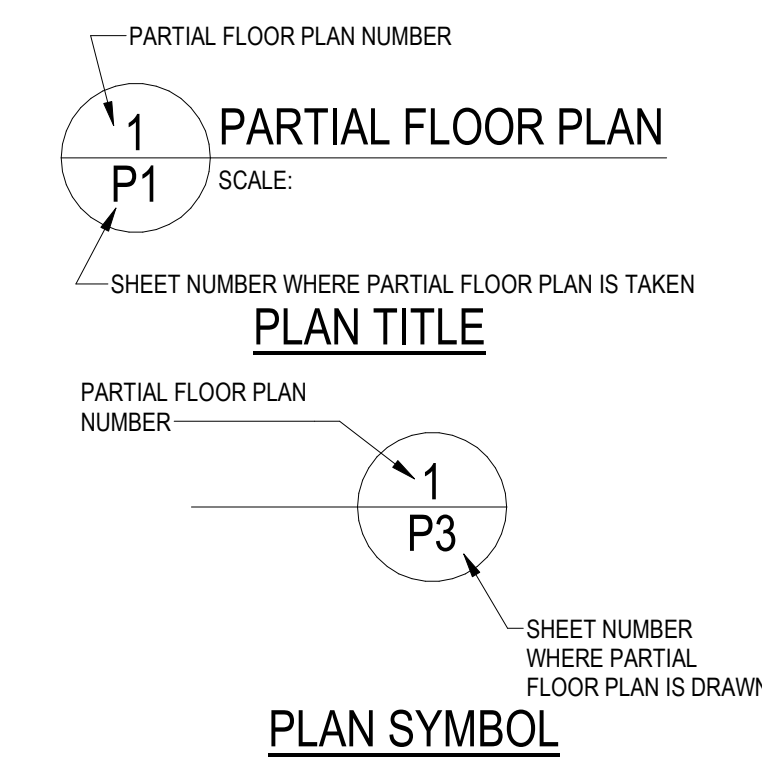
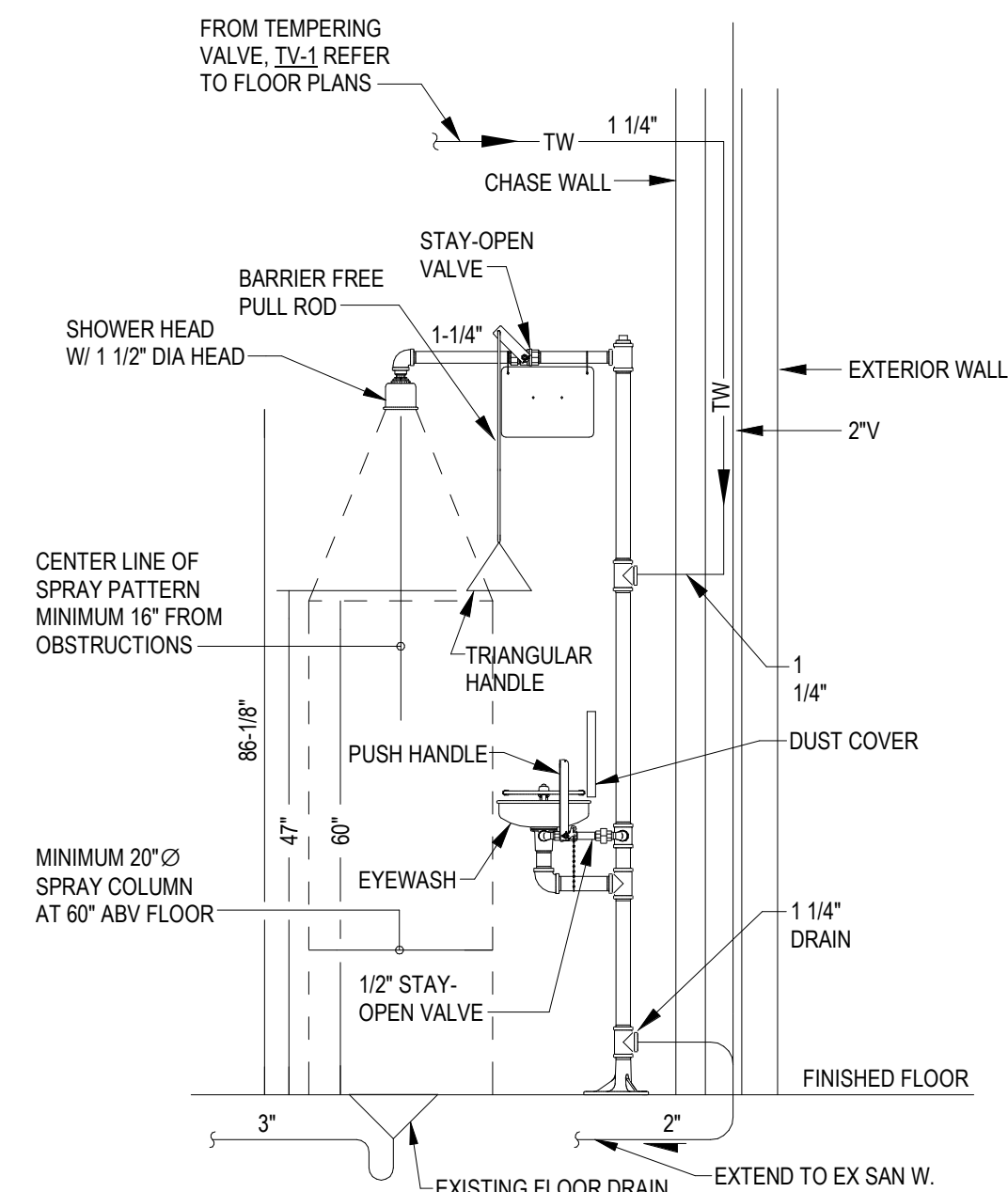


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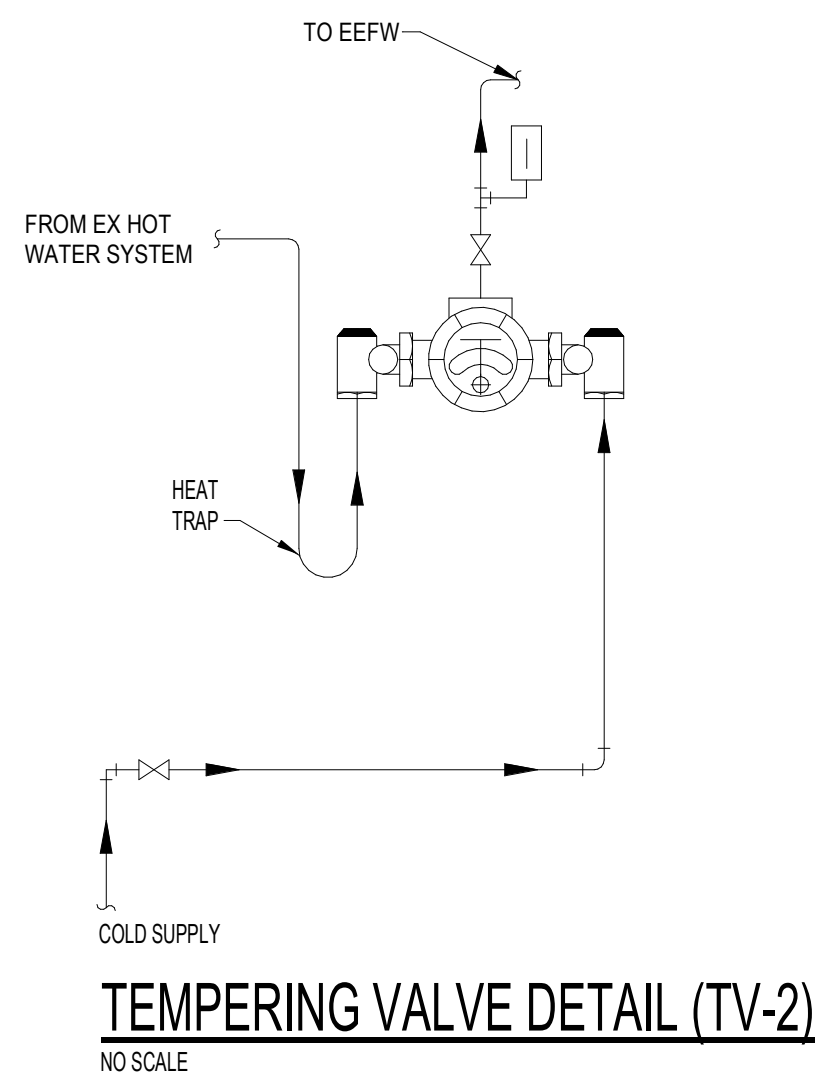


PARTIAL FLOOR PLAN IDENTIFICATION



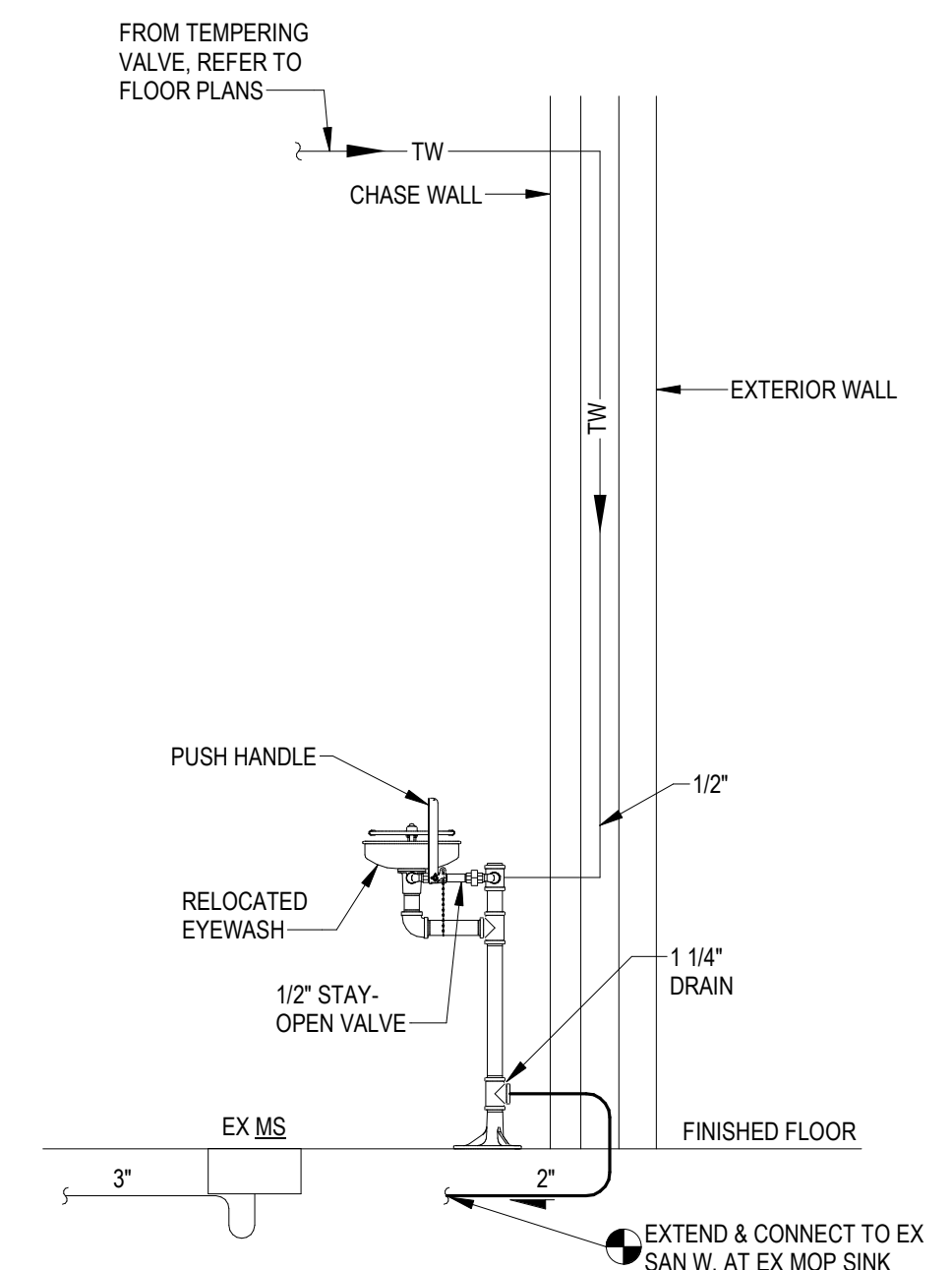
CONNECTIONS AT EMERGENCY EYEWASH/SHOWER EEWS

NO SCALE



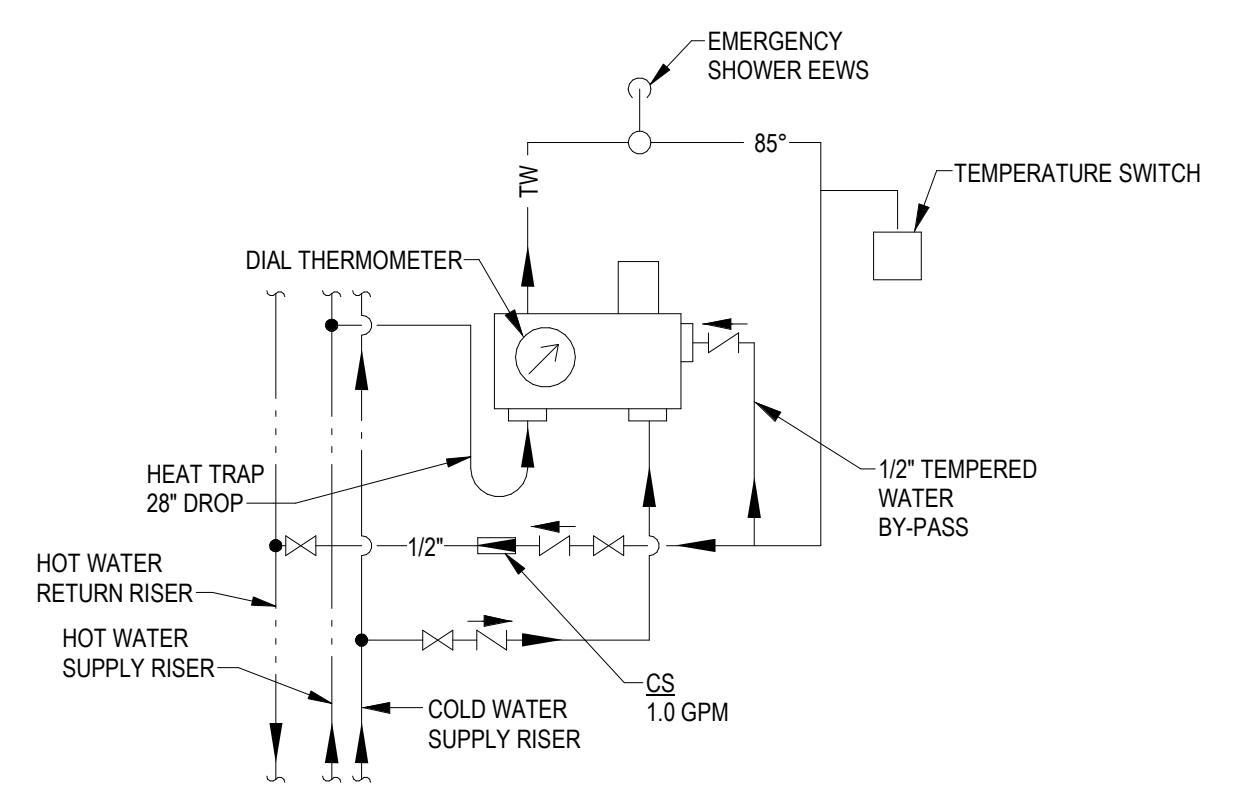
TEMPERING VALVE DETAIL (TV-2)

NO SCALE



CONNECTIONS AT EMERGENCY EYE/FACE WASH/EEFW RELOCATED

NO SCALE



EMERGENCY SHOWER EYEWASH EEWS (TV-1) TEMPERING SYSTEM

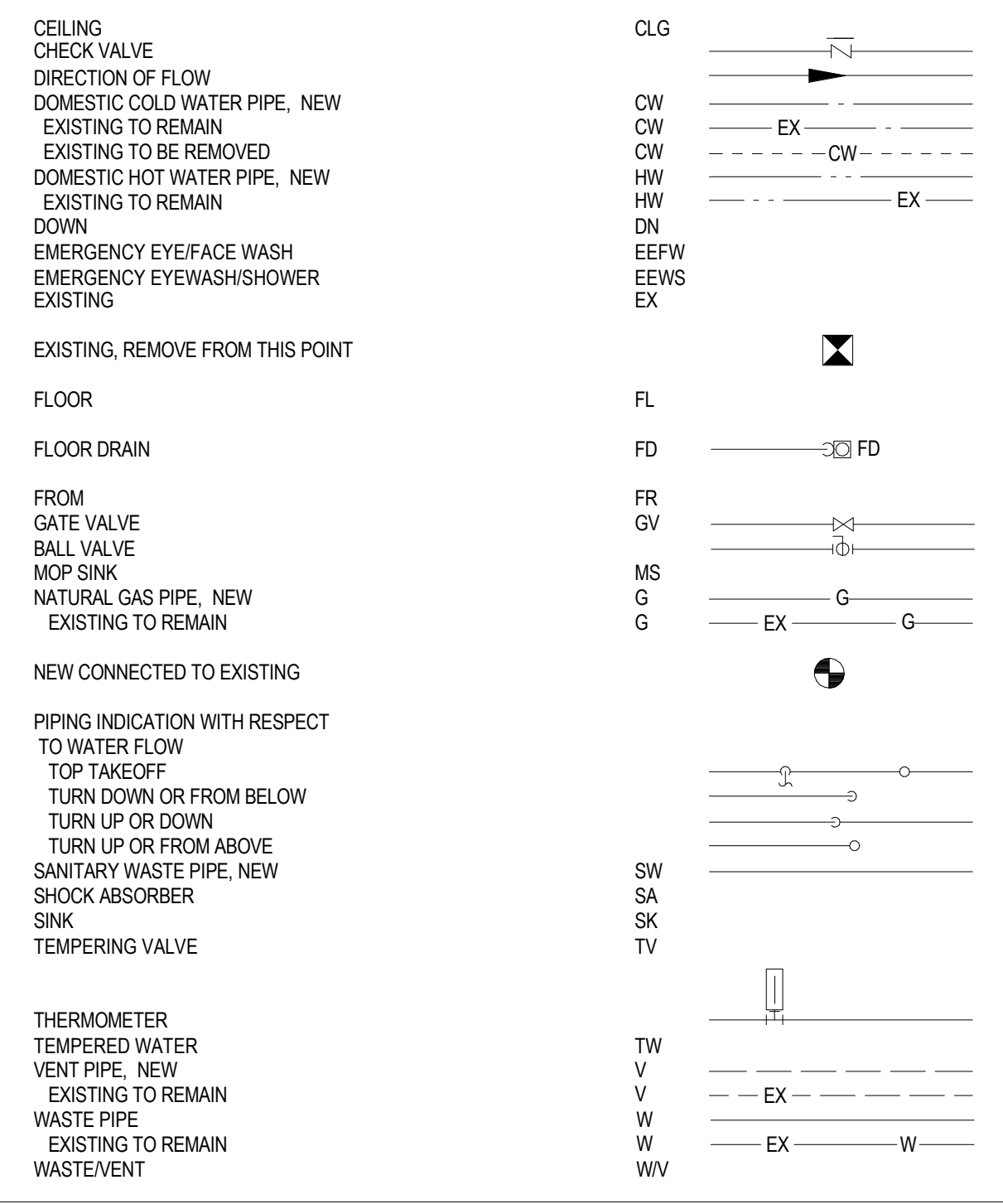
NO SCALE

BRADLEY NAVIGATOR S19-2250

GENERAL PLUMBING NOTES:

- MAKE PIPING CONNECTIONS AS REQUIRED TO ALL FIXTURES AND EQUIPMENT EVEN THOUGH ALL BRANCH MAINS, ELBOWS AND CONNECTIONS ARE NOT SHOWN.
- CHECK WITH ARCHITECTURAL WORKING DRAWING BEFORE ROUGHING-IN PLUMBING FIXTURES.
- ALL PIPES SHALL BE COORDINATED WITH OTHER NEW AND EXISTING DUCTS, PIPES, LIGHTS, STRUCTURAL SYSTEM, CEILING SUPPORTS AND FRAMING BEFORE INSTALLATION. MINOR PIPE OFFSETS SHALL BE PROVIDED AS REQUIRED. MEASUREMENTS FOR VERTICAL CLEARANCES SHALL BE TAKEN AT THE JOB SITE BEFORE INSTALLATION OF ANY PIPING.
- WASTE PIPE BELOW FLOOR, VENT PIPING ABOVE CEILING, PIPING OFFSET FOR CLARITY.
- DOMESTIC WATER PIPING SHALL BE INSTALLED ABOVE CEILINGS OR NEAR CEILING UNLESS NOTED OTHERWISE. DOMESTIC WATER PIPING SHOWN IN PIPE CHASE WALLS SHALL BE INSTALLED IN CHASE SPACE, PIPING OFFSET FOR CLARITY.
- DOMESTIC WATER PIPING SHALL NOT BE INSTALLED IN LOCATIONS SUBJECT TO FREEZING OR SPACES EXTERIOR TO BUILDING INSULATION.
- ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTRUCTIONS. COORDINATE HOT AND COLD WATER, SANITARY WASTE AND VENT PIPING AND ROUGH-IN INSTALLATION WITH ALL EQUIPMENT MANUFACTURER'S REQUIREMENTS.
- MATERIALS AND INSTALLATION SHALL COMPLY WITH LOCAL CODES, APPLICABLE PROVISIONS OF LATEST EDITION OF NATIONAL FIRE PROTECTION ASSOCIATION, LOCAL UTILITY REGULATIONS AND GOVERNMENTAL DEPARTMENTS HAVING JURISDICTION.
- WHERE PIPE CONNECTIONS ARE SHOWN CONNECTING TO EXISTING, CONTRACTOR SHALL DETERMINE EXACT LOCATIONS AND CONNECTION SIZES PRIOR TO INSTALLATION.
- LIMITS OF CONTRACT: DOMESTIC WATER SERVICE AND SANITARY WATER PIPING SHALL BE EXTENDED UNDER THIS SECTION OF THE SPECIFICATIONS TO POINTS WITHIN THE BUILDING LINES, UNLESS OTHERWISE INDICATED ON THE DRAWINGS. WHERE THE PIPES SHALL BE CAPPED OR PLUGGED AND LEFT READY FOR CONNECTION AND EXTENSION BY OTHERS, AND THE LOCATIONS MARKED WITH A STAKE OR OTHER APPROVED MEANS.
- INFORMATION ON EXISTING PLUMBING SHOWN WAS OBTAINED FROM PLANS DATED 11, 4, 1966. THE CONTRACTOR SHALL ADJUST WORK AS REQUIRED TO SUIT ACTUAL LOCATIONS IF DIFFERENT FROM CONTRACT DOCUMENTS.
- PIPING SHALL NOT BE INSTALLED ABOVE ELECTRICAL PANELS. COORDINATE INSTALLATION OF PIPES WITH ELECTRICAL PANELS WHEN SHOWN NEAR PANELS OR OVER ELECTRICAL ROOMS.

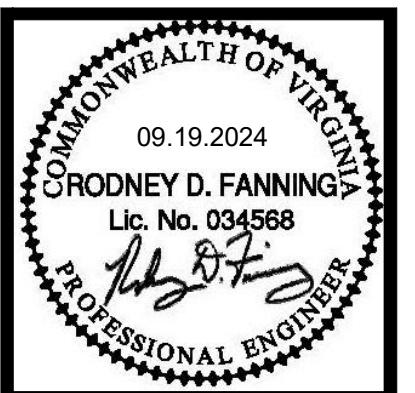
PLUMBING LEGEND



FIXTURE CONNECTION SCHEDULE

MARK	FIXTURE	WASTE	VENT	COLD	HOT	REMARKS
SK-1	SINK (DOUBLE COMPARTMENT)	1 1/2"	1 1/2"	1/2"	1/2"	COUNTER TOP
SK-2	SINK (DOUBLE COMPARTMENT)	1 1/2"	1 1/2"	1/2"	1/2"	COUNTER TOP, HANDICAPPED#
MS	MOP SINK	3"	1 1/2"	1/2"	1/2"	FLOOR MOUNTED
EEFW	EMERGENCY EYE/ FACE WASH	2"	-	1/2"	1/2"	BARRIER FREE
EEWS	EMERGENCY EYEWASH/ SHOWER	2"	-	1"	1"	BARRIER FREE

INSTALLATION SHALL MEET 2010 AMERICANS WITH DISABILITIES ACT (ADA) ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES.



**VIRGINIA TECH DERRING HALL
 GEOSCIENCES RENOVATION
 PLUMBING LEGEND, DETAILS AND
 NOTES**

No.	Date	Purpose of Document Issue

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Project No. **17533**



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Sheet No. **P001**

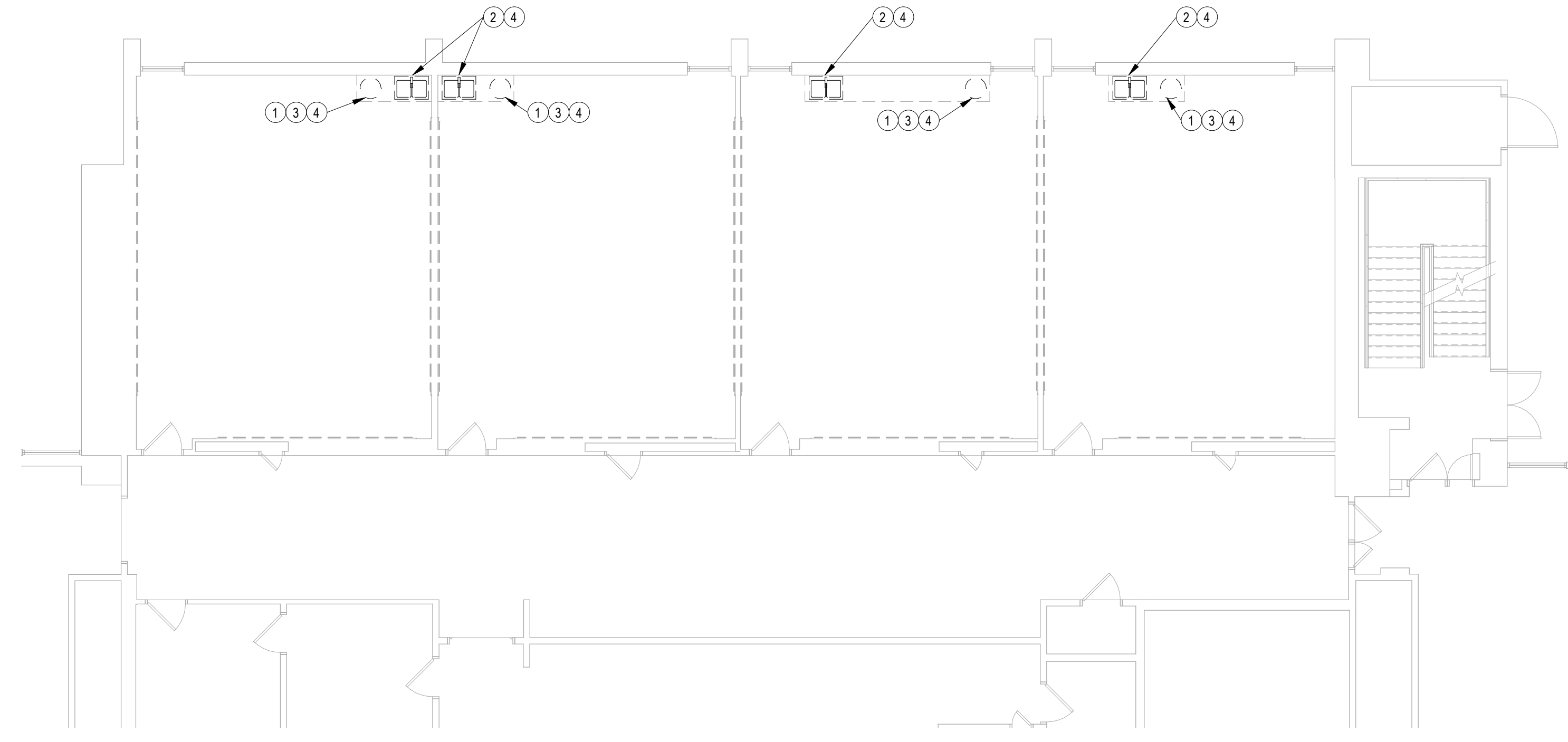
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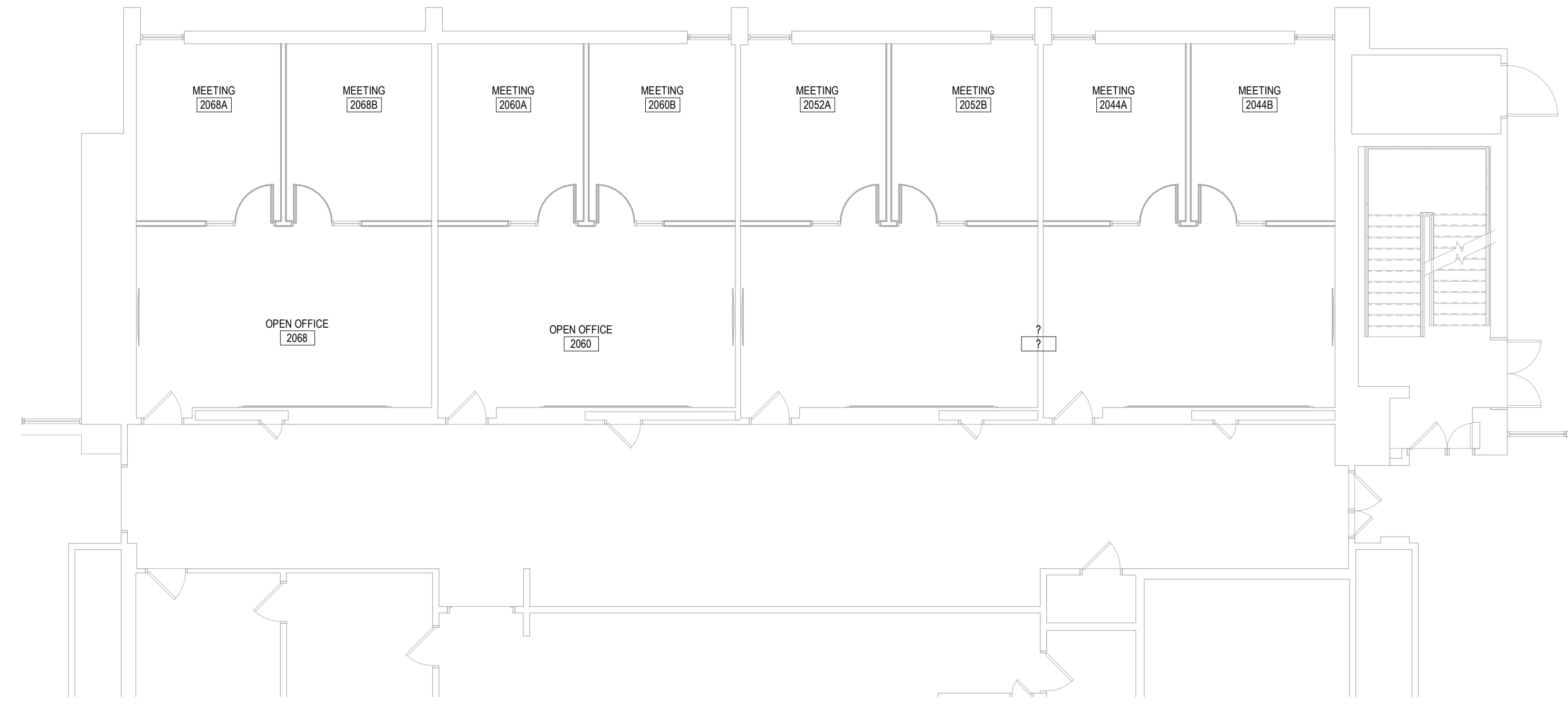
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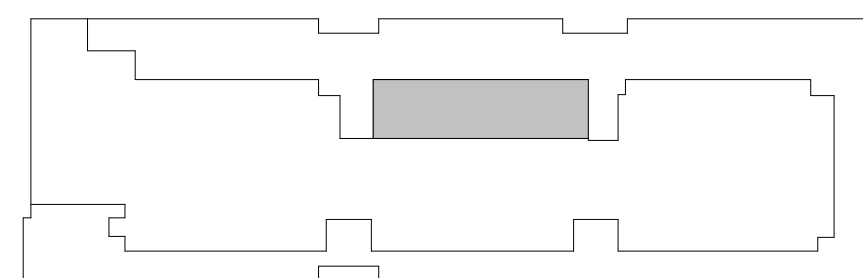
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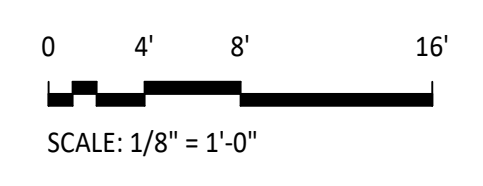
SECOND FLOOR DEMOLITION PLAN - PLUMBING
SCALE: 1/8" = 1'-0"



SECOND FLOOR NEW WORK PLAN - PLUMBING
SCALE: 1/8" = 1'-0"

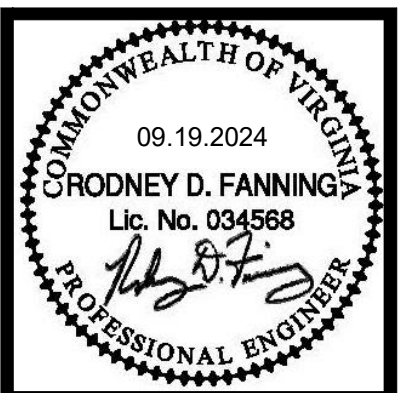


KEY PLAN



PLAN NOTES: ○

1. REMOVE EXISTING SEDIMENT TRAP AND DRAIN PIPING. CAP WASTE PIPING BELOW FLOOR.
2. REMOVE EXISTING SINK, FAUCET, P-TRAP AND HOT AND COLD WATER PIPING. CAP WATER PIPING BELOW FLOOR.
3. CAP VENT PIPING ABOVE CEILING.
4. PATCH FLOOR OR WALL TO MATCH EXISTING CONDITIONS.



**VIRGINIA TECH DERRING HALL
GEOSCIENCES RENOVATION
SECOND FLOOR DEMOLITION AND
NEW WORK PLANS - PLUMBING**

No.	Date	Purpose of Document Issue

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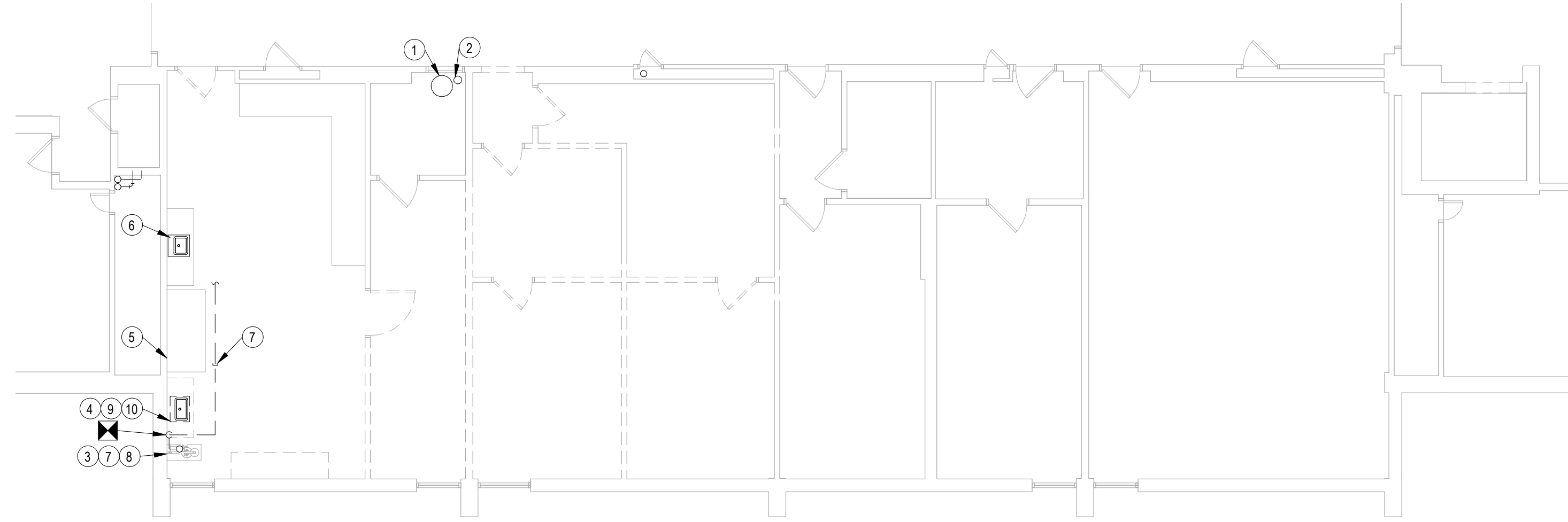


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Sheet No. **P101**

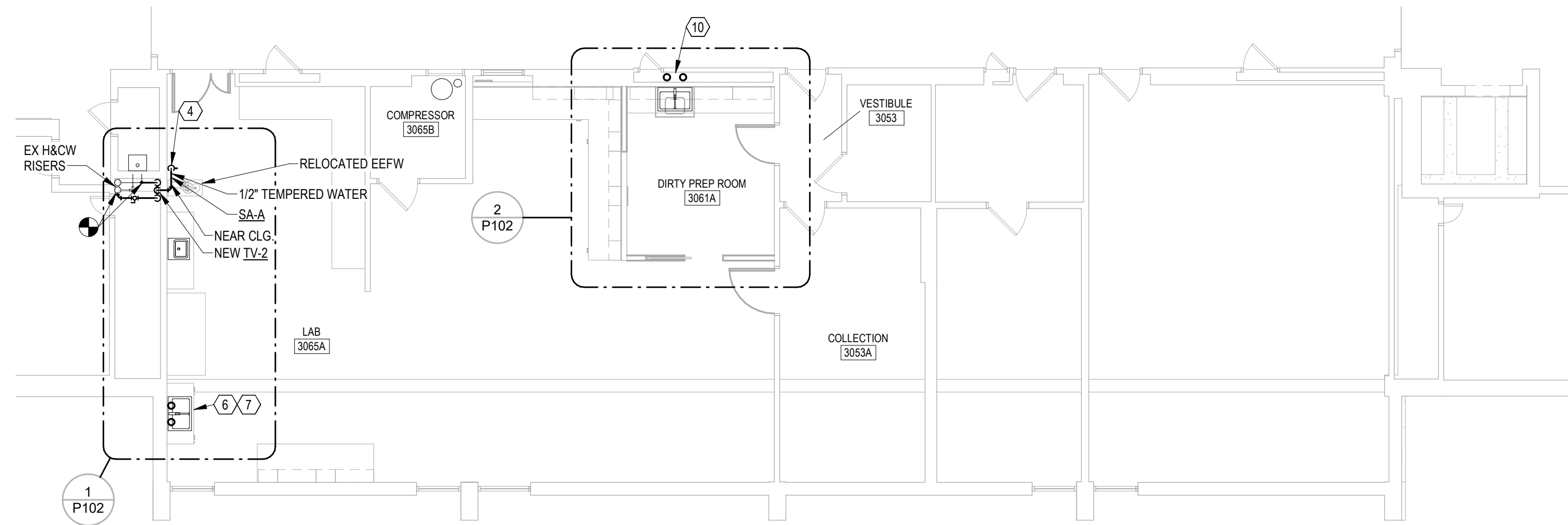
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VIRGINIA TECH UBO APPROVAL



THIRD FLOOR DEMOLITION PLAN - PLUMBING

SCALE: 1/8" = 1'-0"



THIRD FLOOR NEW WORK PLAN - PLUMBING

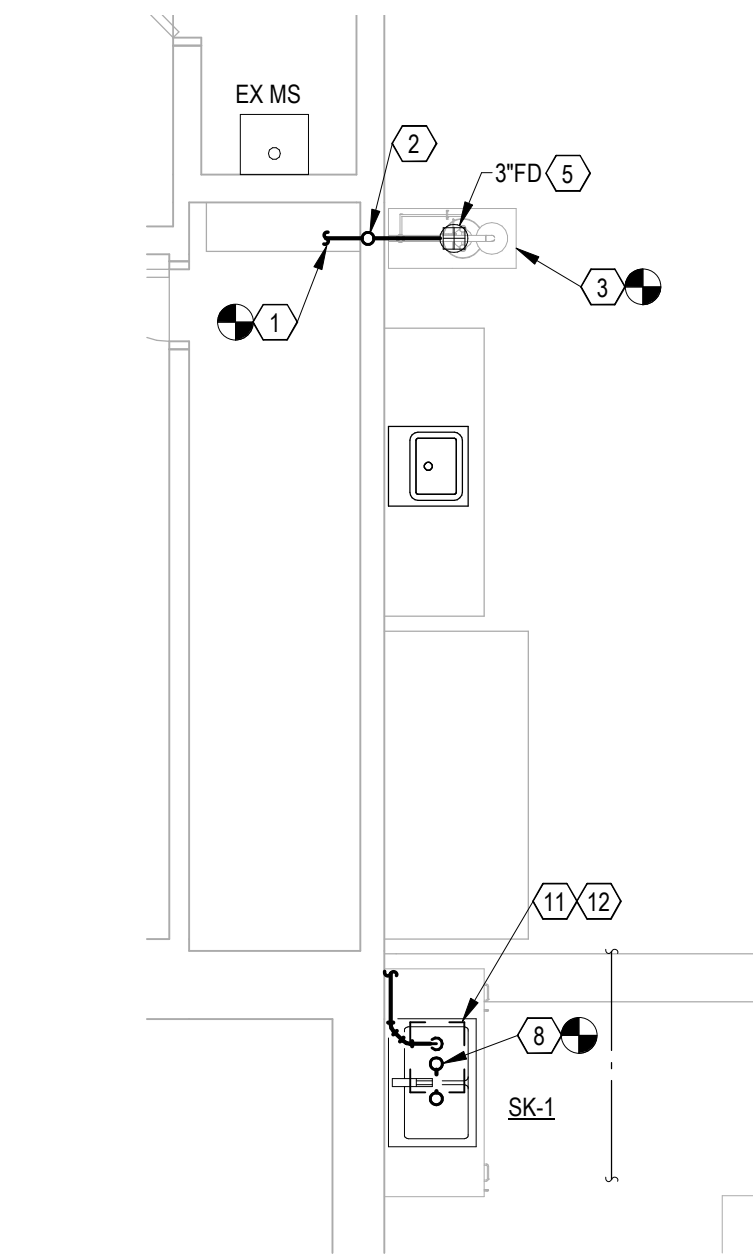
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DEMO PLAN NOTES:

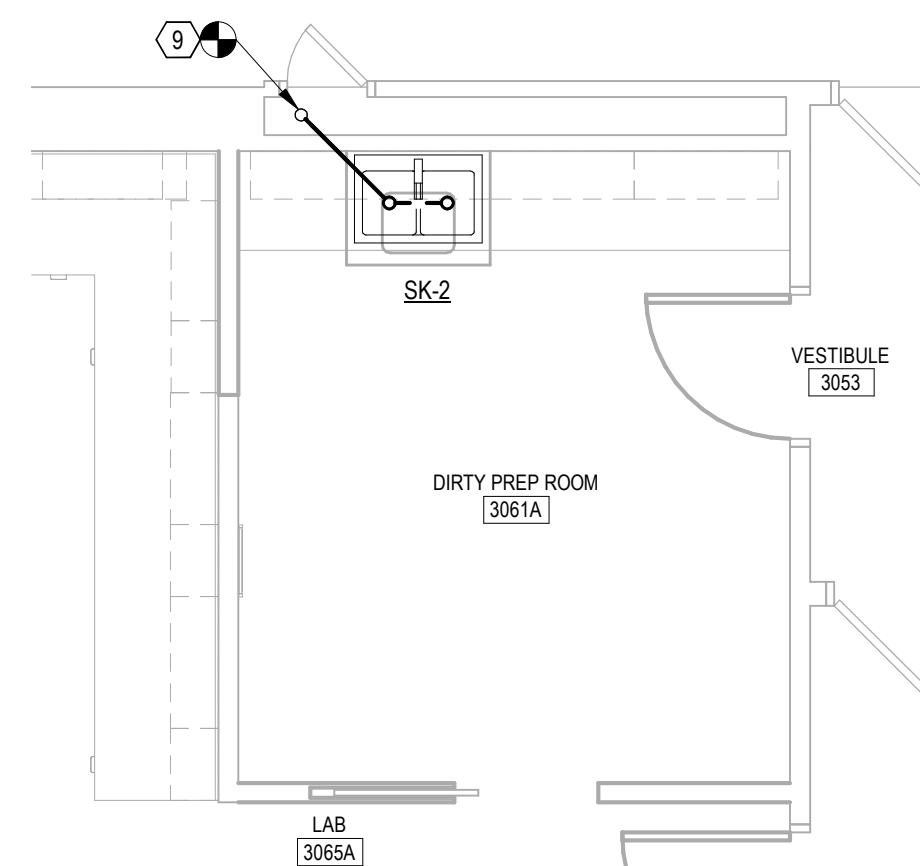
1. EXISTING AIR COMPRESSOR TO REMAIN.
2. EXISTING AIR FILTER/REGULATOR TO REMAIN.
3. EXISTING EYE/FACE WASH WITH DRAIN AND WATER TO BE RERELOCATED. SEE NEW WORK THIS SHEET.
4. EXISTING SINK, DECK MOUNTED HOT AND COLD WATER FAUCET WITH GLASS DRAIN TO BE REMOVED.
5. EXISTING HOOD WITH COLD WATER AND AIR TO REMAIN.
6. EXISTING SINK WITH STANDARD DRAIN, HOT AND COLD WATER WITH VACUUM BREAKER TO REMAIN.
7. REMOVE EXISTING WATER TO HIGH CEILING AND CAP.
8. REMOVE EXISTING FLOOR DRAIN TO BELOW FLOOR AND CAP. PATCH FLOOR TO MATCH EXISTING CONDITIONS.
9. REMOVE EXISTING HOT AND COLD WATER PIPING TO WITHIN WALL AND CAP FOR NEW WORK.
10. REMOVE EXISTING 1 1/4" DRAIN TO WITHIN WALL AND CAP FOR NEW WORK.

NEW WORK PLAN NOTES:

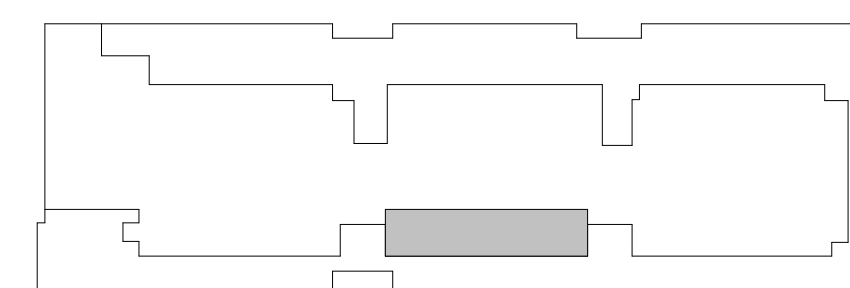
1. EXTEND NEW 3" SANITARY WASTE PIPING TO EXISTING SANITARY WASTE OF EQUAL SIZE OR LARGER.
2. NEW 2" VENT PIPING. EXTEND UP TO EXISTING VENT PIPING OF EQUAL SIZE OR LARGER.
3. RELOCATE EXISTING EYEFACE WASH.
4. 1/2" TEMPERED WATER DOWN TO EYE/FACE WASH. MAKE FINAL CONNECTIONS.
5. DISCHARGE 1-1/4" DRAIN OVER NEW 3"FD. TERMINATE 3 PIPE DIAMETERS ABOVE FLOOR DRAIN.
6. NEW OWNER PROVIDED LAB SINK AND CONTRACTOR PROVIDED FAUCET.
7. EXTEND NEW 1/2" HOT AND COLD WATER PIPING TO LAB SINK.
8. EXTEND NEW 1 1/4" DRAIN TO EXISTING CAPPED WASTE OUTLET.
9. EXTEND NEW 1 1/4" DRAIN TO EXISTING WASTE RISER.
10. EXTEND NEW 1/2" HOT AND COLD WATER PIPING TO EXISTING RISERS.
11. NEW ACID NEUTRALIZATION/DILUTION TANK.
12. PROVIDE ACID RESISTANT WASTE PIPING FROM SINK TO NEUTRALIZATION TANK. PROVIDE STANDARD WASTE PIPING FROM TANK TO EXISTING BUILDING WASTE PIPING.



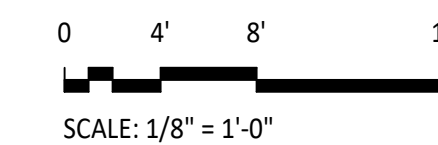
1 PARTIAL PLAN - PLUMBING
SCALE: 1/4" = 1'-0"



2 PARTIAL PLAN - PLUMBING
SCALE: 1/4" = 1'-0"



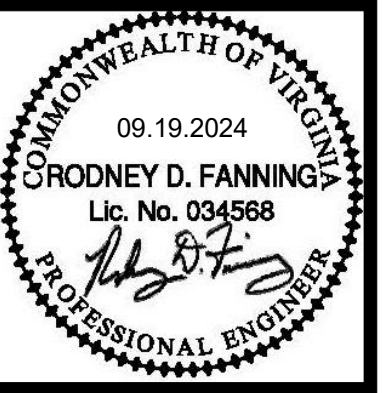
KEY PLAN



SCALE: 1/8" = 1'-0"

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VIRGINIA TECH UBO APPROVAL



VIRGINIA TECH DERRING HALL
GEOSCIENCES RENOVATION
THIRD FLOOR DEMOLITION AND NEW
WORK PLANS - PLUMBING

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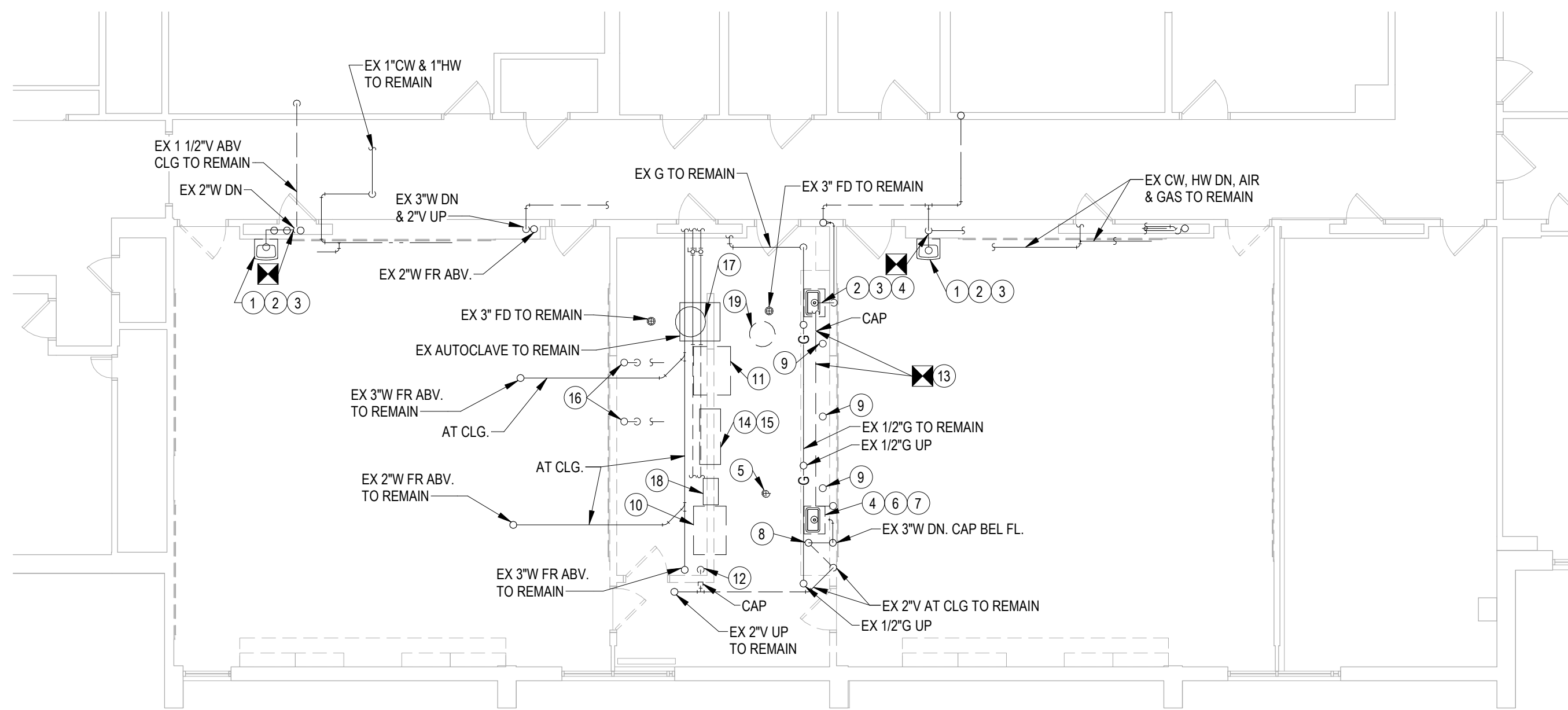
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Sheet No.
P102



FOURTH FLOOR DEMOLITION PLAN - PLUMBING

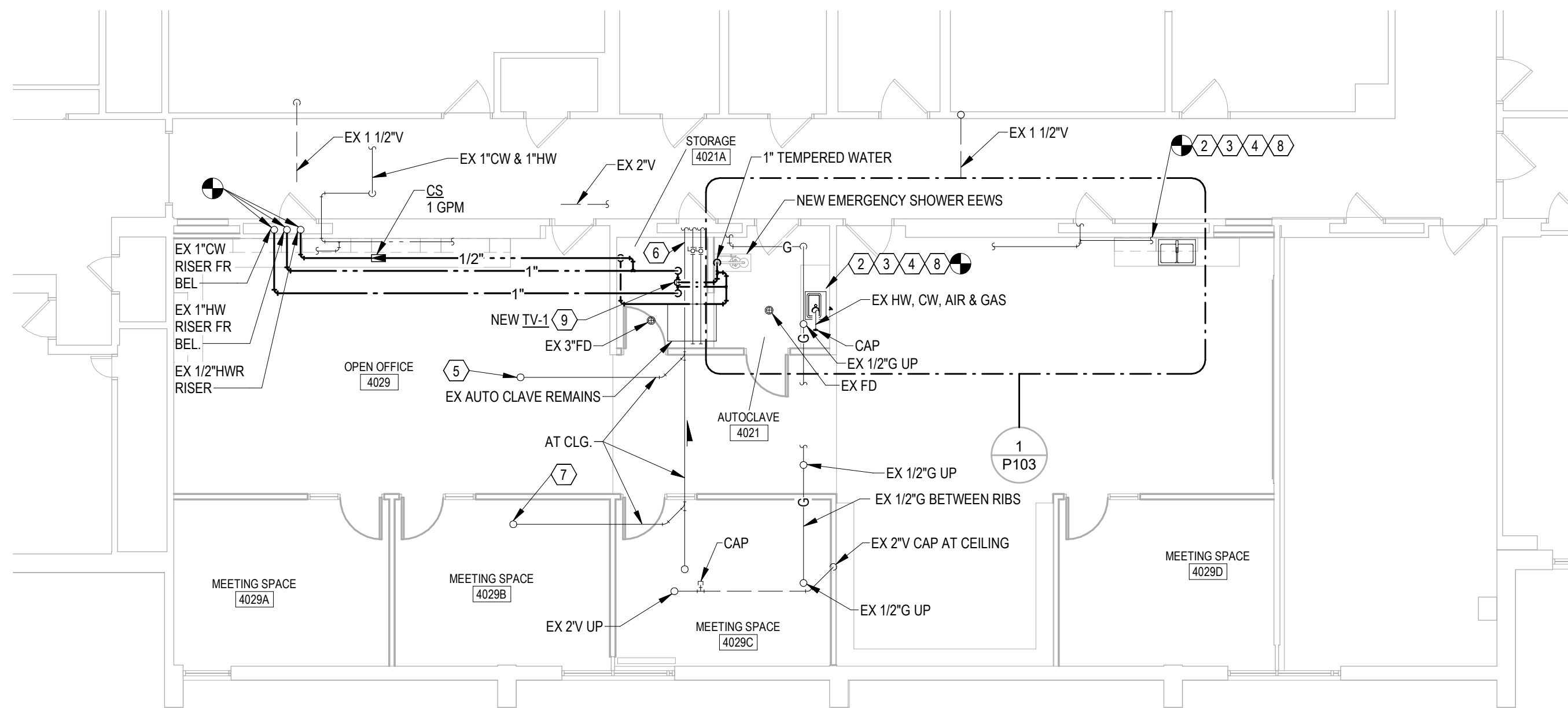
SCALE: 1/8" = 1'-0"

DEMO PLAN NOTES:

1. EXISTING HAND SINK WITH FAUCET AND STANDARD DRAIN TO BE REMOVED.
2. REMOVE EXISTING HOT AND COLD WATER PIPING TO WITHIN WALL AND CAP.
3. EXISTING 1 1/4" DRAIN TO BE REMOVED TO WITHIN WALL AND CAP.
4. EXISTING LAB SINK WITH FAUCETS AND DRAIN TO BE REMOVED.
5. EXISTING 3" FLOOR DRAIN TO BE REMOVED TO BELOW FLOOR & CAP. PATCH FLOOR TO MATCH EXISTING CONDITIONS.
6. EXISTING 1 1/4" DRAIN TO BE REMOVED TO BELOW FLOOR AND CAP.
7. REMOVE EXISTING HOT AND COLD WATER PIPING TO BELOW FLOOR AND CAP.
8. REMOVE EXISTING COUNTER MOUNTED EMERGENCY EYE/FACE WASH. REMOVE EXISTING COLD WATER PIPING TO BELOW FLOOR & CAP.
9. REMOVE EXISTING LAB GAS OUTLETS TO BELOW FLOOR & CAP.
10. REMOVE EXISTING PRECISION SCIENTIFIC EQUIPMENT.
11. REMOVE EXISTING DISHWASHER. REMOVE EXISTING DRAIN PIPING TO BELOW FLOOR AND CAP. REMOVE EXISTING HOT AND COLD WATER PIPING TO WITHIN THE NEW STORAGE RM 4021A AND CAP.
12. EXISTING 2" V DOWN TO BE REMOVED AND CAP.
13. REMOVE EXISTING COLD WATER, HOT WATER, AIR AND GAS PIPING BELOW COUNTER.
14. REMOVE EXISTING GLASS WAREWASHER. REMOVE EXISTING DRAIN TO BELOW FLOOR AND CAP. PATCH FLOOR TO MATCH EXISTING CONDITIONS. REMOVE ALL HOT & COLD WATER PIPING.
15. REMOVE EXISTING PIPING WHERE EXISTING WALL IS BEING REMOVED. CAP PIPING BELOW FLOOR. PATCH FLOOR TO MATCH EXISTING CONDITIONS.
16. EXISTING STEAM PIPING SHALL BE REMOVED OR RELOCATED. SEE MECHANICAL PLAN.
17. EXISTING BARNSTEAD ELECTRIC STILL ABOVE AUTOCLAVE SHALL REMAIN.
18. EXISTING ELECTRICAL PANEL TO BE REMOVED OR RELOCATED. SEE ELECTRICAL PLANS.
19. REMOVE EXISTING DRENCH SHOWER AND PIPING BACK TO RISER OR ACTIVE COLD WATER SERVICE LINE.

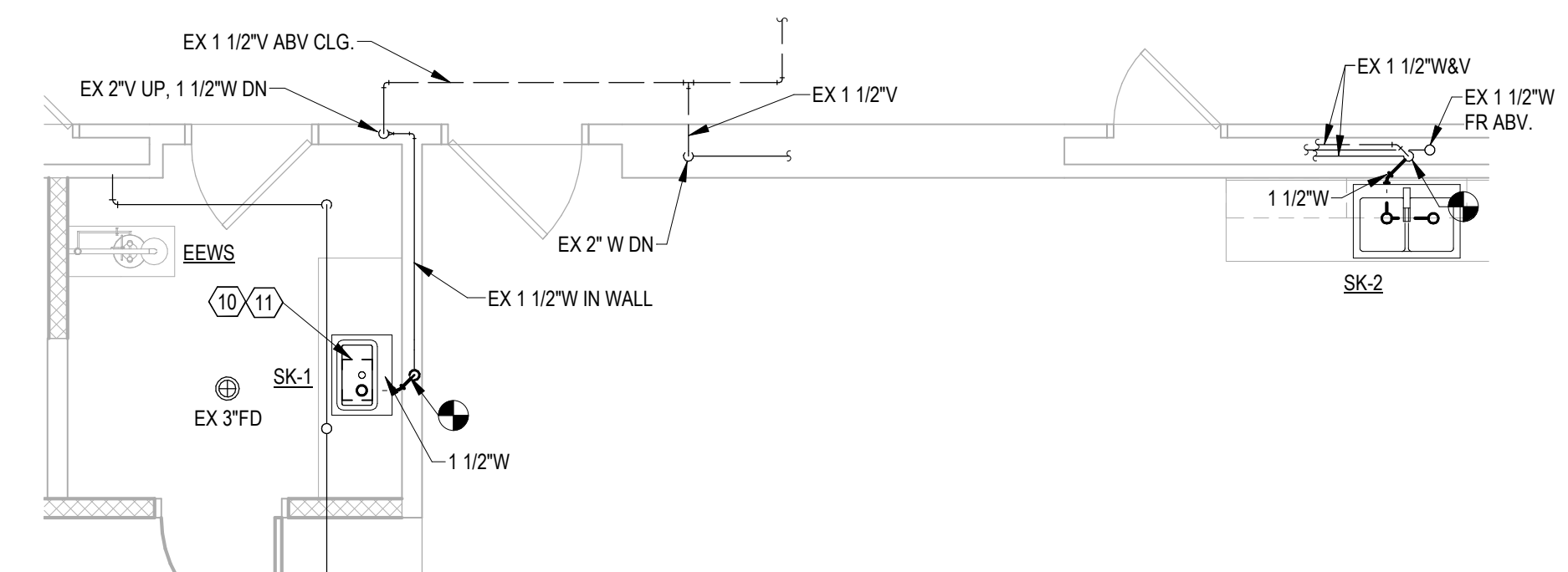
NEW WORK PLAN NOTES:

1. PROVIDE NEW EMERGENCY SHOWER/ EYE WASH.
2. NEW OWNER PROVIDED LAB SINK AND CONTRACTOR PROVIDED FAUCET.
3. EXTEND NEW 1/2" HOT AND COLD WATER PIPING TO LAB SINK.
4. EXTEND NEW DW WATER, AIR AND GAS PIPING TO LAB SINK.
5. EXISTING 3" WASTE FROM ABOVE.
6. EXISTING 3" WASTE AT CEILING.
7. EXISTING 2" WASTE FROM ABOVE.
8. PROVIDE NEW UNDER COUNTER TEMPERING VALVE TV-3.
9. LOCATE TEMPERING VALVE HIGH IN CEILING.
10. NEW ACID NEUTRALIZATION/DILUTION TANK.
11. PROVIDE ACID RESISTANT WASTE PIPING FROM SINK TO NEUTRALIZATION TANK. PROVIDE STANDARD WASTE PIPING FROM TANK TO EXISTING BUILDING WASTE PIPING.



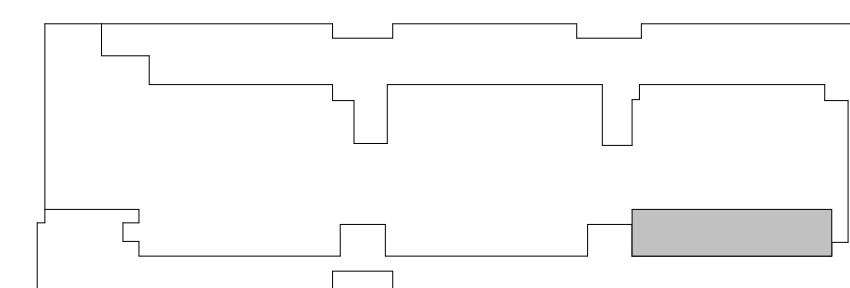
FOURTH FLOOR NEW WORK PLAN - PLUMBING

SCALE: 1/8" = 1'-0"

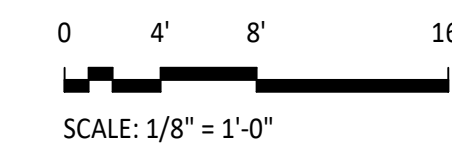


1 PARTIAL PLAN - PLUMBING

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

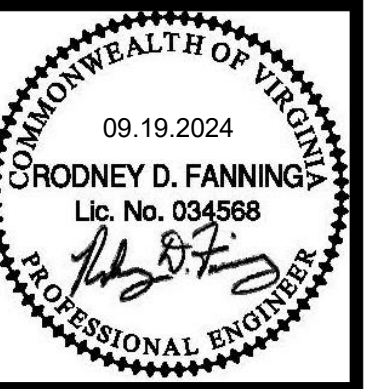


KEY PLAN



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**VIRGINIA TECH DERRING HALL
 GEOSCIENCES RENOVATION
 FOURTH FLOOR DEMOLITION AND
 NEW WORK PLANS - PLUMBING**

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