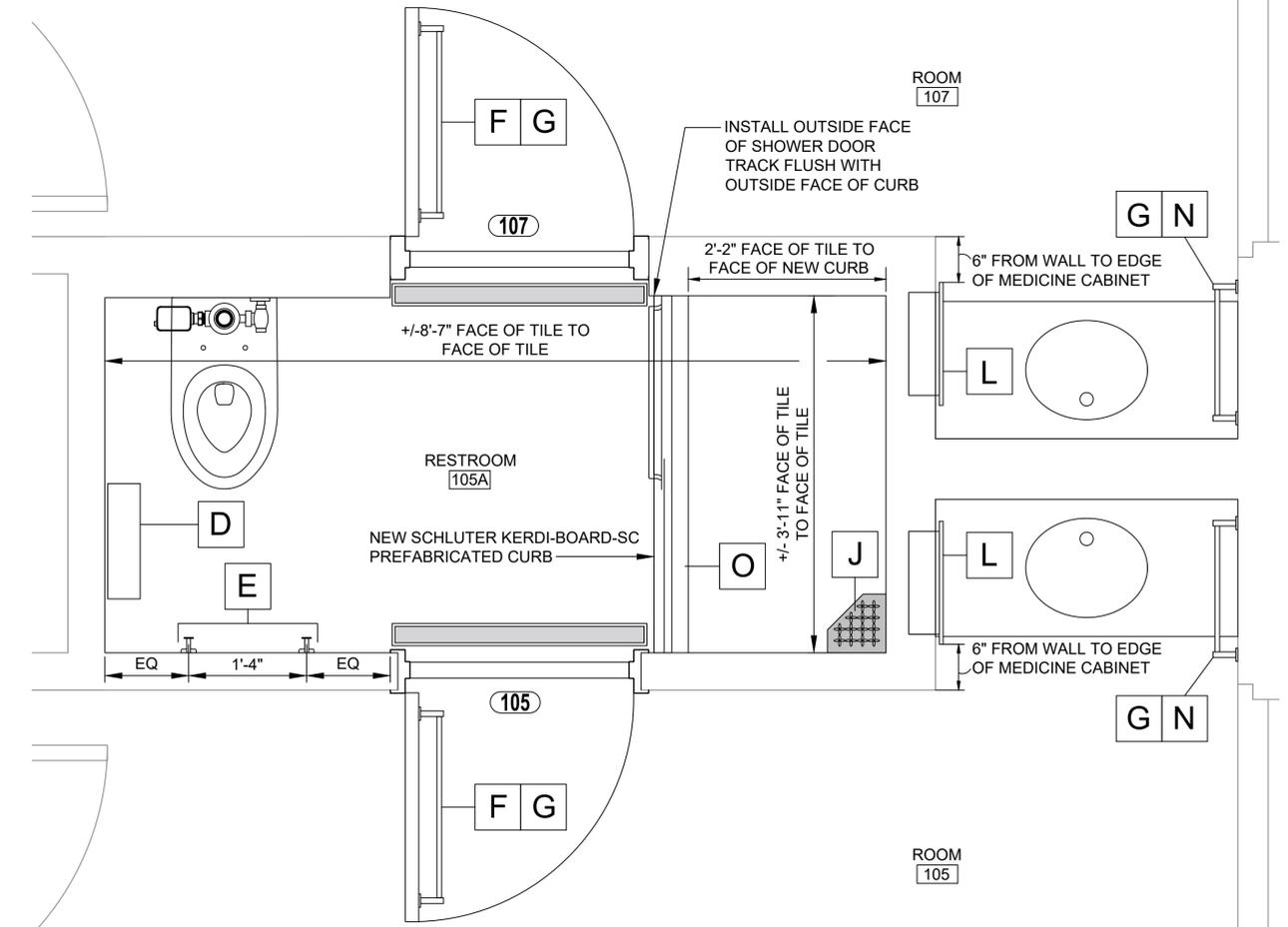
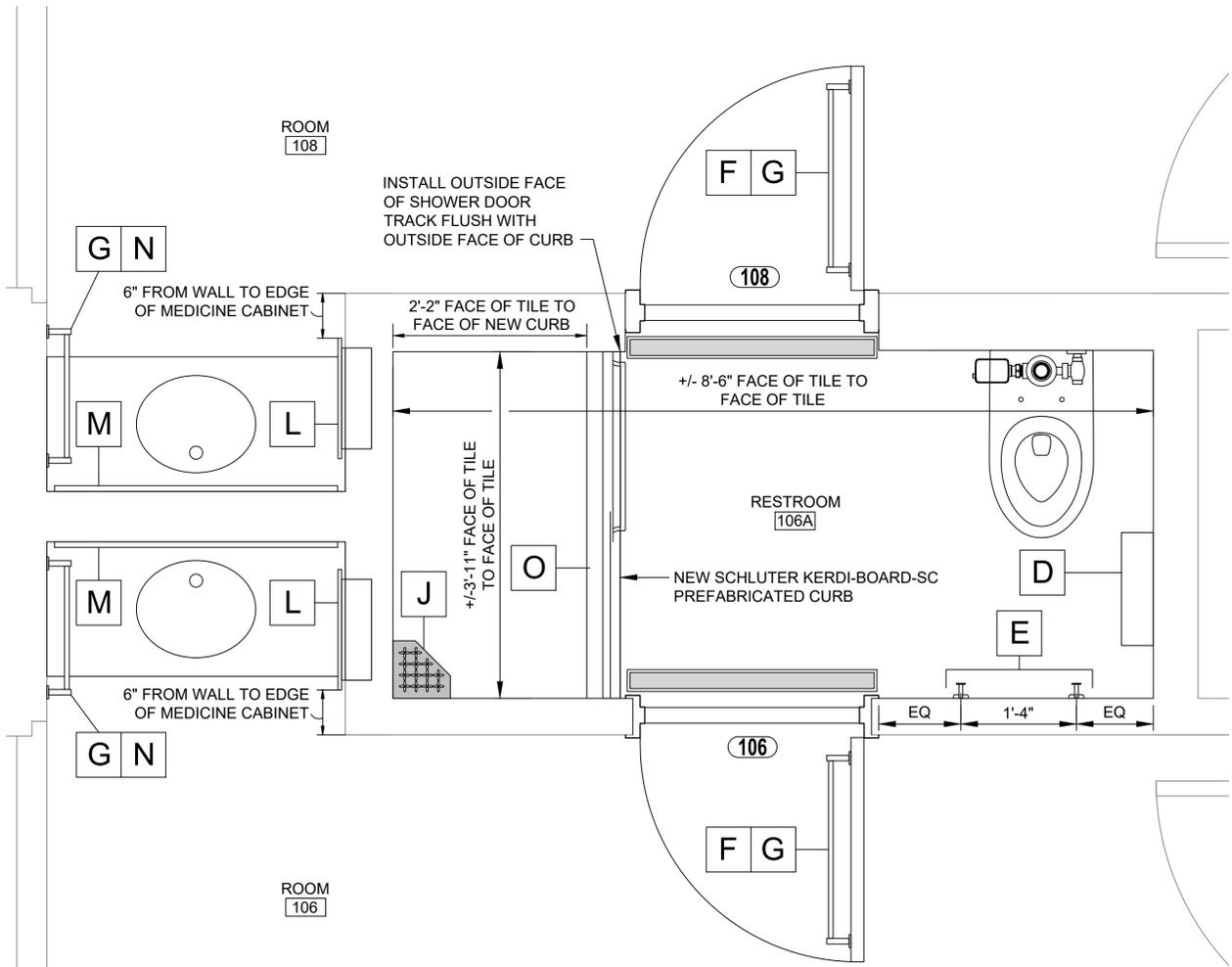
**A401**

SHEET 14 of 25

| TOILET ACCESSORIES SCHEDULE - THIS SHEET ONLY |                        |                         |                     |  |
|---|------------------------|-------------------------|---------------------|--|
| TAG   | DESCRIPTION            | MANUFACTURER            | MODEL               | MOUNTING HEIGHT  |
| D   | TOILET PAPER DISPENSER | ROYCE ROLLS RINGER CO.  | TP-3                | 28" TO TOP   |
| E   | ROBE HOOK              | BOBRICK                 | B-6717              | 2 ROBE HOOKS:<br>(2) 60" TO CENTER OF HOOK                                     |
| F   | TOWEL BAR ROD          | BEST VALUE - CENTURA    | E8500A-24           | 1 TOWEL BARS MOUNTED ON<br>BATHROOM SIDE OF NEW DOORS:<br>68" TO CENTER OF ROD |
| G   | TOWEL BAR POSTS        | FRANKLIN BRASS - FUTURA | E1400P              | --   |
| J   | SHOWER SHELVES         | SCHLUTER - SHELF-E      | SES2-D5-EB          | 2 SHELVES:<br>(1) 20" TO TOP OF SHELF<br>(1) 48" TO TOP OF SHELF               |
| L   | MEDICINE CABINET       | JENSEN - STYLELINE      | DIS401ADJX          | 60" TO BOTTOM  |
| M   | MIRROR                 | BOBRICK                 | B-165 3848 (CUSTOM) | 4" ABOVE COUNTERTOP  |
| N   | TOWEL BAR ROD          | BEST VALUE - CENTURA    | E8500A-18           | 24" ABOVE COUNTERTOP   |
| O   | SLIDING SHOWER DOOR    | STERLING Deluxe         | 572116-G05          | ON TOP OF CURB   |

- TOILET ACCESSORIES NOTES:**
1. PROVIDE FRTW BLOCKING, GROUTED CMU, ETC. AS REQUIRED TO PROVIDE SOLID ANCHORAGE OF ALL TOILET ACCESSORIES.
  2. SEE SHEET A101 FOR BATHROOM ADA ACCESSIBLE MOUNTING HEIGHTS AND CLEARANCES.
  3. ALL TOILET ACCESSORIES SHALL BE STAINLESS STEEL WITH BRUSHED FINISH.
  4. CENTER TOWEL BARS ON DOORS.

UBO APPROVAL



**(A) ENLARGED PLAN - RESTROOM 106A**  
 1/2" = 1'-0" 1" = 1'-0"

**(B) ENLARGED PLAN - RESTROOM 105A**  
 1/2" = 1'-0" 1" = 1'-0"

| DOOR AND FRAME SCHEDULE |          |      |       |         |       |       |        |       |              |        |                         |
|-------------------------|----------|------|-------|---------|-------|-------|--------|-------|--------------|--------|-------------------------|
| No.                     | DOOR     |      |       |         |       |       |        | FRAME |              |        | NOTES                   |
|                         | MATERIAL | TYPE | CORE  | FINISH  | SIZE  |       |        | TYPE  | MATERIAL     | FINISH |                         |
|                         |          |      |       |         | W     | H     | THK    |       |              |        |                         |
| FIRST FLOOR             |          |      |       |         |       |       |        |       |              |        |                         |
| 101A                    | WOOD     | I    | SOLID | STAINED | 3'-0" | 6'-8" | 1 3/4" | F-1   | HOLLOW METAL | PAINT  | HARDWARE SET #1; NOTE 4 |
| 101B                    | WOOD     | I    | SOLID | STAINED | 3'-0" | 6'-8" | 1 3/4" | F-1   | HOLLOW METAL | PAINT  | HARDWARE SET #2; NOTE 5 |
| 103                     | WOOD     | I    | SOLID | STAINED | 3'-0" | 6'-8" | 1 3/4" | F-1   | HOLLOW METAL | PAINT  | HARDWARE SET #2; NOTE 5 |
| 105                     | WOOD     | I    | SOLID | STAINED | 2'-6" | 6'-8" | 1 3/4" | F-1   | HOLLOW METAL | PAINT  | HARDWARE SET #2; NOTE 5 |
| 106                     | WOOD     | I    | SOLID | STAINED | 2'-6" | 6'-8" | 1 3/4" | F-1   | HOLLOW METAL | PAINT  | HARDWARE SET #2; NOTE 5 |
| 107                     | WOOD     | I    | SOLID | STAINED | 2'-6" | 6'-8" | 1 3/4" | F-1   | HOLLOW METAL | PAINT  | HARDWARE SET #2; NOTE 5 |
| 108                     | WOOD     | I    | SOLID | STAINED | 2'-6" | 6'-8" | 1 3/4" | F-1   | HOLLOW METAL | PAINT  | HARDWARE SET #2; NOTE 5 |

**DOOR, FRAME, AND DOOR HARDWARE NOTES:**

- ALL HOLLOW METAL DOOR FRAMES SHALL BE 5-3/4" DEEP. SEE PLANS FOR LOCATION OF FRAMES WHERE WALL DEPTH IS GREATER THAN FRAME DEPTH.
- PROVIDE FRAME MANUFACTURER'S STANDARD CORROSION RESISTANT BACK COATING IN THE THROATS OF ALL HOLLOW METAL FRAMES. BACK COATING SHALL BE IN ADDITION TO THE STANDARD PRIMER COAT.
- PROVIDE THE FOLLOWING HARDWARE SETS TO DOOR AS SPECIFIED IN DOOR SCHEDULE. SEE DOOR HARDWARE SPECIFICATIONS:

**HARDWARE SET #1:**

- 3 HINGES
- CLOSER
- PREP DOOR FOR AN AD400 WIRELESS MORTISE LOCK. UNIVERSITY STUDENT AFFAIRS FACILITIES AND OPERATIONS LOCK SHOP WILL INSTALL SALVAGED CARD READER DOOR HARDWARE ON NEW DOOR.

**HARDWARE SET #2:**

- 3 HINGES
- LEVER HANDLE MORTISE LATCHSET WITH ADA COMPLIANT DEADBOLT & OCCUPANCY INDICATOR (DEADBOLT AND LATCH SHALL DISENGAGE WITH ONE OPERATION)
- KICKPLATE AT PUSH (RESTROOM) SIDE

- COORDINATE WITH ELECTRONIC ACCESS CONTROL FURNISHED AND INSTALLED BY THE UNIVERSITY. COORDINATE WITH THE SAPM.
- SHIM FRAME +/-3/16" OFF TOP OF TILE AND SEAL BOTTOM OF FRAME TO TOP OF TILE AND LVT. ENSURE MARBLE THRESHOLDS, TILE, AND LVT EXTEND UNDER FRAMES FAR ENOUGH TO RECEIVE SEALANT (1/2" MIN).
- THERE ARE NO NEW FIRE-RATED DOORS OR FRAMES ON THIS PROJECT.

NOTE THAT ALL DOOR HARDWARE SHALL COMPLY WITH BHMA, DHI, AND ALL APPLICABLE CODES AND STATUTES. ALL HARDWARE SHALL BE ADAAG/ADA COMPLIANT. ALL HARDWARE SHALL BE 630 STAINLESS STEEL. COORDINATE PREPARATION OF DOORS AND FRAMES WITH THE DOOR HARDWARE. COORDINATE DOOR AND FRAME PREP FOR HOKIE PASSPORT ELECTRONIC ACCESS CONTROL WITH THE STUDENT AFFAIRS PROJECT MANAGER (SAPM) AND PROVIDE ALL PREPARATION NECESSARY TO ACCOMMODATE INSTALLATION. PROVIDE A DOOR, FRAME, AND DOOR HARDWARE SUBMITTAL FOR REVIEW. THE SAPM SHALL CONFIRM ALL LOCK FUNCTIONS PRIOR TO ORDERING. THE CONTRACTOR SHALL ADJUST ALL NEW DOORS AND DOOR HARDWARE FOR PROPER OPERATION.

**DOOR HARDWARE SPECIFICATIONS:**

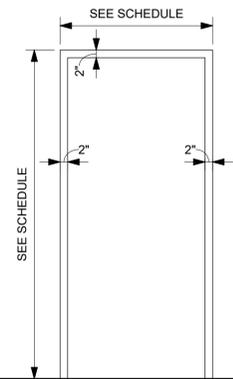
- HINGES: EQUAL TO STANLEY CB SERIES 5 KNUCKLE, 4 1/2"x4 1/2" MORTISED.
- CLOSERS: EQUAL TO LCN 4040XP-HCUSH. PROVIDE ALUMINUM FINISH ON COVER.
- LATCHSET: BEST 9K SERIES, GRADE 1 (ANSI A156.2), MUST ACCEPT UNIVERSITY-PROVIDED 7-PIN INTERCHANGEABLE CORE. COORDINATE LOCK FUNCTIONS WITH THE SAPM.
- KICKPLATE: 10" HIGH ROCKWOOD K1050

**HOLLOW METAL (HM) DOOR FRAME SPECIFICATION:**

STEEL DOOR FRAMES SHALL CONFORM WITH ANSI/SDI-100, UL 10C, UBC 7-2, AND NFPA 80. PROVIDE FULLY-WELDED SHOP PRIMED FRAMES CONSTRUCTED OF 16 GAGE COLD ROLLED GALVANIZED STEEL. PROVIDE GALVANIZED STEEL ANCHORAGE DEVICES MATCHING WALL CONDITIONS. NO KD FRAMES ARE ALLOWED. PROVIDE SILENCERS FOR ALL DOOR FRAMES IN COLOR COMPATIBLE WITH FRAME PAINT COLOR.

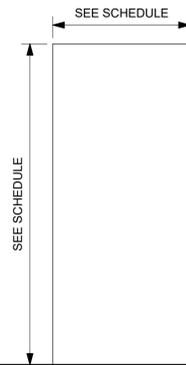
**FLUSH WOOD DOOR SPECIFICATION**

PROVIDE WOOD DOORS CONFORMING TO NWDDA QUALITY STANDARD I.S.1-A, UL 10C, UBC 7-2 CATEGORY A, AND NFPA 80. DOORS SHALL BE 5 PLY CONSTRUCTION WITH A PARTICLEBOARD CORE COMPLYING WITH ANSI A208.1 OR SIMILAR TESTING. DOORS SHALL BE PLASTIC LAMINATE COVERED WITH 3mm PVC EDGE BANDING AT ALL EDGES. PLASTIC LAMINATE COLOR SHALL BE SELECTED FROM ALL AVAILABLE WILSONART WOOD GRAIN PATTERNS AND COLORS BY THE SAPM. THE DOOR SUPPLIER SHALL PREPARE DOORS FOR INSTALLATION OF DOOR HARDWARE. COORDINATE DOOR HARDWARE PREP WITH DOOR HARDWARE. PROVIDE MANUFACTURER'S STANDARD LIFETIME WARRANTY. SEAL ALL PARTICLEBOARD EXPOSED BY DOOR PREP (MORTISES, BORES, ETC.).



F-1

HOLLOW METAL FRAME TYPES



I

DOOR TYPES

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| COMM No.:          | 26-01      |
| DRAWN BY:          | AJP        |
| CHECKED BY:        |            |
| STATE PROJECT No.: |            |

**DOOR AND FRAME ELEVATIONS AND SCHEUDLES**

SPECIAL PURPOSE HOUSING UNIT 67G FIRST FLOOR RENOVATIONS  
BLACKSBURG, VA

**95% UBO SUBMITTAL**



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**A500**

# ARCHITECTURAL SPECIFICATIONS

**LUXURY VINYL TILE (LVT) AND LVT TRANSITIONS:**

LVT SHALL BE INTERFACE BRUSHED LINES 4.5MM IN ALABASTER. COLOR AND PATTERN SELECTION TO BE COORDINATED WITH (THROUGH) THE SAPM. PREPARE FLOOR AS RECOMMENDED BY THE FLOORING MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS. PROVIDE SKIMCOAT / LEVELING COMPOUND EQUAL TO MAPEI PLANIPREP 4 LVT, OR AS RECOMMENDED BY LVT MANUFACTURER. INSTALL THE LVT IN A LINEAR BLOCK PATTERN. THE PATTERN DIRECTION SHALL BE PARALLEL TO THE BATHROOMS. PROVIDE NO VOC PRIMER AND ADHESIVE AS RECOMMENDED BY THE LVT MANUFACTURER. PROVIDE ADA ACCESSIBLE 1 1/4" UNDERSLUNG RUBBER REDUCER / TRANSITION AT ALL OPEN LVT EDGES.

*ALL FLOORING FINISHES MUST MEET REQUIREMENTS AS PER THE 2021 VCC, SECTION 804.1, 804.2 THROUGH 804.4.2 FOR COMBUSTIBILITY AND MUST MEET ASTM E648 OR NFPA 253 REQUIREMENTS OF CLASS II CRITICAL RADIANT FLUX. PROVIDE MATERIALS CLASSIFICATION PRIOR TO INSTALLATION TO THE UBO'S OFFICE FOR APPROVAL.*

**WALL TILE**

PROVIDE CERAMIC WALL TILE ON 1/2" CEMENT BACKER BOARD ON ALL WALL SURFACES WHERE CERAMIC TILE IS INDICATED ON THE DRAWINGS. ATTACH BACKER BOARD WITH SCREWS APPROVED FOR USE BY THE BACKERBOARD MANUFACTURER. SCREW SPACING SHALL NOT EXCEED 6" OC. SET SCREWS SO THAT HEAD IS FLUSH WITH SURFACE OF BOARD. FILL ALL BACKER BOARD JOINTS, INCLUDING SCREW HEADS, WITH MANUFACTURER'S RECOMMENDED MORTAR AND ALKALI-RESISTANT GLASS FIBER MESH TAPE.

WALL TILE SHALL BE EQUAL TO DAL TILE "ARTICULO" WALL TILE IN 6X18 NOMINAL SIZE, IN COLOR " EDITORIAL WHITE" #AR06. TILE SAMPLES TO BE SUBMITTED TO THE SAPM FOR UNIVERSITY APPROVAL.

- INSTALL VERTICALLY WITH ALIGNED 1/8" JOINTS.
- INSTALL ALL WALL TILE PER TCNA DETAIL W244C-25 WITH SCHLUTER-KERDI WATERPROOFING AND VAPOR RETARDANT MEMBRANE WHEREVER TILE IS INSTALLED ON WALL. KERDI SHALL EXTEND TO CEILING AND SHALL BE BONDED TO THE DITRA MEMBRANE AT THE FLOOR IN ACCORDANCE WITH SCHLUTER'S WRITTEN INSTRUCTIONS.
- ALL GROUT SHALL BE EQUAL TO MAPEI KERAPOXY CQ LOW VOC EPOXY GROUT. ALL SEALANT AT TILE SHALL BE EQUAL TO MAPEI MAPESIL LM. COLOR MATCH SEALANT TO GROUT COLOR. GROUT AND SEALANT COLORS SHALL BE SELECTED BY THE SAPM.
- PROVIDE STAINLESS STEEL SCHLUTER JOLLY TRIM AT ALL OUTSIDE WALL TILE CORNERS.

**FLOOR TILE**

PREPARE EXISTING CONCRETE FLOOR SLAB BY REMOVING ALL EXISTING TILE, MEMBRANE WATERPROOFING, AND THINSET MORTAR DOWN TO THE ORIGINAL SLAB. GRIND SLAB TO PROVIDE POSITIVE DRAINAGE TO DRAINS IN SHOWERS. INSTALL SCHLUTER DITRA SA CRACK ISOLATION MEMBRANE UNDER ALL TILE INSTALLED ON CONCRETE. THE DITRA SA MEMBRANE SHALL BE INSTALLED AS A WATERPROOFING MEMBRANE BY SEALING ALL SEAMS AND FLOOR-WALL CONNECTIONS USING SCHLUTER KERDI-BAND IN SCHLUTER ALL-SET THIN-SET MORTAR IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS. FLASH KERDI-BAND VERTICALLY UP WALLS FULL-HEIGHT (TO CEILING), FLASH AND SEAL INTO FLOOR AND LINEAR DRAINS. TERMINATE DITRA AT (NOT UNDER) MARBLE THRESHOLDS AT DOORS INTO RESIDENT ROOMS. THRESHOLDS SHALL PROVIDE AN ADA ACCESSIBLE TRANSITION. DO NOT ALLOW OTHER TRADES ON DITRA UNTIL TILE IS INSTALLED, GROUTED, AND CURED. PROTECT INSTALLED TILE DURING THE REMAINING WORK.

FLOOR TILE SHALL BE EQUAL TO DAL TILE "KEYSTONE" FLOOR TILE IN 2X2 NOMINAL SIZE HEXAGON IN COLOR "ARCHITECT GRAY" #D109 WITH MATTE FINISH. TILE SAMPLES SHALL BE SUBMITTED TO SAPM FOR APPROVAL.

- INSTALL ALL FLOOR TILE PER TCNA DETAIL F115A-25.
- PROVIDE 4 1/2"x6" PREFABRICATED SCHLUTER KERDI-BOARD-SC CURB AT SHOWERS WHERE SHOWN. ORDER LONG AND CUT TO LENGTH.
- ALL GROUT SHALL BE EQUAL TO MAPEI KERAPOXY CQ LOW VOC EPOXY GROUT. ALL SEALANT AT TILE SHALL BE EQUAL TO MAPEI MAPESIL LM. COLOR MATCH SEALANT TO GROUT COLOR. TILE AND GROUT COLOR SELECTION TO BE COORDINATED WITH (THROUGH) THE VT RENOVATIONS PM FROM MANUFACTURER'S STANDARD COLORS.
- PROVIDE NEW STAINLESS STEEL SLOT DRAINS EQUAL TO SCHLUTER KERDI-LINE LINEAR DRAIN (TRENCH DRAIN) INSTALLED WHERE SHOWN ON THE ARCHITECTURAL DRAWINGS. SEE PLUMBING DRAWINGS FOR PLUMBING CONNECTIONS AND ADDITIONAL DETAILS. TOP OF DRAIN SHALL BE FLUSH WITH TOP OF FLOOR TILE.
- INSTALL ALL SCHLUTER PRODUCTS IN STRICT ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS.
- PROVIDE 2"x5/8" DOUBLE BEVELED MARBLE THRESHOLD AT ALL TILE-TO-LVT TRANSITIONS. THRESHOLD SHALL BE EQUAL TO DAL TILE NATURAL STONE. COLOR AS SELECTED BY THE SAPM. LENGTH TO ALLOW THRESHOLD TO EXTEND UNDER DOOR FRAME 1/2" MIN. (DOOR FRAMES ARE SHIMMED 3/16" ABOVE TILE).

**FLOOR TILE (IN SHOWERS)**

- PROVIDE SCHLUTER "QUADEC" STAINLESS STEEL TRIMS AT ALL SHOWER CURBS & OFFSETS IN FLOORS.
- PROVIDE SCHLUTER "DILEX-HKU" TRIMS AT ALL JOINTS BETWEEN WALLS/CURBS & FLOORS. PROVIDE MATCHING INSIDE CORNERS AND CONNECTORS. PROVIDE END CAPS AT THRESHOLD IN RESTROOM 101A SHOWER.
- PROVIDE SCHLUTER KERDI-BOARD-SC PREFABRICATED CURB AT SHOWERS IN BATHROOMS 105A & 106A. ORDER LONG AND CUT TO LENGTH. INSTALL TILE PER SCHLUTER'S WRITTEN INSTALLATION INSTRUCTIONS.
- PROVIDE SCHLUTER PRE-SLOPED SHOWER TRAYS AT NON-ADA SHOWERS. FABRICATE TO MATCH DRAIN LOCATIONS AND SHOWER DIMENSIONS.
- BOND SHOWER PAN AND CURB TO SURROUNDING FLOOR AND WALL SCHLUTER MEMBRANES PER SCHLUTER'S PUBLISHED DETAILS AND WRITTEN INSTALLATION INSTRUCTIONS.
- ALL FLOOR-TO-WALL JOINTS SHALL BE WATERTIGHT.
- AT SHOWER IN BATHROOM 101A PROVIDE 5/8"x2" DOUBLE BEVELED MARBLE THRESHOLD TO ALLOW FOR ADA ACCESSIBLE ROLL-IN TYPE SHOWER. TERMINATE AGAINST SCHLUTER HKU BASE TRIM.

**SUSPENDED ACOUSTICAL TILE CEILING (SATC) SYSTEM:**

SATC SHALL CONFORM TO ASTM A641, ASTM C635, ASTM C636, ASTM D3273, AND ASTM E84. PROVIDE SATC SYSTEM EQUAL TO ARMSTRONG WORLD INDUSTRIES 15 16" PRELUDE PLUS XL ALUMINUM EXPOSED TEE GRID SYSTEM WITH BAKED-ON POLYESTER PAINT EXPOSED STEEL OR ALUMINUM-CAPPED STEEL GRIDS ARE NOT ACCEPTABLE. COLOR SHALL MATCH CEILING TILE. WIRE FOR HANGERS AND TIES SHALL BE NOT LESS THAN 12 GAGE ASTM A641 CORROSION RESISTANT STEEL. PROVIDE SUSPENSION WIRES NOT LESS THAN 4'-0" OC ALONG MAIN RUNNERS AND AT EACH CORNER OF GRID SUPPORTING LIGHTS, FANS, AND HVAC GRILLES. SUSPENSION WIRES SHALL ONLY BE ATTACHED TO BUILDING STRUCTURE, OR TO STEEL UNISTRUT SPANNING BETWEEN BUILDING STRUCTURE. CEILING TILES SHALL BE EQUAL TO PARKLAND PERFORMANCE SPECTRATILE. TILE AND GRID SHALL BE 2'X2'. TILE FACE SHALL BE STUCCO WITH TEGULAR EDGES.

**GYPSUM WALL BOARD (GWB):**

GYPSUM PANELS, ACCESSORIES, AND FINISHING SHALL CONFORM TO ASTM C475, ASTM C645, ASTM C754, ASTM C840, ASTM C1396, AND GA-216. GYPSUM PRODUCTS SHALL NOT BE MANUFACTURED IN CHINA. PROVIDE GYPSUM PANELS EQUAL TO GOLD BOND HIGH STRENGTH LITE, SIZED TO MINIMIZE JOINTS. PROVIDE GALVANIZED STEEL ACCESSORIES, INCLUDING CORNER BEADS, CONTROL JOINTS, AND EDGE BEADS. PROVIDE SELF-TAPPING, CORROSION RESISTANT SCREWS TO ATTACH PANELS TO METAL FRAMING AND WOOD. PROVIDE 2" WIDE COATED FIBERGLASS TAPE FOR JOINTS AND CORNERS. PROVIDE READY-MIXED VINYL-BASED JOINT COMPOUND. PROVIDE LEVEL 4 FINISH ON ALL SURFACES EXPOSED TO VIEW. PROVIDE LEVEL 2 FINISH ON ALL SURFACES NOT EXPOSED TO VIEW. MAXIMUM VARIATION OF FINISHED GYPSUM SURFACES SHALL BE 1/8 INCH OVER 10 FEET IN ANY DIRECTION. ALL GWB SHALL BE 5/8" UNLESS MATCHING FIELD CONDITIONS.

**NON-STRUCTURAL METAL FRAMING:**

METAL FRAMING SHALL CONFORM TO ASTM C754, ASTM C645, AND ASTM C653. PROVIDE GALVANIZED STEEL FRAMING (STUDS, TRACK, BRIDGING, BRACING, CLIPS, ETC.) AS REQUIRED TO TO CONSTRUCT THE WORK. PROVIDE 16 GA. GALVANIZED STEEL 'U' CHANNELS AS BRIDGING. PROVIDE BRIDGING IN ALL KNOCKOUTS IN NEW STUD WALLS, BUT NOT LESS THAN 48" OC VERTICALLY. ALL FASTENERS SHALL BE CORROSION RESISTANT. PRODUCTS SHALL BE EQUAL TO CLARK DIETRICH PROSTUDS, PROTRAK, AND AS NOTED ELSEWHERE IN THE DRAWINGS. ALL FRAMING SHALL BE 20 GAGE, SIZES AS INDICATED ON THE DRAWINGS OR AS REQUIRED TO SUPPORT THE APPLIED LOADS. PROVIDE FLEXIBLE HEAD CONNECTION BY MANUFACTURER'S STANDARD NESTED OR SLOTTED TRACK.

**RUBBER WALL BASE AND ACCESSORIES:**

PROVIDE JOHNSONITE (OR APPROVED EQUAL) WALL BASE CONFORMING TO FS SS-W-40, TYPE 1 OR 2, 4" HIGH, COVE STYLE, 3/8" THICK. PROVIDE IN ROLLS NOT LESS THAN 50' IN LENGTH. PROVIDE WATER-RESISTANT, NO VOC ADHESIVE THAT IS COMPATIBLE TO SUBSTRATES. COLOR(S) SHALL BE SELECTED BY THE SAPM FROM MANUFACTURER'S STANDARD COLORS.

**JOINT SEALANTS:**

AT ALL INTERIOR BUILDING JOINTS, PROVIDE A MILDEW RESISTANT, PAINT-ABLE SEALANT EQUAL TO SIKASEAL GP. TOOL ALL JOINTS TO ACHIEVE A CONCAVE FACE. CLEAN ALL EXCESS SEALANT FROM SURROUNDING CONSTRUCTION. INSTALL ALL SEALANT PRIOR TO PAINTING. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS. MASK BOUNDARY OF SEALANT PRIOR TO INSTALLING SEALANT TO PROTECT ADJACENT SURFACES AND PROVIDE CLEAN EDGES. PROVIDE CLEAR 100% SILICONE SEALANT AT COUNTERTOPS. SEE TILE SPECIFICATIONS FOR SEALANT AT WALL AND FLOOR TILE.

**PAINTS AND COATINGS:**

PAINT ALL NEW AND EXISTING SURFACES THAT ARE NOT FACTORY FINISHED AND WILL BE EXPOSED TO VIEW WITH SCUFF-X LATEX PAINT BY BENJAMIN MOORE. PROVIDE ONE (1) COAT OF COMPATIBLE PRIMER AT ALL NEW GWB SURFACES. PROVIDE TWO (2) TOP COATS AT NEW AND EXISTING GWB. PROVIDE SATIN FINISH EXCEPT WHERE NEW PAINT WILL MEET EXISTING PAINT IN THE SAME PLANE, MATCH THE SHEEN OF THE EXISTING PAINT.

PAINT NEW (PRIMED) AND EXISTING HOLLOW METAL DOOR FRAMES WITH A MINIMUM OF TWO (2) TOPCOATS OF BENJAMIN MOORE COROTECH V331 DTM ACRYLIC ENAMEL, SEMI-GLOSS.

PROVIDE PER-COAT THICKNESS RECOMMENDED BY MANUFACTURER. PROVIDE ADDITIONAL COATS AS NECESSARY TO HIDE UNDERCOATS AND PREVIOUS COLORS. PREPARE ALL NEW AND EXISTING SURFACES PER MANUFACTURER'S WRITTEN INSTRUCTIONS, INCLUDING FILLING HOLES WITH COMPATIBLE PATCHING COMPOUND. THOROUGHLY CLEAN OIL AND PROTECTIVE COATINGS FROM NEW HOLLOW METAL FRAMES PRIOR TO PAINTING. PROVIDE ADHESION TESTING WHERE RECOMMENDED BY MANUFACTURER. ALL COLOR(S) SHALL BE SELECTED BY THE SAPM.

UBO APPROVAL

**ARCHITECTURAL SPECIFICATIONS AND SUBMITTAL REGISTER**

SPECIAL PURPOSE HOUSING UNIT 67G FIRST FLOOR RENOVATIONS  
BLACKSBURG, VA

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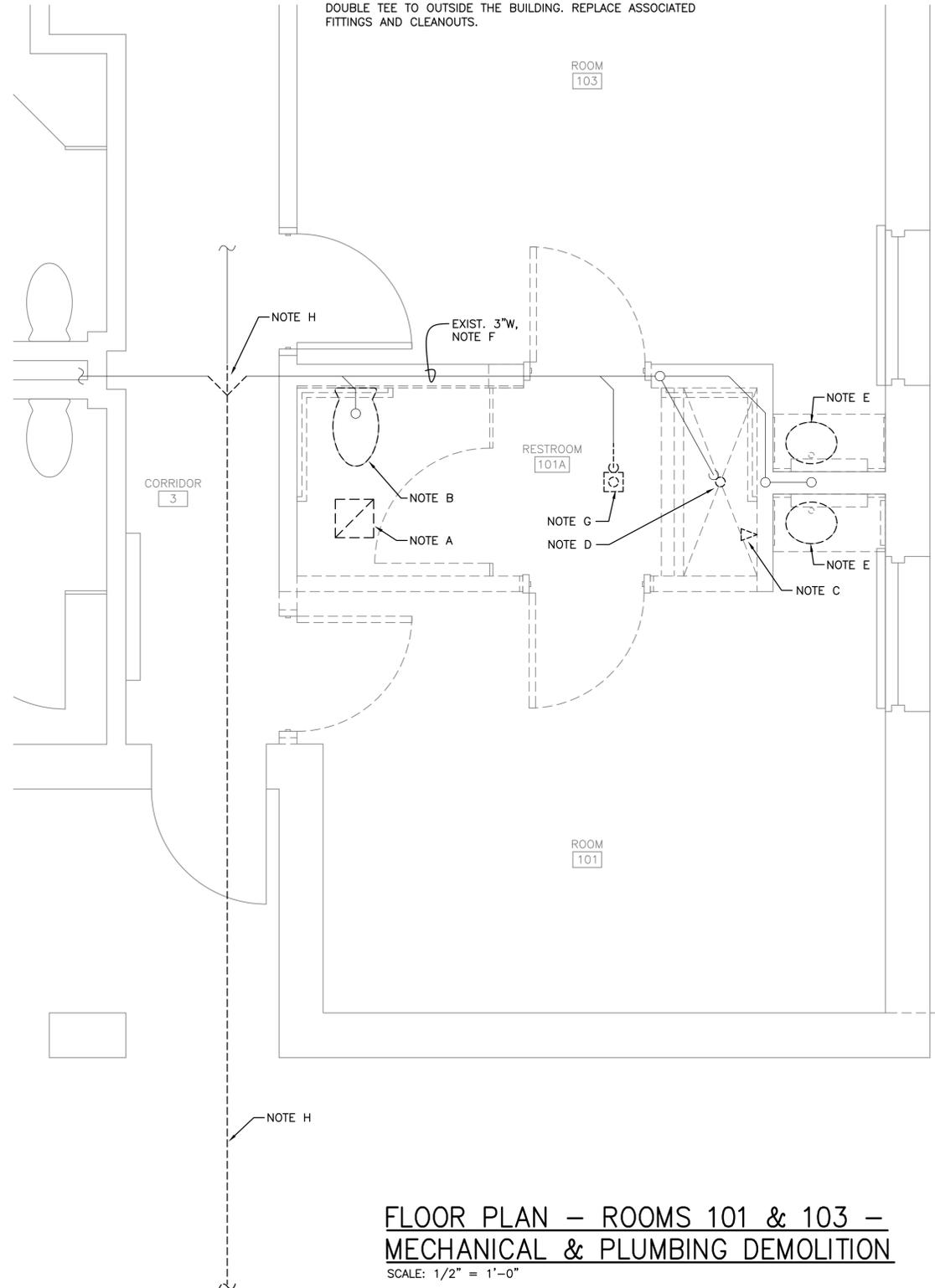
| SUBMITTAL REGISTER |   |  |                                |
|--------------------|---|--|--------------------------------|
| SUBMITTAL No.      | PRODUCT / MATERIAL                            | SUBMITTAL CONTENTS   | ATTIC STOCK REQUIREMENT        |
| 1                  | GYPSUM BOARD AND NON-STRUCTURAL METAL FRAMING | PRODUCT INFORMATION  |                                |
| 2                  | HOLLOW METAL (HM) DOOR FRAMES                 | PRODUCT INFORMATION  |                                |
| 3                  | FLUSH WOOD DOORS                              | PRODUCT INFORMATION, TESTING DATA, SAMPLES FOR COLOR AND PATTERN SELECTION |                                |
| 4                  | DOOR HARDWARE                                 | PRODUCT INFORMATION AND HARDWARE SCHEDULE                                  |                                |
| 5                  | RUBBER WALL BASE                              | PRODUCT INFORMATION AND SAMPLES FOR COLOR SELECTION                        |                                |
| 6                  | PAINTING                                      | PRODUCT INFORMATION  |                                |
| 7                  | JOINT SEALANT                                 | PRODUCT DATA AND COLOR SAMPLES FOR EACH SEALANT TYPE                       |                                |
| 8                  | SUSPENDED ACOUSTIC TILE CEILING (SATC)        | PRODUCT INFORMATION  | (1) BOX OF CEILING TILE        |
| 9                  | LUXURY VINYL TILE (LVT) AND LVT TRANSITIONS   | PRODUCT INFORMATION AND SAMPLES FOR COLOR SELECTION                        | 5% OF JOB QUANTITY             |
| 10                 | WALL/FLOOR TILE AND GROUT                     | PRODUCT INFORMATION AND SAMPLES FOR COLOR SELECTION                        | 5% OF JOB QUANTITY (TILE ONLY) |
| 11                 | PLUMBING MATERIALS                            | PRODUCT INFORMATION  |                                |
| 12                 | PLUMBING FIXTURES                             | PRODUCT INFORMATION  |                                |
| 13                 | MECHANICAL EQUIPMENT                          | PRODUCT INFORMATION  |                                |
| 14                 | MECHANICAL MATERIALS AND COMPONENTS           | PRODUCT INFORMATION  |                                |
| 15                 | TESTING AND BALANCING (TAB)                   | REPORT   |                                |
| 16                 | ELECTRICAL MATERIALS                          | PRODUCT INFORMATION  |                                |
| 17                 | ELECTRICAL FIXTURES AND DEVICES               | PRODUCT INFORMATION AND COLOR SAMPLES                                      |                                |

| REVISIONS | DATE | DESCRIPTION | No. |
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**DEMO NOTES THIS SHEET**

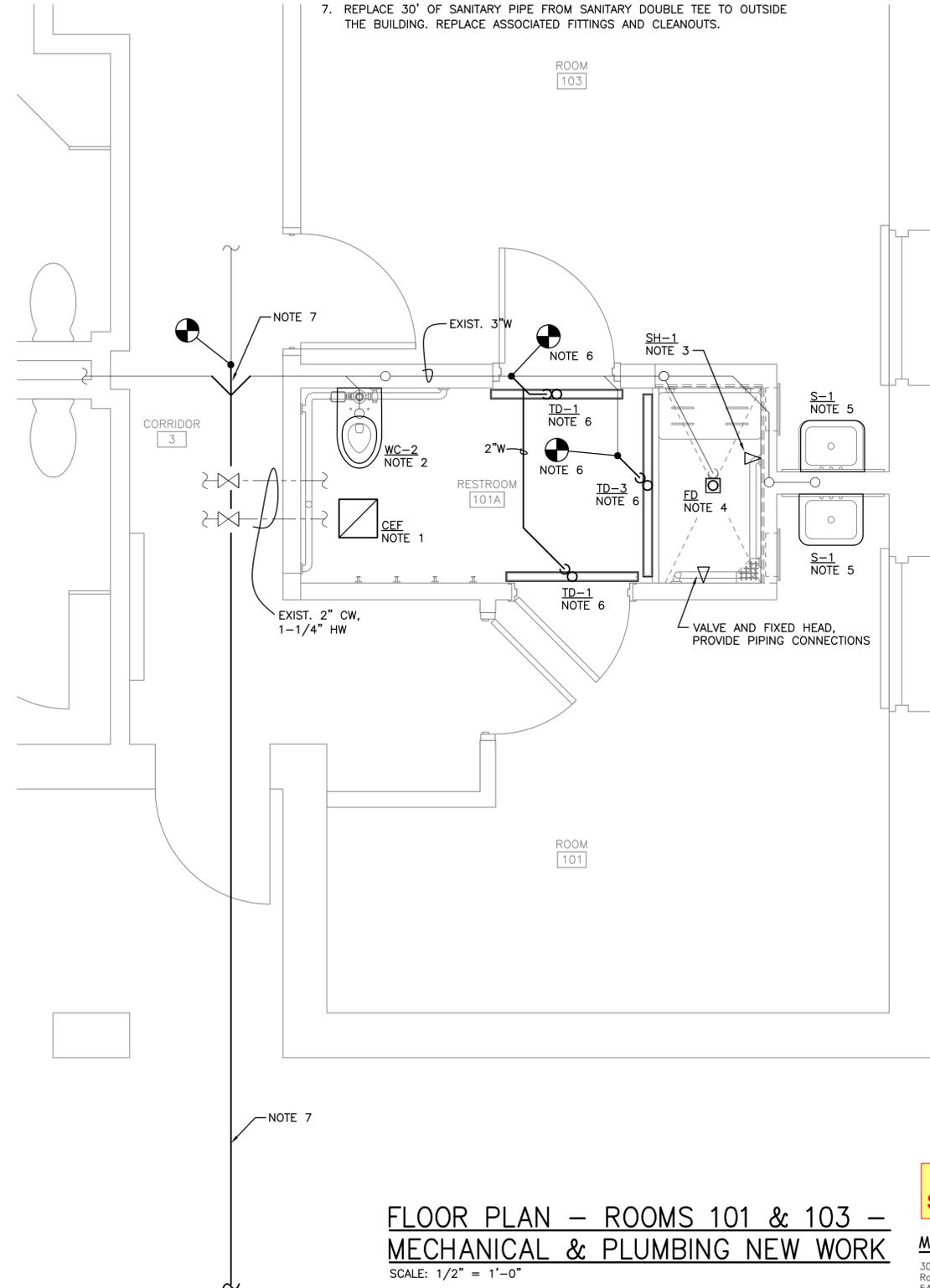
- A. REMOVE CEILING EXHAUST FAN AND PREPARE FOR REPLACEMENT.
- B. REMOVE WATER CLOSET AND TRIM. REMOVE WATER AND WASTE PIPING FOR RELOCATION. PREPARE FOR REPLACEMENT WATER CLOSET.
- C. REMOVE SHOWER VALVE AND SHOWER HEAD. REMOVE WATER PIPING FOR NEW ACCESSIBLE SHOWER.
- D. REMOVE FLOOR DRAIN AND PREPARE FOR REPLACEMENT. REMOVE WASTE PIPE AS REQUIRED FOR NEW TILE AND FLOOR DRAIN.
- E. REMOVE SINK, FAUCET, AND TRIM. PREPARE FOR REPLACEMENT.
- F. PRIOR TO STARTING DEMOLITION WORK, VERIFY EXISTING SANITARY WASTE PIPE LOCATION AND INVERT. SEE NEW WORK PLAN FOR LOCATION OF NEW CONNECTION.
- G. REMOVE FLOOR DRAIN AND WASTE PIPE. PREPARE FOR CONNECTION OF NEW TRENCH DRAIN WASTE PIPE.
- H. REMOVE AND REPLACE 30' OF SANITARY PIPE FROM SANITARY DOUBLE TEE TO OUTSIDE THE BUILDING. REPLACE ASSOCIATED FITTINGS AND CLEANOUTS.



**FLOOR PLAN – ROOMS 101 & 103 –  
MECHANICAL & PLUMBING DEMOLITION**  
SCALE: 1/2" = 1'-0"

**NOTES THIS SHEET**

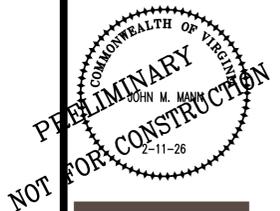
- 1. PROVIDE DUCT FITTING AS NECESSARY TO CONENCT EXHAUST FAN TO EXISTING DUCT.
- 2. PROVIDE NEW TRIM FOR WATER CLOSET. MODIFY WATER STUB-OUT LOCATION FOR NEW FLUSH VALVE. MODIFY WASTE CONNECTION AS REQUIRED FOR ADA CLEARANCES FROM WALL.
- 3. PROVIDE NEW ACCESSIBLE SHOWER VALVE AND HANDHELD SHOWER. PROVIDE NEW PIPING FOR CONNECTIONS.
- 4. PROVIDE FLOOR DRAIN AND MODIFY WASTE PIPING AS REQUIRED FOR PROPER SLOPE TO DRAIN.
- 5. PROVIDE ACCESSIBLE WALL-HUNG SINK AND FAUCET. PROVIDE NEW TRIM TO INCLUDE STOPS, SUPPLIES, STRAINER, AND P-TRAP. MODIFY PIPING IN WALL AS REQUIRED TO INSTALL FLOOR MOUNTED SINK CARRIER.
- 6. PRIOR TO STARTING WORK, VERIFY CONNECTION POINT FOR WASTE PIPE FROM TRENCH DRAINS. SAWCUT FLOOR FOR TRENCH DRAINS AND NEW WASTE PIPE.
- 7. REPLACE 30' OF SANITARY PIPE FROM SANITARY DOUBLE TEE TO OUTSIDE THE BUILDING. REPLACE ASSOCIATED FITTINGS AND CLEANOUTS.



**FLOOR PLAN – ROOMS 101 & 103 –  
MECHANICAL & PLUMBING NEW WORK**  
SCALE: 1/2" = 1'-0"

UBO APPROVAL

|  |                |               |                 |                   |
|--|----------------|---------------|-----------------|-------------------|
| DATE: 02-11-2026   | COMM No: 26-01 | DRAWN BY: DAR | CHECKED BY: JMM | STATE PROJECT No: |
| <b>FLOOR PLANS - ROOMS 101 &amp; 103 -<br/>MECHANICAL &amp; PLUMBING</b>   |                |               |                 |                   |
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**MP101**

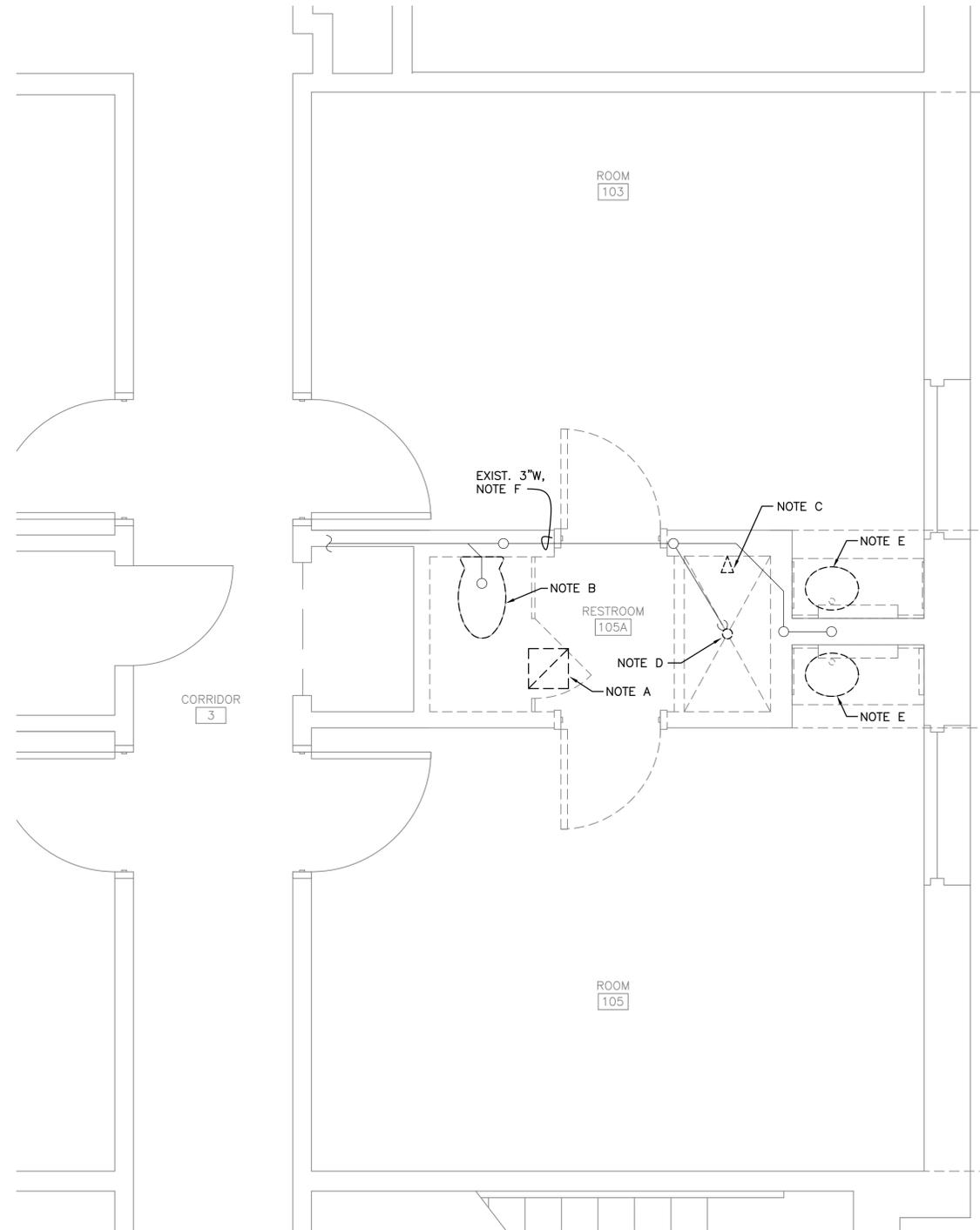
SHEET 17 of 25

**DEMO NOTES THIS SHEET**

- A. REMOVE CEILING EXHAUST FAN AND PREPARE FOR REPLACEMENT.
- B. REMOVE WATER CLOSET AND TRIM. PREPARE FOR REPLACEMENT.
- C. REMOVE SHOWER VALVE AND SHOWER HEAD. PREPARE FOR REPLACEMENT.
- D. REMOVE FLOOR DRAIN AND PREPARE FOR REPLACEMENT. REMOVE WASTE PIPE AS REQUIRED FOR NEW TILE AND FLOOR DRAIN.
- E. REMOVE SINK, FAUCET, AND TRIM. PREPARE FOR REPLACEMENT.
- F. PRIOR TO STARTING DEMOLITION WORK, VERIFY EXISTING SANITARY WASTE PIPE LOCATION AND INVERT. SEE NEW WORK PLAN FOR LOCATION OF NEW CONNECTION.

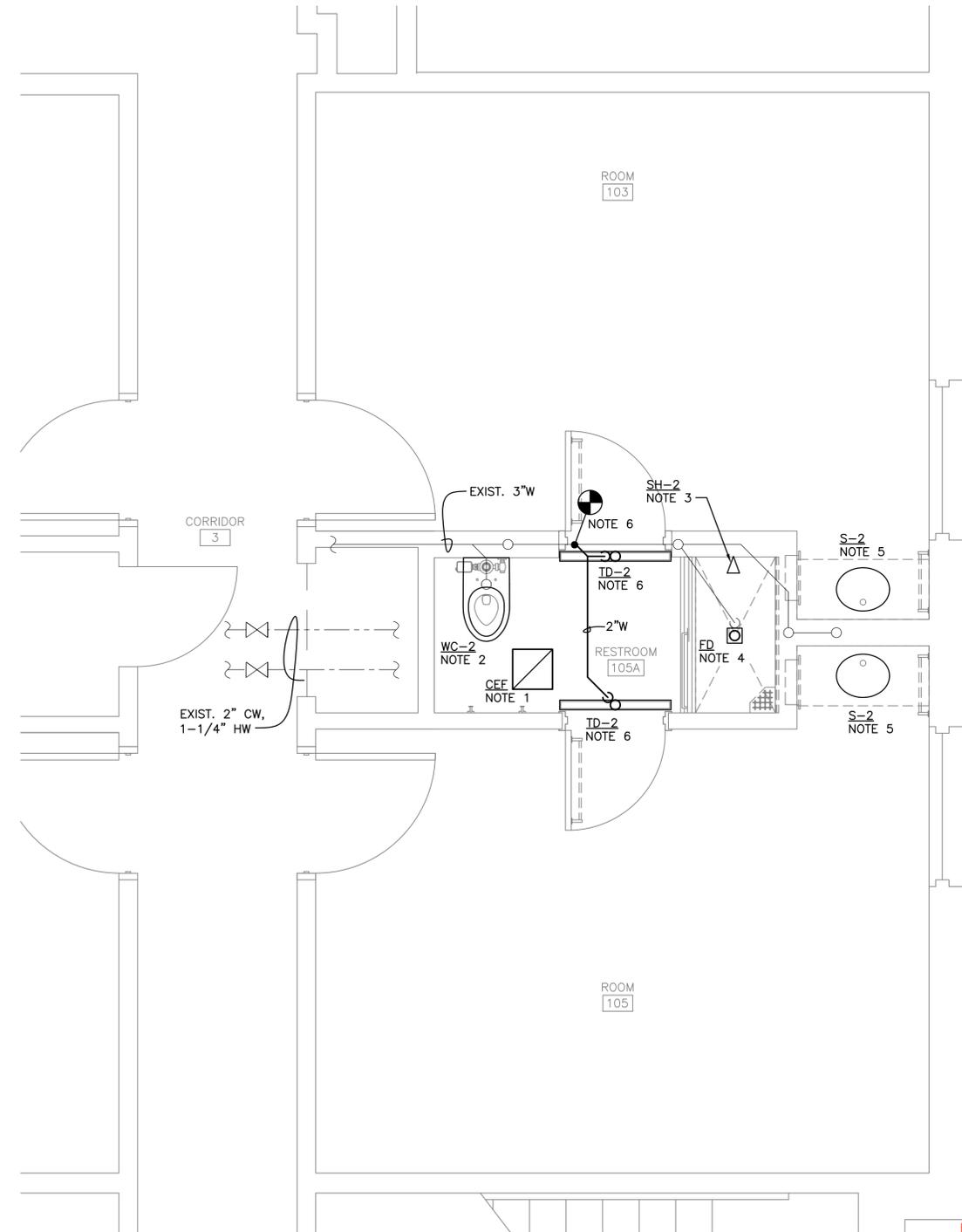
**NOTES THIS SHEET**

- 1. PROVIDE DUCT FITTING AS NECESSARY TO CONENCT EXHAUST FAN TO EXISTING DUCT.
- 2. PROVIDE NEW TRIM FOR WATER CLOSET.
- 3. PROVIDE NEW SHOWER VALVE AND SHOWER HEAD. PROVIDE NEW PIPING FROM VALVE TO HEAD.
- 4. PROVIDE SHOWER FLOOR DRAIN AND MODIFY WASTE PIPING AS REQUIRED FOR PROPER SLOPE IN SHOWER.
- 5. INSTALL OWNER FURNISHED BASE CABINET, SINK, AND FAUCET. PROVIDE NEW TRIM TO INCLUDE STOPS, SUPPLIES, STRAINER, AND P-TRAP.
- 6. PRIOR TO STARTING WORK, VERIFY CONNECTION POINT FOR WASTE PIPE FROM TRENCH DRAINS. SAWCUT FLOOR FOR TRENCH DRAINS AND NEW WASTE PIPE.



**FLOOR PLAN – ROOMS 105 & 107 – MECHANICAL & PLUMBING DEMOLITION**

SCALE: 1/2" = 1'-0"

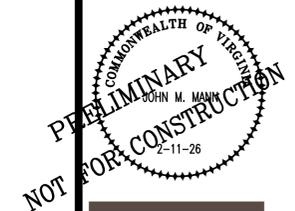


**FLOOR PLAN – ROOMS 105 & 107 – MECHANICAL & PLUMBING NEW WORK**

SCALE: 1/2" = 1'-0"

UBO APPROVAL

|  |                |               |                 |                   |
|--|----------------|---------------|-----------------|-------------------|
| DATE: 02-11-2026   | COMM No: 26-01 | DRAWN BY: DAR | CHECKED BY: JMM | STATE PROJECT No: |
| <b>FLOOR PLANS - ROOMS 105 &amp; 107 - MECHANICAL &amp; PLUMBING</b>       |                |               |                 |                   |
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**MP102**

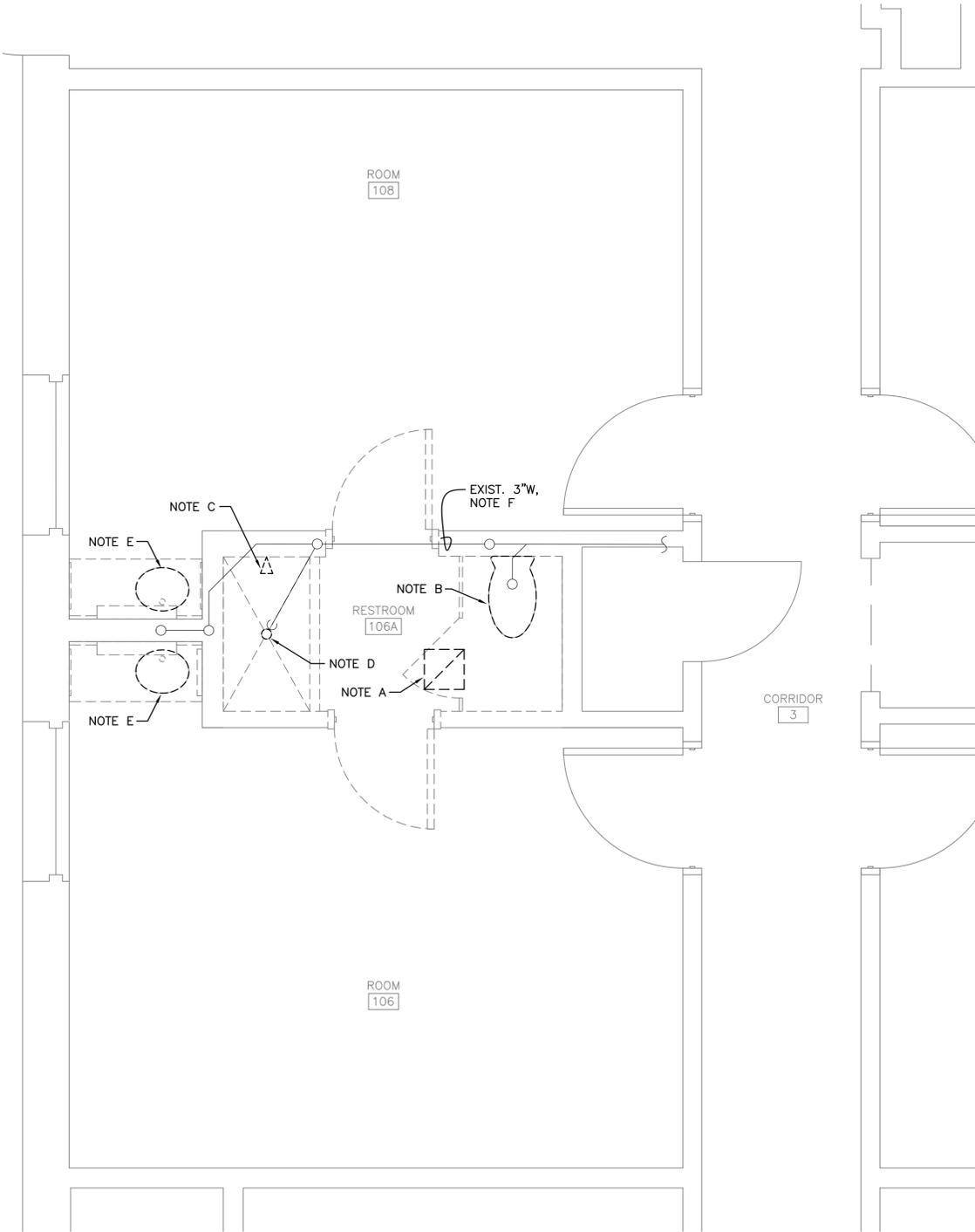
SHEET 18 of 25

**DEMO NOTES THIS SHEET**

- A. REMOVE CEILING EXHAUST FAN AND PREPARE FOR REPLACEMENT.
- B. REMOVE WATER CLOSET AND TRIM. PREPARE FOR REPLACEMENT.
- C. REMOVE SHOWER VALVE AND SHOWER HEAD. PREPARE FOR REPLACEMENT.
- D. REMOVE FLOOR DRAIN AND PREPARE FOR REPLACEMENT. REMOVE WASTE PIPE AS REQUIRED FOR NEW TILE AND FLOOR DRAIN.
- E. REMOVE SINK, FAUCET, AND TRIM. PREPARE FOR REPLACEMENT.
- F. PRIOR TO STARTING DEMOLITION WORK, VERIFY EXISTING SANITARY WASTE PIPE LOCATION AND INVERT. SEE NEW WORK PLAN FOR LOCATION OF NEW CONNECTION.

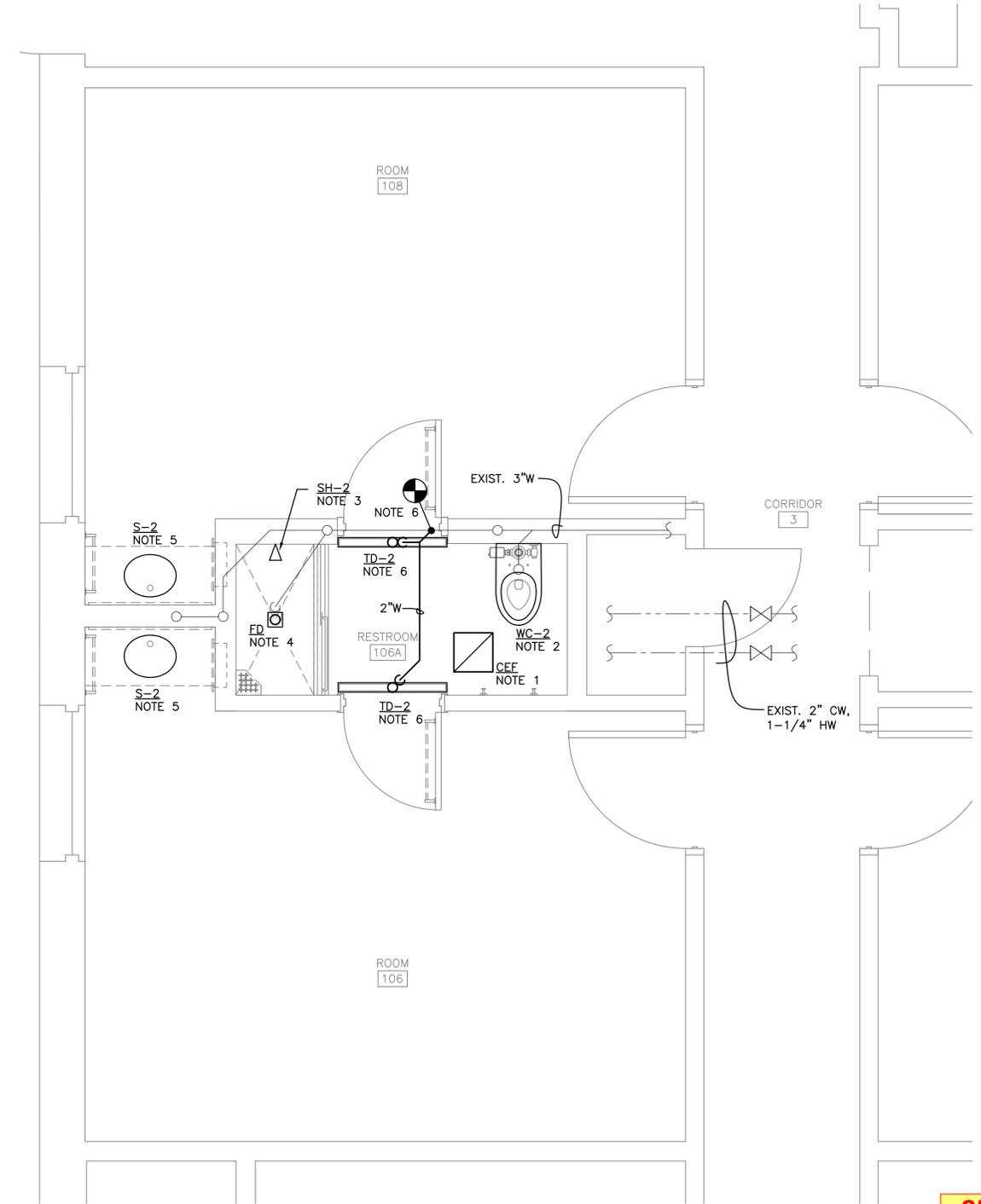
**NOTES THIS SHEET**

- 1. PROVIDE DUCT FITTING AS NECESSARY TO CONENCT EXHAUST FAN TO EXISTING DUCT.
- 2. PROVIDE NEW TRIM FOR WATER CLOSET.
- 3. PROVIDE NEW SHOWER VALVE AND SHOWER HEAD. PROVIDE NEW PIPING FROM VALVE TO HEAD.
- 4. PROVIDE SHOWER FLOOR DRAIN AND MODIFY WASTE PIPING AS REQUIRED FOR PROPER SLOPE IN SHOWER.
- 5. INSTALL OWNER FURNISHED BASE CABINET, SINK, AND FAUCET. PROVIDE NEW TRIM TO INCLUDE STOPS, SUPPLIES, STRAINER, AND P-TRAP.
- 6. PRIOR TO STARTING WORK, VERIFY CONNECTION POINT FOR WASTE PIPE FROM TRENCH DRAINS. SAWCUT FLOOR FOR TRENCH DRAINS AND NEW WASTE PIPE.



**FLOOR PLAN – ROOMS 106 & 108 – MECHANICAL & PLUMBING DEMOLITION**

SCALE: 1/2" = 1'-0"

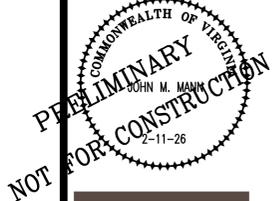


**FLOOR PLAN – ROOMS 106 & 108 – MECHANICAL & PLUMBING NEW WORK**

SCALE: 1/2" = 1'-0"

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|--|----------------|---------------|-----------------|-------------------|
| DATE: 02-11-2026   | COMM No: 26-01 | DRAWN BY: DAR | CHECKED BY: JMM | STATE PROJECT No: |
| <b>FLOOR PLANS - ROOMS 106 &amp; 108 - MECHANICAL &amp; PLUMBING</b>       |                |               |                 |                   |
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**MP103**  
 SHEET 19 of 25

## PLUMBING FIXTURE SCHEDULE SEE FIXTURE SCHEDULE NOTE 1

| MARK         | DESCRIPTION                                | FIXTURE WASTE | VENT   | C.W. | H.W. | MANUFACTURER      | MODEL      | CATALOG NO.  | REMARKS   | MTG HGT                |
|--------------|--|---------------|--------|------|------|-------------------|------------|--|---|------------------------|
| WC-1         | FLOOR WATER CLOSET, FLUSH VALVE-ACCESSIBLE | 3"            | 2"     | 1"   | ---  | TOTO              | ---        | CT705ULNG  | FLOOR MOUNTED, TOP SPUD, ELONGATED FRONT, 1.28 GPF. BEMIS 1955SSCT SEAT. PROVIDE TOTO ECOPOWER TETILA32 SENSOR TOILET FLUSH VALVE. SEE SCHEDULE NOTE 2.   | 17" TO RIM             |
| WC-2         | FLOOR WATER CLOSET, FLUSH VALVE            | 3"            | 2"     | 1"   | ---  | AMERICAN STANDARD | ---        | CT705UNG   | FLOOR MOUNTED, TOP SPUD, ELONGATED FRONT, 1.28 GPF. BEMIS 1955SSCT SEAT. PROVIDE TOTO ECOPOWER TETILA32 SENSOR TOILET FLUSH VALVE.  | 15" TO RIM             |
| S-1          | DORM ROOM SINK, WALL-MOUNT, ACCESSIBLE     | 1-1/2"        | 1-1/2" | 1/2" | 1/2" | AMERICAN STANDARD | LUCERNE    | 0356.421   | PROVIDE SINGLE HOLE FAUCET WITH SINGLE ADA LEVER HANDLE, GRID DRAIN STRAINER, TRUBRO MODEL #102-Z WASTE & WATER PIPE INSULATION. ANGLE SUPPLIES & STOPS, PROVIDE FLOOR MOUNTED, CONCEALED ARM CARRIER.  | 34" TO RIM             |
| S-2          | DORM ROOM SINK, OVAL                       | 1-1/2"        | 1-1/2" | 1/2" | 1/2" | OWNER FURNISHED   | ---        | ---  | INSTALL OWNER FURNISHED BASE CABINET, SINK, AND FAUCET. PROVIDE GRID DRAIN STRAINER, ANGLE SUPPLIES & STOPS.  | COUNTER TOP, SEE ARCH. |
| SH-1         | ROLL-IN SHOWER ACCESSIBLE                  | 2"            | 1-1/2" | 1/2" | 1/2" | MOEN              | POSI-TEMP  | 8372HD(IPS) T8370 TRIM   | SINGLE-HANDLE PRESSURE BALANCED SHOWER VALVES, INTEGRAL SHUT-OFF VALVES, ADA COMPLIANT. COMMERCIAL, ALL METAL CHROME TRIM KIT. PROVIDE QUANTITY OF TWO SHOWER VALVES: ONE ON LONG WALL FOR HANDSHOWER AND ONE ON SHORT WALL FOR FIXED SHOWERHEAD. HANSGRÖHE MODEL E75 06497000 CROMA HANDSHOWER WITH 24" SLIDE BAR, 63" TECHNIFLEX METAL HOSE, AND 06505003 SHOWER MOUNT/HOLDER WITH DOUBLE BACKFLOW PREVENTION, 1.5 GPM, CHROME FINISH. FIXED SHOWER HEAD, NIAGARA MODEL EARTH N2915-CH WITH MOEN CL123815 CHROME SHOWER ARM. SEE SHOWER ELEVATIONS ON ARCHITECTURAL DRAWINGS FOR MOUNTING DIMENSIONS. |                        |
| SH-2         | SHOWER                                     | 2"            | 1-1/2" | 1/2" | 1/2" | MOEN              | POSI-TEMP  | 8372HD(IPS) T8370 TRIM   | SINGLE-HANDLE PRESSURE BALANCED SHOWER VALVE, INTEGRAL SHUT-OFF VALVES. COMMERCIAL, ALL METAL CHROME TRIM KIT. FIXED SHOWER HEAD, NIAGARA MODEL EARTH N2915-CH WITH MOEN CL123815 CHROME SHOWER ARM. SEE SHOWER ELEVATIONS ON ARCHITECTURAL DRAWINGS FOR MOUNTING DIMENSIONS.   |                        |
| FD           | SHOWER DRAIN FLOOR DRAIN                   | 2"            | 1-1/2" | ---  | ---  | SCHLUTER          | ---        | KERDI-DRAIN  | PVC BODY, 4" SQUARE STAINLESS STEEL "CLASSIC #6E" COVER. PROVIDE AND INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS WITH ALL ACCESSORIES, INCLUDING SEALING AND BONDING COMPONENTS, AS REQUIRED FOR A COMPLETE DRAINAGE ASSEMBLY COMPATIBLE WITH THE MEMBRANE WATERPROOFING SYSTEM. PROVIDE WITH PROSET TRAP GUARD.  |                        |
| TD-1<br>TD-2 | TRENCH DRAIN                               | 2"            | 1-1/2" | ---  | ---  | SCHLUTER          | KERDI-LINE | TD-1: 41-3/8" LENGTH<br>TD-2: 33-1/2" LENGTH<br>TD-3: 57-1/8" LENGTH | SCHLUTER KERDI-LINE LINEAR DRAIN, 2 1/8" WIDTH, WITH GRATE FRAME ASSEMBLY, "SOLID" GRATE DESIGN. ALL COMPONENTS SHALL BE STAINLESS STEEL, WITH BRUSHED FINISH FOR ALL EXPOSED SURFACES. PROVIDE AND INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS WITH ALL ACCESSORIES, INCLUDING SEALING AND BONDING COMPONENTS, AS REQUIRED FOR A COMPLETE DRAINAGE ASSEMBLY COMPATIBLE WITH THE MEMBRANE WATERPROOFING SYSTEM. PROVIDE WITH PROSET TRAP GUARD.   |                        |

**FIXTURE SCHEDULE NOTES:**  
 1. SEE ARCHITECTURAL DRAWINGS FOR INSTALLATION DETAILS, DIMENSIONS, AND CLEARANCES.  
 2. INSTALL FLUSH VALVES TO MAINTAIN 1-1/2" MINIMUM CLEARANCE BELOW GRAB BAR.

### CEILING EXHAUST FAN (CEF)

VERIFY EXISTING CONDITIONS AND SPACE FOR REPLACEMENT EXHAUST FAN PRIOR TO SUBMITTING SHOP DRAWING AND ORDERING FAN.  
 GREENHECK SP-B70, 50 CFM AT 0.25" SP, 120V, 16.5 AMPS, 2.0 SONES, ENERGY STAR, BACKDRAFT DAMPER, WHITE CEILING GRILLE, ELECTRICAL PLUG TYPE DISCONNECT.  
 RECONNECT TO LIGHT SWITCH.

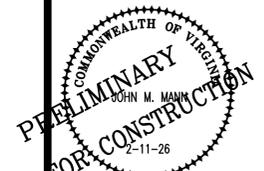
| LEGEND      |                            |
|-------------|----------------------------|
| SYMBOL      | DESCRIPTION                |
| ----        | ITEM TO BE REMOVED         |
| -----       | DOMESTIC COLD WATER PIPING |
| -----       | DOMESTIC HOT WATER PIPING  |
| -----       | SANITARY PIPING            |
| -----       | VENT PIPING                |
| G-----      | PIPE TURN DOWN             |
| O-----      | PIPE TURN UP               |
| -----X----- | ISOLATION VALVE            |
| FD [ ]----- | FLOOR DRAIN                |
| [ ]-----    | NEW TO EXISTING CONNECTION |
| CW          | COLD WATER                 |
| HW          | HOT WATER                  |
| TD          | TRENCH DRAIN               |
| EXIST.      | EXISTING                   |
| W           | SANITARY WASTE             |
| V           | SANITARY VENT              |
| CEF         | CEILING EXHAUST FAN        |

## OUTLINE SPECIFICATIONS

1. ALL WORK SHALL COMPLY WITH THE 2021 VIRGINIA UNIFORM STATEWIDE BUILDING CODE AND VIRGINIA TECH DESIGN AND CONSTRUCTION GUIDELINES.
2. PROVIDE COMPLETE SUBMITTAL INFORMATION FOR FIXTURES, EQUIPMENT AND DEVICES.
3. RECORD ALL CHANGES IN THE WORK ON THE PROJECT RECORD DRAWINGS.
4. PROVIDE DETAILED OPERATION AND MAINTENANCE MANUALS FOR ALL EQUIPMENT.
5. PLUMBING EQUIPMENT, MATERIALS AND LABOR SHALL INCLUDE A ONE YEAR WARRANTY.
6. DRAWINGS INDICATE GENERAL LAYOUT OF PIPING AND EQUIPMENT. COORDINATE INSTALLATION WITH OTHER TRADES AND PROVIDE ADDITIONAL FITTINGS, OFFSETS AND TRANSITIONS AS REQUIRED. SEE ARCHITECTURAL DRAWINGS FOR CRITICAL INSTALLATION DIMENSIONS.
7. FIELD VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING BID, FABRICATION OR ORDERING OF EQUIPMENT. VERIFY SITE CONDITIONS INCLUDING LOCATION FOR CONNECTIONS OF WATER AND SANITARY WASTE PIPING.
8. MOST EXISTING PIPING IS NOT SHOWN ON THESE DRAWINGS. WHERE EXISTING PIPING IS SHOWN, IT IS FOR INFORMATION PURPOSES AND IS BASED ON EXISTING DRAWINGS. VERIFY EXISTING CONSTRUCTION IN THE FIELD PRIOR TO BIDDING AND CONSTRUCTION. IF EXISTING PIPES ARE SMALLER THAN INDICATED SIZE, NOTIFY THE A/E IMMEDIATELY.
9. THE EXISTING BUILDING WILL BE OCCUPIED DURING THE ENTIRE PERIOD OF CONSTRUCTION. COORDINATE ALL WORK WITH THE OWNER IN ORDER TO MINIMIZE DISRUPTION OF THE USE OF THE EXISTING BUILDING.
10. IN ADDITION TO DEMOLITION WORK INDICATED, PROVIDE MISCELLANEOUS SELECTIVE DEMOLITION OF EXISTING CONSTRUCTION AS REQUIRED FOR PROPER INSTALLATION OF THE PROPOSED CONSTRUCTION. REMOVE ALL COMPONENTS WHICH ARE NOT REQUIRED FOR THE PROPOSED CONSTRUCTION INCLUDING HANGERS, ANCHORS, MOUNTING BRACKETS, AND OTHER MISCELLANEOUS COMPONENTS. THESE DRAWINGS DO NOT PURPORT TO SHOW ALL MISCELLANEOUS DEMOLITION.
11. CONFIRM LOCATION OF EXISTING AND NEW ELECTRICAL PANELBOARDS. PIPING SHALL NOT BE INSTALLED ABOVE ELECTRICAL PANELBOARDS.
12. COORDINATE ALL WORK WITH FIRE RATED ASSEMBLIES. PROVIDE FIRESTOPPING AT PENETRATIONS OF RATED ASSEMBLIES AND AT FLOORS.
13. COORDINATE INSTALLATION OF EQUIPMENT AND OTHER DEVICES TO PROVIDE ACCESS FOR SERVICING.
14. PROVIDE ALL MISCELLANEOUS COMPONENTS REQUIRED FOR A COMPLETE AND PROPER INSTALLATION, WHETHER OR NOT THESE COMPONENTS ARE SPECIFIED HEREIN.
15. MOUNT ALL EQUIPMENT PLUMB AND LEVEL WITH SUBSTANTIAL FASTENERS SUITABLE FOR THE LOAD. ALL COMPONENTS SHALL BE RIGIDLY ANCHORED FOR LONG LIFE UNDER HARD USE.
16. METAL ACCESS DOORS SHALL BE PROVIDED AS REQUIRED FOR ALL COMPONENTS REQUIRING ACCESS. COORDINATE LOCATIONS WHERE ACCESS DOORS WILL BE REQUIRED FOR CLEANOUTS, VALVES, SHOCK ARRESTORS OR OTHER DEVICES.
17. THE DESIGN SHOWN IS BASED ON THE MANUFACTURERS AND MODELS SCHEDULED AND IS INTENDED ONLY TO SHOW THE GENERAL SIZE, CONFIGURATION, LOCATION, CONNECTIONS AND/OR SUPPORT FOR EQUIPMENT OR SYSTEMS SPECIFIED WITH RELATION TO THE OTHER BUILDING SYSTEMS.
18. PROVIDE SLEEVES FOR ALL PIPE PENETRATIONS IN MASONRY WALLS AND CONCRETE FLOOR SLABS. ANCHOR SLEEVES TO ADJACENT STRUCTURE.
19. INSTALL PIPING AND PIPE HANGERS PER ASME B31.9. SUPPORT PIPING AND SPACE HANGERS IN ACCORDANCE WITH VIRGINIA PLUMBING CODE, TABLE 308.5.
20. WATER PIPING, ABOVE GROUND: COPPER, TYPE L, ASTM B 88M, SOLDER FITTINGS. FLUSH CLEAN AND DISINFECT.
21. SANITARY WASTE AND VENT PIPING: SCHEDULE 40 PVC, DWV, ASTM D2665. FITTINGS SHALL BE PVC WITH SOLVENT WELD JOINTS WITH ASTM D 2564 SOLVENT CEMENT. MATCH PIPING MATERIAL WHERE CONNECTING TO EXISTING.
22. INSTALL CLEANOUTS IN ACCORDANCE WITH VIRGINIA PLUMBING CODE. CLEANOUTS SHALL BE SAME MATERIAL AS DRAIN PIPING. LOCATE AT CHANGES OF DIRECTION GREATER THAN 45 DEGREES IN HORIZONTAL RUNS, AT BASE OF STACKS, AND NEAR THE JUNCTION OF THE BUILDING DRAIN AND THE BUILDING SEWER.
23. ISOLATION VALVES FOR WATER PIPING SHALL BE MATCO-NORCA 759LF QUARTER TURN BALL VALVES, MSS SP-110, CLASS 150 WITH LEVER HANDLE AND THREADED ENDS. SOLDERED ENDS SHALL NOT BE USED.
24. PROVIDE SURESEAL TRAP SEALER IN ALL FLOOR DRAINS, TRENCH DRAINS, AND HUB DRAINS.
25. WATER HAMMER ARRESTERS: ASSE 1010, INSTALLED WHERE INDICATED AND IN LOCATION CONCEALED FROM PUBLIC VIEW. PROVIDE ACCESS TO WATER HAMMER ARRESTER.
26. INSULATE ALL NEW WATER PIPING WITH FIBERGLASS PIPE WRAP WITH ALL SERVICE VAPOR BARRIER JACKET. REPAIR EXISTING PIPE INSULATION WHERE DAMAGED DURING THIS PROJECT. FLAME SPREAD/SMOKE DEVELOPED INDEX OF 25/50 MAXIMUM, K-VALUE OF 0.24. FOR HW PIPES LESS THAN 1.5" DIA. - 1" THICK. FOR CW PIPES LESS THAN 1.5" DIA. - 1/2" THICK. SEAL COLD WATER PIPE INSULATION WITH VAPOR BARRIER MASTIC. INSULATION SHALL BE CONTINUOUS AT HANGERS WITH RIGID BLOCKS AND GALVANIZED INSULATION SHIELDS.
27. PLUMBING FIXTURES SHALL BE WHITE VITREOUS CHINA UNLESS INDICATED OTHERWISE AND SHALL BE IN COMPLIANCE WITH ASME 112.18, ASME A112.19.2 AND ANSI A117.1, AND MEET ADA REQUIREMENTS WHERE REQUIRED. INSTALL PER MANUFACTURER'S INSTRUCTIONS AND CAULK TO WALL AND FLOOR SURFACES WITH COLOR TO MATCH FIXTURE. FURNISH AND INSTALL FIXTURES COMPLETE WITH ALL TRIM INCLUDING SUPPLIES, CHROME ESCUTCHEONS, WASTE AND VENT CONNECTIONS, FITTINGS, CARRIERS, HANGERS AND SUPPORTS, BOLT CAPS, FAUCETS, VALVES AND TRAPS. ALL TRIM SHALL BE BRASS WITH POLISHED CHROME FINISH. TRAPS SHALL BE 17 GAUGE WITH CLEANOUT PLUG.
28. WATER SUPPLY TO FIXTURES TO INCLUDE CHROME ESCUTCHEONS, BRASSCRAFT KTR19 ANGLE SUPPLY VALVE WITH QUARTER-TURN LOOSE KEY. FLEXIBLE SUPPLIES TO BE CHROME PLATED COPPER TUBE RISERS OR BRAIDED STAINLESS STEEL.
29. PROVIDE CHROME ESCUTCHEONS AT PIPE PENETRATIONS OF WALLS AND FLOORS.
30. SHEET METAL DUCTWORK AND FITTING CONSTRUCTION SHALL COMPLY WITH SMACNA STANDARDS.
31. LABEL WATER PIPES PER ASME A13.1. LABEL DIRECTION OF FLOW.
32. VERIFY AND DEMONSTRATE TO OWNER THE OPERATION OF ALL EQUIPMENT AND CONTROLS.
33. PROVIDE ALL NECESSARY TESTS AND COORDINATE INSPECTIONS AND APPROVAL PER VA TECH REQUIREMENTS.

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|   |                |               |                 |                   |
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| DATE: 02-11-2026  | COMM No: 26-01 | DRAWN BY: DAR | CHECKED BY: JMM | STATE PROJECT No: |
| SCHEDULES & SPECIFICATIONS - MECHANICAL & PLUMBING                      |                |               |                 |                   |
| SPECIAL PURPOSE HOUSING UNIT 67G FIRST FLOOR RENOVATIONS BLACKSBURG, VA |                |               |                 |                   |



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 540-344-5513

# ELECTRICAL LEGEND

# GENERAL NOTES

- LIGHTING FIXTURE, RECESSED, SURFACE OR PENDANT CEILING MOUNTED. N INDICATES NIGHT LIGHT (TYP). COORDINATE WITH OWNER FOR DESIRED NIGHT LIGHT LOCATIONS.
- EXIT LIGHTING FIXTURE, SURFACE CEILING MOUNTED, DIRECTIONAL ARROWS AS INDICATED. VR SUBSCRIPT INDICATES VANDAL RESISTANT.
- EXIT LIGHTING FIXTURE, SURFACE WALL MOUNTED, DIRECTIONAL ARROWS AS INDICATED.
- FURNITURE WHIPS UNLESS INDICATED OTHERWISE, FOR FURNITURE WHIPS PROVIDE DATA AND POWER
- QUAD-PLEX WALL RECEPTACLE
- DUPLEX WALL RECEPTACLE, MOUNTING HEIGHT = 2'-0", EXCEPT 'C' SUBSCRIPT INDICATES MOUNTING IN CASEWORK(TYP). 'GF' SUBSCRIPT INDICATES GROUND FAULT, 'WP' SUBSCRIPT INDICATES WEATHERPROOF, 'EWC' SUBSCRIPT INDICATES GROUND FAULT BEHIND ELECTRIC WATER COOLER. '\*' INDICATES MOUNTING HEIGHT = 8" ABOVE COUNTER(TYP). 'TV' INDICATES COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL PLANS FOR TV LOCATIONS.
- OCCUPANCY SENSOR, DUAL TECHNOLOGY
- EMERGENCY BATTERY UNIT
- CONDUCTORS IN CONDUIT CONCEALED IN CEILING OR WALL.
- BRANCH CIRCUIT HOME RUN TO PANELBOARD. NOTATION INDICATES PANELBOARD & BRANCH CIRCUIT CONNECTION.
- CONDUCTORS IN CONDUIT CONCEALED IN SLAB OR BELOW GRADE.
- CONDUCTORS IN CONDUIT TURNED UP.
- CONDUCTORS IN CONDUIT TURNED DOWN.
- INTEGRAL OCCUPANCY SENSOR SWITCH, MOUNTING HEIGHT = 4'-0" TO TOP.
- COMBINATION PHONE OUTLET AND DATA OUTLET. DATA SYSTEM OUTLET, MOUNTING HEIGHT = 1'-6" UNLESS INDICATED OTHERWISE. PROVIDE 1" CONDUIT FROM BOX TO ABOVE ACCESSIBLE CEILING. WHERE MOUNTED BESIDE COUNTER RECEPTACLE: MOUNT SAME HEIGHT AS RECEPTACLE, PROVIDE PULL CABLE IN 1" CONDUIT.

1. MECHANICAL EQUIPMENT IS SHOWN IN APPROXIMATE LOCATIONS. FOR EXACT LOCATIONS OF MECHANICAL EQUIPMENT AND PIPING, SEE MECHANICAL DRAWINGS. VERIFY LOCATION WITH MECHANICAL AND PROVIDE ALL CONDUIT AND WIRING TO OUTDOOR EQUIPMENT.
2. WHERE LIGHT SWITCHES ARE INDICATED TO BE MOUNTED BEHIND DOOR, MOUNT SUCH SWITCHES A MINIMUM OF 3'-9" FROM HINGED SIDE.
3. REVISE PANELBOARD SCHEDULES ON PANEL DIRECTORIES TO REFLECT FINAL INSTALLATION CONDITIONS.
4. LOCATE ALL RACEWAYS TO AVOID INTERFERENCE WITH DUCTS, PIPES, MECHANICAL EQUIPMENT, WITH REMOVAL OF CEILING TILES, OR WITH ACCESS TO EQUIPMENT WHICH REQUIRES PERIODIC ADJUSTMENT OR MAINTENANCE.
5. PROVIDE NAMEPLATES ON THE EXTERIOR OF ALL ELECTRICAL PANELS AND ENCLOSURES WITH THE DEVICE ID, RATING, POWER SOURCE AND INSTALLATION DATE AND BY WHICH SWITCH OR STARTER.
6. COUNTER AND TOILET RECEPTACLES TO BE GFI AND COUNTER HEIGHT EXCEPT WHERE NOTED. REFRIGERATOR RECEPTACLE TO BE 36" AFF.
7. LIGHT FIXTURE TYPE IS SHOWN ONLY ONCE AS TYPICAL FOR THE ENTIRE ROOM UNLESS SPECIFICALLY INDICATED OTHERWISE.
8. UNLESS INDICATED OTHERWISE, SIZE CONDUITS IN ACCORDANCE WITH NFPA 70.
9. COORDINATE WITH THE MECHANICAL CONTRACTOR TO ENSURE ALL WORKING CLEARANCE AND DEDICATED WORKING SPACE OF PANELBOARDS.
10. COORDINATE ELECTRICAL INSTALLATION WITH ALL CASEWORK TO BE INSTALLED. PROVIDE THE NECESSARY JUNCTION BOXES FOR ALL POWER AND DATA CONNECTIONS INDICATED.
11. GROUNDING CONDUCTORS ARE NOT INDICATED IN BRANCH CIRCUIT RACEWAYS. PROVIDE GROUND CONDUCTORS AS REQUIRED BY NEC.
12. OCCUPANCY SENSORS SHOULD CONTROL ALL LIGHTING IN ROOMS, BOTH INBOARD AND OUTBOARD SWITCHING WHERE APPLICABLE, UNLESS INDICATED OTHERWISE.
13. PROVIDE LABELS ON ALL RECEPTACLE INDICATING PANEL AND CIRCUIT FEEDING EACH DEVICE.

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**EXISTING PANEL B**

VOLTAGE: 208Y/120 PHASE: 1 BUS AMPS: 200A  
WIRE: 3 MAIN BREAKER AMPS: 200A

| CKT NO.         | BRKR | WIRE NO. | WIRE SZ. | CIRCUIT DESCRIPTION | LOAD - KVA |     |     |      | CKT NO.              | BRKR | WIRE NO. | WIRE SZ. | CIRCUIT DESCRIPTION | LOAD - KVA |     |     |      |
|-----------------|------|----------|----------|---------------------|------------|-----|-----|------|----------------------|------|----------|----------|---------------------|------------|-----|-----|------|
|                 |      |          |          |                     | PHA        | PHB | PHC | 3 PH |                      |      |          |          |                     | PHA        | PHB | PHC | 3 PH |
| 1               | 1    | 20       |          | GFI RM 107          |            |     |     |      | 2                    | 1    | 20       |          | GFI RM 105          |            |     |     |      |
| 3               | 1    | 20       |          | GFI RM 108          |            |     |     |      | 4                    | 1    | 20       |          | GFI RM 106          |            |     |     |      |
| 5               | 1    | 20       |          | GFI RM 103          |            |     |     |      | 6                    | 1    | 20       |          | GFI RM 101          |            |     |     |      |
| 7               | 1    | 20       |          | GFI MENS RR         |            |     |     |      | 8                    | 1    | 20       |          | GFI WOMENS RR       |            |     |     |      |
| 9               | 1    | 20       |          | GFI KITCHEN         |            |     |     |      | 10                   | 1    | 20       |          | GFI KITCHEN         |            |     |     |      |
| 11              | 1    | 20       |          | LTG RM 201,203      |            |     |     |      | 12                   | 1    | 20       |          | EF-11 FAN CHPT      |            |     |     |      |
| 13              | 1    | 20       |          | LTG CORR. 2ND FLR   |            |     |     |      | 14                   | 1    | 20       |          | WEATHERPROOF        |            |     |     |      |
| 15              | 1    | 20       |          | GFI KITCHEN         |            |     |     |      | 16                   | 1    | 20       |          | GFI RM 212          |            |     |     |      |
| 17              | 1    | 20       |          | GFI RM 210          |            |     |     |      | 18                   | 1    | 20       |          | GFI RM 207          |            |     |     |      |
| 19              | 1    | 20       |          | GFI RM 205          |            |     |     |      | 20                   | 1    | 20       |          | GFI RM 208          |            |     |     |      |
| 21              | 1    | 20       |          | GFI RM 206          |            |     |     |      | 22                   | 1    | 20       |          | GFI RM 203          |            |     |     |      |
| 23              | 1    | 20       |          | GFI RM 201          |            |     |     |      | 24                   | 1    | 20       |          | GFI RM 204          |            |     |     |      |
| 25              | 1    | 20       |          | GFI RM 202          |            |     |     |      | 26                   | 1    | 20       |          | GFI RM 211          |            |     |     |      |
| 27              | 1    | 20       |          | GFI RM 209          |            |     |     |      | 28                   | 1    | 20       |          | LTG PUMP/STOR       |            |     |     |      |
| 29              | 1    | 20       |          | LTG RM 105,107      |            |     |     |      | 30                   | 1    | 20       |          | LTG RM 106,108      |            |     |     |      |
| 31              | 1    | 20       |          | GARBAGE DISP        |            |     |     |      | 32                   | 1    | 20       |          | LTG TOILETS M&W     |            |     |     |      |
| 33              | 1    | 20       |          | LTG CORR. 1ST FLR   |            |     |     |      | 34                   | 1    | 20       |          | LTG RM 202,204      |            |     |     |      |
| 35              | 1    | 20       |          | LTG RM 101,103      |            |     |     |      | 36                   | 1    | 20       |          | LTG CHPT RM/KITCH   |            |     |     |      |
| 37              | 1    | 20       |          | LTG MULTIPUR. RM    |            |     |     |      | 38                   | 1    | 20       |          | LTGS EXITS          |            |     |     |      |
| 39              | 1    | 20       |          | LTG RM 209,211      |            |     |     |      | 40                   | 1    | 20       |          | LTG RM 210,212      |            |     |     |      |
| 41              | 1    | 20       |          | LTG RM 205,207      |            |     |     |      | 42                   | 1    | 20       |          | LTG RM 206,208      |            |     |     |      |
| TOTAL LEFT SIDE |      |          |          |                     | 0.0        | 0.0 | 0.0 | 0.0  | TOTAL RIGHT SIDE     |      |          |          |                     | 0.0        | 0.0 | 0.0 | 0.0  |
| TOTAL           |      |          |          |                     | 0.0        | 0.0 | 0.0 | 0.0  | TOTAL CONNECTED LOAD |      |          |          |                     | 0.0        |     |     |      |

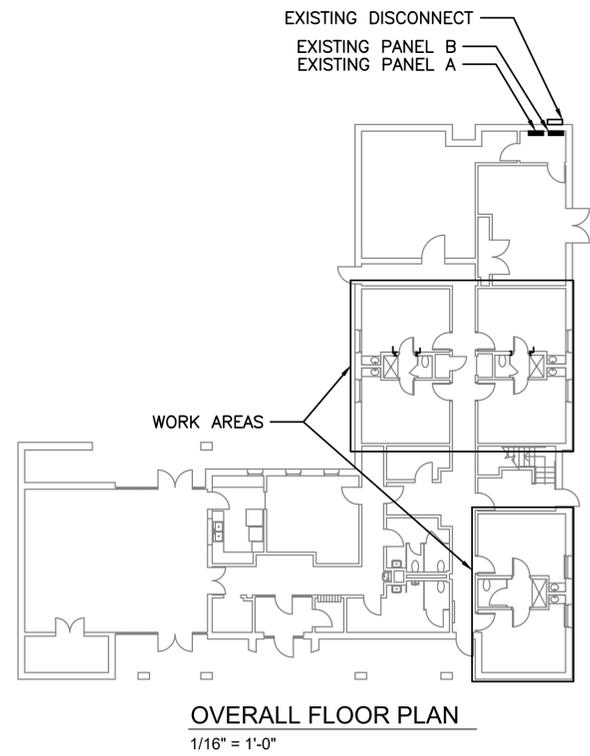
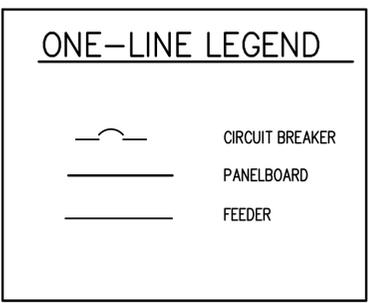
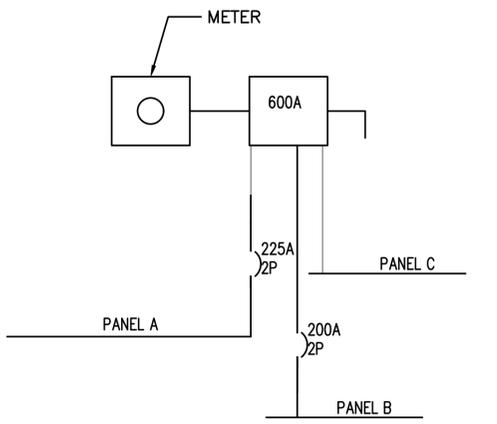
\* NOTES

**MODIFIED PANEL B**

VOLTAGE: 208Y/120 PHASE: 1 BUS AMPS: 200A  
WIRE: 3 MAIN BREAKER AMPS: 200A

| CKT NO.         | BRKR | WIRE NO. | WIRE SZ. | CIRCUIT DESCRIPTION | LOAD - KVA |     |     |      | CKT NO.              | BRKR | WIRE NO. | WIRE SZ. | CIRCUIT DESCRIPTION | LOAD - KVA |     |     |      |
|-----------------|------|----------|----------|---------------------|------------|-----|-----|------|----------------------|------|----------|----------|---------------------|------------|-----|-----|------|
|                 |      |          |          |                     | PHA        | PHB | PHC | 3 PH |                      |      |          |          |                     | PHA        | PHB | PHC | 3 PH |
| 1               | 1    | 20       | 2        | GFI RM 107          | 0.2        |     |     |      | 2                    | 1    | 20       | 2        | GFI RM 105          | 0.2        |     |     |      |
| 3               | 1    | 20       | 2        | GFI RM 108          |            | 0.2 |     |      | 4                    | 1    | 20       | 2        | GFI RM 106          |            | 0.2 |     |      |
| 5               | 1    | 20       | 2        | GFI RM 103          |            |     | 0.2 |      | 6                    | 1    | 20       | 2        | GFI RM 101          |            |     | 0.2 |      |
| 7               | 1    | 20       |          | GFI MENS RR         |            |     |     |      | 8                    | 1    | 20       |          | GFI WOMENS RR       |            |     |     |      |
| 9               | 1    | 20       |          | GFI KITCHEN         |            |     |     |      | 10                   | 1    | 20       |          | GFI KITCHEN         |            |     |     |      |
| 11              | 1    | 20       |          | LTG RM 201,203      |            |     |     |      | 12                   | 1    | 20       |          | EF-11 FAN CHPT      |            |     |     |      |
| 13              | 1    | 20       |          | LTG CORR. 2ND FLR   |            |     |     |      | 14                   | 1    | 20       |          | WEATHERPROOF        |            |     |     |      |
| 15              | 1    | 20       |          | GFI KITCHEN         |            |     |     |      | 16                   | 1    | 20       |          | GFI RM 212          |            |     |     |      |
| 17              | 1    | 20       |          | GFI RM 210          |            |     |     |      | 18                   | 1    | 20       |          | GFI RM 207          |            |     |     |      |
| 19              | 1    | 20       |          | GFI RM 205          |            |     |     |      | 20                   | 1    | 20       |          | GFI RM 208          |            |     |     |      |
| 21              | 1    | 20       |          | GFI RM 206          |            |     |     |      | 22                   | 1    | 20       |          | GFI RM 203          |            |     |     |      |
| 23              | 1    | 20       |          | GFI RM 201          |            |     |     |      | 24                   | 1    | 20       |          | GFI RM 204          |            |     |     |      |
| 25              | 1    | 20       |          | GFI RM 202          |            |     |     |      | 26                   | 1    | 20       |          | GFI RM 211          |            |     |     |      |
| 27              | 1    | 20       |          | GFI RM 209          |            |     |     |      | 28                   | 1    | 20       |          | LTG PUMP/STOR       |            |     |     |      |
| 29              | 1    | 20       | 2        | LTG RM 105,107      |            |     | 0.1 |      | 30                   | 1    | 20       | 2        | LTG RM 106,108      |            |     | 0.1 |      |
| 31              | 1    | 20       |          | GARBAGE DISP        |            |     |     |      | 32                   | 1    | 20       |          | LTG TOILETS M&W     |            |     |     |      |
| 33              | 1    | 20       |          | LTG CORR. 1ST FLR   |            |     |     |      | 34                   | 1    | 20       |          | LTG RM 202,204      |            |     |     |      |
| 35              | 1    | 20       | 2        | LTG RM 101,103      |            |     | 0.2 |      | 36                   | 1    | 20       |          | LTG CHPT RM/KITCH   |            |     |     |      |
| 37              | 1    | 20       |          | LTG MULTIPUR. RM    |            |     |     |      | 38                   | 1    | 20       |          | LTGS EXITS          |            |     |     |      |
| 39              | 1    | 20       |          | LTG RM 209,211      |            |     |     |      | 40                   | 1    | 20       |          | LTG RM 210,212      |            |     |     |      |
| 41              | 1    | 20       |          | LTG RM 205,207      |            |     |     |      | 42                   | 1    | 20       |          | LTG RM 206,208      |            |     |     |      |
| TOTAL LEFT SIDE |      |          |          |                     | 0.2        | 0.2 | 0.5 | 0.0  | TOTAL RIGHT SIDE     |      |          |          |                     | 0.2        | 0.2 | 0.3 | 0.0  |
| TOTAL           |      |          |          |                     | 0.4        | 0.4 | 0.8 | 0.0  | TOTAL CONNECTED LOAD |      |          |          |                     | 1.5        |     |     |      |

\* ALL MODIFICATIONS ARE REUSING EXISTING CIRCUITS.



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**ELECTRICAL LEGEND, GENERAL NOTES AND ONE LINE DIAGRAM**

SPECIAL PURPOSE HOUSING UNIT 67G FIRST FLOOR RENOVATIONS  
BLACKSBURG, VA

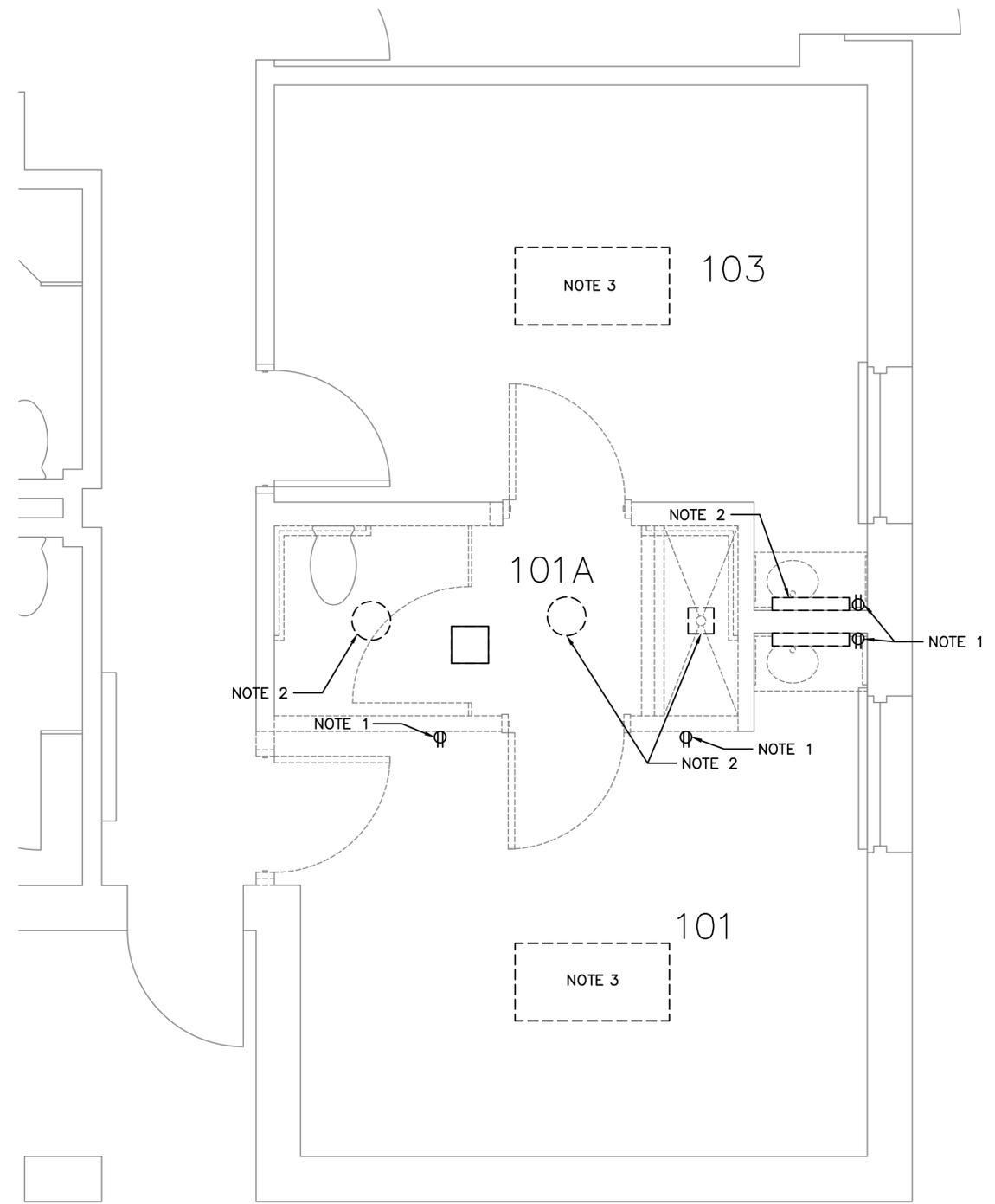
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EXISTING ONE-LINE DIAGRAM



**ELECTRICAL DEMOLITION PLAN - ROOMS 101 & 103**  
 1/2" = 1'-0"

**DEMOLITION NOTES:**

1. REMOVE EXISTING RECEPTACLE. RETAIN EXISTING CIRCUIT FOR REUSE.
2. REMOVE EXISTING LIGHTING SCHEDULED FOR DEMOLITION. RETAIN EXISTING CIRCUIT FOR REUSE.
3. CONTRACTOR SHALL REPLACE ALL EXISTING LIGHT FIXTURES. RETAIN EXISTING CIRCUIT FOR REUSE.

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| STATE PROJECT No: | DATE: 02-11-2026 |

**ELECTRICAL DEMOLITION PLAN -  
ROOMS 101 AND 103**

SPECIAL PURPOSE HOUSING UNIT 67G FIRST FLOOR RENOVATIONS  
BLACKSBURG, VA

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**E201**

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**ELECTRICAL DEMOLITION PLAN -  
 ROOMS 105, 106, 107 AND 108**  
 SPECIAL PURPOSE HOUSING UNIT 67G FIRST FLOOR RENOVATIONS  
 BLACKSBURG, VA

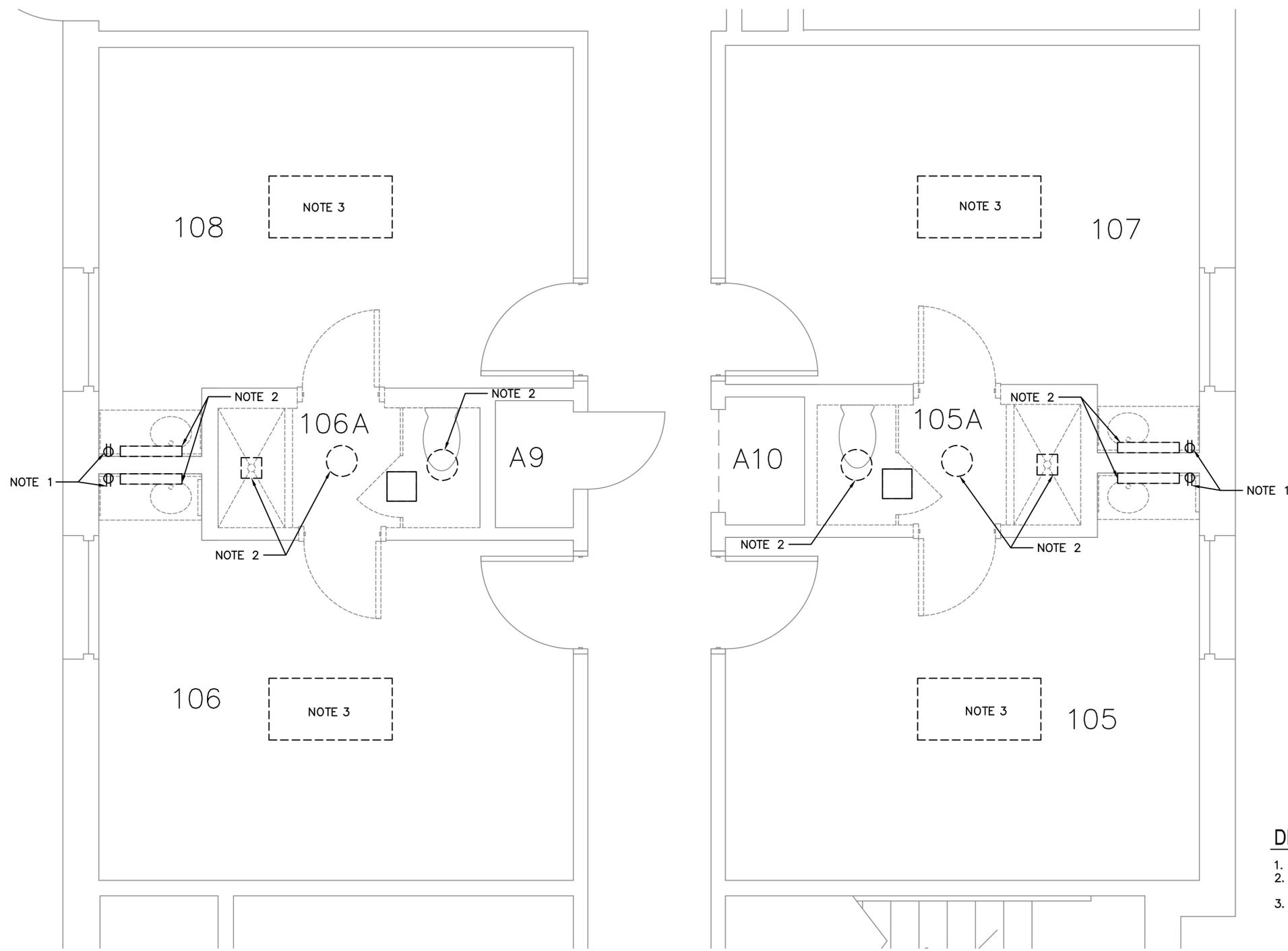
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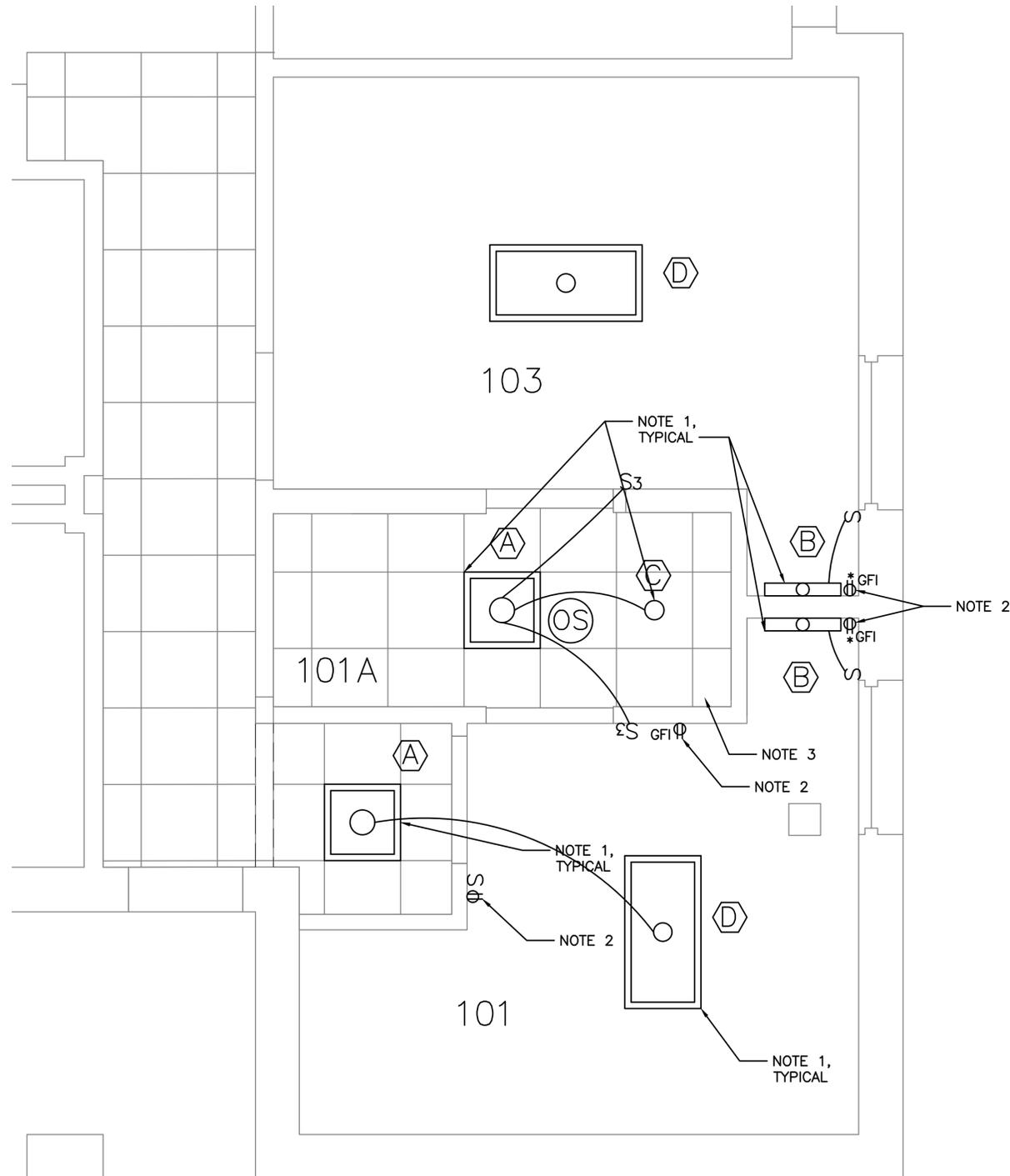
**E202**



**DEMOLITION NOTES:**

1. REMOVE EXISTING RECEPTACLE. RETAIN EXISTING CIRCUIT FOR REUSE.
2. REMOVE EXISTING LIGHTING SCHEDULED FOR DEMOLITION. RETAIN EXISTING CIRCUIT FOR REUSE.
3. CONTRACTOR SHALL REPLACE ALL EXISTING LIGHT FIXTURES. RETAIN EXISTING CIRCUIT FOR REUSE.

**ELECTRICAL DEMOLITION PLAN - ROOM 105, 106, 107 & 108**  
 1/2" = 1'-0"



**ELECTRICAL NEW WORK PLAN - ROOMS 101 & 103**  
 1/4" = 1'-0"

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| LIGHTING FIXTURE SCHEDULE |              |                                     |               |            |             |       |   |
|---------------------------|--------------|-------------------------------------|---------------|------------|-------------|-------|---|
| MARK                      | MANUFACTURER | MODEL NUMBER                        | INPUT VOLTAGE | LAMPS TYPE | TOTAL WATTS | MNTG. | REMARKS   |
| A                         | SATCO NUVO   | 65-571R1                            | MVOLT         | LED        | 40W         | REC   | 2'X2' BACKLIT FLAT PANEL, WATT AND CCT SELECTABLE |
| B                         | SATCO NUVO   | 62-1633                             | MVOLT         | LED        | 26W         | SURF  | 25" VANITY, CCT SELECTABLE                        |
| C                         | LITHONIA     | LDN6 35/25 L06                      | MVOLT         | LED        | 28.3        | REC   | 6" RECESSED DOWNLIGHT                             |
| D                         | LITHONIA     | 2X4AL06 SWW7 1E10WCP<br>2X4MKSH PAF | MVOLT         | LED        | 40.26       | REC   | 2'X4' CENTER ELEMENT SURFACE MOUNT KIT            |
|                           | LITHONIA     | EU2C                                |               |            |             | SURF  | EMERGENCY LIGHT WITH REMOTE HEADS                 |
|                           | LITHONIA     | EXR                                 |               |            |             | SURF  | EMERGENCY EXIT SIGN                               |

**CALCULATIONS:**

DEMOLISHED LIGHTING 99 WATTS  
 NEW LIGHTING: 160.3 WATTS  
 ADDITIONAL LOAD: 61.3 WATTS

ADDITIONAL 61.3 LIGHTING LOAD DOES NOT EXCEED 80% OF OVERCURRENT PROTECTION DEVICE RATING.

**NEW WORK NOTES:**

1. PROVIDE NEW LIGHTS IN LOCATIONS IDENTIFIED. RECONNECT LIGHTS TO EXISTING CIRCUITS.
2. PROVIDE NEW RECEPTACLE IN LOCATION IDENTIFIED. RECONNECT RECEPTACLE TO EXISTING CIRCUIT.
3. REPLACE ALL EXISTING ROMEX WIRING ABOVE CEILING THAT IS MODIFIED WITH THIS PROJECT.

**GENERAL NOTES:**

1. REMOVE AND REINSTALL DEVICES AND CIRCUITS AS REQUIRED TO ACCOMMODATE NEW WORK.

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**ELECTRICAL NEW WORK PLAN - ROOMS 101 AND 103**  
 SPECIAL PURPOSE HOUSING UNIT 67G FIRST FLOOR RENOVATIONS  
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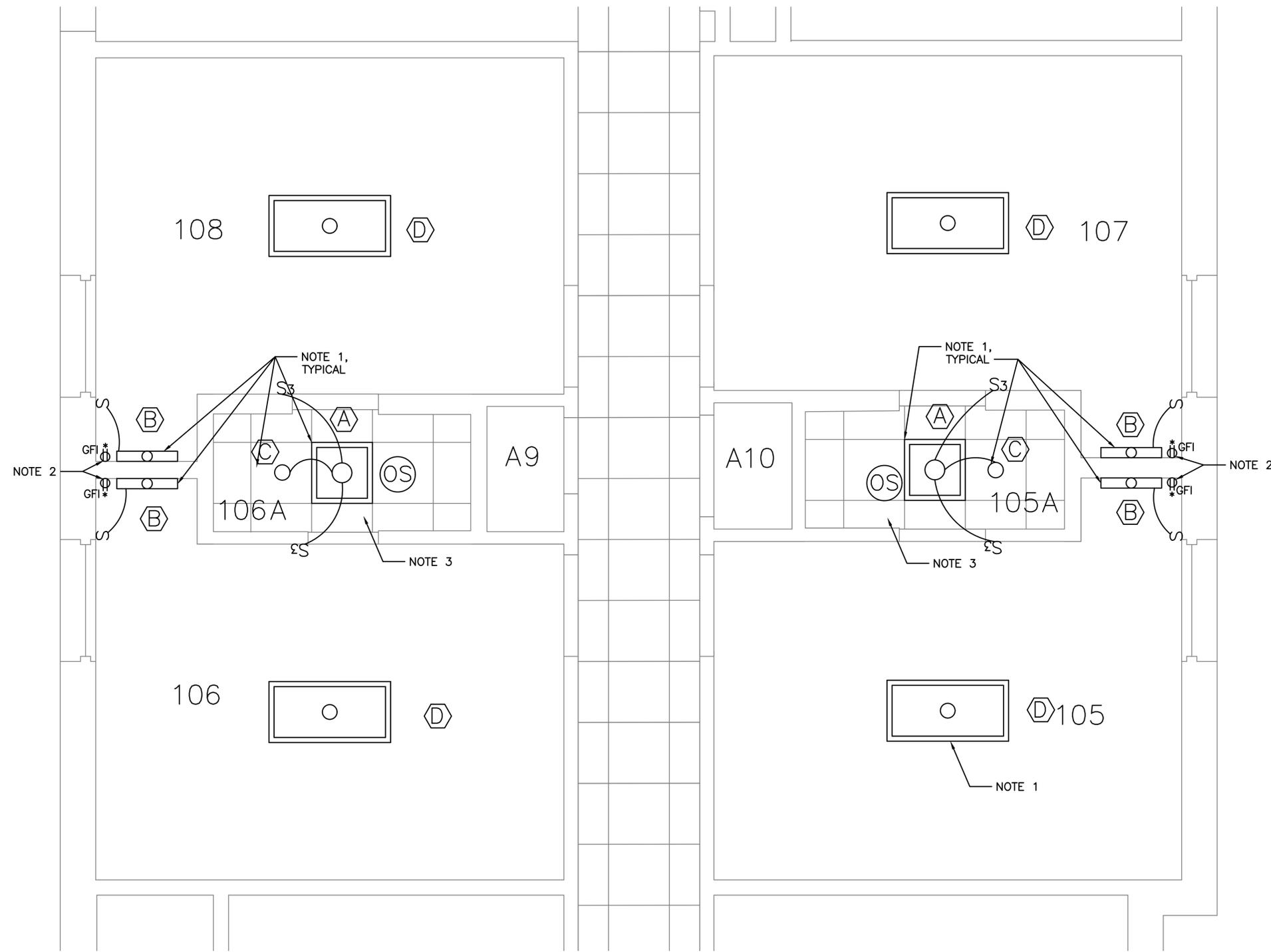
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**E301**

**ELECTRICAL NEW WORK PLAN -  
 ROOMS 105, 106, 107 AND 108**  
 SPECIAL PURPOSE HOUSING UNIT 67G FIRST FLOOR RENOVATIONS  
 BLACKSBURG, VA

UBO APPROVAL  

**LIGHTING CALCULATIONS 106 & 108:**

DEMOLISHED LIGHTING: 99 WATTS  
 NEW LIGHTING: 120.3 WATTS  
 ADDITIONAL LOAD: 21.3 WATTS  
 ADDITIONAL 21.3 LIGHTING LOAD DOES NOT EXCEED 80% OF  
 OVERCURRENT PROTECTION DEVICE RATING.

**LIGHTING CALCULATIONS 105 & 107:**

DEMOLISHED LIGHTING: 99 WATTS  
 NEW LIGHTING: 120.3 WATTS  
 ADDITIONAL LOAD: 21.3 WATTS  
 ADDITIONAL 21.3 LIGHTING LOAD DOES NOT EXCEED 80% OF  
 OVERCURRENT PROTECTION DEVICE RATING.

**NEW WORK NOTES:**

1. PROVIDE NEW LIGHTS IN LOCATIONS IDENTIFIED. RECONNECT LIGHTS TO EXISTING CIRCUITS.
2. PROVIDE NEW RECEPTACLE IN LOCATION IDENTIFIED. RECONNECT RECEPTACLE TO EXISTING CIRCUIT.
3. REPLACE ALL EXISTING ROMEX WIRING ABOVE CEILING THAT IS MODIFIED WITH THIS PROJECT.

**ELECTRICAL NEW WORK PLAN - ROOMS 105, 106, 107 & 108**  
 1/2" = 1'-0"

**95% UBO  
 SUBMITTAL**



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| REVISIONS | DESCRIPTION | DATE |
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| No.       | <           | <    |
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**E302**