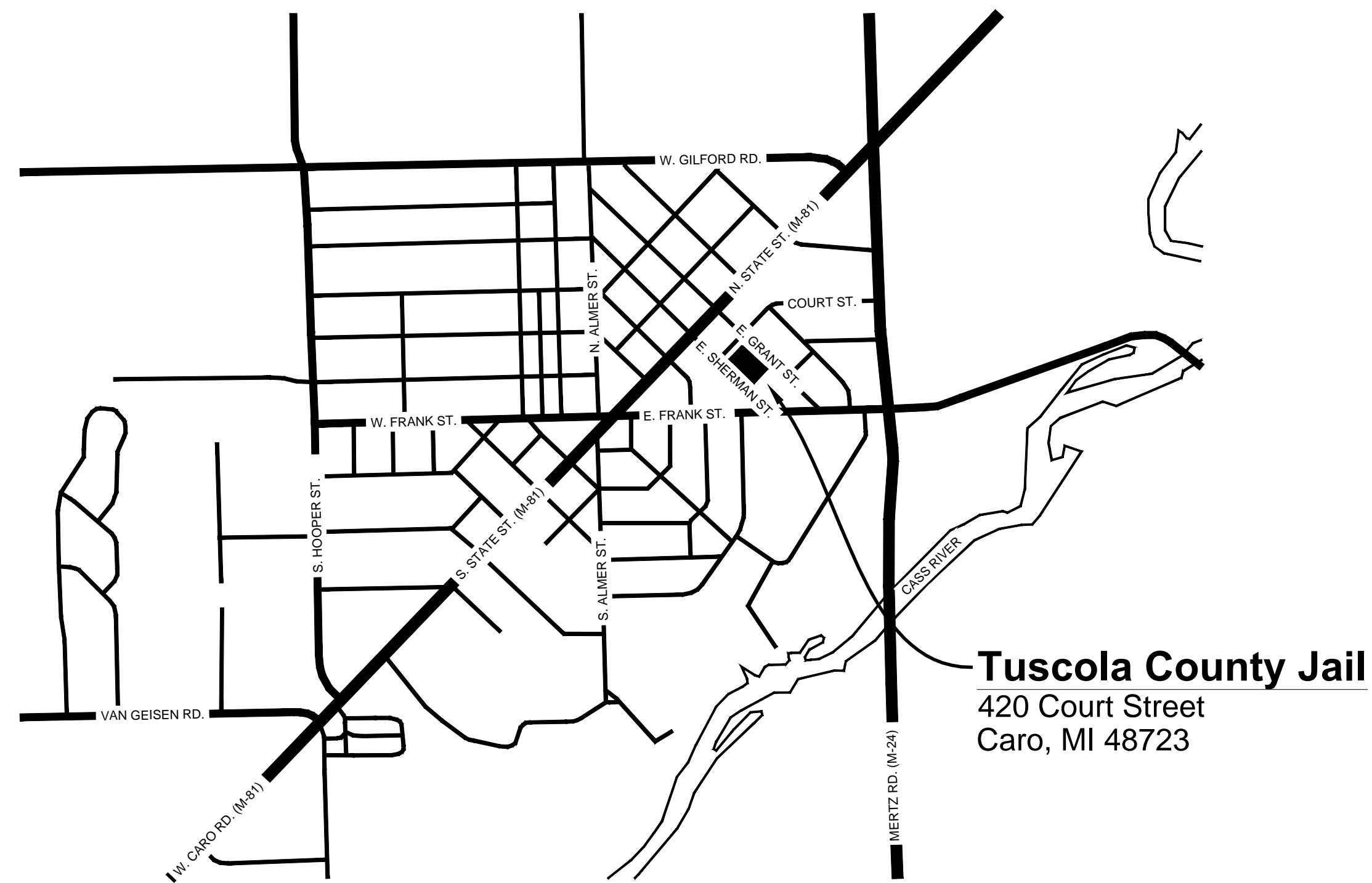


Tuscola County Jail

Jail Window and Plumbing Modifications

420 Court Street Caro, MI 48723



LOCATION PLAN
NO SCALE

Tuscola County Jail
420 Court Street
Caro, MI 48723

Sheet Index

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A101	Basement Floor Plan
A102	First Floor and Second Floor Plans
A201	Window Elevation and Detail
A401	First Floor Reflected Ceiling Plan
P201	Basement Plumbing Plan Part A
P202	Basement Plumbing Plan Part C
P203	Basement Plumbing Plan Part B
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E202	Basement Electrical Plan Part B
E211	First Floor Electrical Plan Part A
E212	First Floor Electrical Plan Part B
E213	First Floor Electrical Plan Part C
E301	First Floor Lighting Plan

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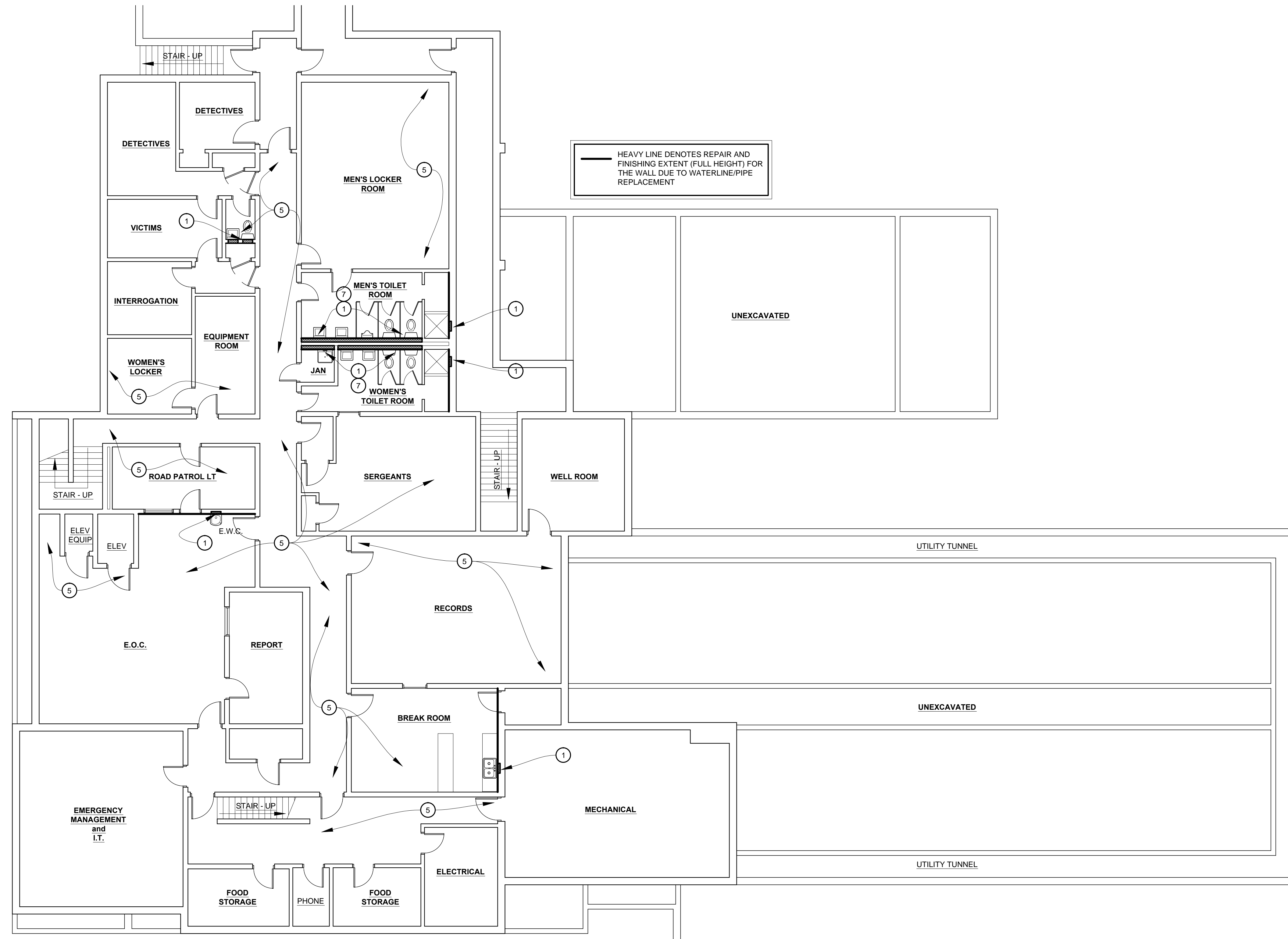
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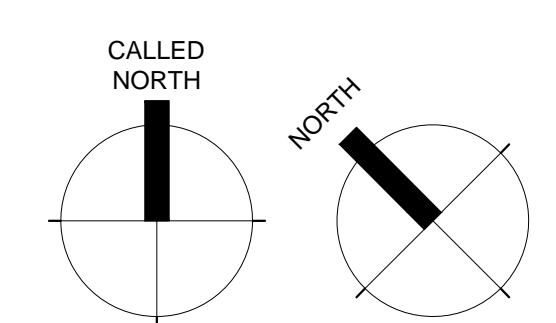
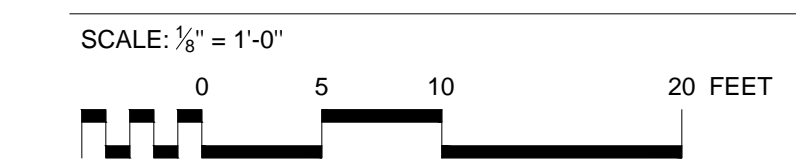
GENERAL DEMOLITION NOTES:

1. THE DEMOLITION WORK INDICATED IS INTENDED TO INDICATE THE BOUNDS OF WORK REQUIRED. IT IS NOT EXPECTED THAT EVERY ITEM WILL BE SPECIFICALLY CALLED OUT IN THE DOCUMENTS. CONTRACTOR SHALL PROVIDE ALL DEMOLITION REQUIRED FOR NEW CONSTRUCTION REGARDLESS IF SHOWN ON DRAWINGS OR NOT.
2. PATCH AND REPAIR EXISTING CONSTRUCTION AS REQUIRED DUE TO DEMOLITION. PATCH TO MATCH ADJACENT FINISH.
3. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR MECHANICAL AND ELECTRICAL DEMOLITION INFORMATION. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR WORK TO BE BUILT-IN TO EXISTING BUILDING AND THEREFORE REQUIRING DEMOLITION. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR PIPING, CONDUITS, DUCTWORK AND OTHER EQUIPMENT AND ITEMS THAT ARE BUILT-IN OR PASS THROUGH EXISTING WALLS, ROOF, FLOOR OR OTHER EXISTING ITEMS AND REQUIRE DEMOLITION. PROVIDE REQUIRED WORK.
4. REFER TO WALL SECTIONS FOR ADDITIONAL DEMOLITION INFORMATION.
5. CONTRACTOR SHALL TAKE PRECAUTIONS AND PROVIDE ANY SHORING AND BRACING OF EXISTING BEARING WALLS REQUIRED. USE APPROPRIATE PRECAUTIONS AT THOSE AREAS. REFER TO ADDITIONAL INFORMATION ON STRUCTURAL DRAWINGS.
6. TOOTH IN MASONRY WHEN CLOSING OPENINGS IN WALLS WHERE MASONRY REMAINS EXPOSED. AT CONCEALED LOCATIONS ANCHOR INFILL AT JAMBS.
7. REMOVE EXISTING CEILING TILE AND GRID AS REQUIRED. STORE AND PROTECT FOR RE-INSTALLATION.

KEYED NOTES:

1. REMOVE EXISTING MASONRY AS REQUIRED TO ACCESS EXISTING PLUMBING FIXTURE WATER PIPING. NOT, THIS MAY REQUIRE REMOVAL AND REPLACEMENT OF THE ENTIRE WALL. REMOVE EXISTING WATER PIPING AND REPLACE (REFER TO MECH DRAWINGS). FILL OPENING WITH NEW MASONRY, FLUSH WITH EXISTING. PRIME AND PAINT ENTIRE WALL TO MATCH EXISTING.
2. ACCESS FIXTURE WATER PIPING THROUGH EXISTING ACCESS PANEL.
3. REMOVE EXISTING STEEL DETENTION WINDOW (GLASS, SECURITY SCREEN AND FRAME). PROTECT EXISTING OPENING AND PREPARE FOR NEW WINDOW UNIT. INSTALL NEW DETENTION GRADE STEEL FRAME AWNING TYPE WINDOW UNIT WITH INSULATED DETENTION GLASS AND DETENTION SCREEN. ANCHOR TO EXISTING MASONRY (SEE DETAILS). INSTALL SECURITY TYPE PERIMETER SEALANT BOTH SIDES OF FRAMES. REFINISH/PAINT ENTIRE WALL TO MATCH EXISTING, AFFECTED BY THIS WORK.
4. **BASE BID** - REMOVE METAL PAN CEILING AS REQUIRED FOR WATER PIPING REMOVAL AND REPLACEMENT. REINSTALL EXISTING METAL PAN CEILING. **ALTERNATE NO. 4** - REMOVE METAL PAN CEILING AND SUSPENSION SYSTEM. INSTALL NEW SECURITY GYPSUM BOARD CEILING, ACCESS PANELS AND LIGHTING - SEE CEILING PLAN.
5. REMOVE EXISTING SUSPENDED ACOUSTIC TILE CEILING PADS AND GRID AS REQUIRED FOR WATER PIPING REMOVAL AND REPLACEMENT. REINSTALL EXISTING CEILING PADS AND GRID.
6. REMOVE PLASTER FINISH AS REQUIRED TO ACCESS EXISTING PLUMBING FIXTURE WATER PIPING. REMOVE EXISTING WATER PIPING AND REPLACE (REFER TO MECH DRAWINGS). FILL OPENING WITH NEW GYPSUM BOARD FLUSH WITH ADJACENT SURFACES. PRIME AND PAINT ENTIRE WALL TO MATCH EXISTING.
7. REMOVE EXISTING TOILET PARTITIONS, ACCESSORIES, ETC. AS REQUIRED FOR WATER LINE REPLACEMENT WORK. REINSTALL EXISTING PARTITIONS AND ACCESSORIES, ETC. WHEN WATER LINE REPLACEMENT WORK IS COMPLETED.
8. REMOVE EXISTING ALUMINUM GLASS AND FRAMES. INSTALL NEW ALUMINUM THERMAL BRAKE FRAMES AND 1" INSULATED GLASS. INSTALL NEW PERIMETER SEALANT BOTH SIDES OF FRAMES. PATCH/REPAIR EXISTING FINISHES (JAMBS, HEAD, SILL) TO MATCH EXISTING.
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10. **ALTERNATE 3** - REMOVE SECURITY FIXTURE AND SECURITY SLEEVE. INSTALL NEW SECURITY SLEEVE AND FIXTURE. RE-BUILD MASONRY WALL AS REQUIRED FOR NEW SECURITY FIXTURE AND SLEEVE. PRIME AND PAINT TO MATCH EXISTING.
11. FILL OPENING WITH NEW MASONRY. EXISTING SECURITY WINDOW TO REMAIN. REMOVE BULLNOSE BLOCK AND TOOTH-IN NEW MASONRY. RE-FINISH ENTIRE WALL AS INDICATED.
12. **ALTERNATE NO. 6** - REMOVE EXISTING SHOWER CONTROLS. INSTALL NEW SHOWER CONTROLS (SEE MECHANICAL). PATCH/PAINT EXISTING MASONRY WALLS.

BASEMENT FLOOR PLAN



Consultant

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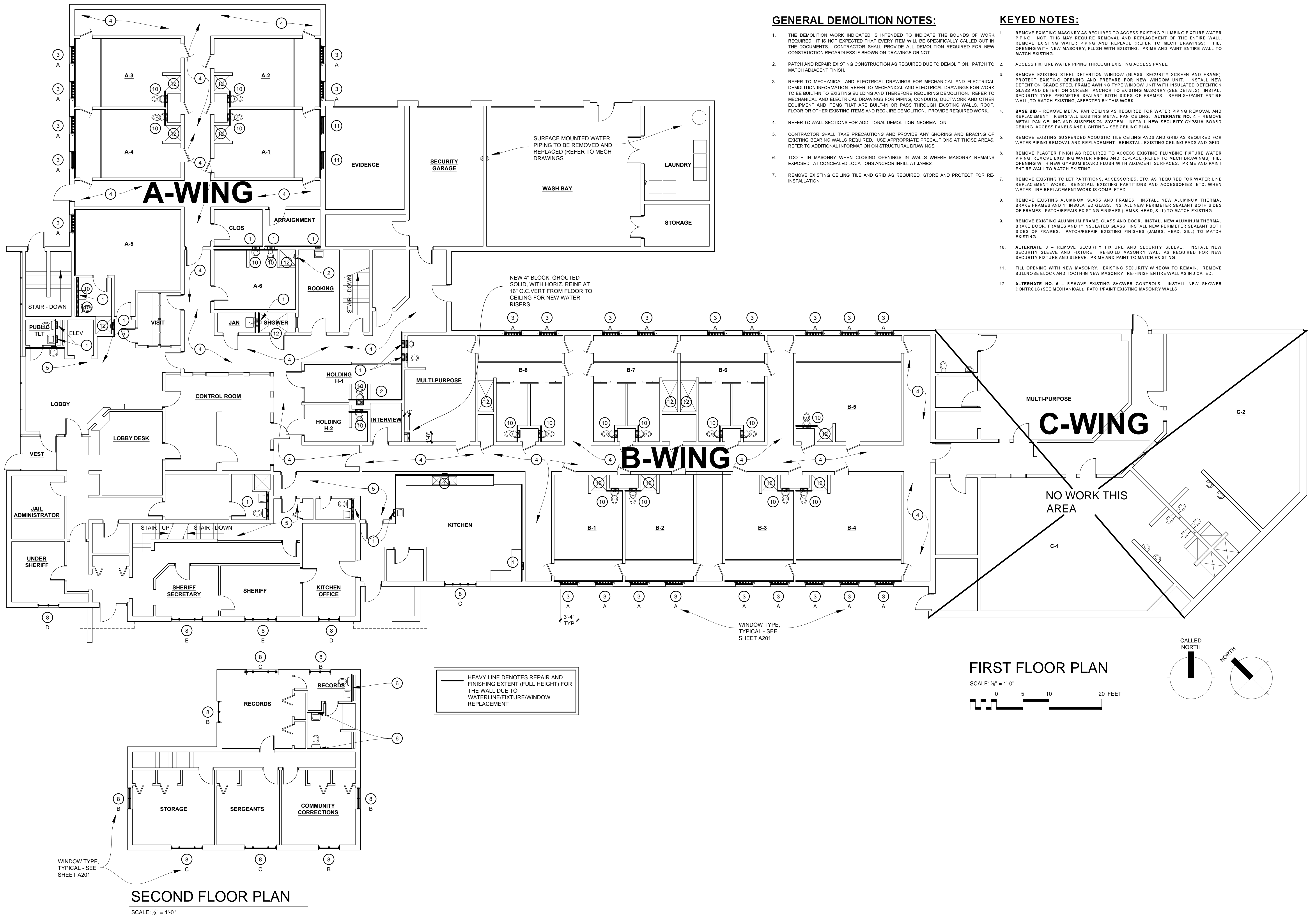
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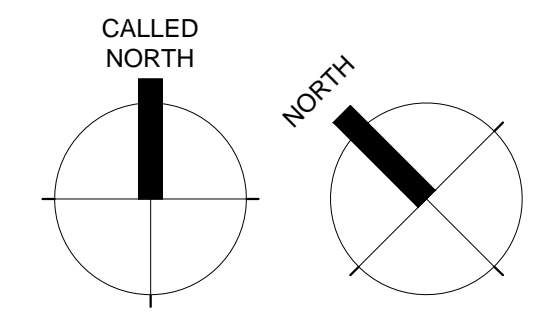
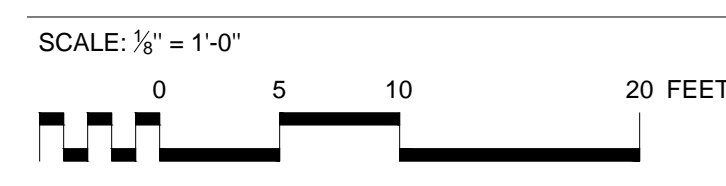
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12. **ALTERNATE NO. 5** - REMOVE EXISTING SHOWER CONTROLS. INSTALL NEW SHOWER CONTROLS (SEE MECHANICAL). PATCH/PAINT EXISTING MASONRY WALLS.

WINDOW TYPE, TYPICAL - SEE SHEET A201

HEAVY LINE DENOTES REPAIR AND FINISHING EXTENT (FULL HEIGHT) FOR THE WALL DUE TO WATERLINE/FIXTURE/WINDOW REPLACEMENT

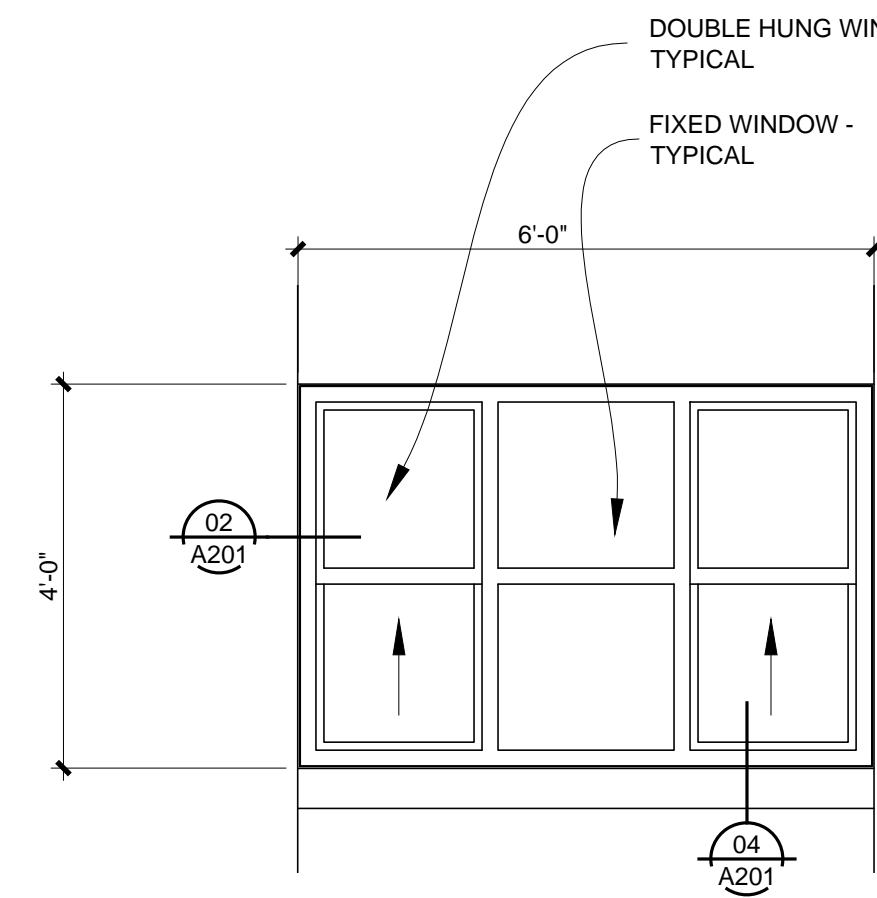
FIRST FLOOR PLAN



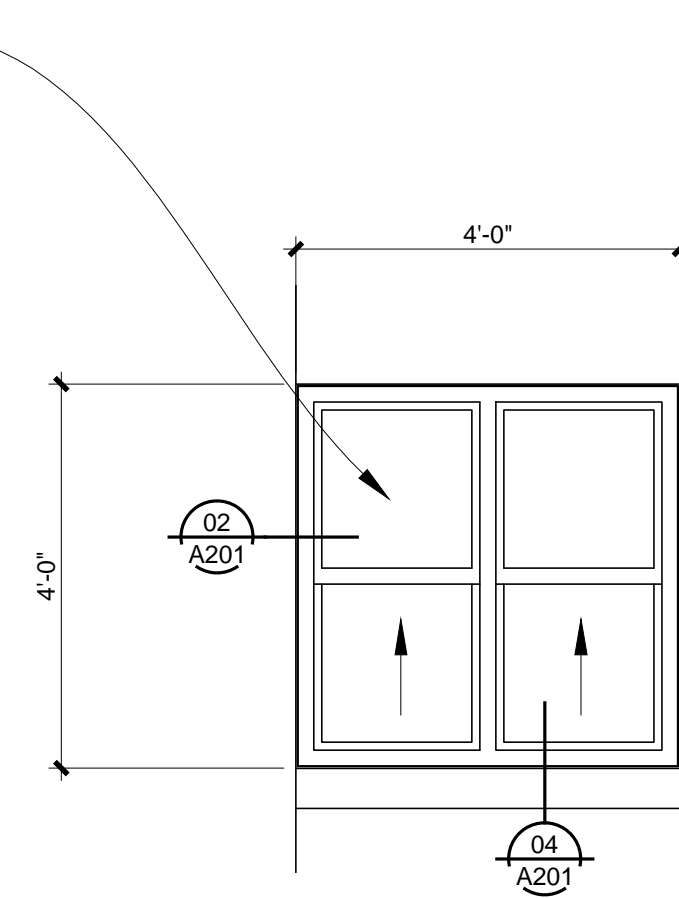
SECOND FLOOR PLAN

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

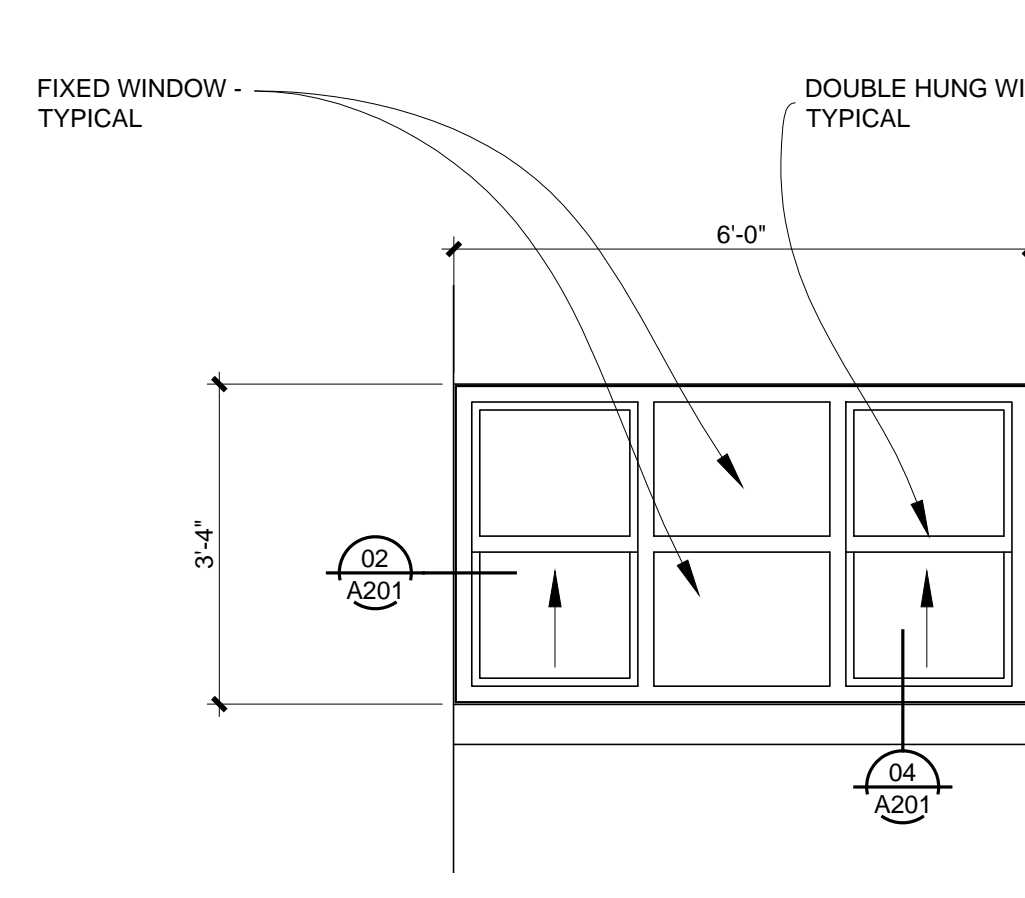
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Tuscola County Jail
 Jail Window and Plumbing Modifications
 420 Court Street
 Caro, Michigan 48723
 Project Title:
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 3883 Linden Ave. S.E. Suite A, Grand Rapids, MI 49548-3406
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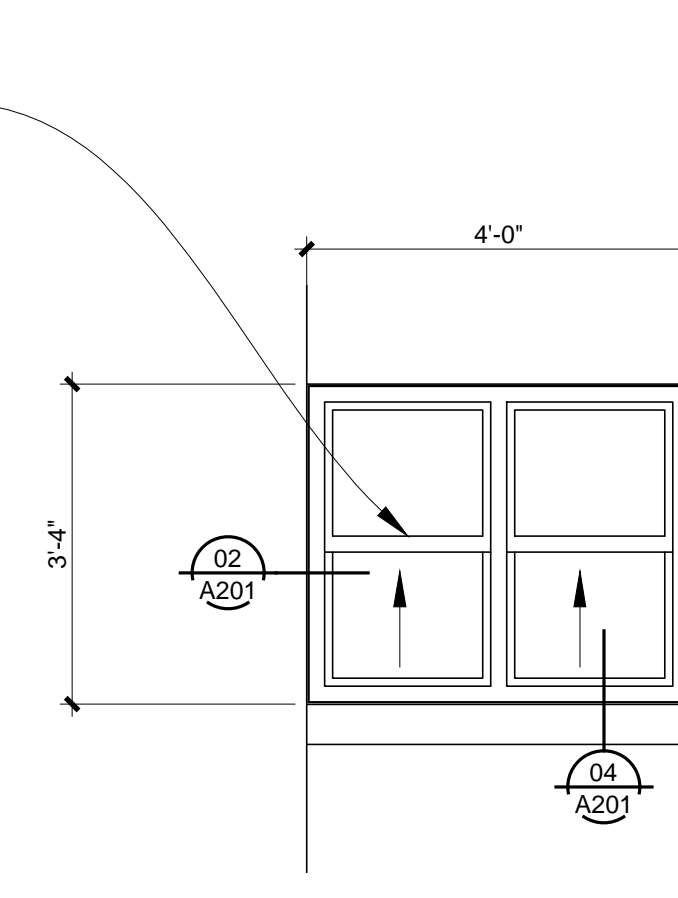
**TYPE "E"
WINDOW
ELEVATION**



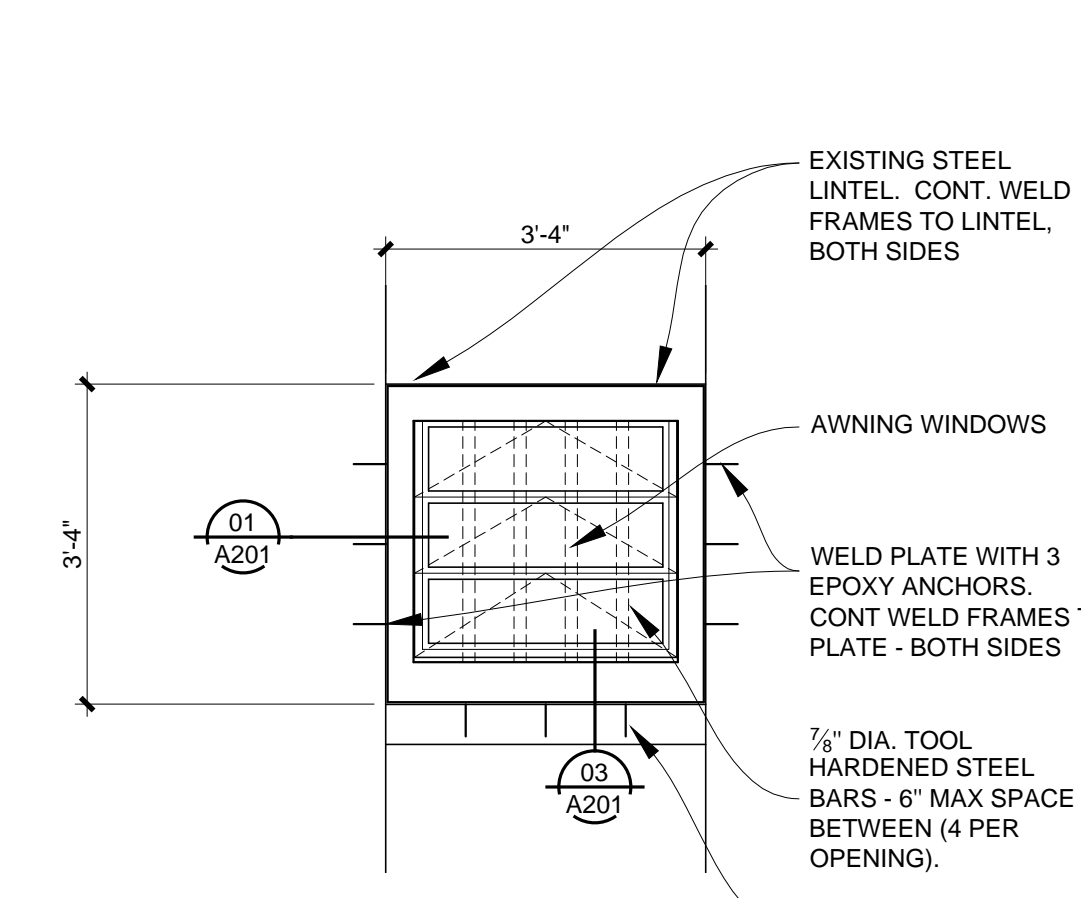
**TYPE "D"
WINDOW
ELEVATION**



**TYPE "C"
WINDOW
ELEVATION**



**TYPE "B"
WINDOW
ELEVATION**

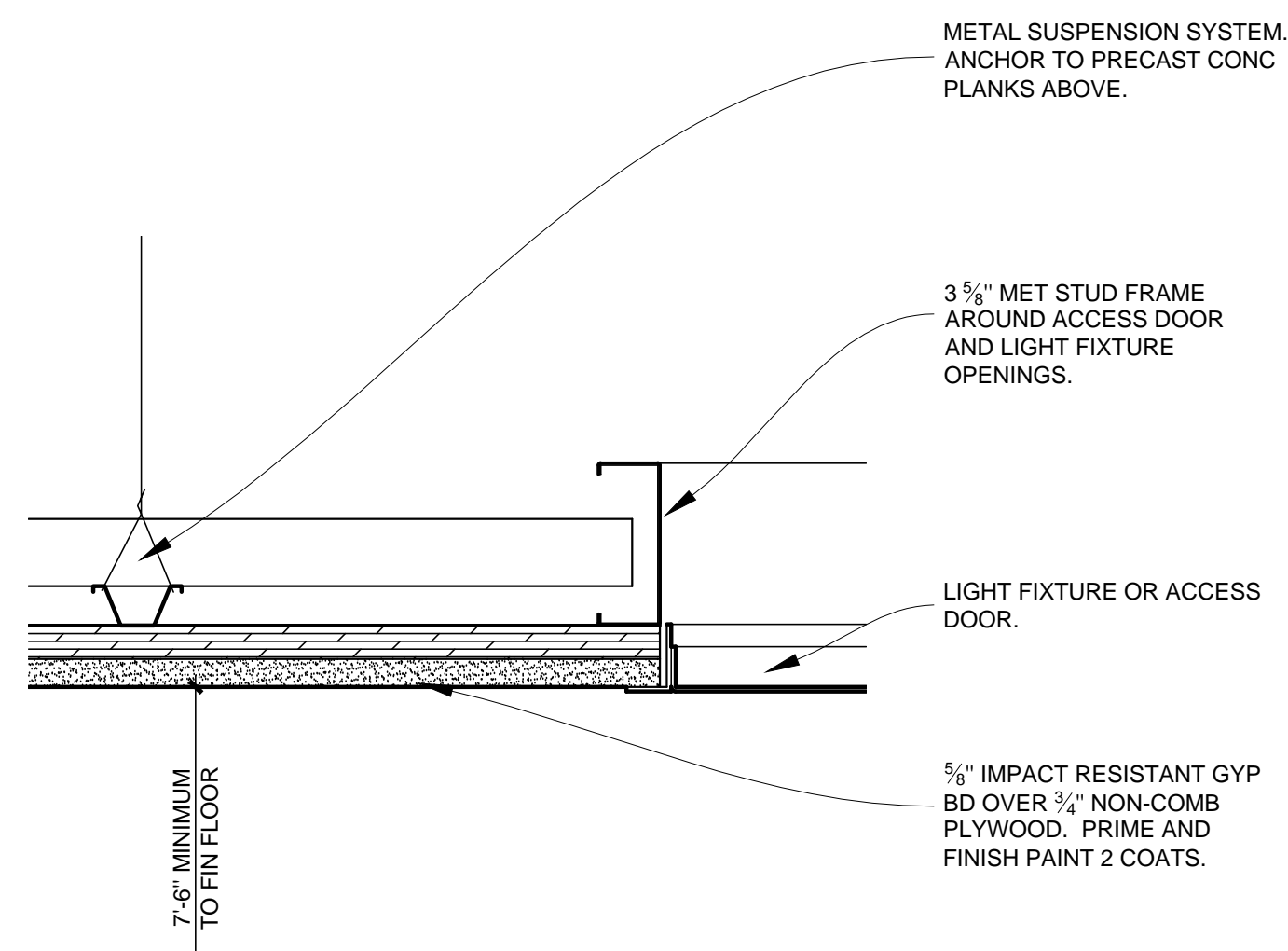


**TYPE "A"
WINDOW
ELEVATION**

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

NOTES:

1. FIELD VERIFY ALL OPENINGS PRIOR TO FABRICATION AND INSTALLATION.
2. PRIME AND PAINT (2 COATS) ALL ADJACENT WALLS WHERE WORK OCCURS.
3. INSTALL PERIMETER SEALANT AND BACKER ROD AT ALL OPENINGS, BOTH SIDES OF FRAMES.
4. INSTALL PERIMETER DETENTION TYPE SEALANT AND BACKER ROD AT INTERIOR SIDE OF DETENTION FRAMES. NOTE: DETENTION SEALANT CANNOT BE PAINTED. MATCH COLOR OF ADJACENT WALL.
5. REFER TO FLOOR PLAN FOR LOCATION OF WINDOW TYPES.
6. STEEL FRAMES ARE FURNISHED SHOP PRIMED. TOUCH UP PRIME ALL FIELD WELDS AND DEFECTS CAUSED BY INSTALLATION/STORAGE. FINISH PAINT 2 COATS.
7. FINISH PAINT (2 COATS) ALL SHOP PRIMED METALS.

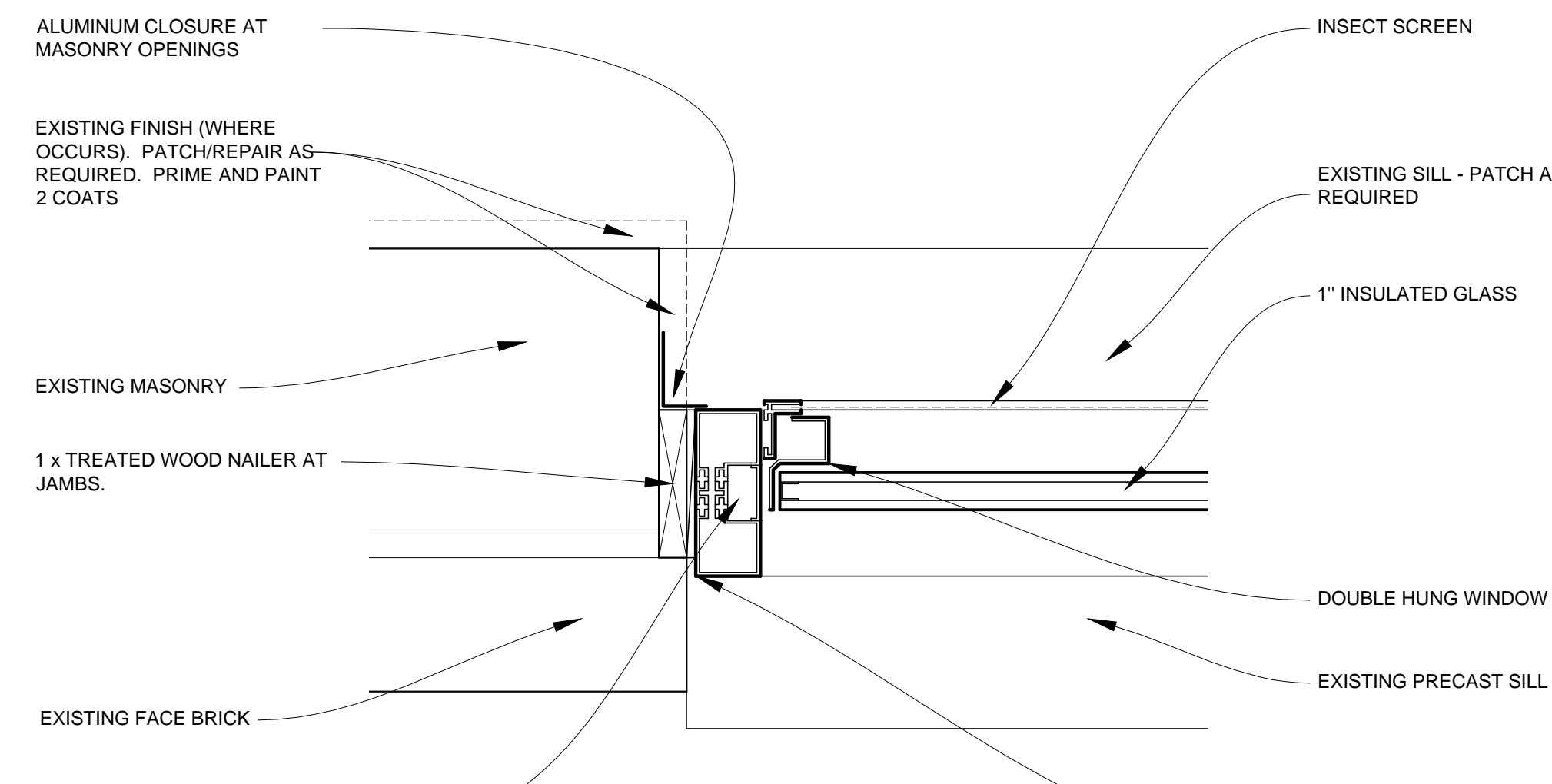


**05
A201
CEILING**

ALTERNATE NO. 4

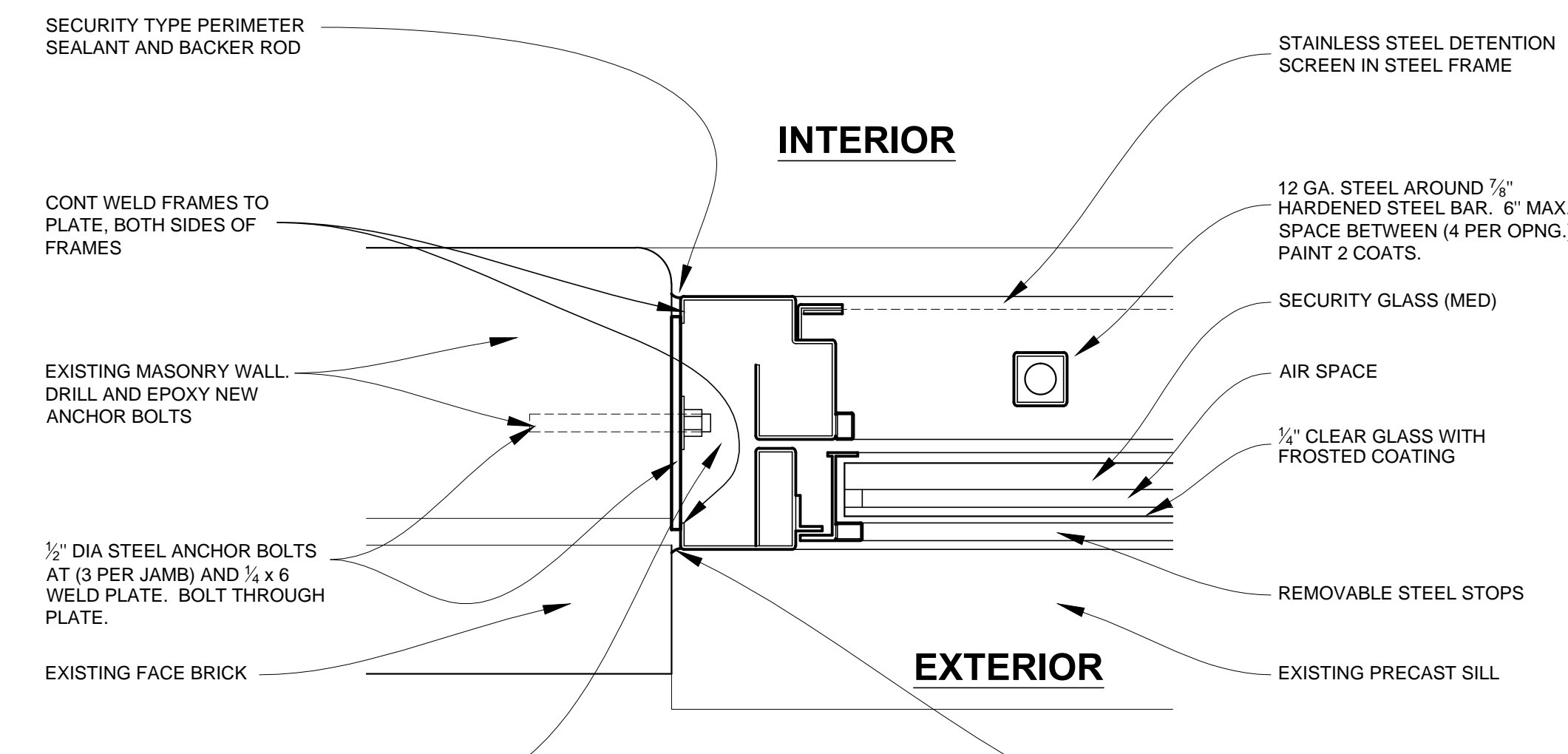
SCALE: 3" = 1'-0"

1. FURNISH ACCESS PANELS WITH CYLINDER LOCK AND KEYS. SEE SPEC.
2. INSTALL PERIMETER SEALANT AT CEILING/WALL JOINT.
3. PRIME AND FINISH PAINT, 2 COATS ENTIRE NEW CEILING



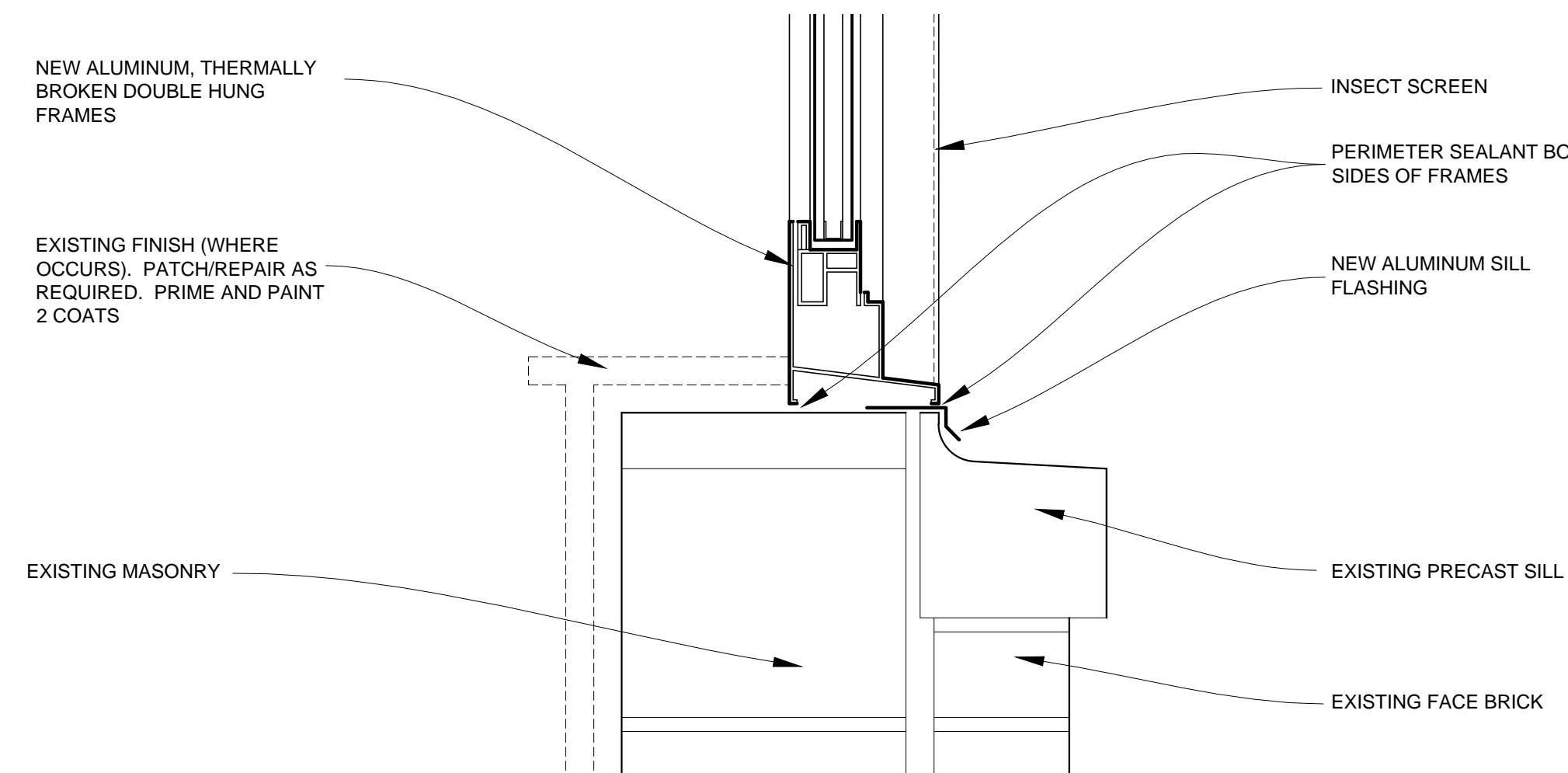
**02
A201
JAMB**

SCALE: 3" = 1'-0"



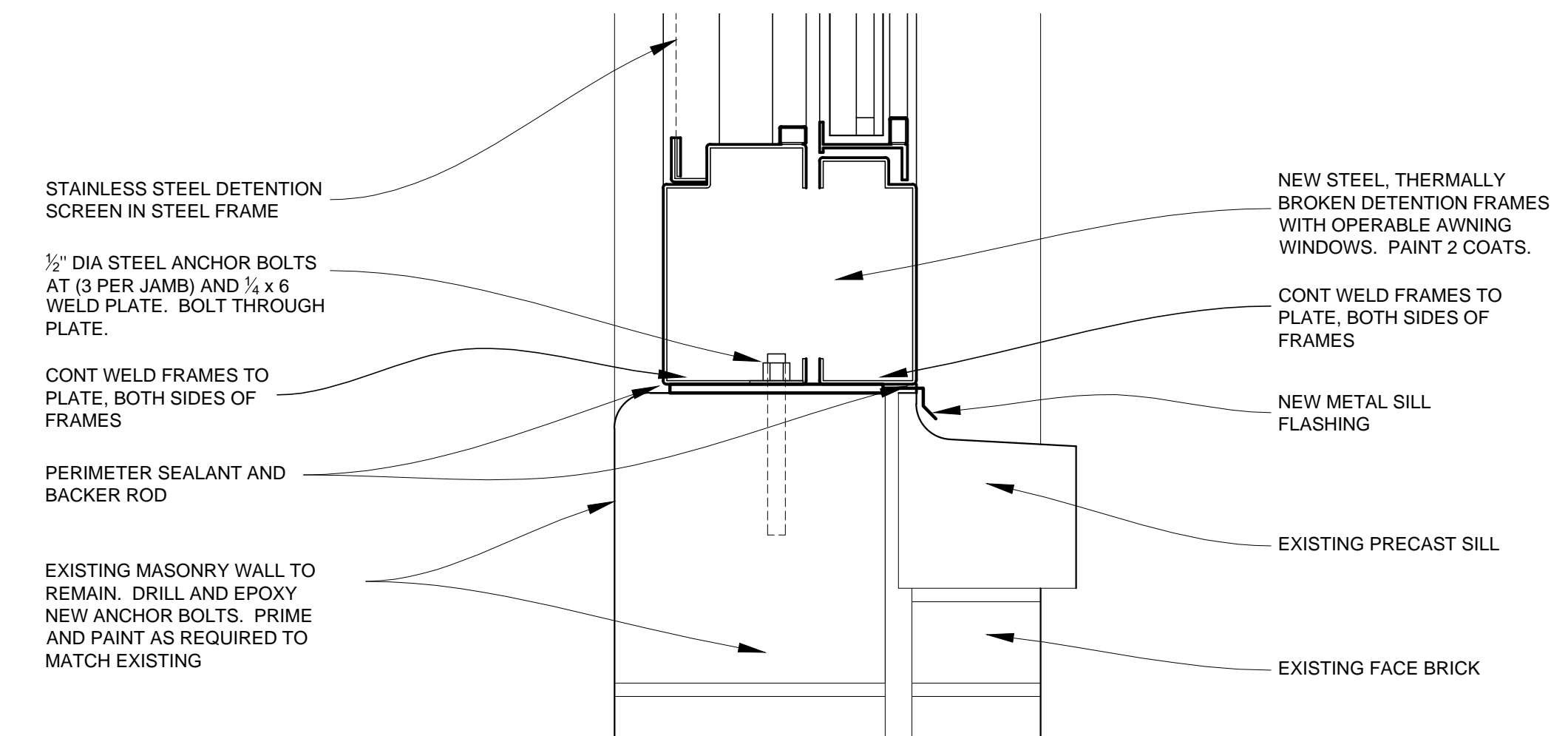
**01
A201
JAMB**

SCALE: 3" = 1'-0"



**04
A201
SILL**

SCALE: 3" = 1'-0"



**03
A201
SILL**

SCALE: 3" = 1'-0"

Tuscola County Jail
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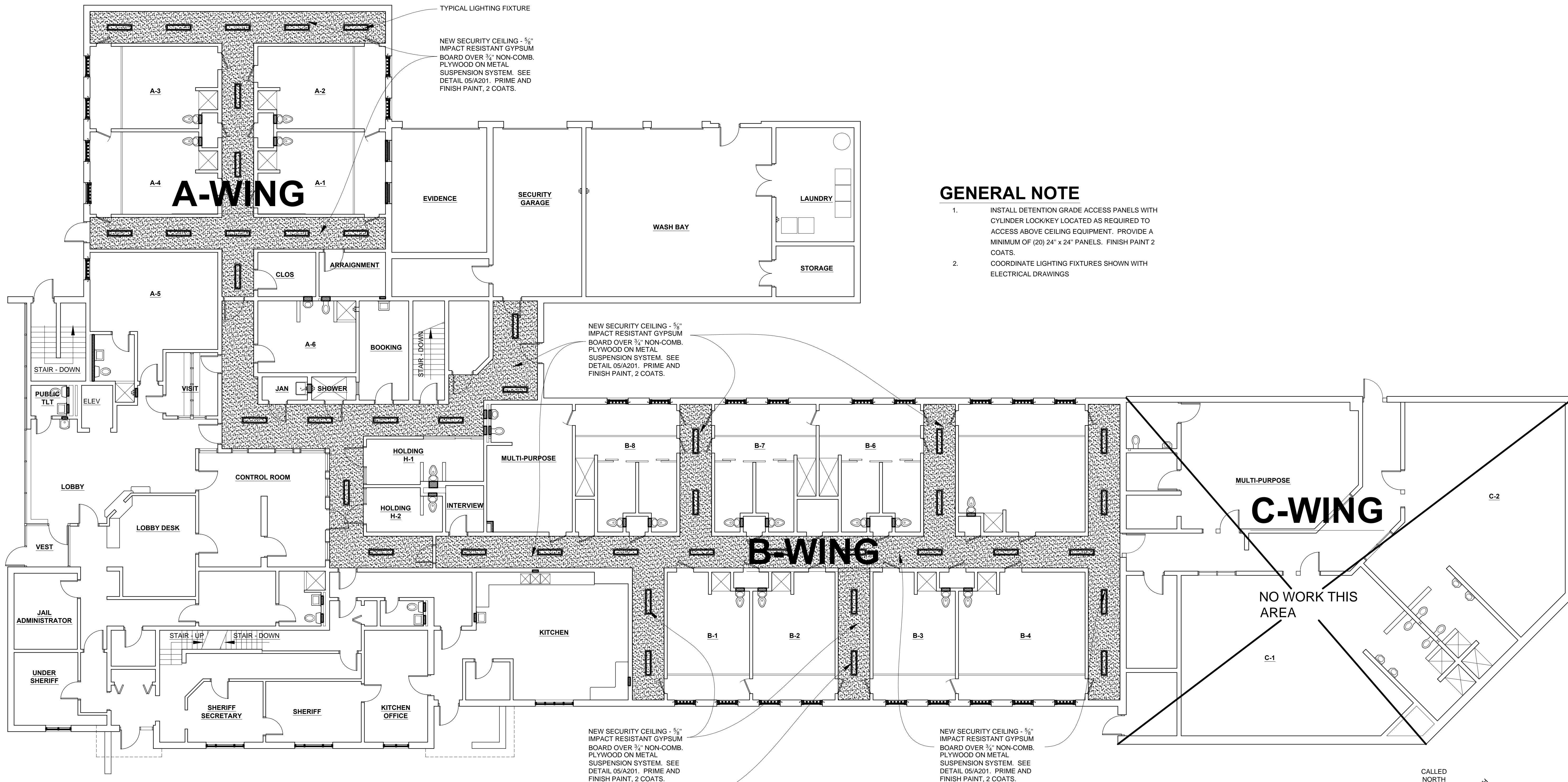
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TYPICAL LIGHTING FIXTURE

NEW SECURITY CEILING - 5/8" IMPACT RESISTANT GYPSUM BOARD OVER 3/4" NON-COMB. PLYWOOD ON METAL SUSPENSION SYSTEM. SEE DETAIL 05/A201. PRIME AND FINISH PAINT, 2 COATS.

GENERAL NOTE

1. INSTALL DETENTION GRADE ACCESS PANELS WITH CYLINDER LOCK/KEY LOCATED AS REQUIRED TO ACCESS ABOVE CEILING EQUIPMENT. PROVIDE A MINIMUM OF (20) 24" x 24" PANELS. FINISH PAINT 2 COATS.
2. COORDINATE LIGHTING FIXTURES SHOWN WITH ELECTRICAL DRAWINGS

NEW SECURITY CEILING - 5/8" IMPACT RESISTANT GYPSUM BOARD OVER 3/4" NON-COMB. PLYWOOD ON METAL SUSPENSION SYSTEM. SEE DETAIL 05/A201. PRIME AND FINISH PAINT, 2 COATS.

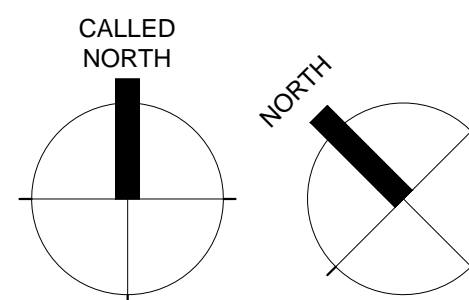
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NEW SECURITY CEILING - 5/8" IMPACT RESISTANT GYPSUM BOARD OVER 3/4" NON-COMB. PLYWOOD ON METAL SUSPENSION SYSTEM. SEE DETAIL 05/A201. PRIME AND FINISH PAINT, 2 COATS.

TYPICAL LIGHTING FIXTURE

REFLECTED CEILING PLAN

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



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- EXISTING CW, HW, HWR PIPING TO BE REPLACED WITH NEW
- EXISTING PLUMBING PIPING SERVING FORMER FIXTURES TO BE REMOVED
- PROPOSE LOCATION OF NEW MAINS TO BE INSTALLED BEFORE EXISTING CAN BE REMOVED

PIPING LEGEND

NO SCALE

DEMOLITION GENERAL NOTES:

1. INFORMATION SHOWN ON THESE PLANS REFLECTS EXISTING RECORDS AND RECENT ON-SITE OBSERVATIONS. THE DEMOLITION WORK SHOWN IS INTENDED TO CONVEY THE GENERAL NATURE AND SCOPE OF WORK REQUIRED. THE CONTRACTOR SHALL PERFORM ALL DEMOLITION WORK NECESSARY TO PROPERLY COMPLETE THE NEW WORK SHOWN ON THESE PLANS.
2. IT IS INTENDED THAT ALL OF THE EXISTING WATER SUPPLY PIPING IN THIS FACILITY BE REPLACED WITH NEW PIPING. THIS INCLUDES PIPING THAT MAY BE RUN VERTICALLY CONCEALED IN WALL CONSTRUCTION AND, OR, IN CHASES.
3. THE FACILITY SHALL REMAIN OCCUPIED AND IN CONTINUOUS OPERATION DURING THE CONSTRUCTION PROCESS. SMALL AREAS OF THE BUILDING WILL BE ALLOWED TO BE WITHOUT WATER SUPPLY FOR SHORT PERIODS OF TIME TO FACILITATE CONNECTIONS TO THE NEW PIPING. SUCH OUTAGES SHALL BE CAREFULLY COORDINATED WITH STAFF BEFORE WORK PROCEEDS.

KEYED NOTES - P201

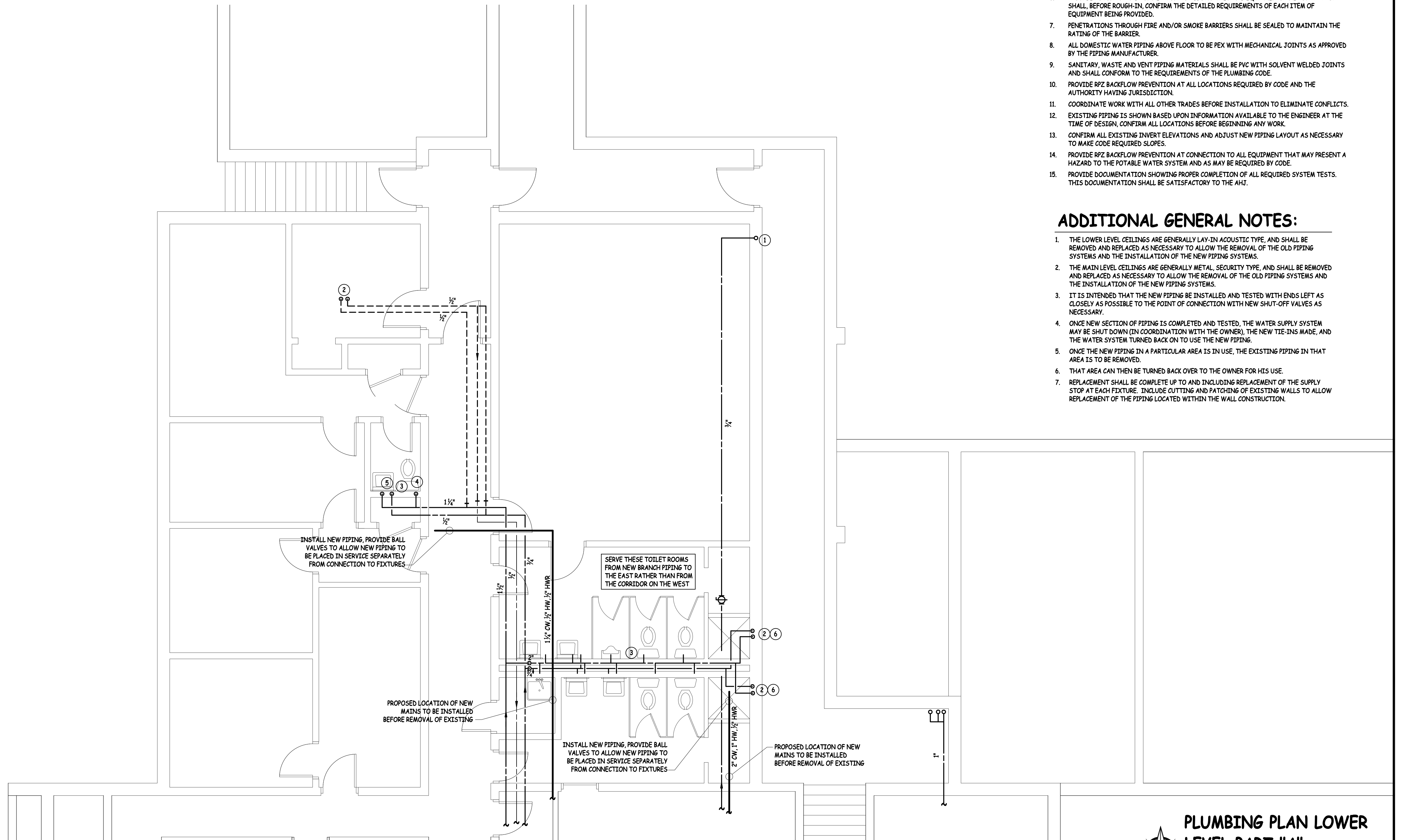
1. 3/4" CW UP TO EXTERIOR HOSE BIBB ABOVE, SEE P211.
2. 1/2" H & CW DOWN TO SHOWER CONTROL VALVE.
3. H & CW PIPING IN CHASE BETWEEN FIXTURES, CUT AND PATCH WALL AS NECESSARY TO ALLOW REMOVAL OF EXISTING PIPING AND INSTALLATION OF NEW, REMOVE AND REPLACE EXISTING FIXTURES TO REMAIN IN SERVICE.
4. 1" CW TO FLUSH VALVE WATER CLOSET.
5. 3/2" H & CW TO LAVATORY.
6. CUT AND PATCH EXISTING WALL AS NECESSARY TO REMOVE EXISTING PIPING AND INSTALL NEW.

GENERAL PLUMBING NOTES:

1. ALL SYSTEMS AND INSTALLATION SHALL CONFORM TO ALL APPLICABLE CODE REQUIREMENTS. PLUMBING FOR THIS PROJECT IS GOVERNED BY THE 2012 MICHIGAN PLUMBING CODE. THE INSTALLING CONTRACTOR IS ASSUMED TO BE FAMILIAR WITH THIS CODE, AND IS HEREBY CHARGED WITH COMPLETING THE INSTALLATION OF THE SYSTEMS SHOWN HEREON IN COMPLETE COMPLIANCE WITH THIS CODE, AS WELL AS ALL OTHERS THAT MAY APPLY.
2. ALL DRAWINGS ARE DIAGRAMMATIC IN NATURE, AND ARE NOT INTENDED TO SHOW EVERY JOINT, FITTING, OR OFFSET THAT MAY BE REQUIRED TO PROPERLY COMPLETE THE SYSTEM. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION WITH ALL TRADES, AND PROVIDE ALL FITTINGS, OFFSETS, AND RE-ROUTING AS MAY BE REQUIRED.
3. THE COMPLETED INSTALLATION SHALL RESULT IN COMPLETE, PROPERLY OPERATING SYSTEMS.
4. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND INSPECTIONS AS A PART OF HIS BASE BID FOR THE PROJECT. THIS SHALL INCLUDE ALL REVIEW FEES THAT MAY BE CHARGED IN ORDER TO OBTAIN A PERMIT FOR CONSTRUCTION.
5. UNLESS OTHERWISE NOTED, ALL HORIZONTAL PORTIONS OF SYSTEMS SHOWN ARE INTENDED TO BE CONCEALED ABOVE CEILINGS. REFER TO THE ARCHITECTURAL DRAWINGS FOR THE LOCATION OF THE BUILDING INSULATION. IN ALL CASES, THE WATER PIPING SHALL BE INSTALLED SO THE BUILDING INSULATION IS BETWEEN THE PIPING AND THE OUTSIDE. VERTICAL PORTIONS ARE INTENDED TO BE CONCEALED INSIDE WALLS OR CHASES.
6. PROVIDE ROUGH-IN AND CONNECTION TO ALL FIXTURES AND EQUIPMENT. THE CONTRACTOR SHALL, BEFORE ROUGH-IN, CONFIRM THE DETAILED REQUIREMENTS OF EACH ITEM OF EQUIPMENT BEING PROVIDED.
7. PENETRATIONS THROUGH FIRE AND/OR SMOKE BARRIERS SHALL BE SEALED TO MAINTAIN THE RATING OF THE BARRIER.
8. ALL DOMESTIC WATER PIPING ABOVE FLOOR TO BE PEX WITH MECHANICAL JOINTS AS APPROVED BY THE PIPING MANUFACTURER.
9. SANITARY, WASTE AND VENT PIPING MATERIALS SHALL BE PVC WITH SOLVENT WELDED JOINTS AND SHALL CONFORM TO THE REQUIREMENTS OF THE PLUMBING CODE.
10. PROVIDE RPZ BACKFLOW PREVENTION AT ALL LOCATIONS REQUIRED BY CODE AND THE AUTHORITY HAVING JURISDICTION.
11. COORDINATE WORK WITH ALL OTHER TRADES BEFORE INSTALLATION TO ELIMINATE CONFLICTS.
12. EXISTING PIPING IS SHOWN BASED UPON INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME OF DESIGN. CONFIRM ALL LOCATIONS BEFORE BEGINNING ANY WORK.
13. CONFIRM ALL EXISTING INVERT ELEVATIONS AND ADJUST NEW PIPING LAYOUT AS NECESSARY TO MAKE CODE REQUIRED SLOPES.
14. PROVIDE RPZ BACKFLOW PREVENTION AT CONNECTION TO ALL EQUIPMENT THAT MAY PRESENT A HAZARD TO THE POTABLE WATER SYSTEM AND AS MAY BE REQUIRED BY CODE.
15. PROVIDE DOCUMENTATION SHOWING PROPER COMPLETION OF ALL REQUIRED SYSTEM TESTS. THIS DOCUMENTATION SHALL BE SATISFACTORY TO THE AHT.

ADDITIONAL GENERAL NOTES:

1. THE LOWER LEVEL CEILINGS ARE GENERALLY LAY-IN ACOUSTIC TYPE, AND SHALL BE REMOVED AND REPLACED AS NECESSARY TO ALLOW THE REMOVAL OF THE OLD PIPING SYSTEMS AND THE INSTALLATION OF THE NEW PIPING SYSTEMS.
2. THE MAIN LEVEL CEILINGS ARE GENERALLY METAL, SECURITY TYPE, AND SHALL BE REMOVED AND REPLACED AS NECESSARY TO ALLOW THE REMOVAL OF THE OLD PIPING SYSTEMS AND THE INSTALLATION OF THE NEW PIPING SYSTEMS.
3. IT IS INTENDED THAT THE NEW PIPING BE INSTALLED AND TESTED WITH ENDS LEFT AS CLOSELY AS POSSIBLE TO THE POINT OF CONNECTION WITH NEW SHUT-OFF VALVES AS NECESSARY.
4. ONCE NEW SECTION OF PIPING IS COMPLETED AND TESTED, THE WATER SUPPLY SYSTEM MAY BE SHUT DOWN (IN COORDINATION WITH THE OWNER), THE NEW TIE-INS MADE, AND THE WATER SYSTEM TURNED BACK ON TO USE THE NEW PIPING.
5. ONCE THE NEW PIPING IN A PARTICULAR AREA IS IN USE, THE EXISTING PIPING IN THAT AREA IS TO BE REMOVED.
6. THAT AREA CAN THEN BE TURNED BACK OVER TO THE OWNER FOR HIS USE.
7. REPLACEMENT SHALL BE COMPLETE UP TO AND INCLUDING REPLACEMENT OF THE SUPPLY STOP AT EACH FIXTURE. INCLUDE CUTTING AND PATCHING OF EXISTING WALLS TO ALLOW REPLACEMENT OF THE PIPING LOCATED WITHIN THE WALL CONSTRUCTION.



PLUMBING PLAN LOWER LEVEL PART "A"
1/4" = 1' - 0"

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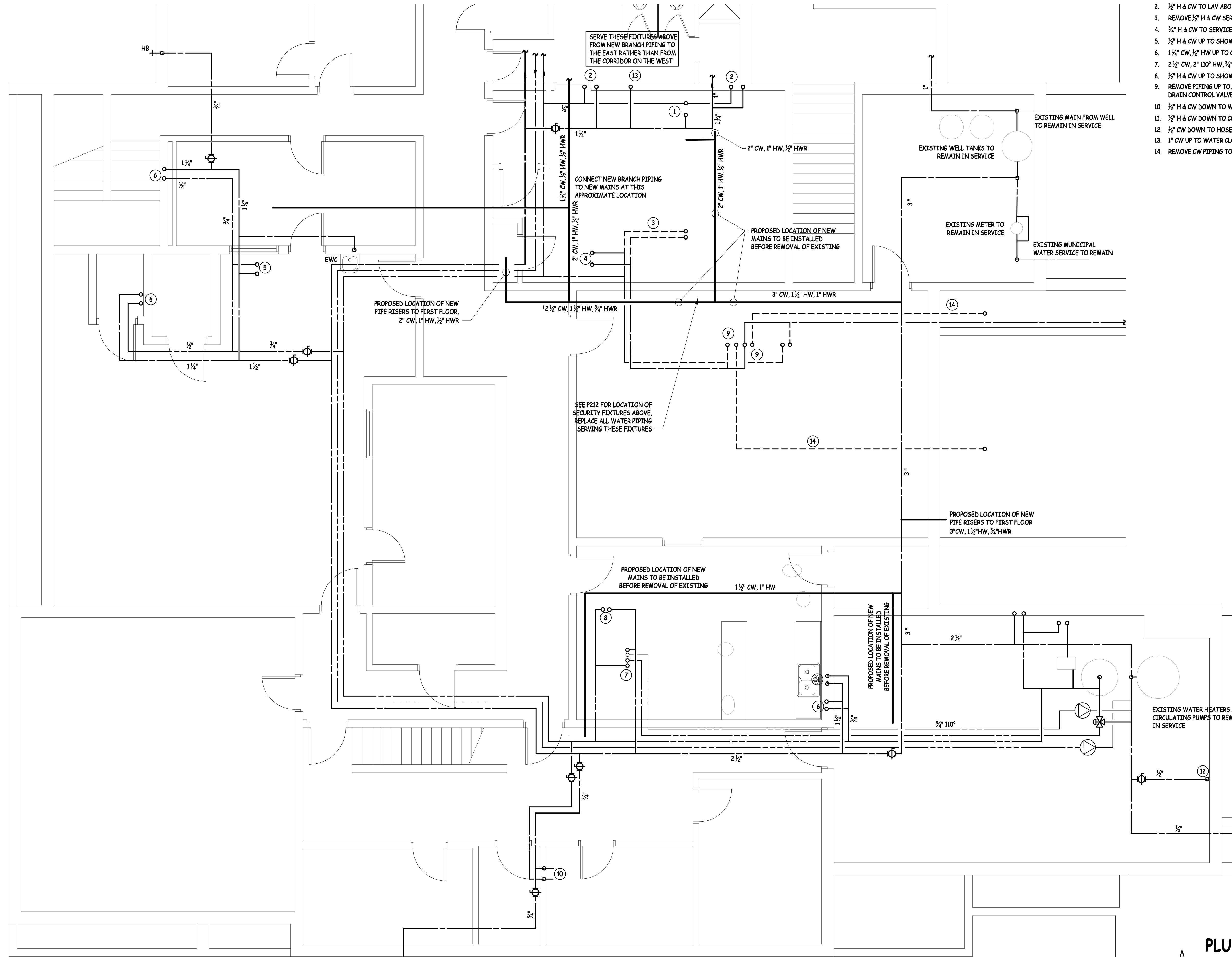
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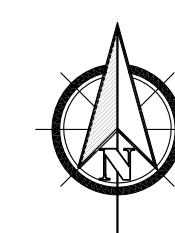
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P201



KEYED NOTES - P202

1. 3/4" CW, 1/2" HW UP TO SHOWER ABOVE.
2. 1/2" H & CW TO LAV ABOVE.
3. REMOVE 1/2" H & CW SERVING FORMER SINK.
4. 3/4" H & CW TO SERVICE SINK AND SHOWER ABOVE.
5. 1/2" H & CW UP TO SHOWER CONTROL VALVE ABOVE.
6. 1 1/2" CW, 1/2" HW UP TO CHASE ABOVE.
7. 2 1/2" CW, 2" 110° HW, 3/4" 110° HWR, 1" HW UP THROUGH FLOOR.
8. 1/2" H & CW UP TO SHOWER CONTROL VALVE ABOVE.
9. REMOVE PIPING UP TO, AND DOWN FROM, FORMER FLUSHING FLOOR DRAIN CONTROL VALVE ABOVE.
10. 1/2" H & CW DOWN TO WASHER.
11. 1/2" H & CW DOWN TO COUNTER MOUNTED SINK.
12. 1/2" CW DOWN TO HOSE BIBB.
13. 1" CW UP TO WATER CLOSET ABOVE.
14. REMOVE CW PIPING TO FORMER FLUSHING FLOOR DRAIN.



PLUMBING PLAN LOWER LEVEL PART "C"
 1/4" = 1' - 0"

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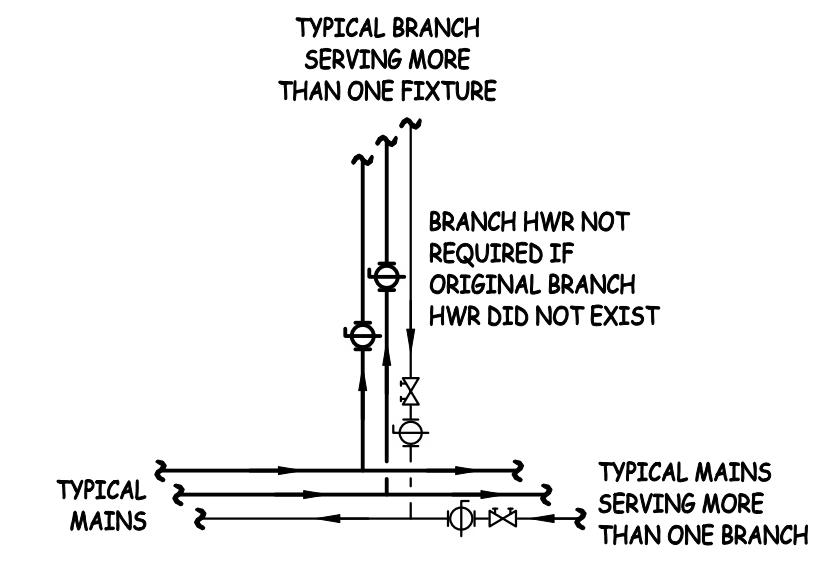
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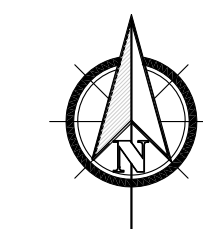
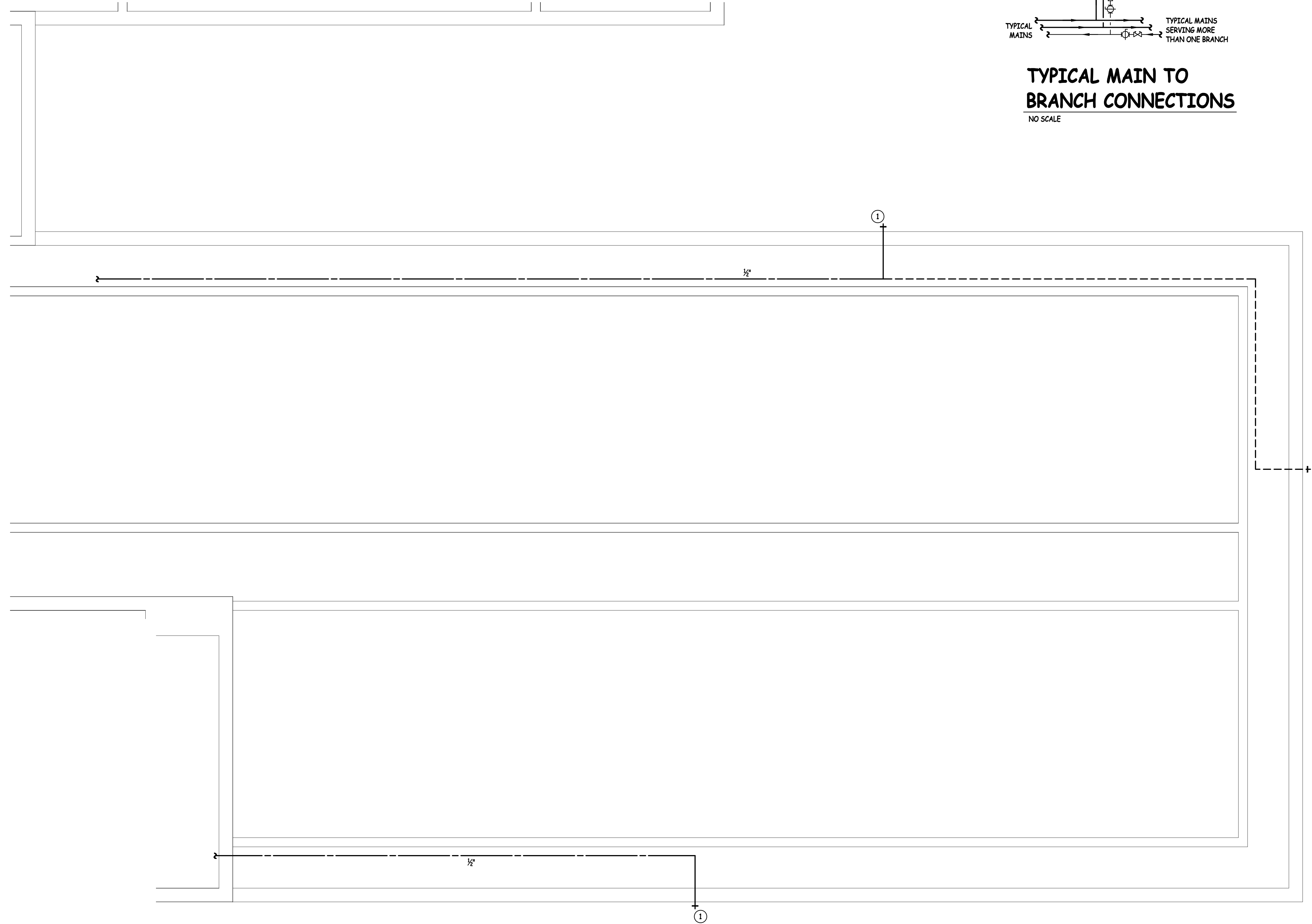
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P202

○ KEYED NOTES - P203

- 1. 1/2" CW TO HOSE BIBB.



TYPICAL MAIN TO BRANCH CONNECTIONS
NO SCALE



PLUMBING PLAN LOWER LEVEL PART "B"

1/4" = 1' - 0"

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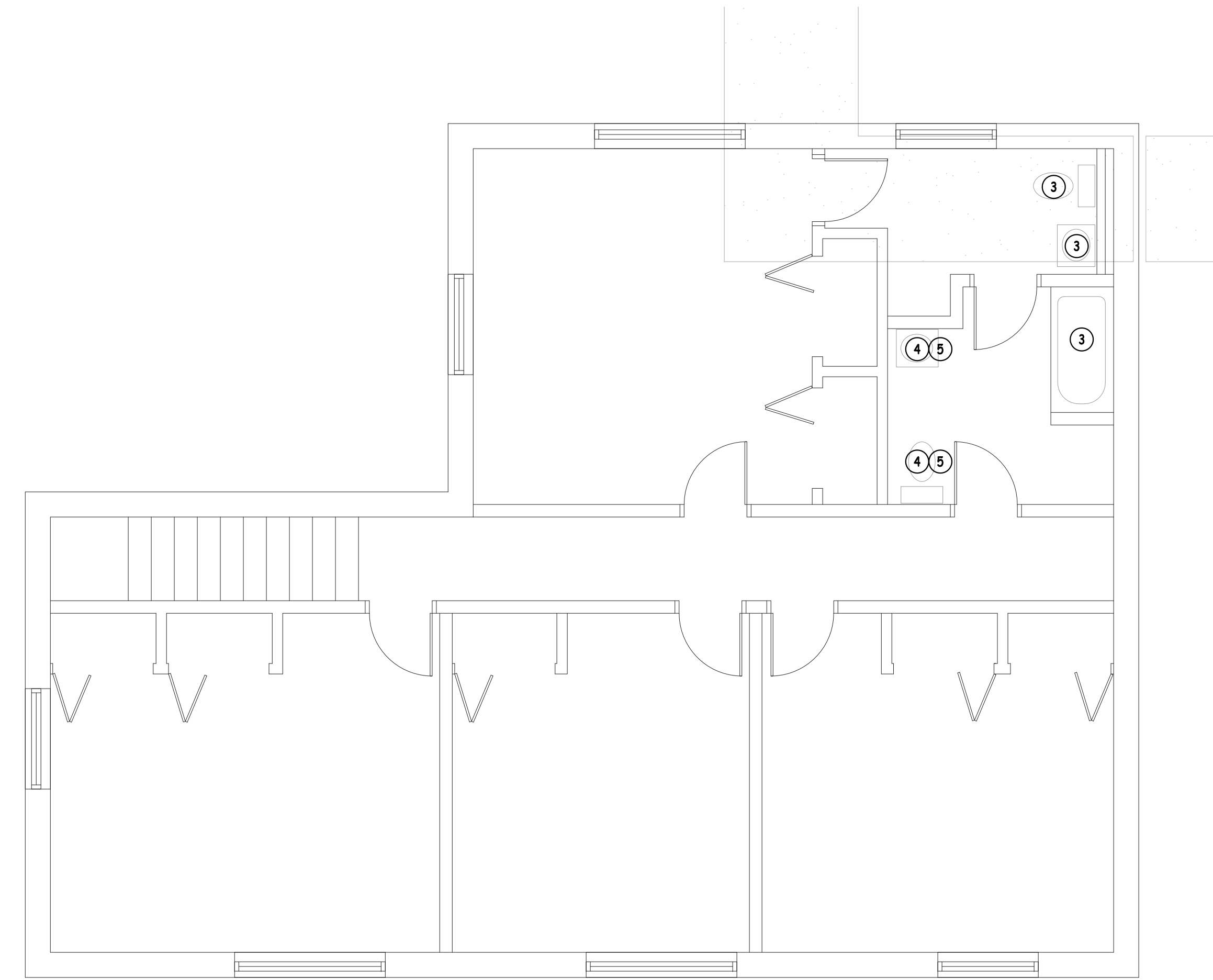
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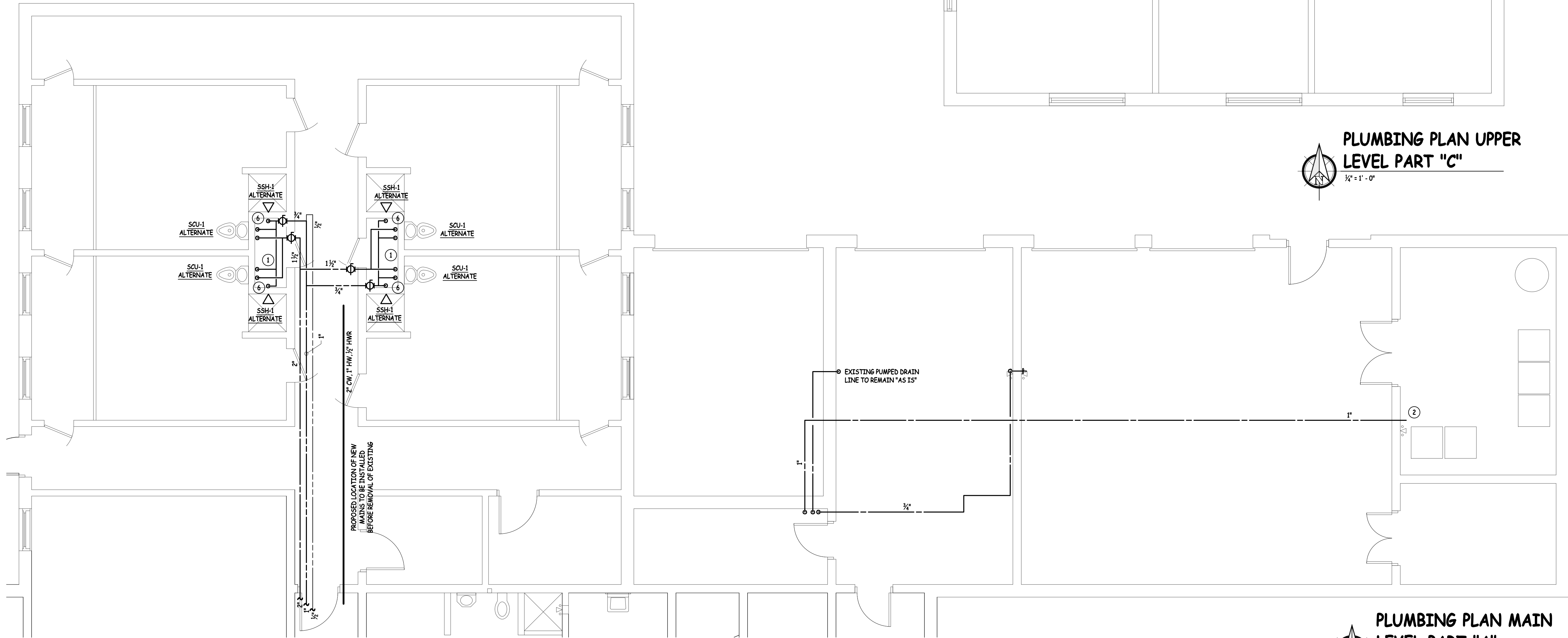
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KEYED NOTES - P211

1. SHUT-OFF VALVES MAY BE SHOWN OUTSIDE OF CHASE FOR CLARITY, ALL SUCH TO BE LOCATED INSIDE THE CHASE.
2. REPLACE ALL CW AND HW PIPING SERVING THE EXISTING LAUNDRY. EXISTING WATER HEATER IN THIS LOCATION TO REMAIN IN SERVICE.
3. EXISTING FIXTURE NO LONGER IN USE, DO NOT REPLACE PIPING FORMERLY SERVING THIS FIXTURE.
4. EXISTING FIXTURE TO REMAIN IN SERVICE, REMOVE AND REINSTALL AS NECESSARY.
5. CUT AND PATCH EXISTING WALL AS NECESSARY TO ALLOW INSTALLATION OF NEW PIPING TO THIS FIXTURE.
6. AS A PART OF THE BASE BID WORK, REPLACE ALL PNEUMATIC OPERATIONAL COMPONENTS FOR THE SECURITY FIXTURE WITH NEW COMPONENTS FROM A SINGLE SOURCE SUPPLIER.



PLUMBING PLAN UPPER LEVEL PART "C"
 1/4" = 1'-0"



PLUMBING PLAN MAIN LEVEL PART "A"
 1/4" = 1'-0"

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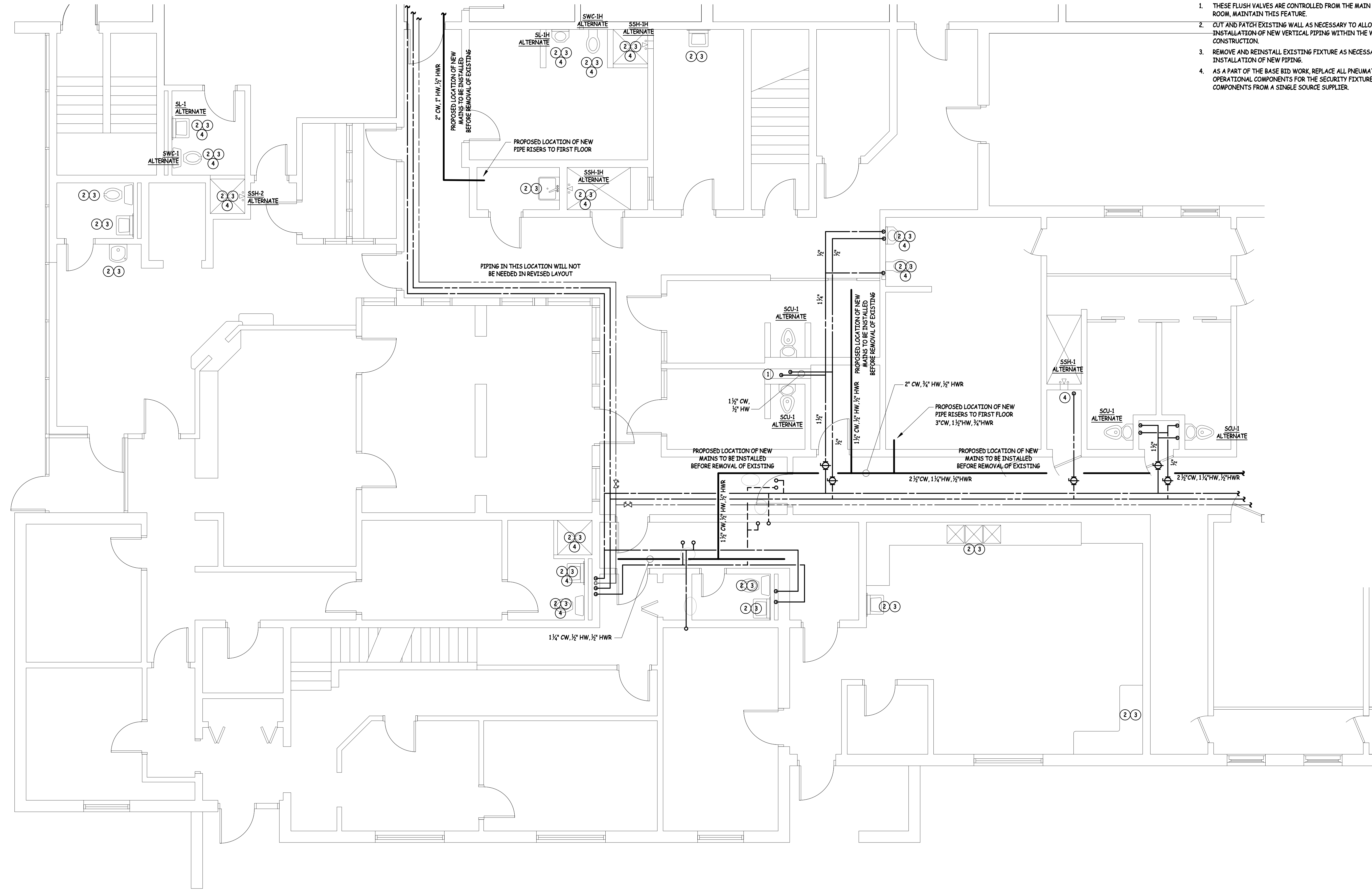
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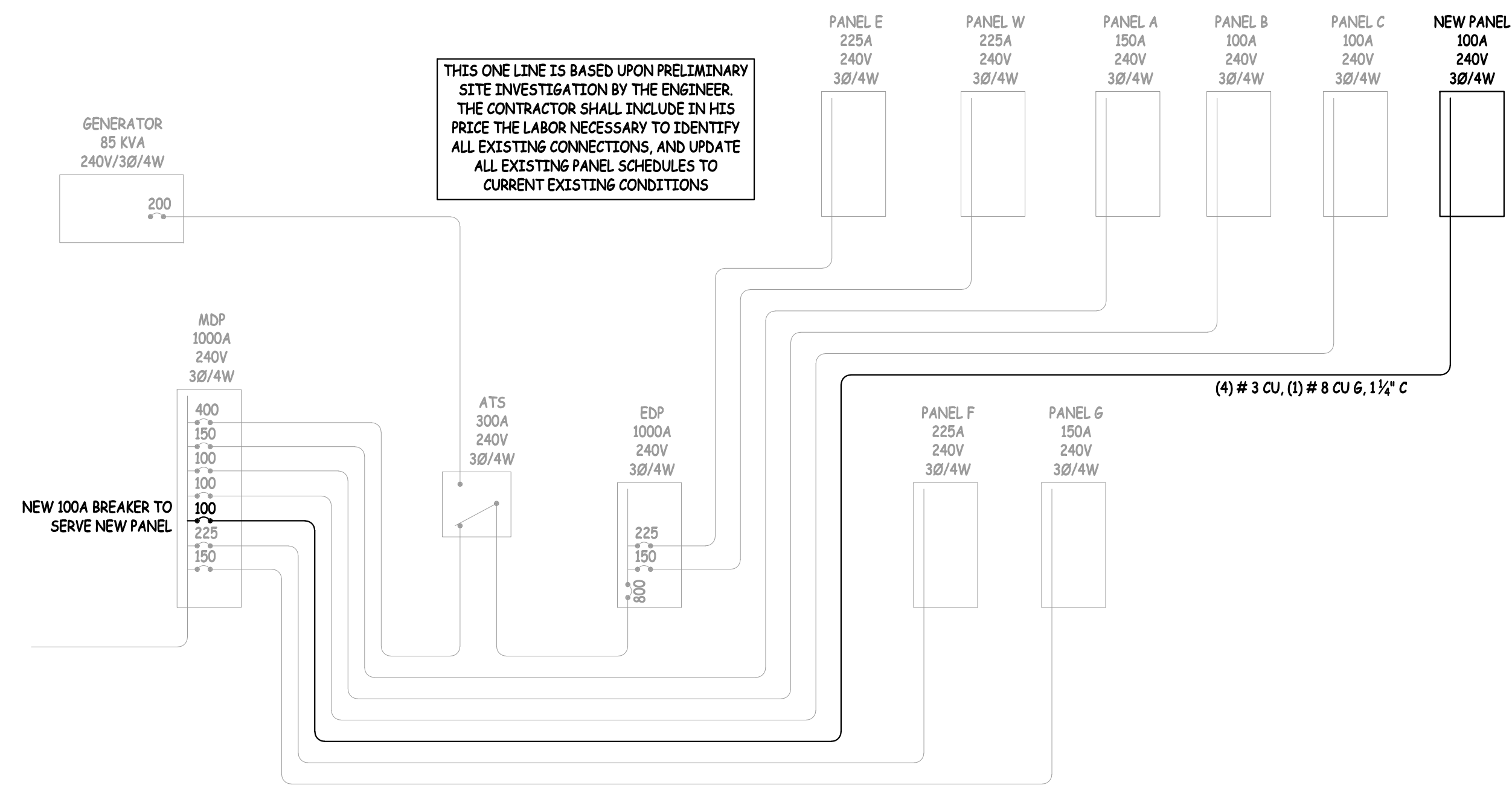
KEYED NOTES - P212

1. THESE FLUSH VALVES ARE CONTROLLED FROM THE MAIN CONTROL ROOM, MAINTAIN THIS FEATURE.
2. CUT AND PATCH EXISTING WALL AS NECESSARY TO ALLOW INSTALLATION OF NEW VERTICAL PIPING WITHIN THE WALL CONSTRUCTION.
3. REMOVE AND REINSTALL EXISTING FIXTURE AS NECESSARY TO ALLOW INSTALLATION OF NEW PIPING.
4. AS A PART OF THE BASE BID WORK, REPLACE ALL PNEUMATIC OPERATIONAL COMPONENTS FOR THE SECURITY FIXTURE WITH NEW COMPONENTS FROM A SINGLE SOURCE SUPPLIER.



PLUMBING PLAN MAIN
LEVEL PART "C"
 1/4" = 1' - 0"

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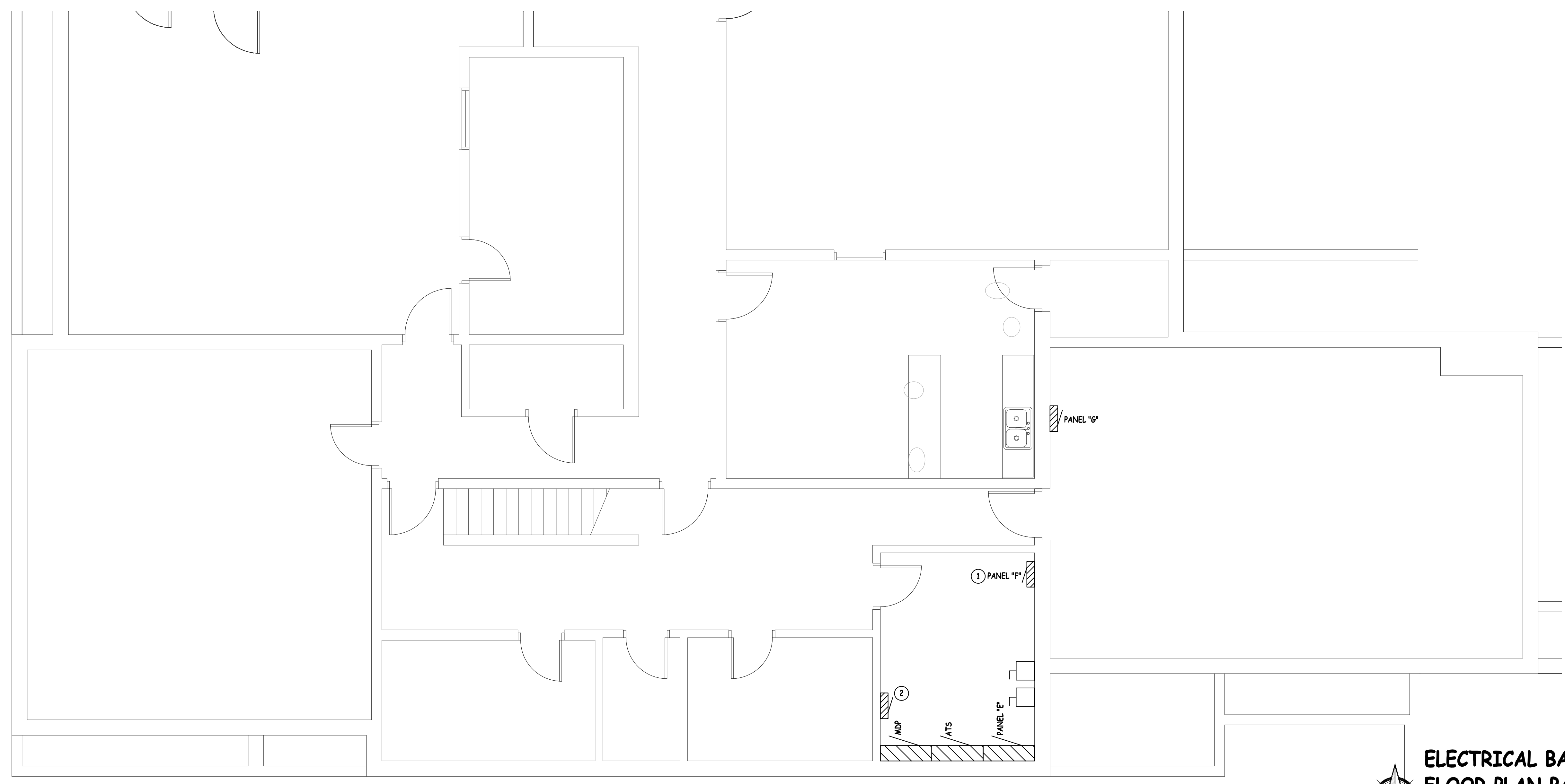


THIS ONE LINE IS BASED UPON PRELIMINARY SITE INVESTIGATION BY THE ENGINEER. THE CONTRACTOR SHALL INCLUDE IN HIS PRICE THE LABOR NECESSARY TO IDENTIFY ALL EXISTING CONNECTIONS, AND UPDATE ALL EXISTING PANEL SCHEDULES TO CURRENT EXISTING CONDITIONS.

ONE LINE DIAGRAM
1/4" = 1' - 0"

GENERAL ELECTRICAL NOTES

- ALL SYSTEMS AND INSTALLATION SHALL CONFORM TO ALL APPLICABLE CODE REQUIREMENTS. ELECTRICAL WORK FOR THIS PROJECT IS GOVERNED BY THE 2011 NATIONAL ELECTRICAL CODE. INSTALLING CONTRACTOR IS ASSUMED TO BE FAMILIAR WITH THIS CODE, AND IS HEREBY CHARGED WITH COMPLETING THE INSTALLATION OF THE SYSTEMS SHOWN HEREON IN COMPLETE COMPLIANCE WITH THIS CODE, AS WELL AS ALL OTHERS THAT MAY APPLY.
- THE CONTRACTOR SHALL PROVIDE AND PAY FOR ALL WORK, MATERIAL, AND LABOR TO ESTABLISH COMPLETE AND PROPERLY WORKING SYSTEMS.
- THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS, APPLICATIONS AND FEES AS MAY BE NECESSARY TO COMPLETE THE WORK. THIS INCLUDES ANY AND ALL REVIEW FEES THAT MAY BE REQUIRED FOR THE PERMITTING PROCESS.
- FINAL ROUTING OF ALL CONDUITS SHALL BE ESTABLISHED BY THE ELECTRICAL CONTRACTOR IN COORDINATION WITH THE WORK OF ALL OTHER TRADES.
- FIELD MOUNTED DEVICES SUCH AS SWITCHES, MOTOR STATERS, RECEPTACLES, ETC., ARE SHOWN IN THEIR APPROXIMATE LOCATIONS UNLESS NOTED TO THE CONTRARY ON THE PLANS. COORDINATE EXACT LOCATIONS BASED ON ACTUAL FIELD CONDITIONS.
- ALL POWER WIRING SHALL BE STRANDED COPPER CONDUCTOR WITH THIN INSULATION RATED 600 VOLTS. MINIMUM WIRE SIZE, #12 AWG. WHERE THE CODE ALLOWS THE USE OF MC CABLE WITH SOLID WIRE, THIS METHOD IS ACCEPTABLE.
- INCREASE WIRE SIZES NOTED ON PLANS OR IN SCHEDULES AS REQUIRED BY CODE FOR LONG RUNS.
- ALL WIRING AND CONDUIT MATERIALS SHALL BE IN STRICT ACCORDANCE WITH THE REQUIREMENTS WITH APPLICABLE CODES AND STANDARDS.
- THE ELECTRICAL CONTRACTOR SHALL PROPERLY GROUND ALL SYSTEMS AND EQUIPMENT IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATIONAL ELECTRIC CODE.
- ALL RECEPTACLES IN BATHROOMS, AND KITCHENS, AND OTHER LOCATIONS AS REQUIRED BY THE CODE, SHALL BE 6FCI TYPE.
- ALL MATERIALS AND EQUIPMENT PROVIDED FOR THIS PROJECT SHALL BE NEW AND UL APPROVED FOR THE INTENDED USE.
- THE CONTRACTOR SHALL PERFORM ALL REQUIRED TESTING OF ALL ELECTRICAL SYSTEMS. THE CONTRACTOR SHALL CORRECT ALL DEFECTS INDICATED BY TESTING AND THEN RETEST UNTIL SATISFACTORY RESULTS ARE OBTAINED.
- NO EQUIPMENT SHALL BE ENERGIZED UNTIL ALL TESTS AND ADJUSTMENTS HAVE BEEN COMPLETED.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN. FOR EXACT FIXTURE LOCATIONS. ARCHITECTURAL PLANS TAKE PRECEDENCE.
- SEE ARCHITECTURAL DRAWINGS FOR CEILING LAYOUT, MATERIALS AND HEIGHTS.
- ALL FIXTURES TO BE CENTERED IN CEILING TILE, UNON.
- VERIFY MOUNTING HEIGHT OF ALL SUSPENDED FIXTURES WITH ARCHITECT.
- VERIFY ALL ROUGH-INS WITH ARCHITECT PRIOR TO INSTALLATION.
- SWITCHES AND RECEPTACLES SHALL BE BLACK WITH SS FACE PLATES, OR AS MY BE REQUIRED BY THE ARCHITECT. ALL TO BE COMMERCIAL GRADE, 20A RATED.



ELECTRICAL BASEMENT FLOOR PLAN PART "B"
1/4" = 1' - 0"

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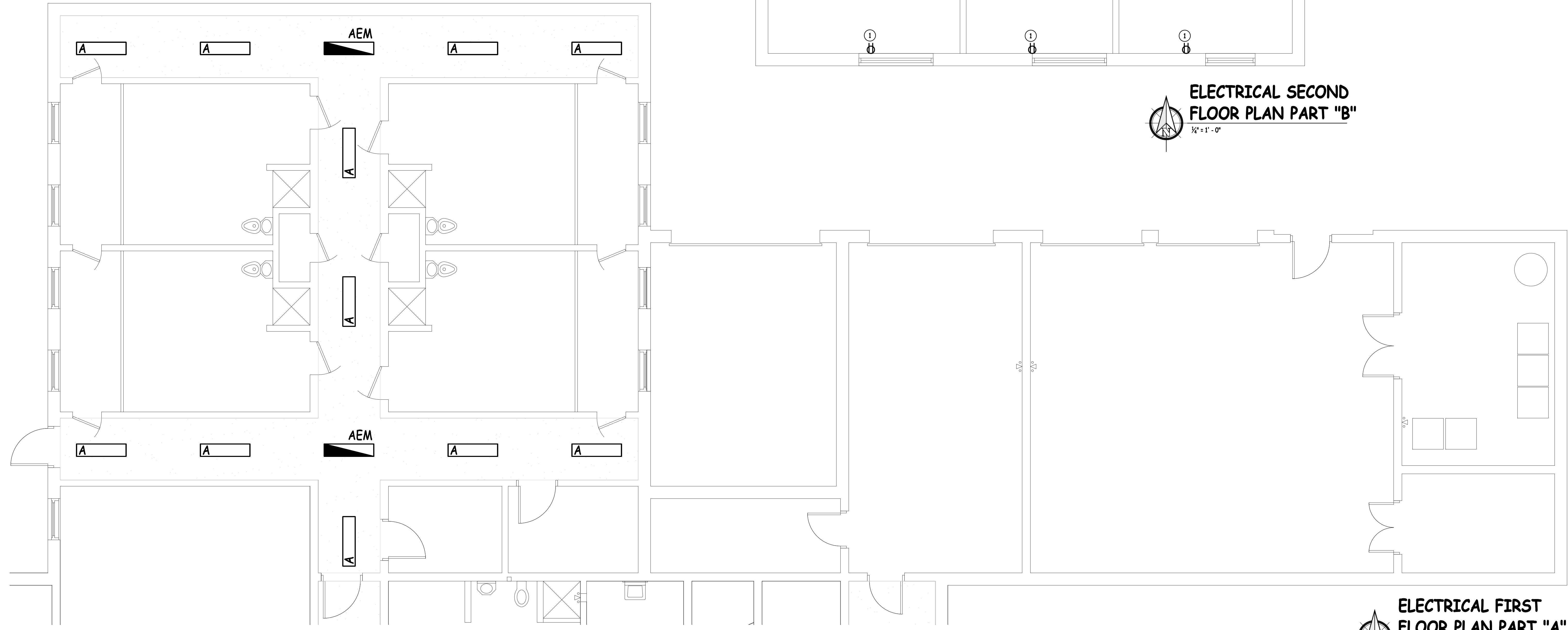
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LIGHT FIXTURE SCHEDULE

A FAIL SAFE SECURITY FIXTURE # FMR S 12 4 LD4 2 STD 40 UNV 90 80 86 EDC 1, RECESSED, TAMPERPROOF, PROVIDE 1,400 LUMEN BATTERY PACK FOR FIXTURES NOTED AS "EM" ON THE PLAN. REMOVE AND REPLACE EXISTING CORRIDOR LIGHT FIXTURES, CONNECT NEW FIXTURES TO EXISTING LIGHTING CIRCUITS TO REMAIN IN SERVICE.

KEYED NOTES - E211

1. NEW SURFACE MOUNTED RECEPTACLE, SURFACE MOUNTED WIRE MOLD TO ABOVE CEILING, THEN TO PANEL ON THIS FLOOR, DEDICATED CIRCUIT.



ELECTRICAL SECOND FLOOR PLAN PART "B"
 1/4" = 1' - 0"

ELECTRICAL FIRST FLOOR PLAN PART "A"
 1/4" = 1' - 0"

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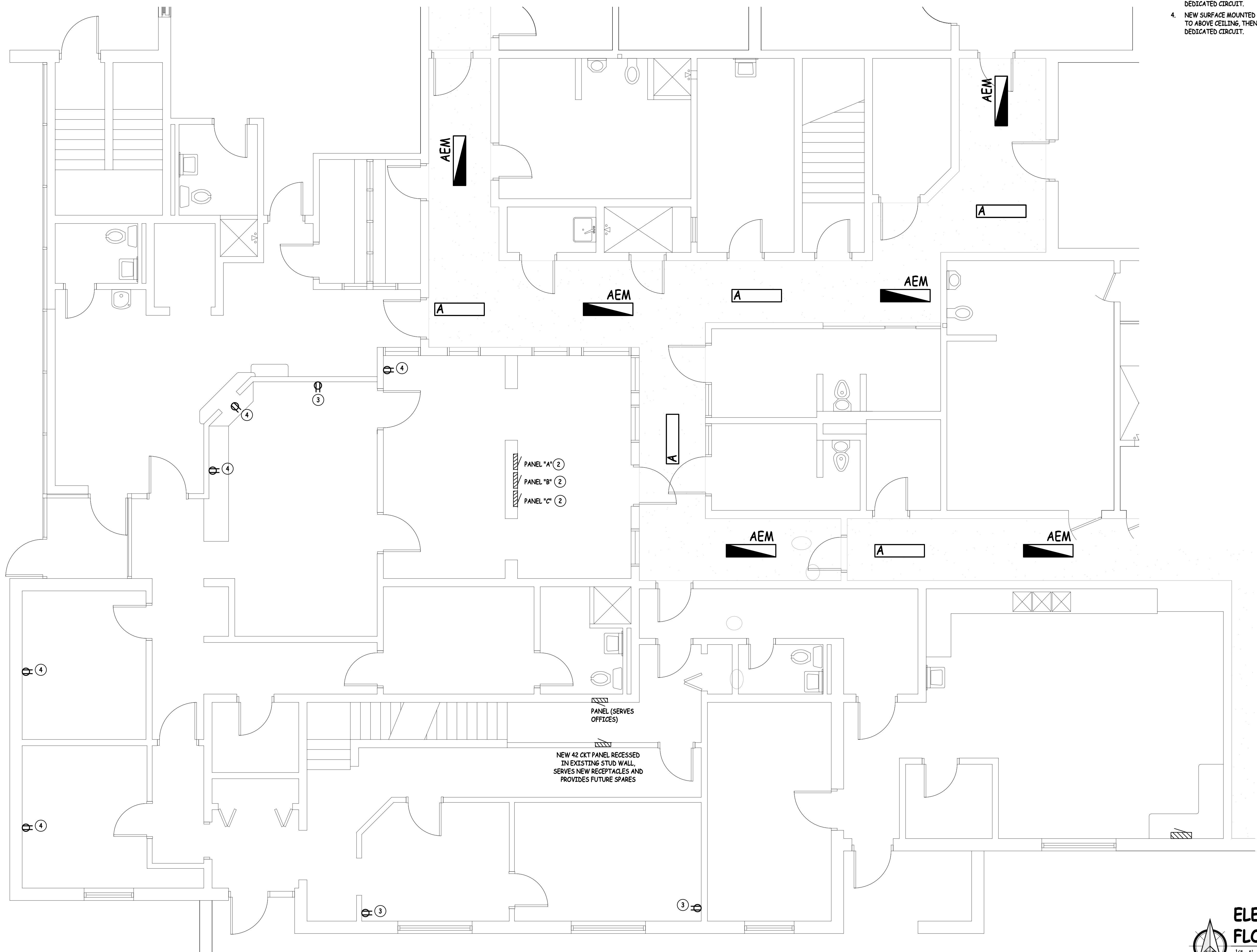
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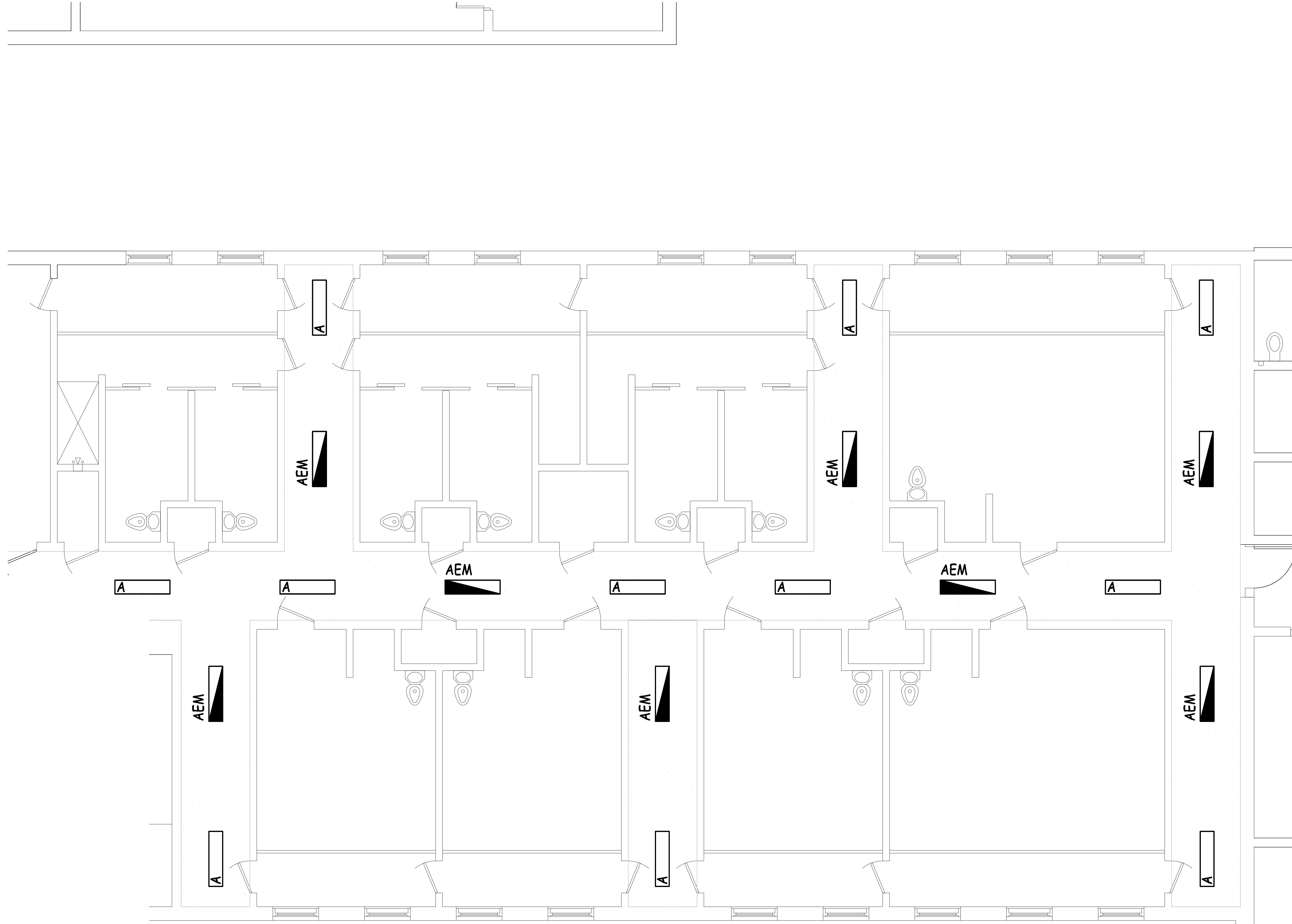
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- KEYED NOTES - E212**
- REPLACE EXISTING 20 SPACE CIRCUIT WITH NEW 42 CIRCUIT PANEL. RECONNECT EXISTING CIRCUITS. ONE FOR ONE. INSTALL 20A SPARES IN ALL CURRENTLY UNUSED SPACES.
 - EXISTING PANEL TO REMAIN IN SERVICE. ELIMINATE "DOUBLED" BREAKER BY RUNNING THESE CIRCUITS TO ADJACENT PANEL "A" OR PANEL "B".
 - NEW RECESSED RECEPTACLE ON STUD WALL. CONCEAL WIRING TO ABOVE CEILING. THEN TO PANEL "A", OR "B" AT THE CONTROL ROOM, DEDICATED CIRCUIT.
 - NEW SURFACE MOUNTED RECEPTACLE, SURFACE MOUNTED WIRE MOLD TO ABOVE CEILING. THEN TO PANEL "A", OR "B" AT THE CONTROL ROOM, DEDICATED CIRCUIT.



ELECTRICAL FIRST FLOOR PLAN PART "B"
 1/4" = 1' - 0"

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ELECTRICAL FIRST FLOOR PLAN PART "C"
 1/4" = 1' - 0"

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