

VICINITY MAP

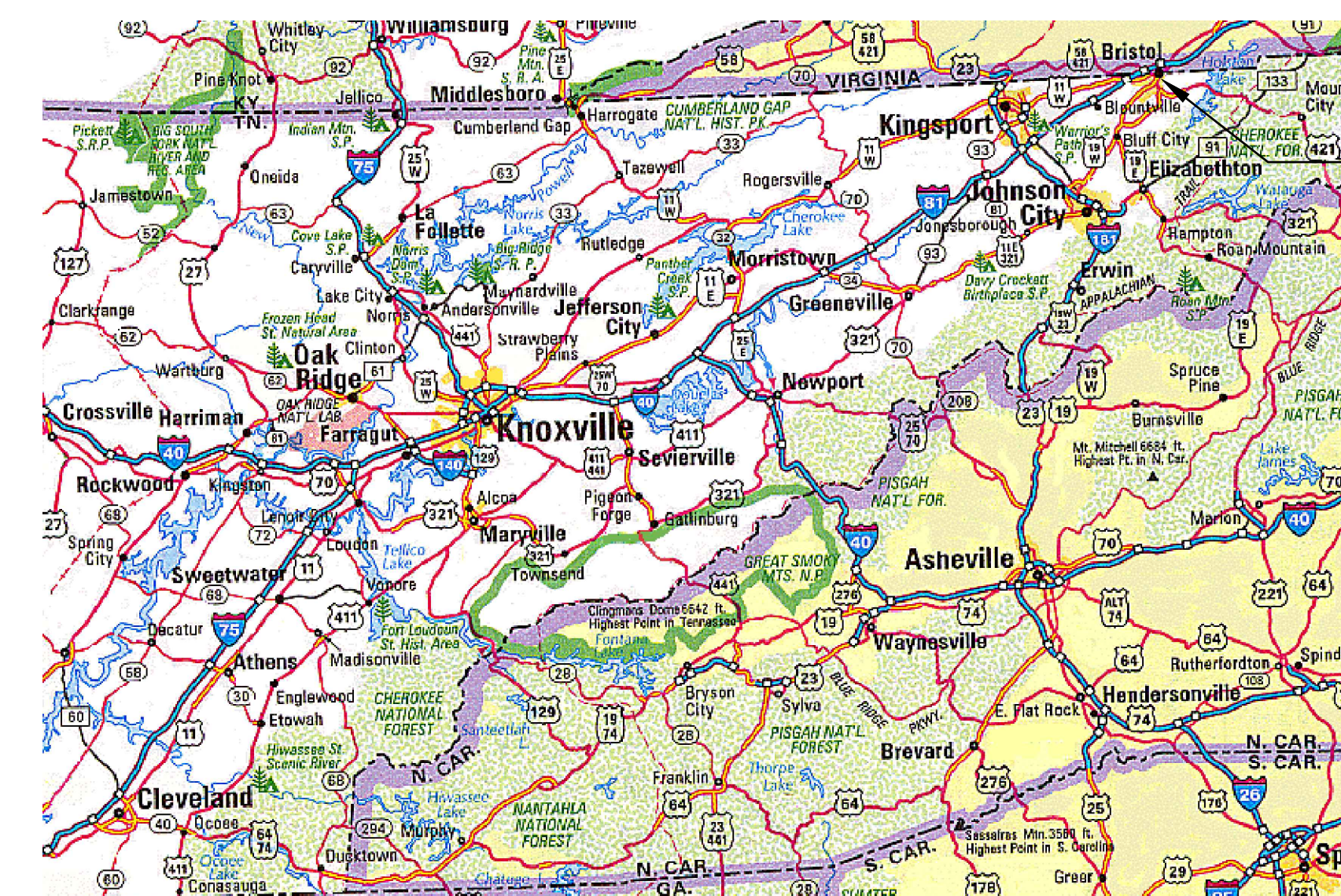


THOMPSON
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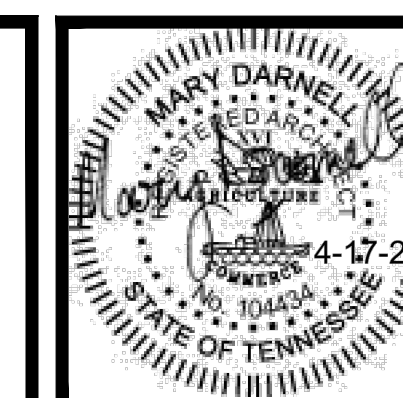
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LOCATION MAP

PROJECT LOCATION

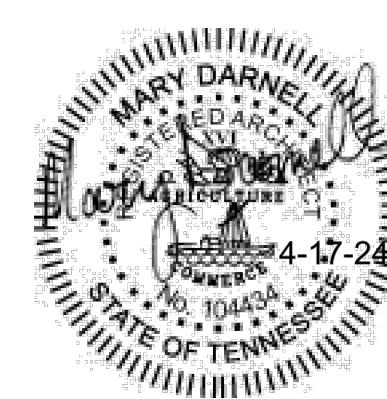


RENOVATIONS TO ADMINISTRATION BUILDING
BRISTOL TENNESSEE CITY SCHOOLS
BRISTOL, TENNESSEE

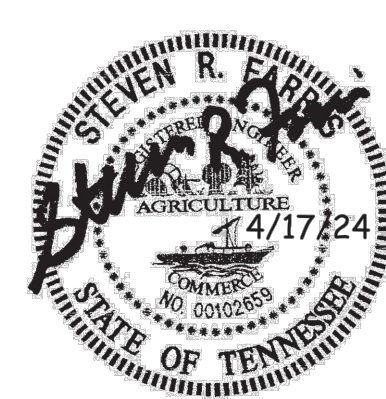
TITLE SHEET

RENOVATIONS TO ADMINISTRATION BUILDING BRISTOL TENNESSEE CITY SCHOOLS BRISTOL, TENNESSEE

PREPARED FOR
BRISTOL TENNESSEE SCHOOL SYSTEM



FOR ARCHITECTURAL & LIFE SAFETY ONLY



FOR PLUMBING ONLY



FOR MECHANICAL ONLY



FOR ELECTRICAL ONLY

ISSUED FOR BIDS
PROJECT NO. 17959
APRIL 2024

CONSTRUCTION PHASING SCHEDULE
SECOND FLOOR WORK COMPLETED PRIOR TO
FIRST FLOOR WORK BEGINS

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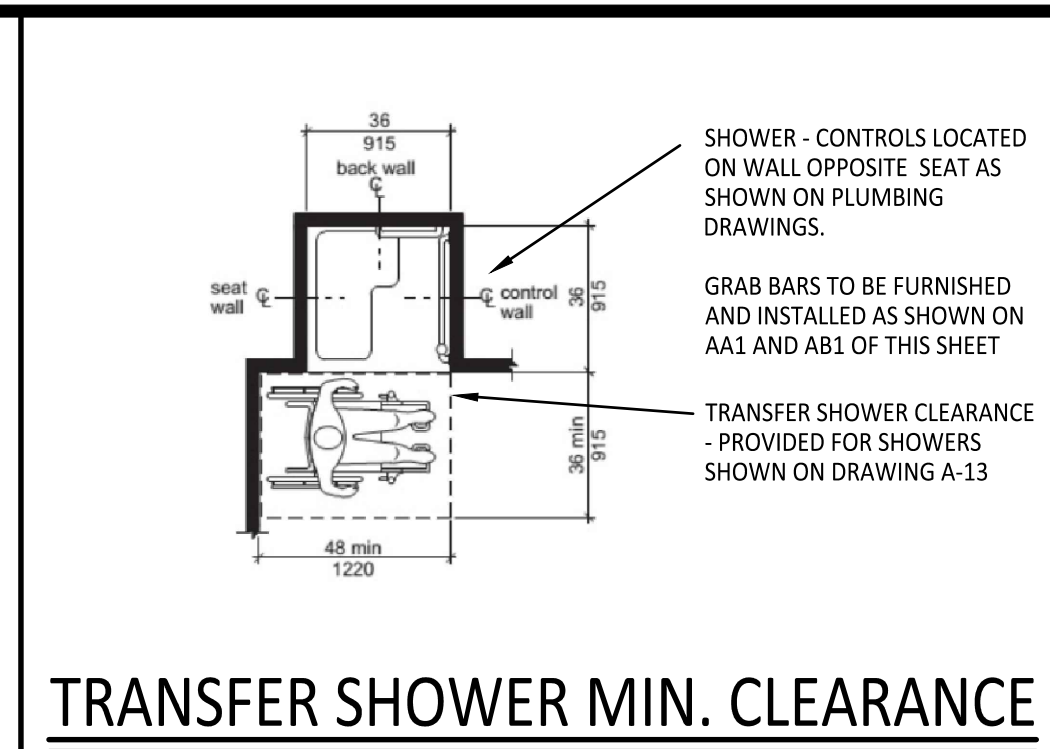
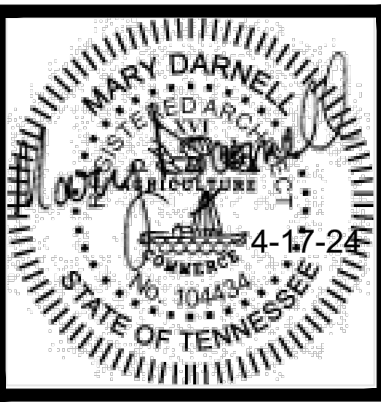
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Project No. 17959



Sheet No. T-1



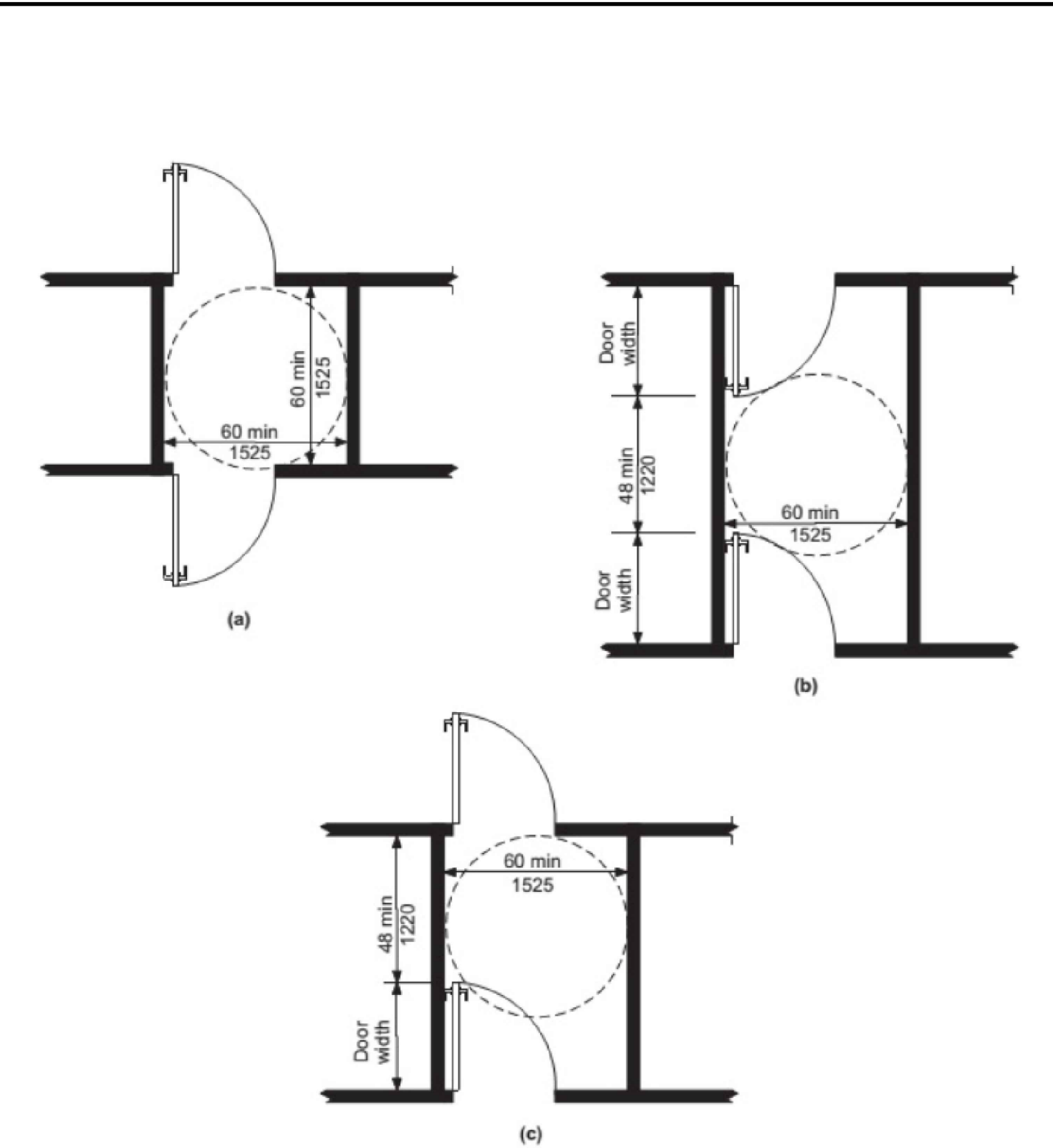
TRANSFER SHOWER MIN. CLEARANCE

GENERAL NOTES

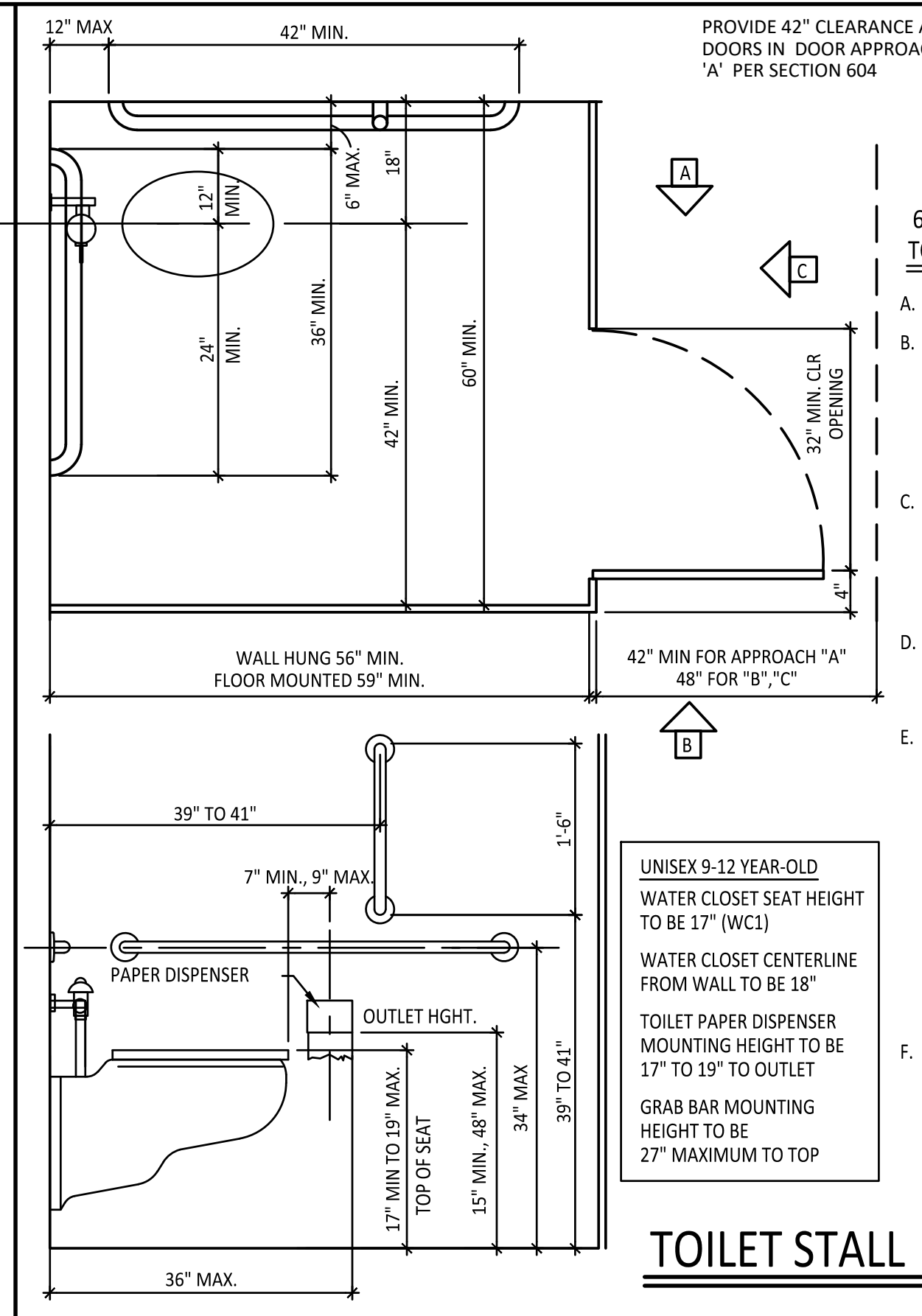
- LAUNDRY EQUIPMENT SHOWN ON PLANS IS NOT IN CONTRACT. (N.I.C.) EQUIPMENT IS SHOWN FOR INSTALLATION OF CONNECTIONS. EQUIPMENT TO BE PROVIDED BY OWNER AS NOTED ON PLANS.
- VERIFICATION: ROOMS DESIGNATED AS "WASH" AND ADJACENT TOILETS ARE NOT DESIGNED OR INTENDED TO BE ADA COMPLIANT.
- REFER TO DRAWING SHEET A-13. CABINETS SHOWN AND NOTED AS #22 AND #24 ARE TO BE OMITTED. CABINETS ARE NOT REQUIRED.

GENERAL NOTES - MOUNTING HEIGHTS

- H.C. INDICATES HANDICAPPED ACCESSIBLE FIXTURE STD. INDICATES STANDARD FIXTURE
- GENERAL CONTRACTOR SHALL COORDINATE TOILET FIXTURE LOCATIONS WITH PLUMBING CONTRACTOR WITH RESPECT TO FLUSH VALVE HEIGHT AND HORIZONTAL LOCATION VS. GRAB BAR LOCATIONS.
NOTE: GRAB BAR HEIGHT IS BASED ON ADAAG AND CANNOT BE CHANGED. TOP OF SEAT HEIGHT IS BASED ON ADAAG AND CANNOT BE CHANGED.
- ALL MOUNTING HEIGHTS ARE ABOVE FINISH FLOOR (CRITICAL FOR ADA COMPLIANCE)
- ALL DIMENSIONS ARE TO FACE OF FINISHED WALL (CRITICAL FOR ADA COMPLIANCE)
- ALL DIMENSIONS TO CONTROLS ARE TO TOP OF BUTTON, LEVER OR KNOB
- WHERE TOILET IS INDICATED TO BE "WALL HUNG OR FLOOR MTD" REFER TO PLUMBING DRAWINGS FOR EXACT FIXTURE



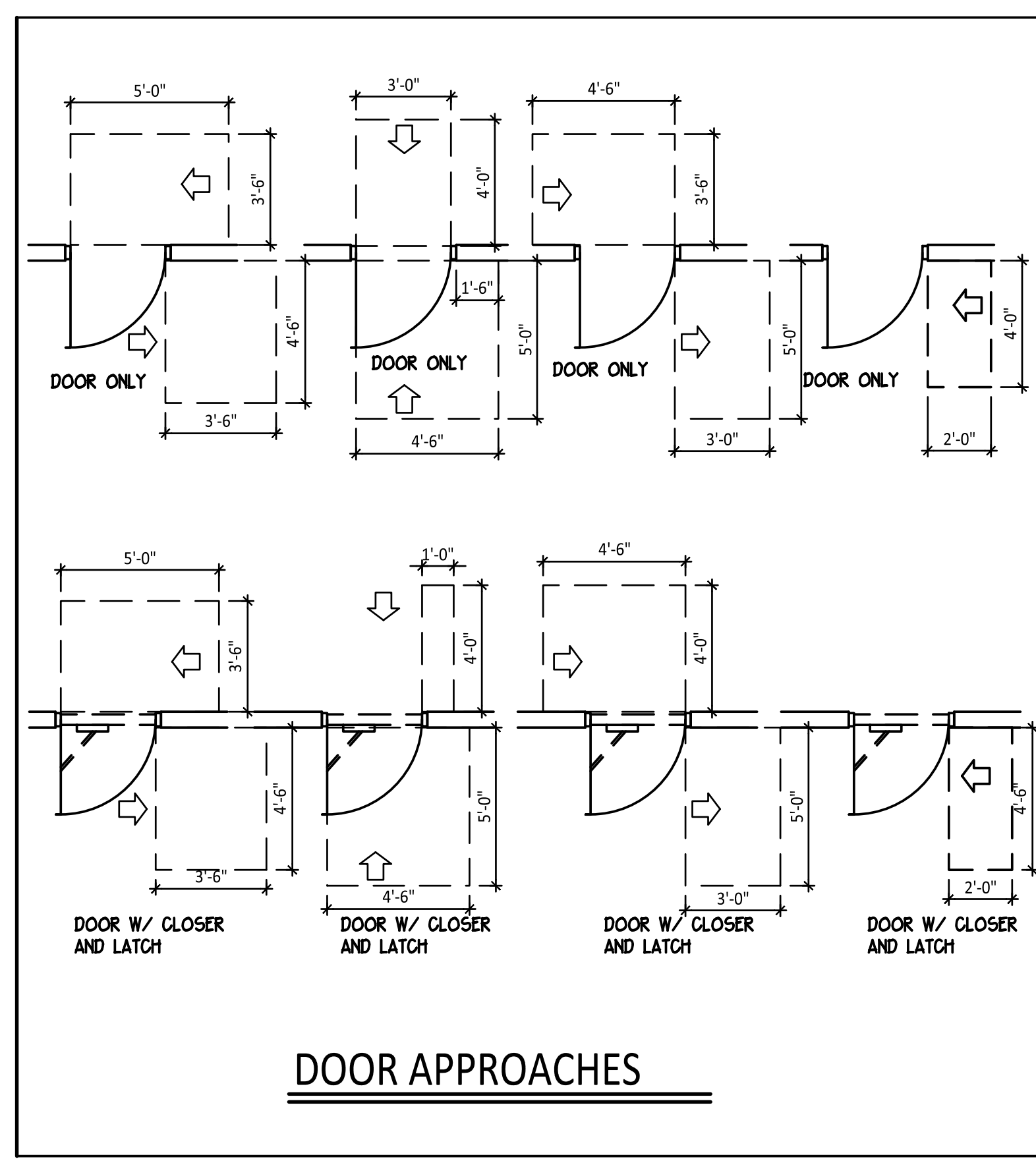
DOORS IN SERIES - MIN. CLEARANCE



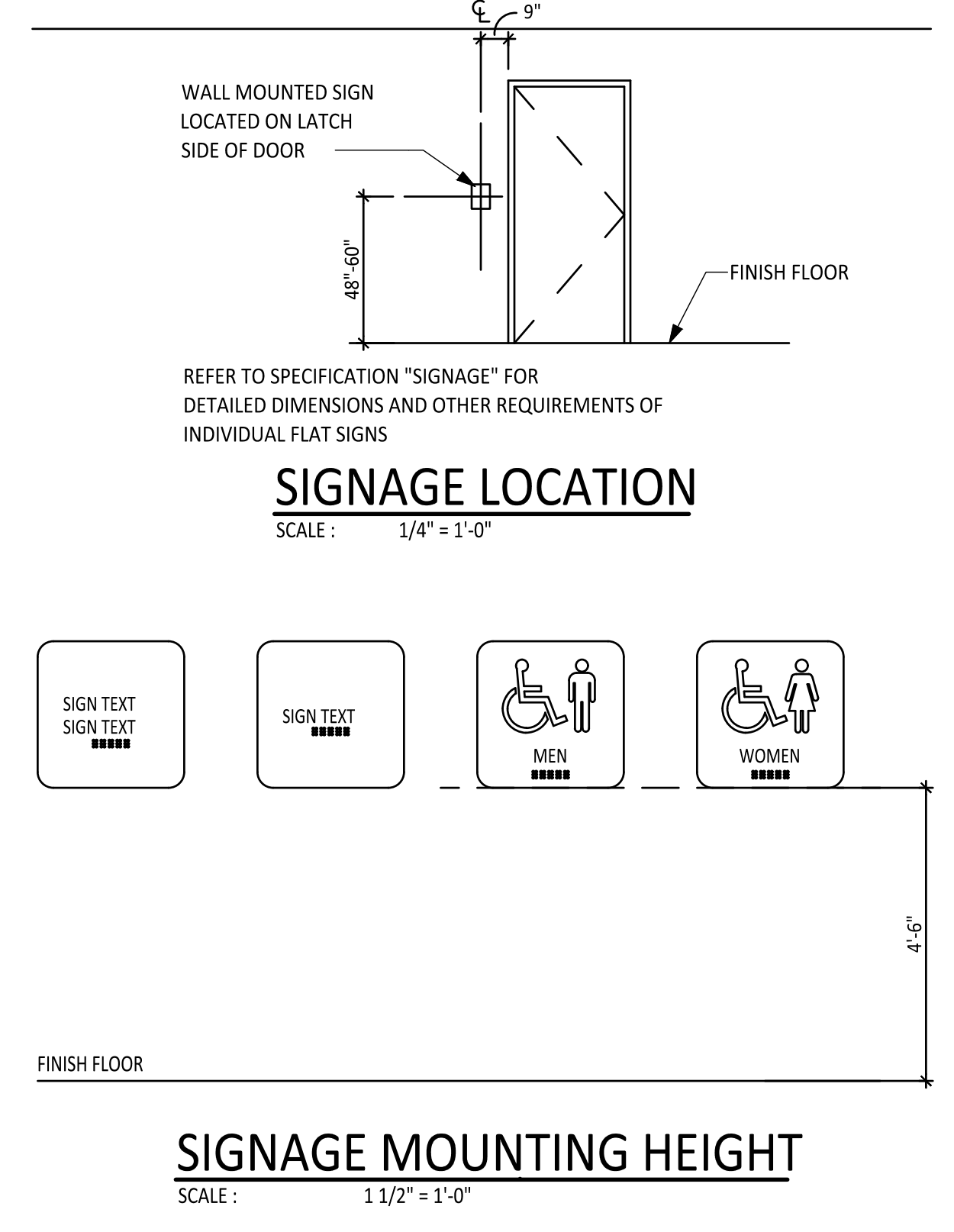
TOILET STALL

604 WATER CLOSETS AND TOILET COMPARTMENTS

- STALL SHALL BE 60" WIDE.
- STALL SHALL BE 59" DEEP WHEN FLOOR MOUNTED WATER CLOSET IS USED, OR 56" DEEP IF WALL MOUNTED FIXTURE IS USED.
- DOORS SHALL HAVE A CLEAR OPENING OF 32" MINIMUM AND SHALL SWING OUT OR SLIDE.
- TOILET SEAT, NOT RIM, SHALL BE 17" TO 19" FROM FLOOR.
- GRAB BARS 1 1/4" TO 1 1/2" OUTSIDE DIAMETER AND 54" LONG SHALL BE INSTALLED ON EACH WALL PARALLEL TO FLOOR AND 1 1/2" FROM WALL, 34" FROM FLOOR. RAILS SHALL BE STAINLESS STEEL OR POLISHED CHROME AND MOUNTED AT ENDS AND CENTER TO SUPPORT A 250 POUND LOAD.
- DISPENSERS AND ACCESSORIES MUST BE LOCATED WITHIN REACH OF SEATED PERSON. ALL OPERATING MECHANISMS SHOULD BE NO HIGHER THAN 48" ABOVE FLOOR.

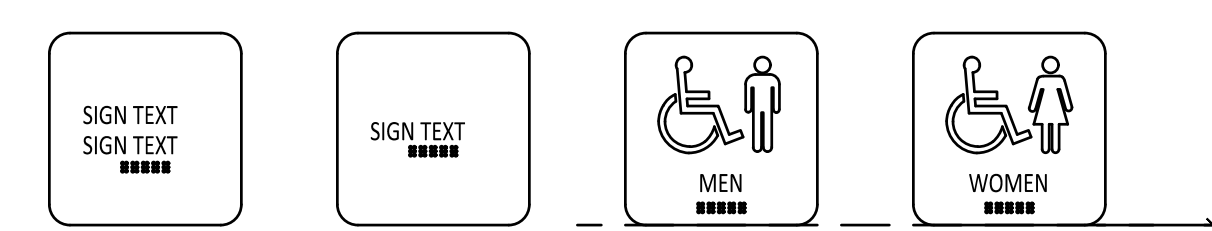


DOOR APPROACHES



SIGNAGE LOCATION

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

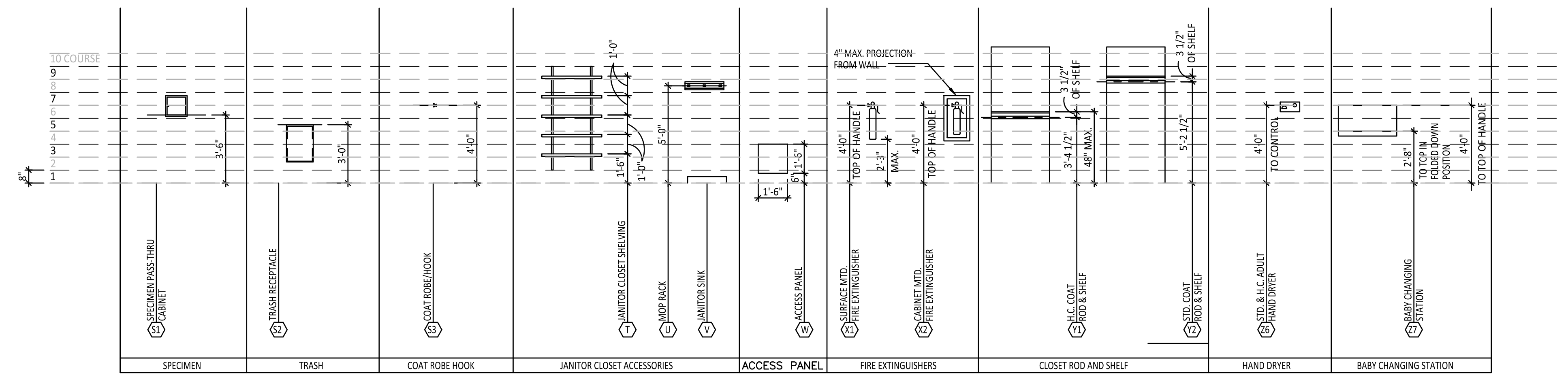


SIGNAGE MOUNTING HEIGHT

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

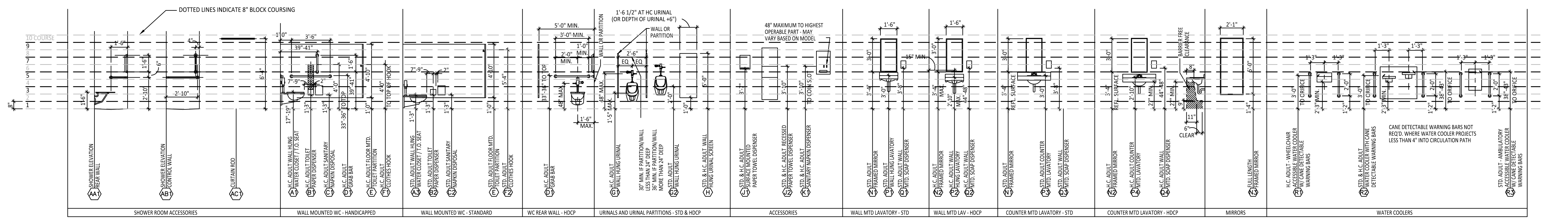
RECOMMENDED HARDWARE LOCATIONS	
LOCKS, LATCHES, ROLLER LATCHES AND DOUBLE HANDLE SETS	38" - 42" CENTERLINE OF LOCK STRIKE FROM BOTTOM OF FRAME (1)
RIM AND MORTISE PANIC DEVICES	38" - 42" CENTERLINE OF LOCK STRIKE FROM BOTTOM OF FRAME (1)
CYLINDRICAL AND MORTISE DEADLOCKS (1)	48" TO CENTERLINE OF STRIKE FROM BOTTOM OF FRAME (2) (3)
PUSH PLATES	CENTERLINE 45" FROM BOTTOM OF FRAME (4)
PULL PLATES	CENTERLINE OF GRIP AT 42" FROM BOTTOM OF FRAME (5)
COMBINATION PUSH BAR	CENTERLINE OF 42" FROM BOTTOM OF FRAME
HOSPITAL ARM PULL	CENTERLINE OF LOWER BASE IS 45" FROM BOTTOM OF FRAME WITH GRIP OPEN AT BOTTOM
PUSH/PULL (HOSPITAL) LATCH	CENTERLINE OF LATCH IS 45 3/4" FROM BOTTOM OF FRAME (6)
HINGES	TOP UP TO 11 3/4" FROM RABBIT SECTION OF FRAME TO CENTERLINE OF HINGE
	BOTTOM UP TO 13" FROM BOTTOM OF FRAME TO CENTERLINE OF HINGE
	INTERMEDIATE EQUALLY SPACED BETWEEN TOP AND BOTTOM HINGES

- ELEMENTARY FACILITIES MAY USE 36" CENTERLINE
- CENTERLINE OF CYLINDER/THUMBTURN CAN BE NO HIGHER THAN 48" A.F.F.
- IF PUSH/PULL PLATE INTERFERES, MOUNT DEADLOCK BELOW PLATE NO LOWER THAN 34" A.F.F.
- ELEMENTARY FACILITIES MAY USE 41" CENTERLINE
- ELEMENTARY FACILITIES MAY USE 38" CENTERLINE
- CAN BE MOUNTED AT SAME HEIGHT AS OTHER LOCKS, ESPECIALLY IN THE CASE OF MORTISE OR KEYPED PUSH/PULL LATCHES



2 MISCELLANEOUS MOUNTING HEIGHTS

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



1 FIXTURE MOUNTING HEIGHTS

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

HANDICAPPED MOUNTING HEIGHTS AND CLEARANCES

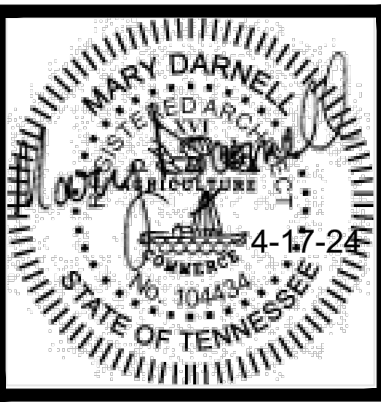
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GENERAL CONSTRUCTION NOTES

- A. ALL CONTRACTORS ARE TO VISIT THE SITE AND THOROUGHLY FAMILIARIZE THEMSELVES WITH THE PROJECT.
- B. ALL DIMENSIONS AND EXISTING CONSTRUCTION AND CONDITIONS ARE TO BE VERIFIED ON THE JOB SITE.
- C. CONTRACTOR SHALL PROVIDE NECESSARY SHORING AND BRACING TO INSURE STRUCTURAL INTEGRITY OF CONSTRUCTION - CONTRACTOR IS RESPONSIBLE FOR SAFETY AT ALL TIMES.
- D. WHERE NEW PENETRATIONS OCCUR (PIPING, DUCTWORK, ETC.) AT CEILINGS, WALLS AND FLOOR - SEAL AND FINISH AREA TO MATCH ADJACENT FINISHES OR AS CALLED FOR ON THE FINISH SCHEDULE.
- E. WHERE EXISTING WALLS, FIXTURES, EQUIPMENT, ETC. ARE REMOVED AND IN ALL AREAS DISTURBED BY NEW CONSTRUCTION - PATCH ALL DISTURBED AREAS TO MATCH ADJACENT FINISHES OR AS CALLED FOR ON THE FINISH SCHEDULE.
- F. WHERE EXISTING MECHANICAL DUCTS, ELECTRICAL WIRING AND CONDUIT, AND PLUMBING ARE REMOVED - SEAL, CLOSE OFF, CAP AND SECURE AT TERMINATIONS OF SUCH LINES.
- G. IN EXISTING BUILDINGS SOME CEILING TILES MAY NEED TO BE REMOVED FOR INSTALLATION OF NEW PIPING - SEE PLUMBING DRAWINGS - ALL EXISTING CEILING TILES THAT ARE DAMAGED BY NEW CONSTRUCTION ARE TO BE REPLACED BY THE GENERAL CONTRACTOR.
- H. ALL NEW OPENINGS REQUIRED BY NEW MECHANICAL WORK ARE TO BE CUT BY THE GENERAL CONTRACTOR.
- I. ALL BLOCK CORNERS ARE TO BE BULLNOSE - TYPICAL UNLESS INDICATED OR SHOWN OTHERWISE.
- J. ALL NEW WALLS ARE TO EXTEND TO BOTTOM OF DECK ABOVE AND TO BE SEALED TIGHT ON BOTH SIDES - TYPICAL UNLESS NOTED OTHERWISE.
- K. THE GENERAL CONTRACTOR WILL CUT ALL TRENCHES IN EXISTING FLOOR AS REQUIRED FOR NEW PLUMBING PIPING. . . . AFTER INSTALLATION OF PIPING IS COMPLETE, THE GENERAL CONTRACTOR IS TO FILL TRENCH WITH NEW CONCRETE TO MAKE FLUSH WITH MAIN FLOOR LEVEL.
- L. WHERE CORRIDOR WALLS ARE TO RECEIVE NEW PAINT : MATCH COLOR AND PATTERN OF EXISTING PAINTED CORRIDOR WALLS.

RENOVATIONS TO ADMINISTRATION BUILDING
BRISTOL TENNESSEE CITY SCHOOLS
 BRISTOL, TENNESSEE
 OVERALL FLOOR PLANS

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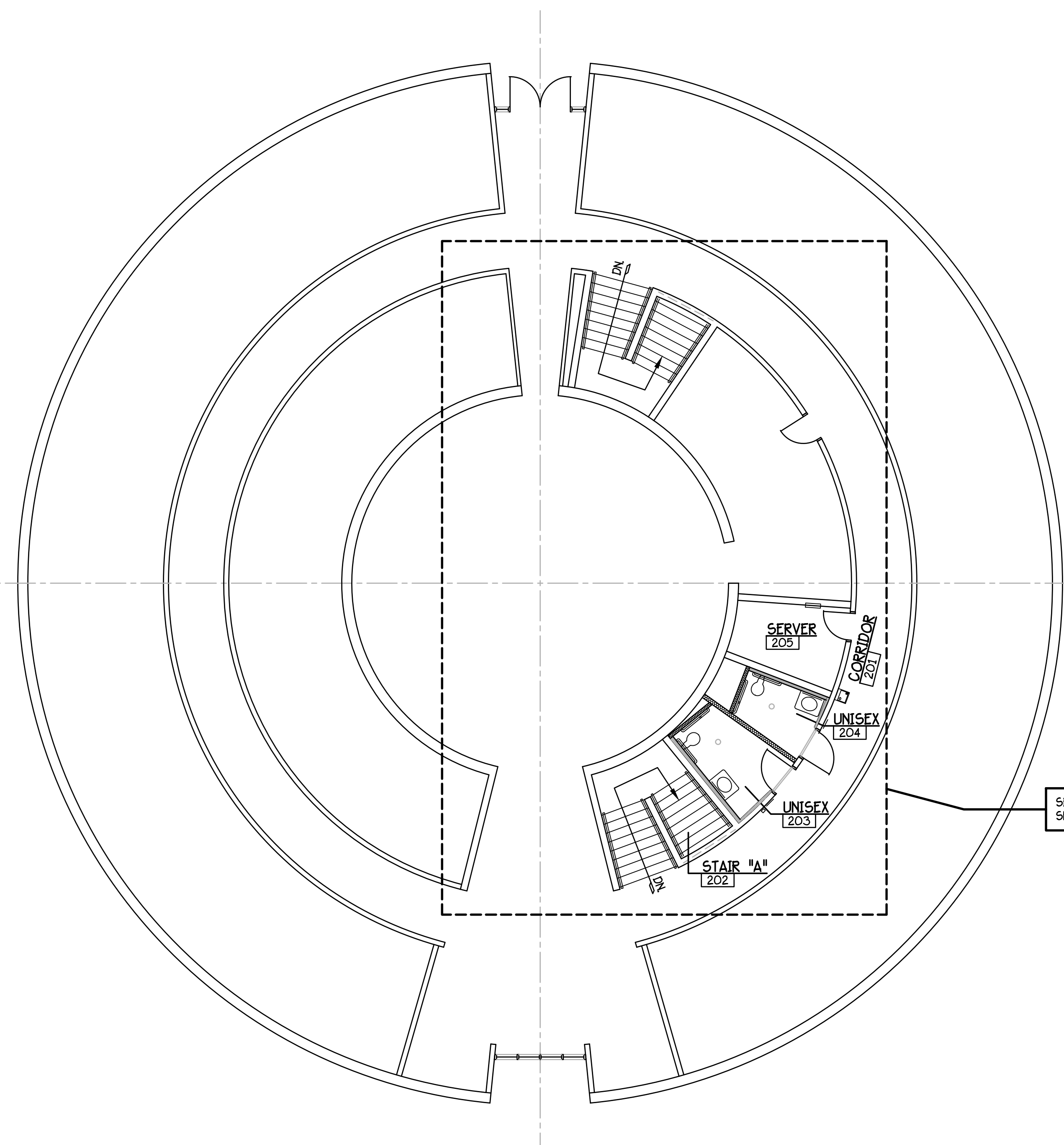
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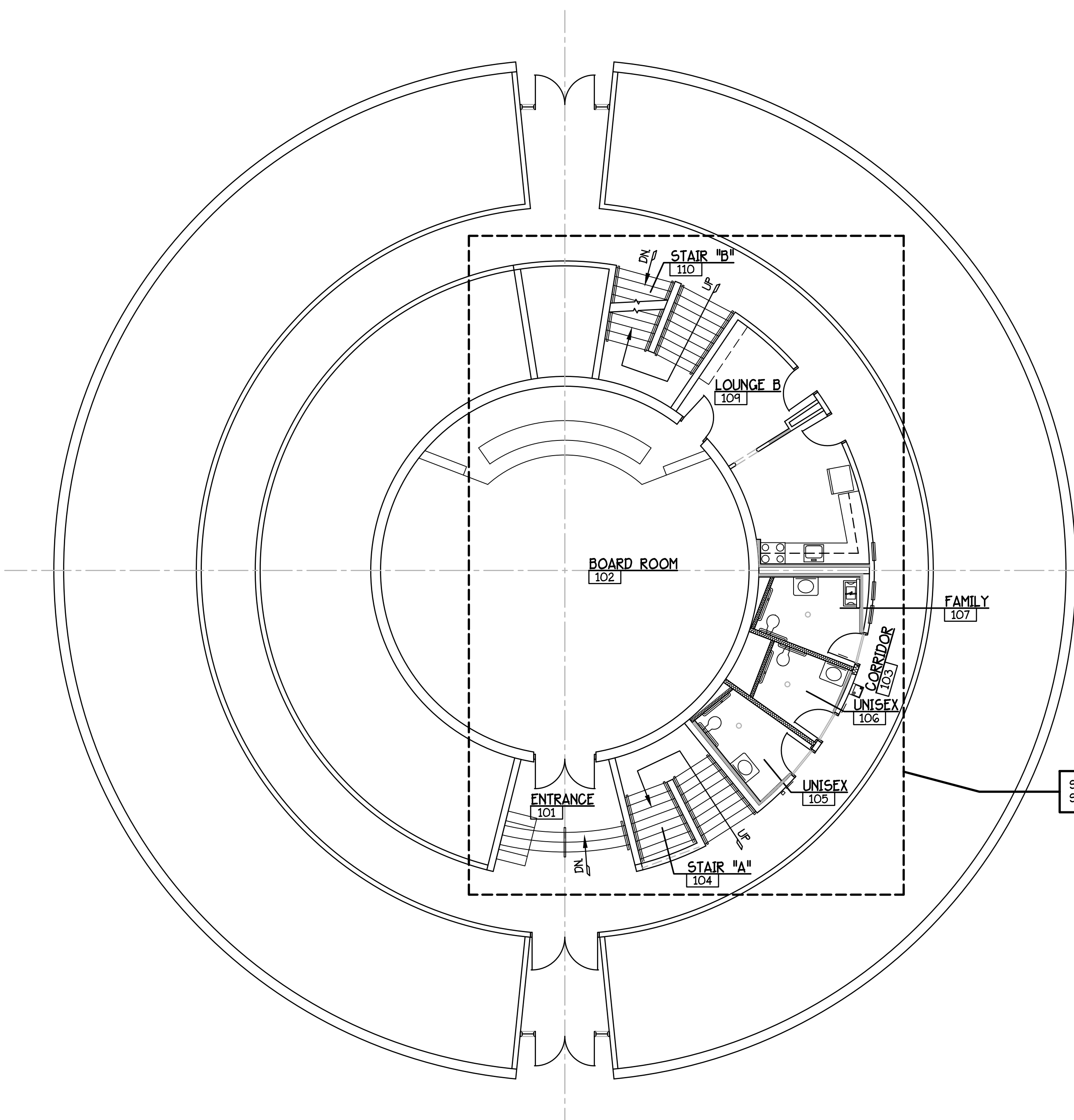


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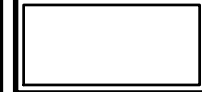







SECOND FLOOR PLAN
SCALE : 1/8" = 1'-0"



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

LEGEND

-  LED LIGHT FIXTURE
-  LED LIGHT FIXTURE
-  SUPPLY DIFFUSER
-  RETURN / EXHAUST AIR GRILLE
-  SMOKE DETECTOR
-  HEAT DETECTOR

NOTE
ALL NEW GYP. BOARD IS TO BE MOISTURE-RESISTANT - SEE SPECS.

NOTE
PAPER TOWEL DISPENSERS, SOAP DISPENSERS, TOILET PAPER DISPENSERS, SANITARY NAPKIN DISPENSERS/DISPOSALS, TRASH RECEPTACLES ARE TO BE FURNISHED AND INSTALLED BY THE OWNER.

NOTE
SEE ELECTRICAL AND MECHANICAL DRAWINGS FOR NEW LIGHTING AND WORK REQUIRED AT LIGHT SWITCHES, THERMOSTATS, ETC.

NOTE
SEE FINISH SCHEDULE FOR ADDITIONAL DEMOLITION

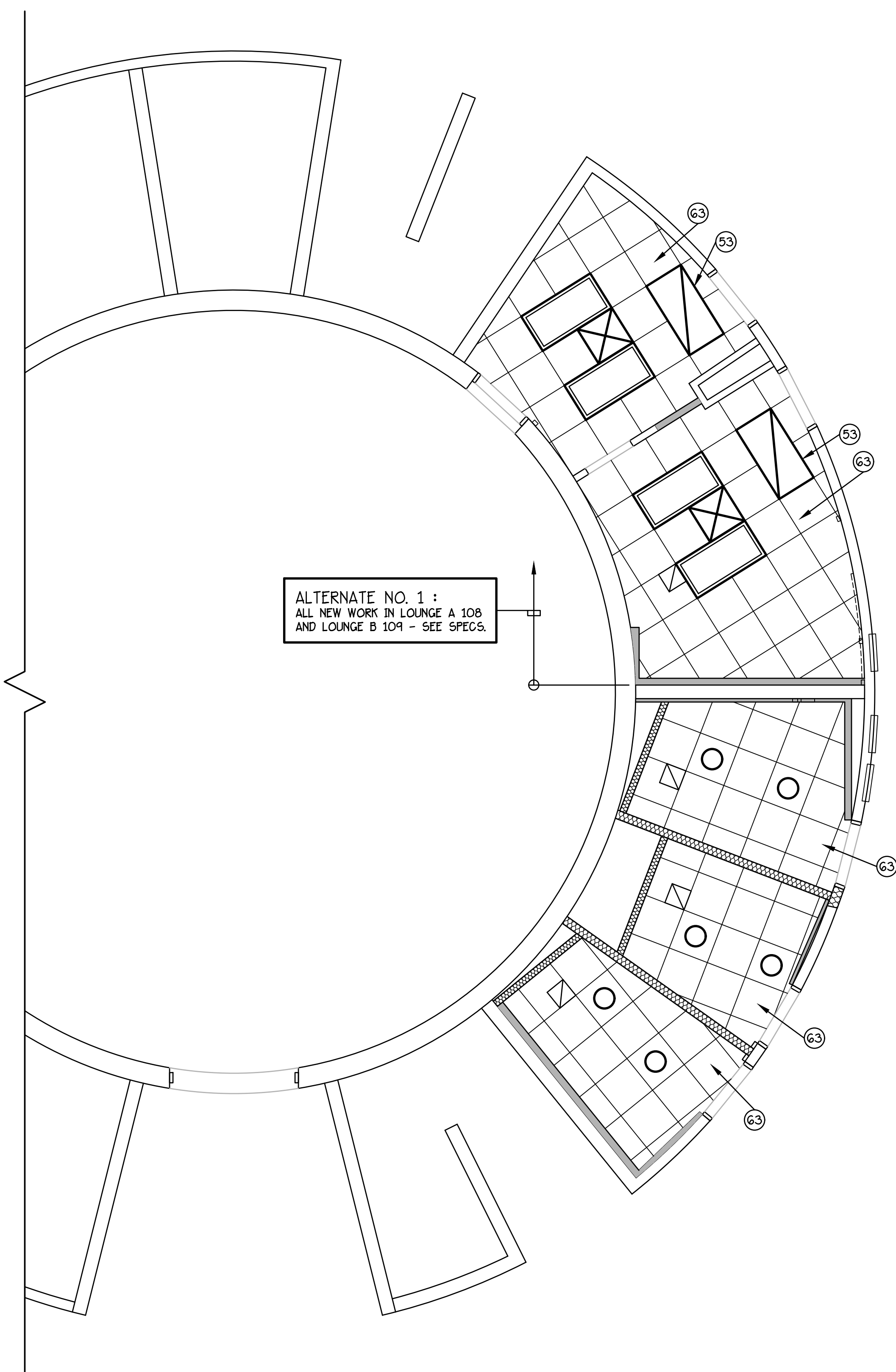
NOTE
CONTRACTOR IS TO VERIFY THE LOCATION OF ALL EXISTING LOAD-BEARING WALLS BEFORE THE DEMOLITION OF ANY EXISTING WALLS OCCURS.

- 58) EXISTING MASONRY BLOCK WALL IS TO RECEIVE NEW 5/8" GYP. BOARD ON NEW 3 5/8" METAL STUDS AT 16" O.C. - NO SOUND BATTS REQUIRED - SEE FINISH SCHEDULE.
- 59) NEW METAL STUD/GYP. BOARD WALL WITH SOUND BATTS - SEE WALL TYPE "X" - SEE FINISH SCHEDULE.
- 57) NEW METAL STUD/GYP. BOARD WALL WITH SOUND BATTS - SEE WALL TYPE "X" EXCEPT NO GYP. BOARD ON UNOCCUPIED SIDE OF WALL - SEE FINISH SCHEDULE.
- 58) IN EXISTING CORRIDOR: FACE OF ALL NEW WALL CONSTRUCTION AND ALL AREAS OF DISTURBED EXISTING MASONRY BLOCK ARE TO RECEIVE NEW PLASTER TO MATCH THE EXISTING.
- 59) ON THIS SECTION OF CORRIDOR WALL: PAINT WALL AND INSTALL NEW RUBBER BASE (MATCH EXISTING HEIGHT) - MATCH EXISTING COLORS ON ADJACENT WALLS.
- 60) NEW REFRIGERATOR IS FURNISHED BY THE OWNER AND INSTALLED BY THE CONTRACTOR.
- 61) NEW SINK WITH GOOSENECK FAUCET - SEE PLUMBING DRAWINGS.
- 62) NEW RANGE WITH NEW MICROWAVE ABOVE ARE FURNISHED BY THE OWNER AND INSTALLED BY THE CONTRACTOR.
- 63) ALL EXISTING CEILING MOUNTED EMERGENCY STROBE-LIGHTS, ETC ARE TO BE REINSTALLED IN NEW CEILING - TO BE CENTERED IN NEW CEILING TILES.
- 64) EXISTING FRAME IS TO BE PAINTED ALL SIDES.
- 65) ON BOARD ROOM 103 SIDE OF WALL: NEW PAINT ONLY AT DISTURBED AREAS OF WALL.
- 66) ALTERNATE NO. 1: ALL NEW WORK IN LOUNGE A 108 AND LOUNGE B 109 - SEE SPECS.
- 67) SEE MILLWORK ELEVATION C/A-4 FOR CABINET WITH SINK IN TOILETS - ALL CORNERS ARE TO BE ROUNDED.
- 57) EXISTING HANDRAIL ON WALL IS TO REMAIN.
- 58) EXISTING HANDRAIL IS TO BE REINSTALLED AT CENTERLINE OF EXISTING STEPS.
- 59) INSTALL NEW "AMERIGLIDE" TITAN INCLINE PLATFORM LIFT - SEE SPECS. - AT EXISTING STEPS: VERIFY RISER HEIGHTS AND TREAD DEPTHS.
- 40) NEW LOCATION OF EXISTING BOTTLE-FILLING UNIT - SEE PLUMBING DRAWINGS.
- 41) INSTALL NEW FLOOR DRAIN - VERIFY EXACT LOCATION ON JOB SITE - SEE PLUMBING DRAWINGS.
- 42) NEW MARBLE THRESHOLD - SEE DETAIL 5/A-4.
- 43) CLOSE OPENING WITH NEW METAL STUDS/GYP. BOARD - MATCH THICKNESS OF EXISTING WALL - INSTALL NEW PLASTER EACH SIDE - SEE FINISH SCHEDULE.
- 44) NEW GRAB BAR(S) - SEE SPECS. GRAB BARS MUST BE PROPERLY ANCHORED TO SUSTAIN A DEAD WEIGHT OF 250 POUNDS FOR 5 MINUTES AT ANY POINT - SEE DETAIL 3/A-4.
- 45) 5'-0" HANDICAPPED TURNING RADIUS.
- 46) NEW MIRROR AT SINK - SEE SPECS.
- 47) PAPER TOWEL DISPENSERS, SOAP DISPENSERS, TOILET PAPER DISPENSERS, SANITARY NAPKIN DISPENSERS/DISPOSALS, TRASH RECEPTACLES ARE TO BE FURNISHED AND INSTALLED BY THE OWNER.
- 48) ALL NEW WALL LOCATIONS AND DIMENSIONS ARE TO BE VERIFIED ON THE JOB SITE.
- 49) INSTALL SIGNAGE LAYOUT "F" AT THIS LOCATION - SEE DETAIL 4/A-4.
- 50) INSTALL SIGNAGE LAYOUT "G" AT THIS LOCATION - SEE DETAIL 4/A-4.
- 51) NEW "FOLD-UP" BABY CHANGING STATION - INSTALL WOOD BLOCKING BETWEEN STUDS AS REQUIRED FOR SOLID ANCHORAGE - VERIFY EXACT LOCATION IN FIELD - SEE SPECS.
- 52) SEE ELEVATION G/A-4 FOR TYPICAL PATTERN OF CERAMIC TILE WALL.
- 53) REMOVE EXISTING "FAN COIL UNIT" - INSTALL NEW UNIT IN NEW CEILING - SEE MECHANICAL DRAWINGS.
- 54) EXISTING MASONRY BLOCK WALL IS TO RECEIVE NEW 5/8" GYP. BOARD ON NEW 1 1/2" METAL FLOORING CHANNELS AT 16" O.C. - NO SOUND BATTS REQUIRED - SEE FINISH SCHEDULE.

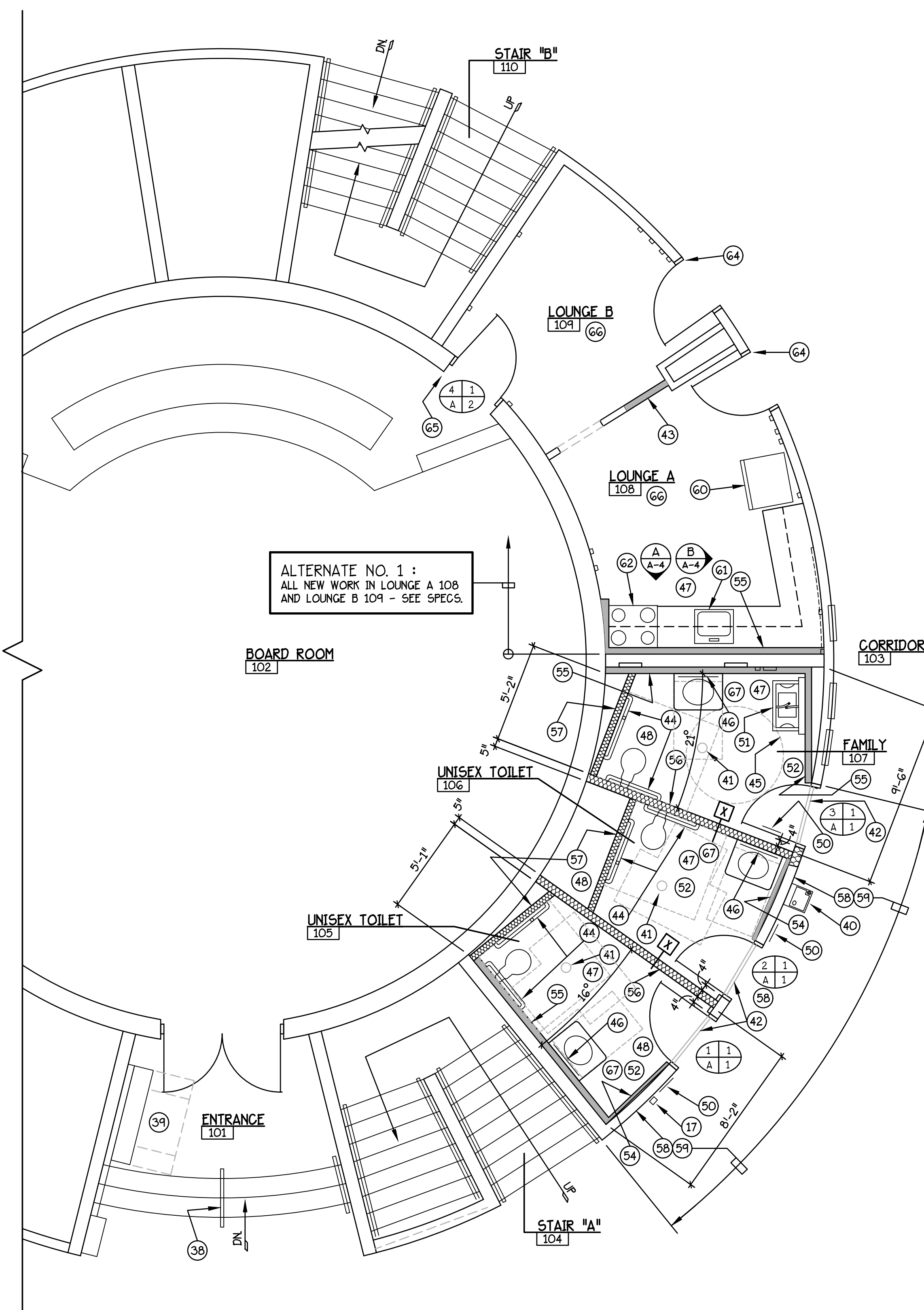
- 17) EXISTING HAND-SANITIZER UNIT TO BE RELOCATED BY THE OWNER.
- 18) REMOVE EXISTING METAL TOILET PARTITIONS AND DOORS.
- 19) REMOVE EXISTING EXHAUST GRILLE IN CEILING - SEE MECHANICAL DRAWINGS FOR NEW EXHAUST FAN.
- 20) REMOVE EXISTING WALL HEATER - SEE RENOVATION PLAN.
- 21) EXISTING JACK AND WIRE-HOLD ON WALL - SEE ELECTRICAL DRAWINGS.
- 22) SEE MECHANICAL FOR WORK AT EXISTING LIGHT SWITCH, THERMOSTAT, ETC.
- 23) REMOVE EXISTING LIGHT SWITCH - SEE ELECTRICAL DRAWINGS FOR LOCATION OF NEW LIGHT SWITCH.
- 24) EXISTING OUTLET IN WALL - SEE ELECTRICAL DRAWINGS.
- 25) EXISTING OUTLET IN WALL - EXTEND/RELOCATE TO FACE OF NEW WALL - SEE ELECTRICAL DRAWINGS.
- 26) EXISTING METAL COVER PLATE ON WALL - EXTEND/RELOCATE TO FACE OF NEW WALL - SEE ELECTRICAL DRAWINGS.
- 27) REMOVE EXISTING LIGHT FIXTURES IN THIS ROOM - SEE REFLECTED CEILING PLAN AND ELECTRICAL DRAWINGS FOR NEW LIGHTING.
- 28) REMOVE EXISTING FURR-DOWN CONSTRUCTION AT CEILING.
- 29) REMOVE EXISTING SINK, BASE CABINET AND WALL CABINET - CAP OFF ALL PLUMBING LINES - SEE PLUMBING DRAWINGS.
- 30) REMOVE EXISTING REFRIGERATOR - TURN OVER TO THE OWNER.
- 31) REMOVE EXISTING RANGE - TURN OVER TO THE OWNER.
- 32) REMOVE EXISTING COUNTERTOP.
- 33) REMOVE EXISTING BASE CABINET - TURN OVER TO THE OWNER.
- 34) REMOVE EXISTING HANDRAIL ON WALL - TURN OVER TO OWNER - PATCH/PAINT WALL TO MATCH EXISTING AT ALL DISTURBED AREAS.
- 35) REMOVE EXISTING HANDRAIL ANCHORED TO FLOOR - TURN OVER TO OWNER - INSTALL NEW LVT AT FLOOR TO MATCH EXISTING AT ALL DISTURBED AREAS - LVT IS FURNISHED BY THE OWNER.
- 36) REMOVE EXISTING HANDRAIL ANCHORED TO FLOOR - INSTALL NEW LVT AT FLOOR TO MATCH EXISTING AT ALL DISTURBED AREAS - LVT IS FURNISHED BY THE OWNER. HANDRAIL TO BE REINSTALLED AS PER RENOVATION PLAN.

PLAN NOTES

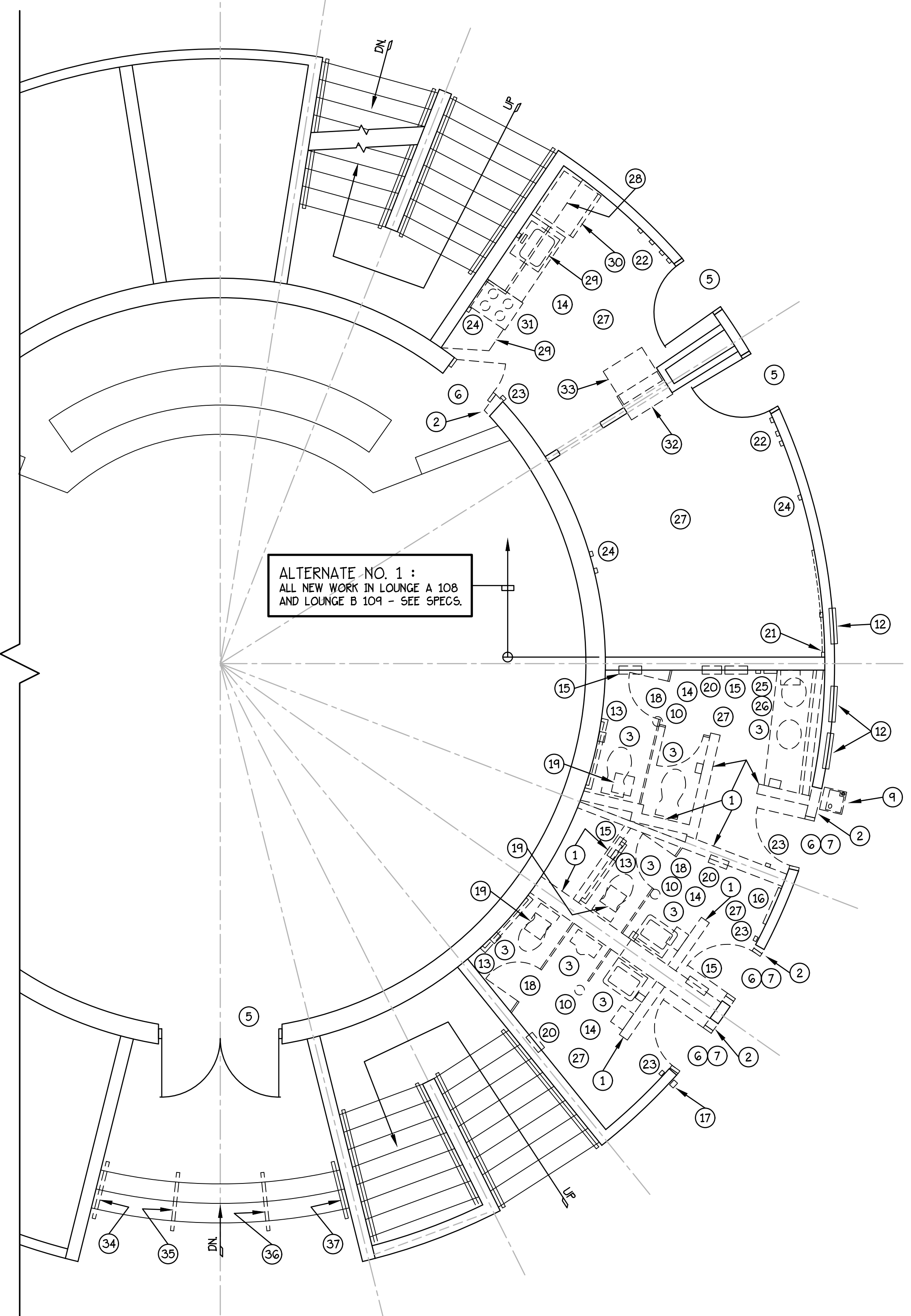
- 1) REMOVE SECTION OF EXISTING MASONRY BLOCK WALL AS INDICATED BY DASH LINES.
- 2) REMOVE SECTION OF EXISTING MASONRY BLOCK WALL AS REQUIRED FOR INSTALLATION OF NEW DOOR AND FRAME - SEE RENOVATION PLAN.
- 3) AT FIRST FLOOR: REMOVE EXISTING PLUMBING FIXTURE - CAP OFF ALL PLUMBING LINES - SEE PLUMBING DRAWINGS - REMOVE CONCRETE FLOOR SLAB IN THIS TOILET ROOM FOR INSTALLATION OF NEW PLUMBING LINES - VERIFY EXACT LOCATION WITH PLUMBING DRAWINGS - AFTER INSTALLATION OF NEW PLUMBING LINES IS COMPLETE: INSTALL NEW 4" THICK CONCRETE SLAB - SEE DETAIL 2/A-4.
- 4) AT SECOND FLOOR: REMOVE EXISTING PLUMBING FIXTURE - CAP OFF ALL PLUMBING LINES - SEE PLUMBING DRAWINGS - REMOVE CONCRETE FLOOR SLAB IN THIS TOILET ROOM FOR INSTALLATION OF NEW PLUMBING LINES - VERIFY EXACT LOCATION WITH PLUMBING DRAWINGS - AFTER INSTALLATION OF NEW PLUMBING LINES IS COMPLETE: INSTALL NEW 4" THICK CONCRETE SLAB - SEE DETAIL 2/A-4.
- 5) EXISTING DOOR(S), FRAME AND HARDWARE ARE TO REMAIN.
- 6) REMOVE EXISTING DOOR, FRAME AND HARDWARE - SEE RENOVATION PLAN - EXISTING CONTINUOUS BOND BEAM AT HEAD IS TO REMAIN.
- 7) REMOVE EXISTING THRESHOLD MEMBER.
- 8) EXISTING BOTTLE-FILLING UNIT IS TO REMAIN.
- 9) EXISTING BOTTLE-FILLING UNIT IS TO BE RELOCATED - SEE RENOVATION PLAN.
- 10) AT FIRST FLOOR: REMOVE EXISTING FLOOR DRAIN.
- 11) AT SECOND FLOOR: REMOVE EXISTING FLOOR DRAIN - OPENING IN FLOOR IS TO BE FILLED WITH CONCRETE TO MAKE FLUSH WITH FLOOR SURFACE.
- 12) EXISTING ELECTRICAL PANELBOARDS.
- 13) REMOVE EXISTING GRAB BARS - TURN OVER TO THE OWNER.
- 14) REMOVE EXISTING TOILET ACCESSORIES (PAPER TOWEL DISPENSERS, SOAP DISPENSERS, ETC.).
- 15) REMOVE EXISTING SANITARY NAPKIN DISPENSERS AND SANITARY NAPKIN DISPOSALS IN WALL.
- 16) REMOVE EXISTING FULL-LENGTH MIRROR - TURN OVER TO THE OWNER.



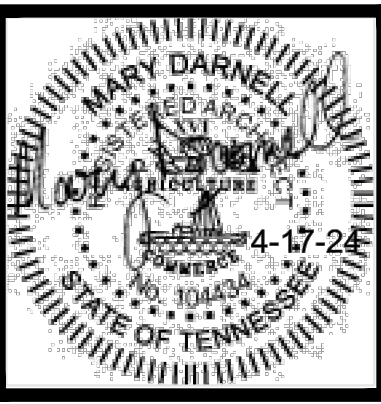
FIRST FLOOR - REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"



FIRST FLOOR - RENOVATION PLAN
SCALE: 1/4" = 1'-0"



FIRST FLOOR - DEMOLITION PLAN
SCALE: 1/4" = 1'-0"



RENOVATIONS TO ADMINISTRATION BUILDING
BRISTOL TENNESSEE CITY SCHOOLS
 BRISTOL, TENNESSEE
FIRST FLOOR - DEMOLITION PLAN, RENOVATION PLAN, REFLECTED CEILING PLAN

Purpose of Document Issue	
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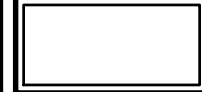





Project No. **17959**



Sheet No.

A-2

LEGEND

-  LED LIGHT FIXTURE
-  LED LIGHT FIXTURE
-  SUPPLY DIFFUSER
-  RETURN / EXHAUST AIR GRILLE
-  SMOKE DETECTOR
-  HEAT DETECTOR

NOTE
ALL NEW GYP. BOARD IS TO BE MOISTURE-RESISTANT - SEE SPECS.

NOTE
PAPER TOWEL DISPENSERS, SOAP DISPENSERS, TOILET PAPER DISPENSERS, SANITARY NAPKIN DISPENSERS/DISPOSALS, TRASH RECEPTACLES ARE TO BE FURNISHED AND INSTALLED BY THE OWNER.

NOTE
SEE ELECTRICAL AND MECHANICAL DRAWINGS FOR NEW LIGHTING AND WORK REQUIRED AT LIGHT SWITCHES, THERMOSTATS, ETC.

NOTE
SEE FINISH SCHEDULE FOR ADDITIONAL DEMOLITION

NOTE
CONTRACTOR IS TO VERIFY THE LOCATION OF ALL EXISTING LOAD-BEARING WALLS BEFORE THE DEMOLITION OF ANY EXISTING WALLS OCCURS.

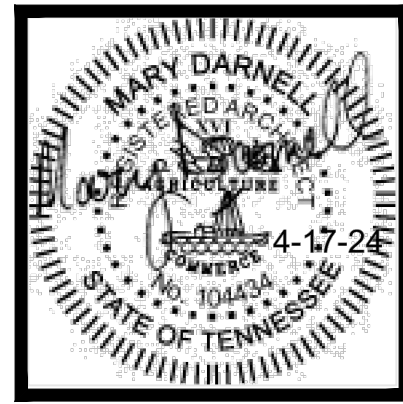
- 56 EXISTING MASONRY BLOCK WALL IS TO RECEIVE NEW 5/8" GYP. BOARD ON NEW 3 5/8" METAL STUDS AT 16" O.C. - NO SOUND BATTS REQUIRED - SEE FINISH SCHEDULE.
- 56 NEW METAL STUD/GYP. BOARD WALL WITH SOUND BATTS - SEE WALL TYPE "X" - SEE FINISH SCHEDULE.
- 57 NEW METAL STUD/GYP. BOARD WALL WITH SOUND BATTS - SEE WALL TYPE "X" EXCEPT NO GYP. BOARD ON UNOCCUPIED SIDE OF WALL - SEE FINISH SCHEDULE.
- 58 IN EXISTING CORRIDOR : FACE OF ALL NEW WALL CONSTRUCTION AND ALL AREAS OF DISTURBED EXISTING MASONRY BLOCK ARE TO RECEIVE NEW PLASTER TO MATCH THE EXISTING.
- 59 ON THIS SECTION OF CORRIDOR WALL : PAINT WALL AND INSTALL NEW RUBBER BASE (MATCH EXISTING HEIGHT) - MATCH EXISTING COLORS ON ADJACENT WALLS.
- 60 NEW REFRIGERATOR IS FURNISHED BY THE OWNER AND INSTALLED BY THE CONTRACTOR.
- 61 NEW SINK WITH GOOSENECK FAUCET - SEE PLUMBING DRAWINGS.
- 62 NEW RANGE WITH NEW MICROWAVE ABOVE ARE FURNISHED BY THE OWNER AND INSTALLED BY THE CONTRACTOR.
- 63 ALL EXISTING CEILING MOUNTED EMERGENCY STROBE-LIGHTS, ETC ARE TO BE REINSTALLED IN NEW CEILING - TO BE CENTERED IN NEW CEILING TILES.
- 64 EXISTING FRAME IS TO BE PAINTED ALL SIDES.
- 65 ON BOARD ROOM 103 SIDE OF WALL : NEW PAINT ONLY AT DISTURBED AREAS OF WALL.
- 66 ALTERNATE NO. 1 : ALL NEW WORK IN LOUNGE A 108 AND LOUNGE B 109 - SEE SPECS.
- 67 SEE MILLWORK ELEVATION C/A-4 FOR CABINET WITH SINK IN TOILETS - ALL CORNERS ARE TO BE ROUNDED.

- 57 EXISTING HANDRAIL ON WALL IS TO REMAIN
- 58 EXISTING HANDRAIL IS TO BE REINSTALLED AT CENTERLINE OF EXISTING STEPS.
- 59 INSTALL NEW "AMERIGLIDE" TITAN INCLINE PLATFORM LIFT - SEE SPECS. - AT EXISTING STEPS : VERIFY RISER HEIGHTS AND TREAD DEPTHS.
- 60 NEW LOCATION OF EXISTING BOTTLE-FILLING UNIT - SEE PLUMBING DRAWINGS.
- 61 INSTALL NEW FLOOR DRAIN - VERIFY EXACT LOCATION ON JOB SITE - SEE PLUMBING DRAWINGS.
- 62 NEW MARBLE THRESHOLD - SEE DETAIL 5/A-4.
- 63 CLOSE OPENING WITH NEW METAL STUDS/GYP. BOARD - MATCH THICKNESS OF EXISTING WALL - INSTALL NEW PLASTER EACH SIDE - SEE FINISH SCHEDULE.
- 64 NEW GRAB BAR(S) - SEE SPECS. GRAB BARS MUST BE PROPERLY ANCHORED TO SUSTAIN A DEAD WEIGHT OF 250 POUNDS FOR 5 MINUTES AT ANY POINT - SEE DETAIL 3/A-4.
- 65 5'-0" HANDICAPPED TURNING RADIUS.
- 66 NEW MIRROR AT SINK - SEE SPECS.
- 67 PAPER TOWEL DISPENSERS, SOAP DISPENSERS, TOILET PAPER DISPENSERS, SANITARY NAPKIN DISPENSERS/DISPOSALS, TRASH RECEPTACLES ARE TO BE FURNISHED AND INSTALLED BY THE OWNER.
- 68 ALL NEW WALL LOCATIONS AND DIMENSIONS ARE TO BE VERIFIED ON THE JOB SITE.
- 69 INSTALL SIGNAGE LAYOUT "F" AT THIS LOCATION - SEE DETAIL 4/A-4.
- 70 INSTALL SIGNAGE LAYOUT "G" AT THIS LOCATION - SEE DETAIL 4/A-4.
- 71 NEW "FOLD-UP" BABY CHANGING STATION - INSTALL WOOD BLOCKING BETWEEN STUDS AS REQUIRED FOR SOLID ANCHORAGE - VERIFY EXACT LOCATION IN FIELD - SEE SPECS.
- 72 SEE ELEVATION G/A-4 FOR TYPICAL PATTERN OF CERAMIC TILE WALL.
- 73 REMOVE EXISTING "FAN COIL UNIT" - INSTALL NEW UNIT IN NEW CEILING - SEE MECHANICAL DRAWINGS.
- 74 EXISTING MASONRY BLOCK WALL IS TO RECEIVE NEW 5/8" GYP. BOARD ON NEW 1 1/2" METAL FLOORING CHANNELS AT 16" O.C. - NO SOUND BATTS REQUIRED - SEE FINISH SCHEDULE.

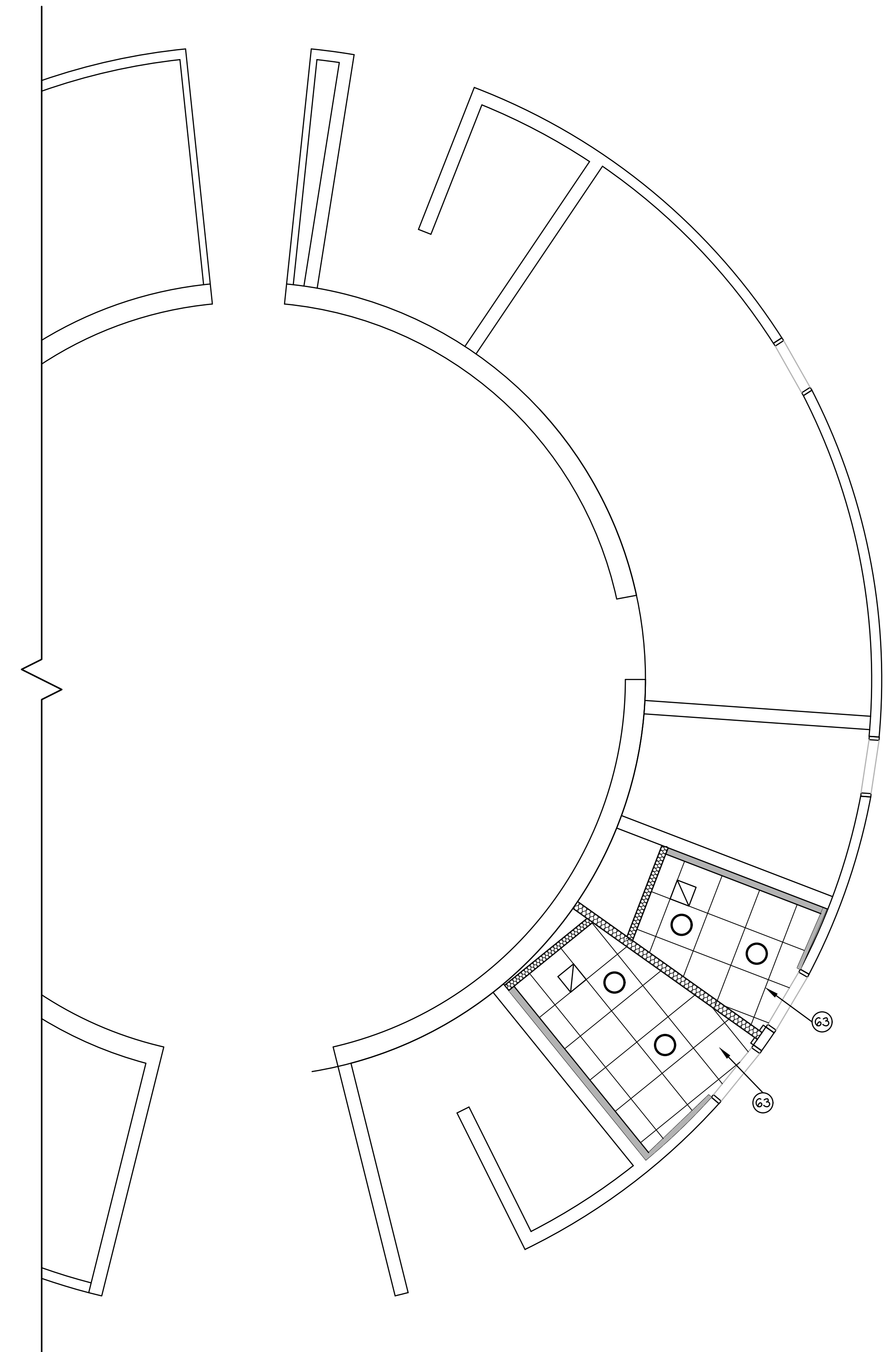
- 17 EXISTING HAND-SANITIZER UNIT TO BE RELOCATED BY THE OWNER.
- 18 REMOVE EXISTING METAL TOILET PARTITIONS AND DOORS.
- 19 REMOVE EXISTING EXHAUST GRILLE IN CEILING - SEE MECHANICAL DRAWINGS FOR NEW EXHAUST FAN.
- 20 REMOVE EXISTING WALL HEATER - SEE RENOVATION PLAN.
- 21 EXISTING JACK AND WIRE-HOLD ON WALL - SEE ELECTRICAL DRAWINGS.
- 22 SEE MECHANICAL FOR WORK AT EXISTING LIGHT SWITCH, THERMOSTAT, ETC.
- 23 REMOVE EXISTING LIGHT SWITCH - SEE ELECTRICAL DRAWINGS FOR LOCATION OF NEW LIGHT SWITCH.
- 24 EXISTING OUTLET IN WALL - SEE ELECTRICAL DRAWINGS.
- 25 EXISTING OUTLET IN WALL - EXTEND/RELOCATE TO FACE OF NEW WALL - SEE ELECTRICAL DRAWINGS.
- 26 EXISTING METAL COVER PLATE ON WALL - EXTEND/RELOCATE TO FACE OF NEW WALL - SEE ELECTRICAL DRAWINGS.
- 27 REMOVE EXISTING LIGHT FIXTURES IN THIS ROOM - SEE REFLECTED CEILING PLAN AND ELECTRICAL DRAWINGS FOR NEW LIGHTING.
- 28 REMOVE EXISTING FURR-DOWN CONSTRUCTION AT CEILING.
- 29 REMOVE EXISTING SINK, BASE CABINET AND WALL CABINET - CAP OFF ALL PLUMBING LINES - SEE PLUMBING DRAWINGS.
- 30 REMOVE EXISTING REFRIGERATOR - TURN OVER TO THE OWNER.
- 31 REMOVE EXISTING RANGE - TURN OVER TO THE OWNER.
- 32 REMOVE EXISTING COUNTERTOP.
- 33 REMOVE EXISTING BASE CABINET - TURN OVER TO THE OWNER.
- 34 REMOVE EXISTING HANDRAIL ON WALL - TURN OVER TO OWNER - PATCH/PAINT WALL TO MATCH EXISTING AT ALL DISTURBED AREAS.
- 35 REMOVE EXISTING HANDRAIL ANCHORED TO FLOOR - TURN OVER TO OWNER - INSTALL NEW LVT AT FLOOR TO MATCH EXISTING AT ALL DISTURBED AREAS - LVT IS FURNISHED BY THE OWNER.
- 36 REMOVE EXISTING HANDRAIL ANCHORED TO FLOOR - INSTALL NEW LVT AT FLOOR TO MATCH EXISTING AT ALL DISTURBED AREAS - LVT IS FURNISHED BY THE OWNER. HANDRAIL TO BE REINSTALLED AS PER RENOVATION PLAN.

PLAN NOTES

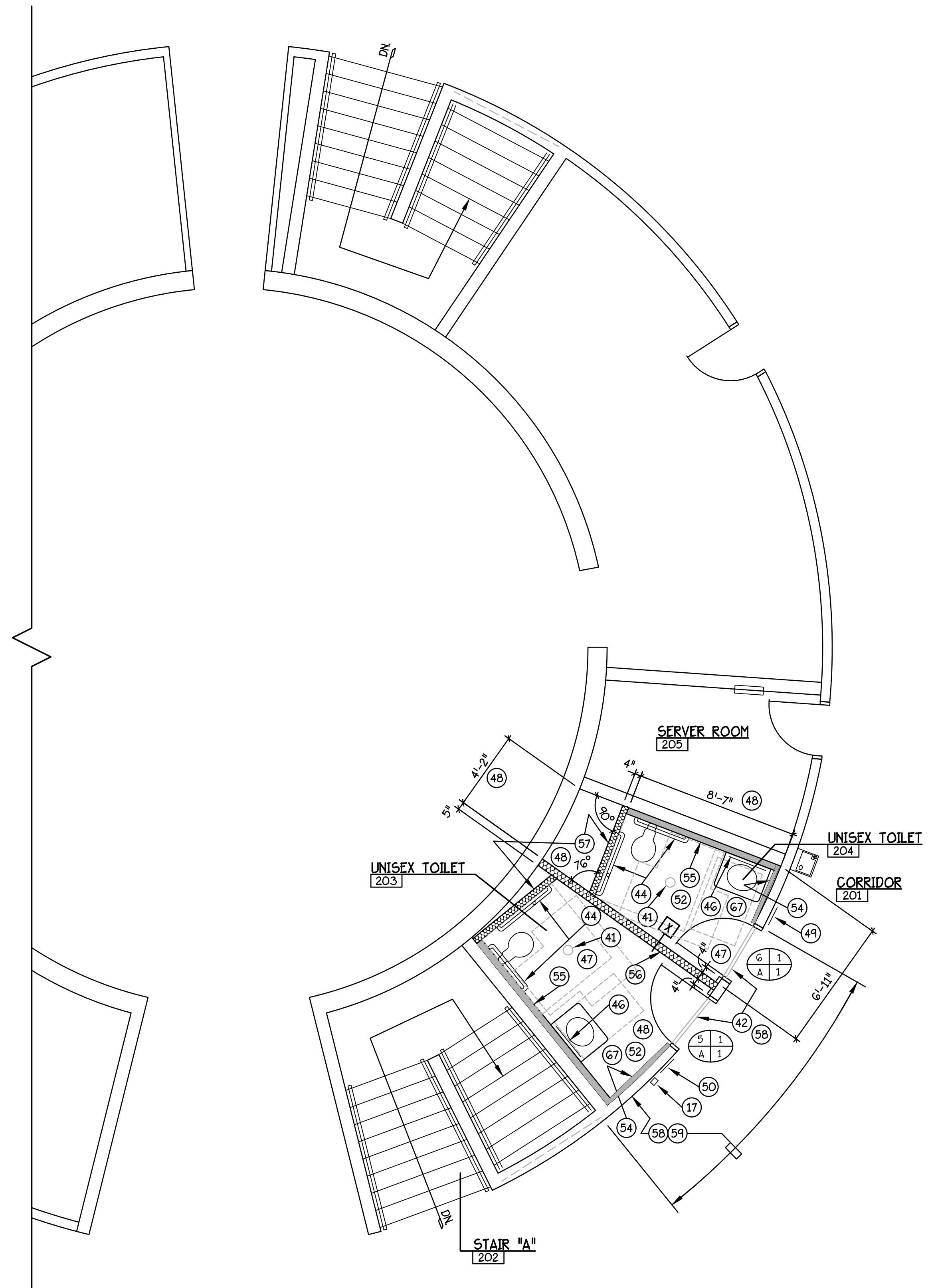
- 1 REMOVE SECTION OF EXISTING MASONRY BLOCK WALL AS INDICATED BY DASH LINES.
- 2 REMOVE SECTION OF EXISTING MASONRY BLOCK WALL AS REQUIRED FOR INSTALLATION OF NEW DOOR AND FRAME - SEE RENOVATION PLAN.
- 3 AT FIRST FLOOR : REMOVE EXISTING PLUMBING FIXTURE - CAP OFF ALL PLUMBING LINES - SEE PLUMBING DRAWINGS - REMOVE CONCRETE FLOOR SLAB IN THIS TOILET ROOM FOR INSTALLATION OF NEW PLUMBING LINES - VERIFY EXACT LOCATION WITH PLUMBING DRAWINGS - AFTER INSTALLATION OF NEW PLUMBING LINES IS COMPLETE : INSTALL NEW 4" THICK CONCRETE SLAB - SEE DETAIL 2/A-4.
- 4 AT SECOND FLOOR : REMOVE EXISTING PLUMBING FIXTURE - CAP OFF ALL PLUMBING LINES - SEE PLUMBING DRAWINGS - ALL OPENINGS IN FLOOR AT REMOVED PLUMBING FIXTURES ARE TO BE FILLED WITH CONCRETE TO MAKE FLUSH WITH FLOOR SURFACE.
- 5 EXISTING DOOR(S), FRAME AND HARDWARE ARE TO REMAIN.
- 6 REMOVE EXISTING DOOR, FRAME AND HARDWARE - SEE RENOVATION PLAN - EXISTING CONTINUOUS BOND BEAM AT HEAD IS TO REMAIN.
- 7 REMOVE EXISTING THRESHOLD MEMBER.
- 8 EXISTING BOTTLE-FILLING UNIT IS TO REMAIN.
- 9 EXISTING BOTTLE-FILLING UNIT IS TO BE RELOCATED - SEE RENOVATION PLAN.
- 10 AT FIRST FLOOR : REMOVE EXISTING FLOOR DRAIN.
- 11 AT SECOND FLOOR : REMOVE EXISTING FLOOR DRAIN - OPENING IN FLOOR IS TO BE FILLED WITH CONCRETE TO MAKE FLUSH WITH FLOOR SURFACE.
- 12 EXISTING ELECTRICAL PANELBOARDS.
- 13 REMOVE EXISTING GRAB BARS - TURN OVER TO THE OWNER.
- 14 REMOVE EXISTING TOILET ACCESSORIES (PAPER TOWEL DISPENSERS, SOAP DISPENSERS, ETC.).
- 15 REMOVE EXISTING SANITARY NAPKIN DISPENSERS AND SANITARY NAPKIN DISPOSALS IN WALL.
- 16 REMOVE EXISTING FULL-LENGTH MIRROR - TURN OVER TO THE OWNER.



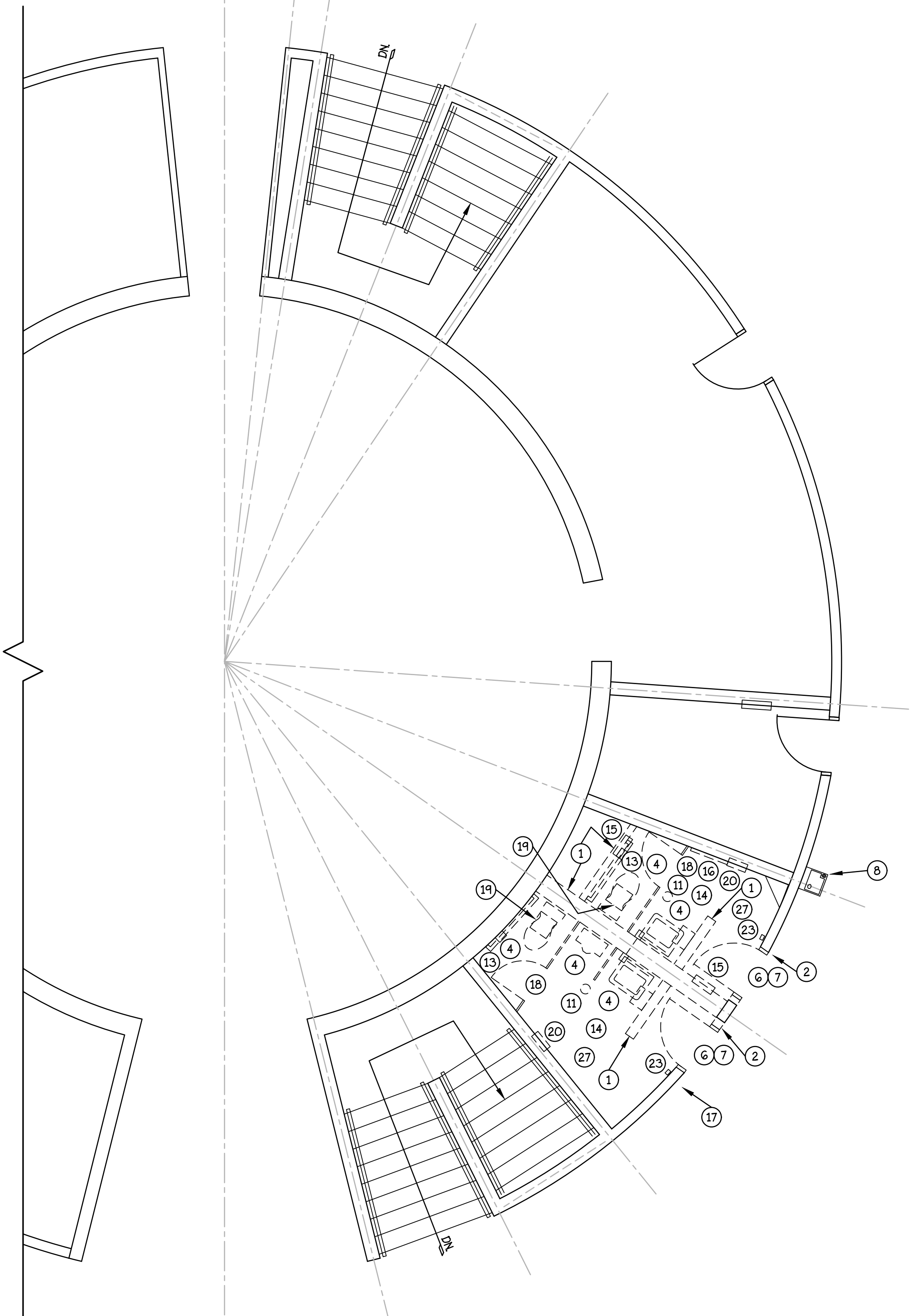
RENOVATIONS TO ADMINISTRATION BUILDING
BRISTOL TENNESSEE CITY SCHOOLS
 BRISTOL, TENNESSEE
 SECOND FLOOR - DEMOLITION PLAN, RENOVATION PLAN, REFLECTED CEILING PLAN



SECOND FLOOR - REFLECTED CEILING PLAN
SCALE : 1/4" = 1'-0"



SECOND FLOOR - RENOVATION PLAN
SCALE : 1/4" = 1'-0"



SECOND FLOOR - DEMOLITION PLAN
SCALE : 1/4" = 1'-0"

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Project No. 17959



Sheet No.

A-3

PLUMBING SPECIFICATIONS

PLUMBING SPECIFICATIONS

PART 1. GENERAL:
 1.01. PLUMBING SYSTEMS: WORK INCLUDED UNDER THIS SECTION CONSISTS OF PLUMBING WORK, PRINCIPAL SYSTEMS OF WHICH ARE AS FOLLOWS:
 A. WATER SUPPLY SYSTEM: MAKE CONNECTIONS TO EXISTING WATER SYSTEMS, EXTEND AND CONNECT HOT AND COLD WATER TO FIXTURES AND EQUIPMENT PROVIDED UNDER THIS AND OTHER SECTIONS.
 B. WASTE PIPING SYSTEM: PROVIDE SANITARY WASTE DRAINAGE AND VENT PIPING INCLUDING CONNECTING FIXTURES PROVIDED UNDER THIS AND OTHER SECTIONS.
 C. PLUMBING FIXTURES: PROVIDE PLUMBING FIXTURES, TRIM AND RELATED ITEMS SUCH AS SUPPLIES, TRAPS, DRAINS, CLEANOUTS, WATER CLOSETS SEATS AND COVERS, FIXTURE SUPPORTS AND OTHER ACCESSORY ITEMS.

1.02. CONNECTIONS FOR EQUIPMENT FURNISHED BY OTHERS:
 A. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL ROUGHING-IN CONNECTIONS FOR EQUIPMENT REQUIRING WATER, DRAINS, ETC.
 B. CONTRACTOR SHALL PROVIDE ALL STOPS, SUPPLIES, TRAPS, TAILPIECES, PRESSURE REDUCING VALVES, VACUUM BREAKERS, ETC. AS REQUIRED TO MAKE EACH SINK OR PIECE OF EQUIPMENT OPERABLE.

PART 2. PRODUCTS:
 2.01. ACCESS PANELS:
 PROVIDE MINIMUM 12" x 12" ACCESS PANELS AT LOCATIONS NECESSARY FOR ACCESS TO VALVES, SHOCK ABSORBERS, TRAP PRIMERS, ETC. COORDINATE LOCATION OF ACCESS PANELS WITH GENERAL CONTRACTOR.

2.02. INTERIOR WATER PIPING:
 A. PIPING ABOVE GROUND: PIPING 3" AND SMALLER SHALL BE ASTM B-88 HARD DRAWN TYPE L COPPER ASSEMBLED WITH WROUGHT COPPER SOLDER FITTINGS. PIPING LARGER THAN 3" SHALL BE ASTM A-120-55 GALVANIZED STEEL WITH GALVANIZED MALLEABLE IRON FITTINGS.
 B. PIPING BELOW GROUND: ALL PIPING SHALL BE TYPE K COPPER, ASTM B-88.
 C. BRASS OR BRONZE ADAPTOR FITTING SHALL BE USED WHERE NECESSARY AND SHALL BE IRON PIPE SIZE AND THICKNESS WHERE REQUIRED FOR FIXTURE OR EQUIPMENT CONNECTIONS. CONNECTIONS OF COPPER PIPE TO FERROUS PIPE SHALL BE MADE WITH DIELECTRIC UNIONS OR COUPLINGS.

2.03. INTERIOR SANITARY SEWERS:
 A. WASTE AND VENT PIPING ABOVE GRADE SHALL BE SCHEDULE 40 PVC WITH D.W.V. FITTINGS. PVC PIPE SHALL NOT BE USED IN RETURN AIR PLENUMS.
 B. CONTRACTOR'S OPTION: NO HUB CAST IRON TYPE CIS.

2.04. CLEANOUTS
 A. CLEANOUTS SHALL BE JOSAM, J.R. SMITH, ZURN, OR APPROVED SUBSTITUTE, AND SHALL BE INSTALLED FULL SIZE OF TRAP OR PIPE. FULL SIZE WYE AND TEE BRANCHES SHALL BE PROVIDED FOR CLEANOUTS AS REQUIRED BY CONDITIONS AT THE BUILDING. CLEANOUT PLUGS SHALL BE CAST IRON WITH NEOPRENE AND SHALL BE LUBRICATED.
 B. CLEANOUTS: (ZURN NUMBERS LISTED):
 (1) EXTERIOR: ZN-1420-27 CAST IRON CUTOFF FERRULE WITH ROUND SCORIATED FRAME AND COVER, SECURED.
 (2) FINISHED CONCRETE FLOORS: ZN-1405-2, INSIDE CAULK ROUND NICKEL ALLOY SCORIATED FRAME AND COVER.
 (3) CERAMIC TILE FLOORS: ZN-1405-3 EQUAL INSIDE CAULK WITH ROUND NICKEL ALLOY SCORIATED FRAME AND COVER.
 (4) RESILIENT TILE FLOORS: ZN-1405-7, INSIDE CAULK WITH ROUND RECESSED NICKEL ALLOY SMOOTH ROUND FRAME AND COVER.
 (5) WALL: ZN-1445 WITH ACCESS COVER.
 (6) NOTE: USE CLAMPING DEVICE ON CLEANOUTS THAT OCCUR IN FLOORS HAVING WATERPROOF MEMBRANE.

2.05. PLUMBING FIXTURES:
 A. PROVIDE PLUMBING FIXTURES AND DRAINS AS LISTED AND DESCRIBED HEREIN.
 B. ALL FIXTURES DESIGNED FOR HANDICAP USE SHALL BE MOUNTED AT HANDICAP HEIGHT AS INDICATED BY HANDICAP CODE USED IN LOCAL AREA.
 C. CHINA OR ENAMEL FIXTURES TO BE WHITE COLOR.
 D. COUNTERTOP SINKS TO BE PROVIDED COMPLETE WITH HUDDIE AND OTHER NECESSARY MOUNTING RIMS.
 E. DRAINS TO BE JOSAM, ZURN, J.R. SMITH OR WADE.
 F. STAINLESS STEEL SINKS SHALL BE ELKAY, JUST, OR APPROVED SUBSTITUTE.
 G. ELECTRIC WATER COOLERS SHALL BE HALSEY TAYLOR, CORDLEY, ELKAY, OASIS, SUNROC OR APPROVED SUBSTITUTE.
 2.06. INSULATION (DOMESTIC WATER):
 INSULATE DOMESTIC HOT AND COLD WATER LINES WITH (A) FLEXIBLE TUBULAR ELASTOMERIC SLIP-ON FLEXIBLE TYPE 1/2" FOR C.W. AND 1" FOR H.W. UNLESS NOTED OTHERWISE, (B) FOR PIPING ABOVE FINISHED CEILING INSULATE WITH 1-1/2" THICK, 4 LB. DENSITY SNAP-ON TYPE FIBERGLASS WITH FACTORY APPLIED JACKET WITH REINFORCED VAPOR BARRIER.

PART 3. EXECUTION:
 3.01. DOMESTIC WATER PIPING:
 A. FROM COLD WATER MAIN EXTEND DISTRIBUTION MAINS, RISERS, AND BRANCHES TO ALL EQUIPMENT AND FIXTURES REQUIRING COLD WATER CONNECTIONS. FROM HOT WATER GENERATORS EXTEND SIMILAR LINES TO ALL EQUIPMENT AND FIXTURES REQUIRING HOT WATER CONNECTIONS. INSTALL A VALVE IN EACH MAJOR BRANCH TAKE-OFF IN THE HOT AND COLD WATER DISTRIBUTION MAINS AND ELSEWHERE AS NECESSARY FOR CONTROL OF THE SYSTEM OR AS SHOWN ON THE DRAWINGS.
 B. WATER SUPPLY PIPING SHALL BE RUN SO THAT THE SYSTEM CAN BE DRAINED AT THE LOW POINT BY OPENING VALVES; PROVIDE DRAIN VALVES AT LOW POINTS, 3/4" SIZE IF NOT OTHERWISE NOTED. RUN PIPING CONCEALED IN CHASES, PIPE SHAFTS, AND SPACE ABOVE CEILING THROUGHOUT FINISHED SPACES, EXCEPT AT FIXTURE CONNECTIONS AND ELSEWHERE AS SPECIFICALLY NOTED OTHERWISE.

3.02. WASTE, VENT, AND DRAINAGE:
 A. USE REDUCING FITTINGS FOR CHANGES IN PIPE SIZE.
 B. FITTINGS FOR WASTE, VENT, AND DRAINAGE PIPING TO BE DRAINAGE PATTERN TYPE.
 C. SOIL, WASTE, AND VENT PIPING ABOVE GROUND SHALL BE CONCEALED IN WALLS, CHASES, PIPE SHAFTS AND CEILING SPACES, EXCEPT IN EQUIPMENT ROOMS AND SIMILAR UNFINISHED AREAS AND ELSEWHERE AS SPECIFICALLY INDICATED OTHERWISE. ALL SOIL AND WASTE PIPING INSIDE THE BUILDING SHALL BE RUN WITH A UNIFORM DROP OF NOT LESS THAN 1/8" PER FOOT, USING 1/4" PER FOOT WHERE POSSIBLE.
 D. VERTICAL VENT LINES SHALL BE CARRIED THROUGH THE ROOF OR CONNECTED TO ADJACENT VENT LINES AS INDICATED. VENTS SHALL TERMINATE APPROXIMATELY 12" ABOVE FINISHED ROOF LINES AND SHALL BE FLASHED WITH BASE AND SLEEVE TYPE INTO TOP OF VENT PIPE. COLLECT VENTS WHERE POSSIBLE TO MINIMIZE THE NUMBER OF VENTS EXTENDING THROUGH ROOF.

3.03. CLEANOUTS:
 A. LOCATE LINE SIZE CLEANOUTS, AT BASE OF EACH SOIL AND WASTE STACK; AT EACH CHANGE IN DIRECTION IN SOIL, WASTE, AND DRAIN LINES; AND IN ALL HORIZONTAL DRAIN LINES, WITH SPACING NOT TO EXCEED 50' INSIDE THE BUILDING AND 75' OUTSIDE THE BUILDING.
 B. CLEANOUTS NOT ACCESSIBLE, WHICH CANNOT BE MADE EASILY ACCESSIBLE OTHERWISE, SHALL BE EXTENDED UP THROUGH FLOOR OR WALL.

3.04. ELECTRICAL GROUND:
 A. THIS CONTRACTOR SHALL MAKE PROVISIONS FOR MAINTAINING THE ELECTRICAL GROUND PROPERTIES OF WATER LINES BY STRAPPING OVER VALVES OR EQUIPMENT WHOSE REMOVAL FOR SERVICE WORK IN FUTURE WOULD BREAK GROUNDING SERVICE. STRAPPING OVER SHALL BE DONE WITH A LENGTH OF BRAIDED COPPER CABLE WHICH SHALL BE ATTACHED TO PIPE AT EITHER END.
 3.05. FIXTURE CONNECTIONS:
 A. CONNECT TO PLUMBING FIXTURES AND EQUIPMENT PROVIDED UNDER THIS AND OTHER SECTIONS OF SPECIFICATIONS.
 B. SEE SCHEDULE ON PLANS FOR CONNECTIONS SIZES TO FIXTURES.
 C. CONNECT WALL-HUNG URINALS TO WASTE PIPING WITH RED BRASS NIPPLES.
 D. EACH FIXTURE, FLOOR DRAIN, AND PIECE OF EQUIPMENT REQUIRING CONNECTION TO DRAINAGE SYSTEM TO HAVE SEPARATE TRAPS INSTALLED AS CLOSE TO FIXTURE AS POSSIBLE.
 E. PROVIDE DEEP SEAL P-TRAPS UNDER FLOOR DRAINS.

3.06. TRENCHING AND BACKFILLING:
 TRENCHES SHALL PROVIDE UNIFORM BEARING. WHERE ROCK IS ENCOUNTERED, EXCAVATE 3" BELOW THE PIPE AND REFILL TO PIPE GRADE WITH GRAVEL. AFTER TESTING OF PIPING, TRENCHES SHALL BE BACKFILLED TO GRADE, TAMPED TO 95% COMPACTION.

3.07. TEST AND INSPECTIONS:
 A. MAKE ALL WATER AND AIR TESTS OF THE PIPING SYSTEMS BEFORE WORK IS CONCEALED. TEST WATER PIPING TO HYDROSTATIC PRESSURE OF 125 PSI AND HOLD FOR 24 HOURS.
 B. AFTER THE INSTALLATION OF SANITARY PIPING, PLUG THE ENDS OF THE SYSTEM AND FILL WITH WATER TO THE TOP OF VENTS OR WITH 10' HEAD. SHOULD LEAKS APPEAR, REPAIR AND REPEAT THE TESTS UNTIL THE SYSTEM IS TIGHT.

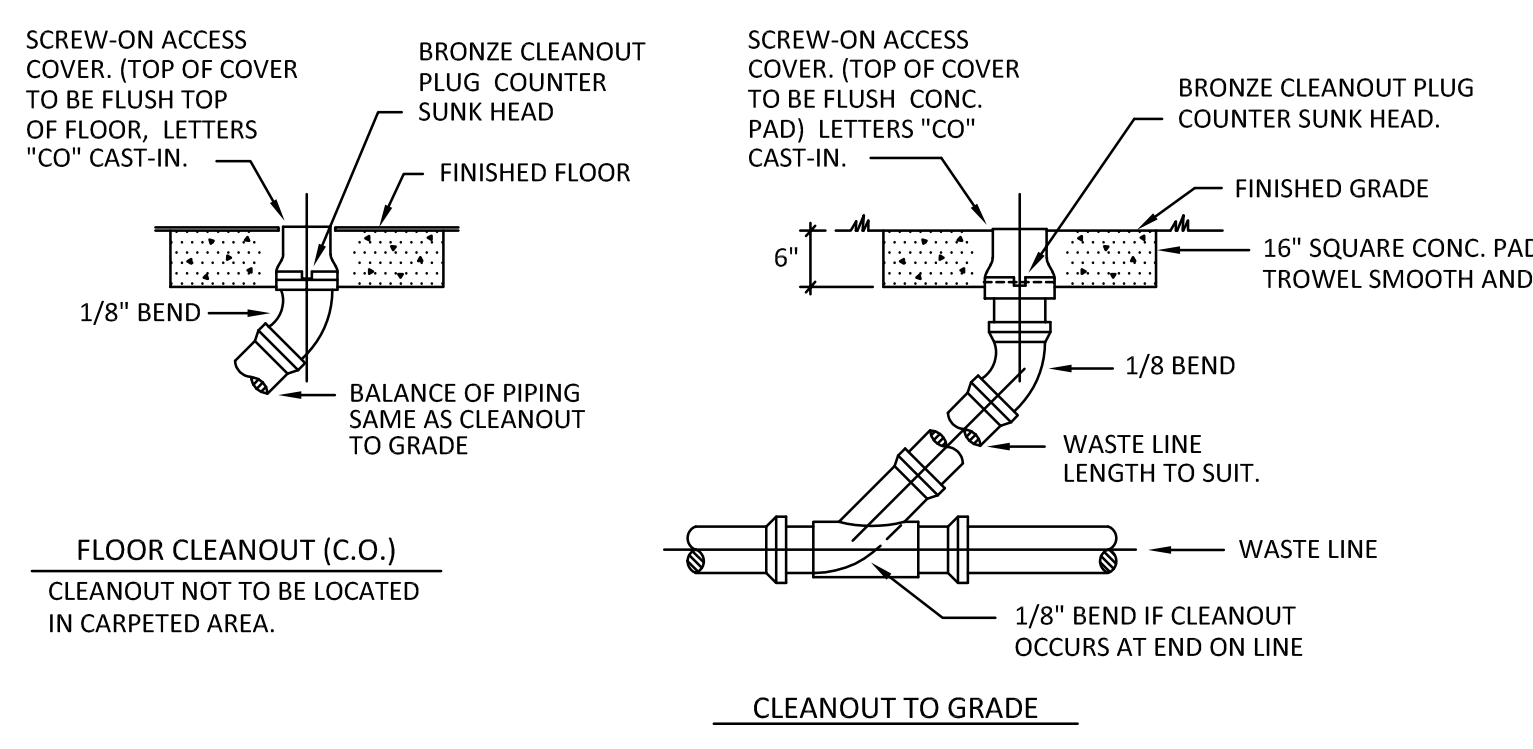
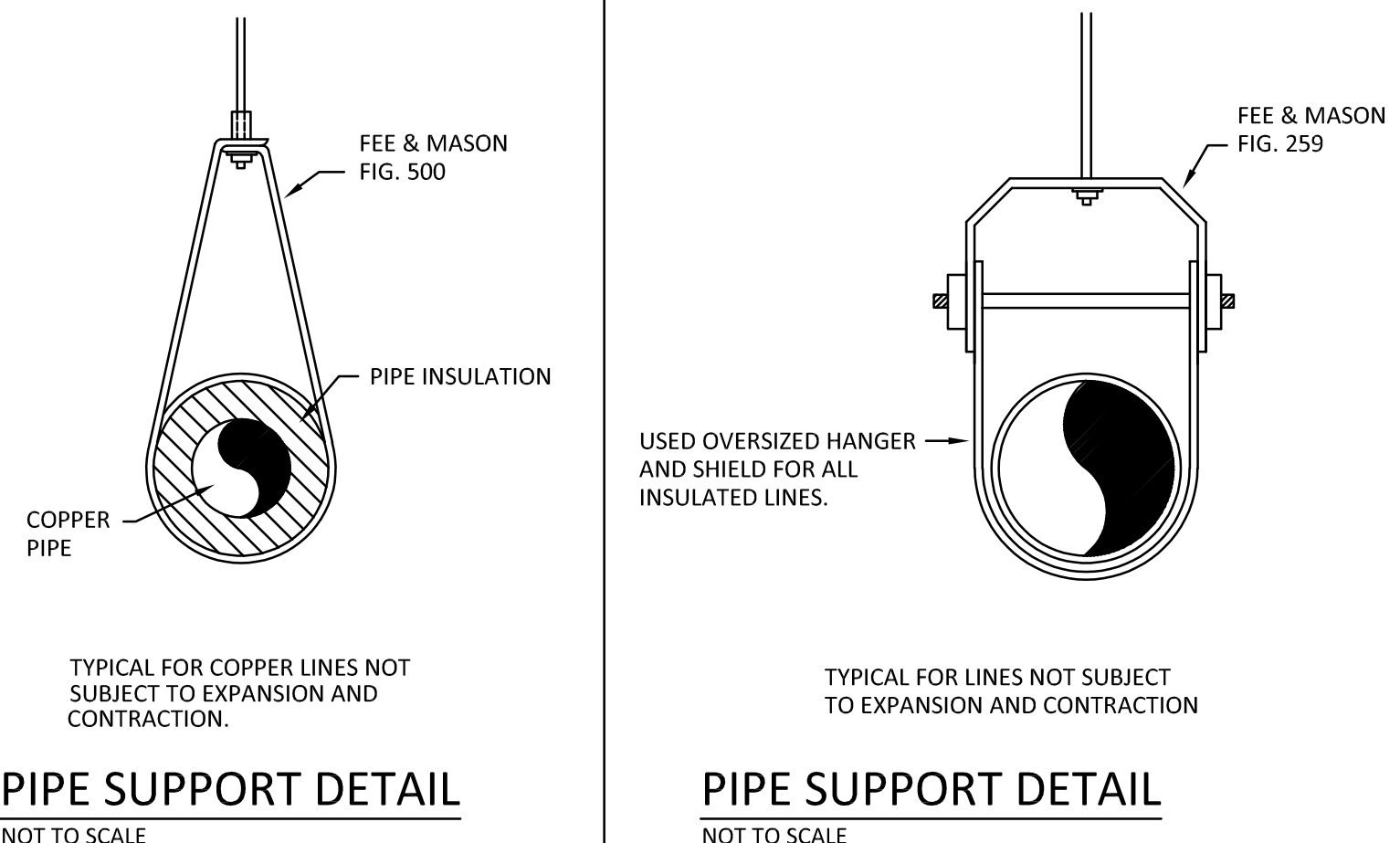
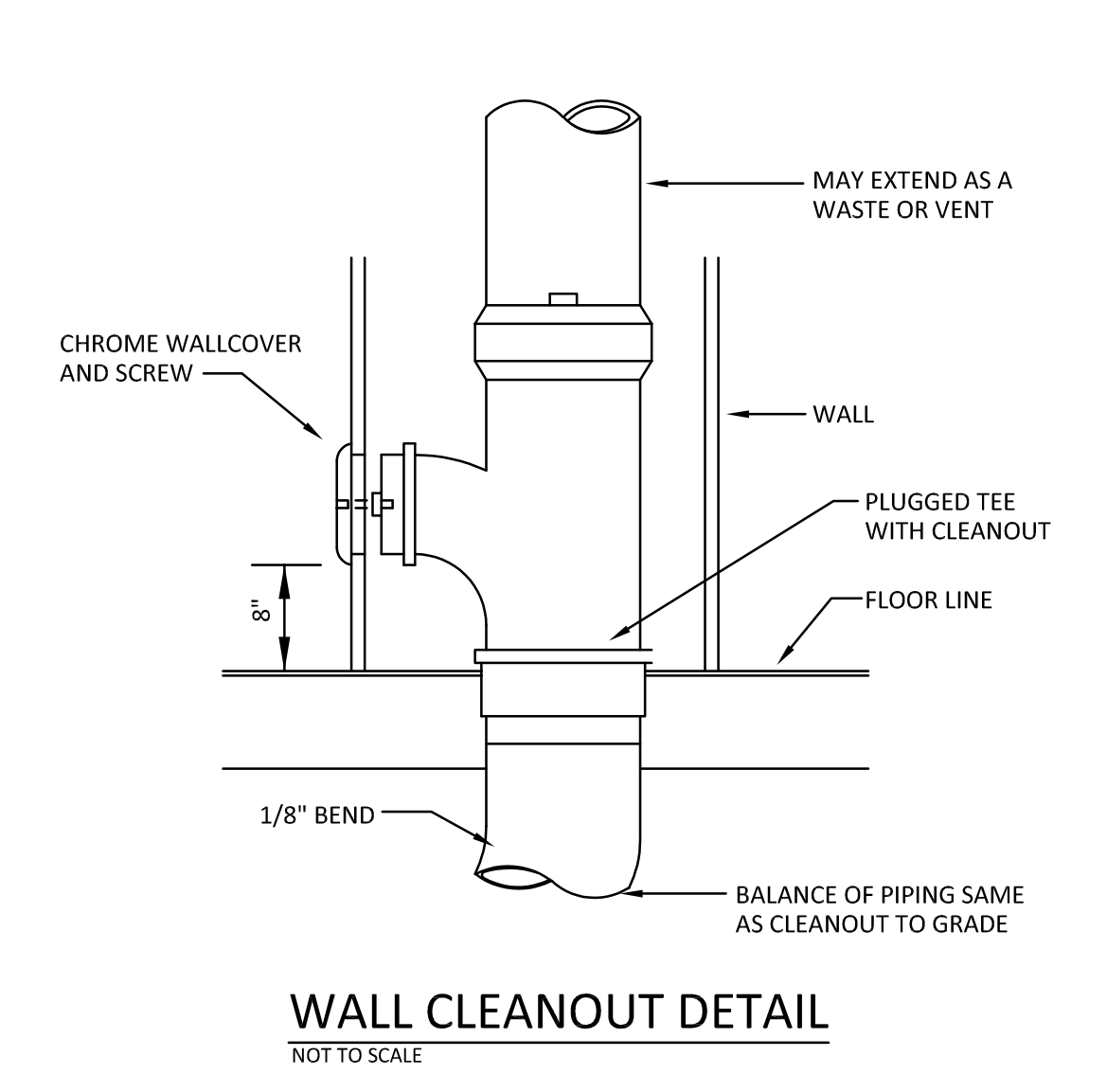
3.08. STERILIZATION:
 THE STERILIZATION PROCESS SHALL COMPLY WITH ALL GOVERNING REGULATIONS AFTER STERILIZATION AND FINAL FLUSHING, THE LOCAL HEALTH AUTHORITY IS TO NOTIFIED AND THEIR APPROVAL OBTAINED IN WRITING.

3.09. AS-BUILT DRAWINGS:
 THE PLUMBING CONTRACTOR SHALL FURNISH UPON COMPLETION OF WORK A PLUMBING PLAN SHOWING ALL PIPING AS INSTALLED.

3.10. WORKMANSHIP:
 PLUMBING EQUIPMENT SHALL BE INSTALLED IN A NEAT WORKMANLIKE MANNER. UNSIGHTLY INSTALLATIONS SHALL BE REMOVED OR REWORKED AT NO ADDITIONAL EXPENSE TO THE OWNER.
 END OF SECTION

TYPICAL PLUMBING NOTES

- COORDINATE WITH ARCHITECTURAL PLANS FOR ALL FIRE RATED BUILDING ASSEMBLIES, PROVIDE AND INSTALL U.L. RATED FIRE-STOP ASSEMBLIES IN ANY SUCH AREAS AS REQUIRED BY CODE.
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING A BID.
- WORKMANSHIP: PLUMBING FIXTURES AND ACCESSORIES SHALL BE INSTALLED IN A NEAT WORKMANLIKE MANNER. UNSIGHTLY INSTALLATIONS SHALL BE REMOVED OR REWORKED AT NO EXPENSE TO THE OWNER.
- REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL COORDINATION WITH THESE DRAWINGS.
- SEAL ALL WALL, ROOF AND FLOOR PENETRATIONS BY PLUMBING SERVICE AIRTIGHT.
- PROVIDE CHROME-PLATED ESCUTCHEONS AT ALL EXPOSED PIPE PENETRATIONS THROUGH WALLS.
- COORDINATE ALL PENETRATIONS OF FLOOR SLABS, ROOF AND WALLS WITH ARCHITECTURAL DRAWINGS.
- PROVIDE WATER STOP VALVES AT EACH EQUIPMENT ITEM
- COORDINATE WITH APPROVED ARCHITECTURAL DRAWINGS BEFORE ROUGHING-IN PLUMBING
- ALL FLOOR DRAINS AND OPEN HUB DRAINS SHALL BE INSTALLED WITH DEEP SEAL P-TRAPS. PROVIDE TRAP PRIMERS WHERE SHOWN ON PLAN AND AT ALL LOCATIONS REQUIRED BY CODE AND LOCAL AUTHORITY.
- SLOPES OF SANITARY WASTE AND VENT SHALL BE ESTABLISHED AND VERIFIED BY CONTRACTOR PRIOR TO PIPING BEING INSTALLED IN ORDER THAT PROPER SLOPES WILL BE MAINTAINED AND NECESSARY INVERT ELEVATIONS OBTAINED.
- CONTRACTOR SHALL PROVIDE ALL VALVES, PRESSURE REDUCING VALVES, SHOCK ABSORBERS AND ACCESSORIES TO COMPLETELY INSTALL ALL EQUIPMENT TO MAKE A COMPLETE INSTALLATION.
- THE CONTRACTOR SHALL INSTALL ALL OWNER FURNISHED EQUIPMENT WITH ALL ITEMS TO MAKE EQUIPMENT OPERABLE.
- ALL VENTING OF FIXTURES SHALL COMPLY WITH LOCAL CODES AND ORDINANCES.
- USE DIELECTRIC UNIONS WHERE PIPE OF DIFFERENT METALS ARE JOINED.
- MAKE PROPER HOT & COLD WATER, WASTE, VENT ETC. PIPING CONNECTIONS TO ALL FIXTURES AND EQUIPMENT EVEN THOUGH ALL BRANCH-RUNS, ELBOVS AND CONNECTIONS ARE NOT SHOWN.
- PVC OR OTHER PLASTIC COMPOSITE PIPING SHALL NOT BE INSTALLED IN RETURN AIR PLENUMS.
- CLEANOUTS FOR SOIL AND WASTE LINES SHALL BE INSTALLED WHERE INDICATED ON THE DRAWINGS AND EVERY 90-DEGREE CHANGE IN DIRECTION.
- ALL PIPING SHOWN ON THESE PLANS ARE TO BE ROUTED ABOVE CEILINGS, BELOW FLOORS AND IN CHASES UNLESS OTHERWISE NOTED.
- SEE SITE PLAN FOR EXTENT OF ALL PIPING LEAVING OR ENTERING THE BUILDING.
- CONTRACTOR SHALL COORDINATE THE EXACT LOCATION OF SANITARY AND WATER TIE-IN POINTS WITH THE LOCAL WATER AND SEWER AUTHORITIES.
- CONTRACTOR SHALL PAY ALL ASSOCIATED COSTS FOR TAP FEES, PERMITS FOR SUPPLY AND INSTALLATION OF BACKFLOW PREVENTER AND/OR WATER METER ON SITE AS REQUIRED.
- SERVICE VALVES SHALL BE FURNISHED AND INSTALLED ON ALL HOT AND COLD WATER LINES AT EQUIPMENT IN AN ACCESSIBLE POSITION.
- ALL FLOOR OPENINGS ARE TO BE SEALED WATERTIGHT BY MEANS OF SLEEVES.
- ALL HORIZONTAL AND VERTICAL PIPING LINES EXTENDED AND CONNECTED TO EQUIPMENT SHALL BE RUN AT THE HIGHEST POSSIBLE ELEVATION AND NOT LESS THAN 4" ABOVE FLOOR TO PROVIDE CLEARANCE FOR CLEANING. AT WALL OR COLUMN LOCATIONS, PIPING ROUGH IN SHALL BE STUBBED IN WALLS WHEREVER POSSIBLE.
- EXISTING CONDITIONS SHOWN HEREIN WHERE TAKEN FROM SITE OBSERVATIONS, ORIGINAL DESIGN DRAWINGS AND AS-BUILT DOCUMENTATION WHERE AVAILABLE; ANY DISCREPANCIES BETWEEN THE PLANS AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE ARCHITECT / ENGINEER.
- IN AREAS WHERE A WATER LINE IS TO BE LOCATED IN AN EXTERIOR WALL, THE PIPE IS TO BE PLACED ON THE INSIDE (LIVING SIDE) OF THE INSULATION.
- DOMESTIC WATER INSULATION SHALL BE FIBERGLASS PIPE INSULATION MINIMUM DENSITY 3.5 PCF; 1/2" THICKNESS FOR COLD WATER AND 1" THICKNESS FOR HOT WATER.
- WASTE AND VENT PIPE TO BE SCHEDULE 40 PVC; DOMESTIC WATER PIPE TO BE TYPE L OR K HARD DRAWN COPPER.
- EQUIPMENT AND MATERIALS SUBMITTED AS ALTERNATES TO THE SPECIFIED DATA MUST BE CLEARLY MARKED AS TO THE DIFFERENCES IN SUBMITTED VERSUS SPECIFIED. FAILURE TO CLEARLY MARK THE SUBMITTALS AS SUCH IS GROUNDS FOR REJECTION. SUBMITTALS NOT CLEARLY MARKED AS BEING ALTERNATE TO THE SPECIFIED DATA CAN BE ASSUMED TO MEET ALL SPECIFIED REQUIREMENTS AND PROVIDER IS RESPONSIBLE TO PROVIDE AS SUCH.
- CONTRACTOR IS TO REFER TO THE ARCHITECTURAL PLANS FOR THE LOCATION AND ELEVATIONS OF ALL ADA FIXTURES.
- THE "REDUCTION IN LEAD IN DRINKING WATER ACT" REQUIRES MATERIALS AND FIXTURES USED FOR DELIVERY OF POTABLE WATER TO CONTAIN LESS THAN 0.2% LEAD FOR SOLDER AND FLUX, AND NOT MORE THAN A WEIGHT AVERAGE OF 0.25% LEAD FOR PIPES FITTING AND FIXTURES. EXCLUDED FROM THIS ACT ARE TOILETS, BIDETS, URINALS, FLUSH VALVES, TUB FILLERS, SHOWER VALVES. IT IS THE INTENT OF THIS PROJECT TO CONFORM WITH THE REQUIREMENTS OF THE 2014 LEAD FREE ACT. EVERY EFFORT HAS BEEN MADE TO CALL FOR FIXTURES THAT COMPLY WITH THE ACT. EVEN SO, IT SHALL BE THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO INSTALL PRODUCTS THAT COMPLY WITH THE 2014 LEAD FREE SAFE WATER DRINKING ACT.



CLEANOUT SCHEDULE
(ZURN IS LISTED)

(1)	EXTERIOR (NON-VEHICULAR TRAFFIC AREA) Z-1400 CAST IRON BODY AND ROUND COVER, NEO-LOC NEOPRENE GASKET PIPE CONNECTION
(2)	EXTERIOR (VEHICULAR TRAFFIC AREA) Z-1400HD CAST IRON BODY AND ROUND HEAVY DUTY COVER, NEO-LOC NEOPRENE GASKET PIPE CONNECTION
(3)	INTERIOR (FINISHED CONCRETE FLOORS) ZN-1400 CAST IRON BODY AND ROUND NICKEL BRONZE COVER, NEO-LOC NEOPRENE GASKET PIPE CONNECTION
(4)	INTERIOR (CERAMIC TILE FLOORS) ZN-1400-T CAST IRON BODY AND SQUARE NICKEL BRONZE COVER, NEO-LOC NEOPRENE GASKET PIPE CONNECTION
(5)	INTERIOR (RESILIENT TILE FLOORS) ZN-1400-X CAST IRON BODY AND SQUARE NICKEL BRONZE COVER, NEO-LOC NEOPRENE GASKET PIPE CONNECTION.
(6)	NOTE: USE CLAMPING DEVICE ON CLEANOUTS THAT OCCUR IN FLOORS HAVING WATERPROOF MEMBRANE.

PLUMBING FIXTURE SCHEDULE
(ALL NUMBERS ARE AMERICAN STANDARD UNLESS NOTED OTHERWISE)
PLUMBING FIXTURES AND ALL ACCESSORIES REQUIRED SHALL BE COORDINATED AND VERIFIED WITH THE ARCHITECT

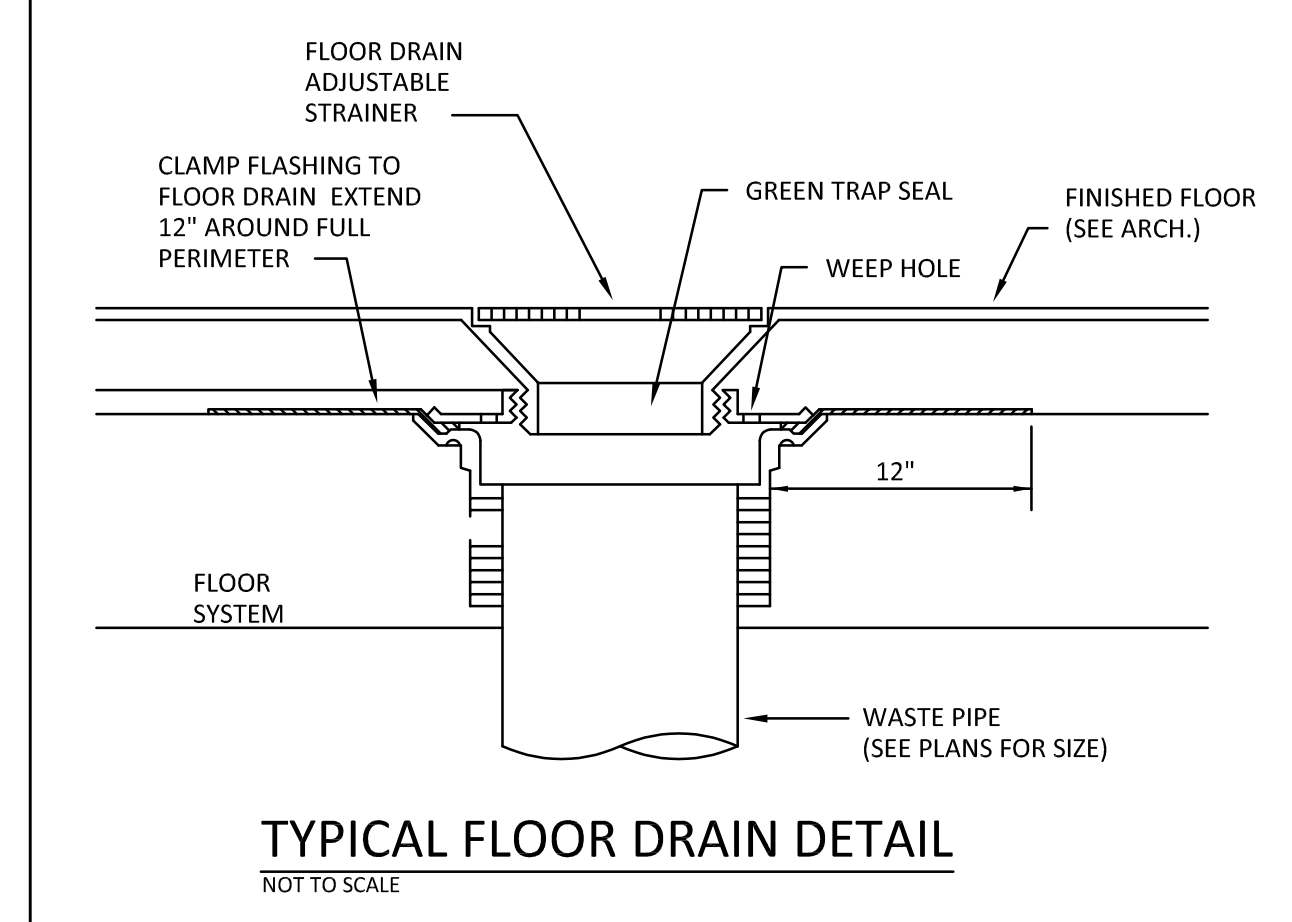
P-1	WATER CLOSET (H.C.) SEAT SUPPLY	Z5665-BWL "ZURN" ELONGATED FLOOR MOUNTED CHINA WITH ZURN Z5972-COMB CLOSET FLANGE OUTER GASKET KIT. Z5955S-EL "ZURN" OPEN FRONT SEAT LESS COVER. ZER6000AV-HET-TM"ZURN" CHROME PLATED DIAPHRAGM FLUSHMETER
P-2	LAVATORY (H.C.) FAUCET GRID DRAIN P-TRAP SUPPLY	8109 "CORIAN" SOLID SURFACE INTEGRATED 26913-AL AQUEASENSE BATTERY POWERED, HYDRO-POWERED, 0.5 GPM FLOW RATE, VANDAL RESISTANT, TEMPERATURE MIXING VALVE Z-8743 "ZURN" 1-1/4" 17 GA. CHROME PLATED BRASS Z-8200 "ZURN" 1-1/4" CHROME PLATED CAST BRASS 17 GAUGE, DIE CAST NUTS, CLEANOUTS AND ESCUTCHEON Z-8804-LR "ZURN" CHROME PLATED BRASS ANGLE STOPS AND 12" FLEXIBLE CHROME PLATED COPPER RISERS.
P-3	FLOOR DRAIN	ZB-415P "ZURN" FLOOR DRAIN DURA-COATED IRON BODY WITH BOTTOM OUTLET, COMBINATION INVERTIBLE MEMBRANE CLAMP AND ADJUSTIBLE COLLAR WITH TYPE "S" POLISHED NICKEL BRONZE STRAINER. (PROVIDE AND INSTALL GREEN DRAIN WATERLESS TRAP SEAL).
P-4	SINK FAUCET GRID DRAIN P-TRAP SUPPLY	ELKAY LUSTERTONE 30-1/2" UNDERMOUNT BASIN AMERICAN STANDARD COLONY FRO 1.5 GPM SINGLE HOLE PULL DOWN WITH 9.4375" SPOUT HEIGHT BASKET STRAINER Z-8200 "ZURN" 1-1/4" CHROME PLATED CAST BRASS, 17 GAUGE, DIE CAST NUTS, CLEANOUTS AND ESCUTCHEON Z-8804-LR "ZURN" CHROME PLATED BRASS ANGLE STOPS AND 12" FLEXIBLE CHROME PLATED COPPER RISERS.

NOTE: PROVIDE INSTITUTIONAL A.D.A. COMPLIANT INSULATORS FOR EXPOSED WASTE, HOT AND COLD WATER. HOT AND COLD WATER STOP/SUPPLIES AND TRAP INSULATOR KIT BY ZURN INDUSTRIES, INC. DO NOT INCLUDE IF TRAP PIPING IS INSIDE CABINETRY.

NOTE: HANDICAPPED UNITS TO BE MOUNTED CONFORMING TO CURRENT ADA GUIDELINES FOR ACCESSIBILITY.

FIXTURE CONNECTION SCHEDULE

"P" NO.	DESCRIPTION	H.W.	C.W.	TRAP	WASTE	VENT
P-1	WATER CLOSET (H.C.)	--	1-1/4"	4"	4"	2"
P-2	LAVATORY (H.C.)	1/2"	1/2"	1 1/4"	2"	1 1/2"
P-3	FLOOR DRAIN	--	--	3"	3"	1 1/2"
P-4	SINK	1/2"	1/2"	1-1/2"	2"	1 1/2"



RENOVATIONS TO ADMINISTRATION BUILDING
BRISTOL TENNESSEE CITY SCHOOLS
 BRISTOL, TENNESSEE
PLUMBING SCHEDULES, NOTES AND SPECIFICATIONS

Purpose of Document Issue

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Checked	SRF
Date	04/17/2024

Project No. **17959**



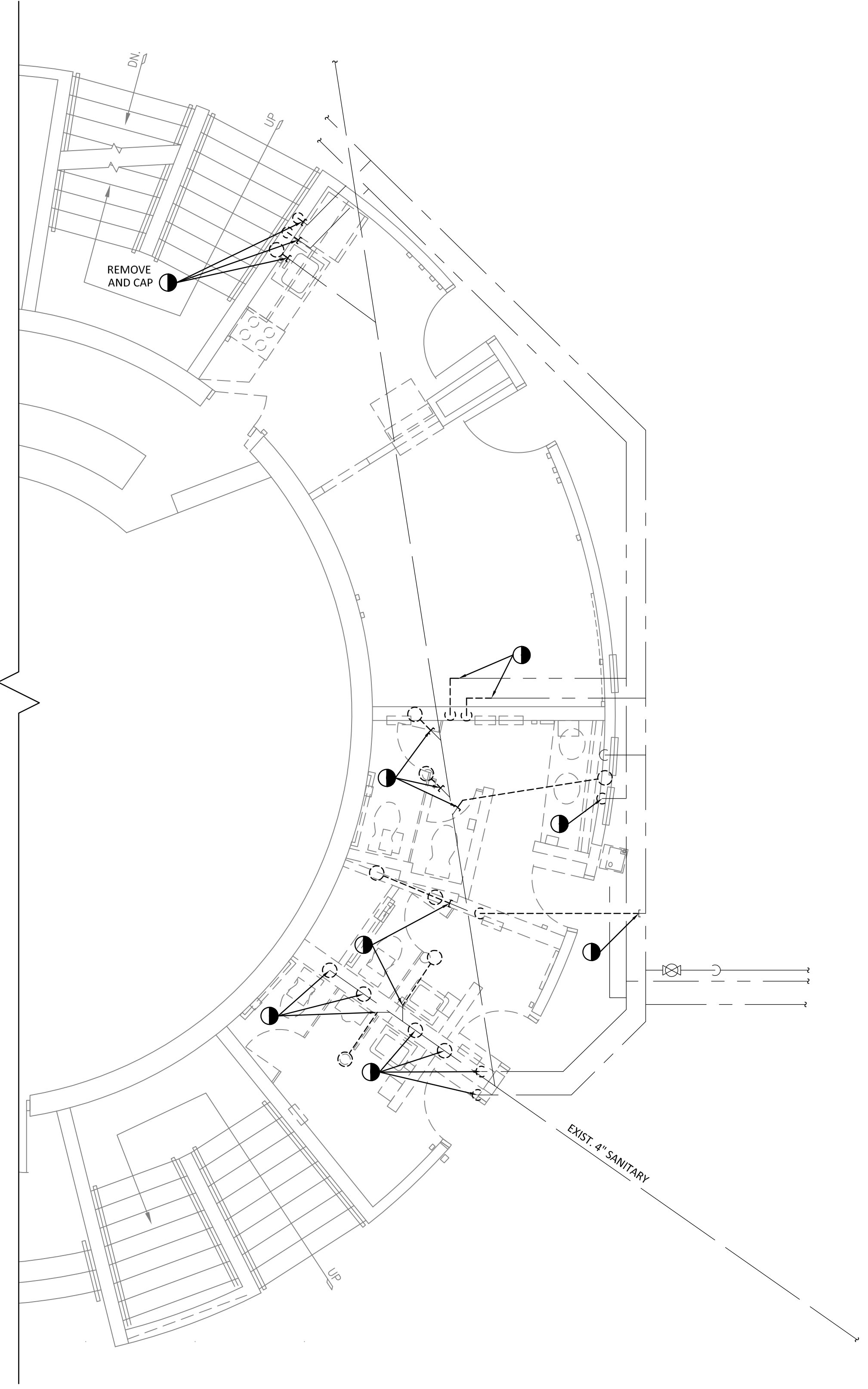
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RENOVATIONS TO ADMINISTRATION BUILDING
BRISTOL TENNESSEE CITY SCHOOLS
 BRISTOL, TENNESSEE
1ST FLOOR WATER PLANS - DEMOLITION AND NEW

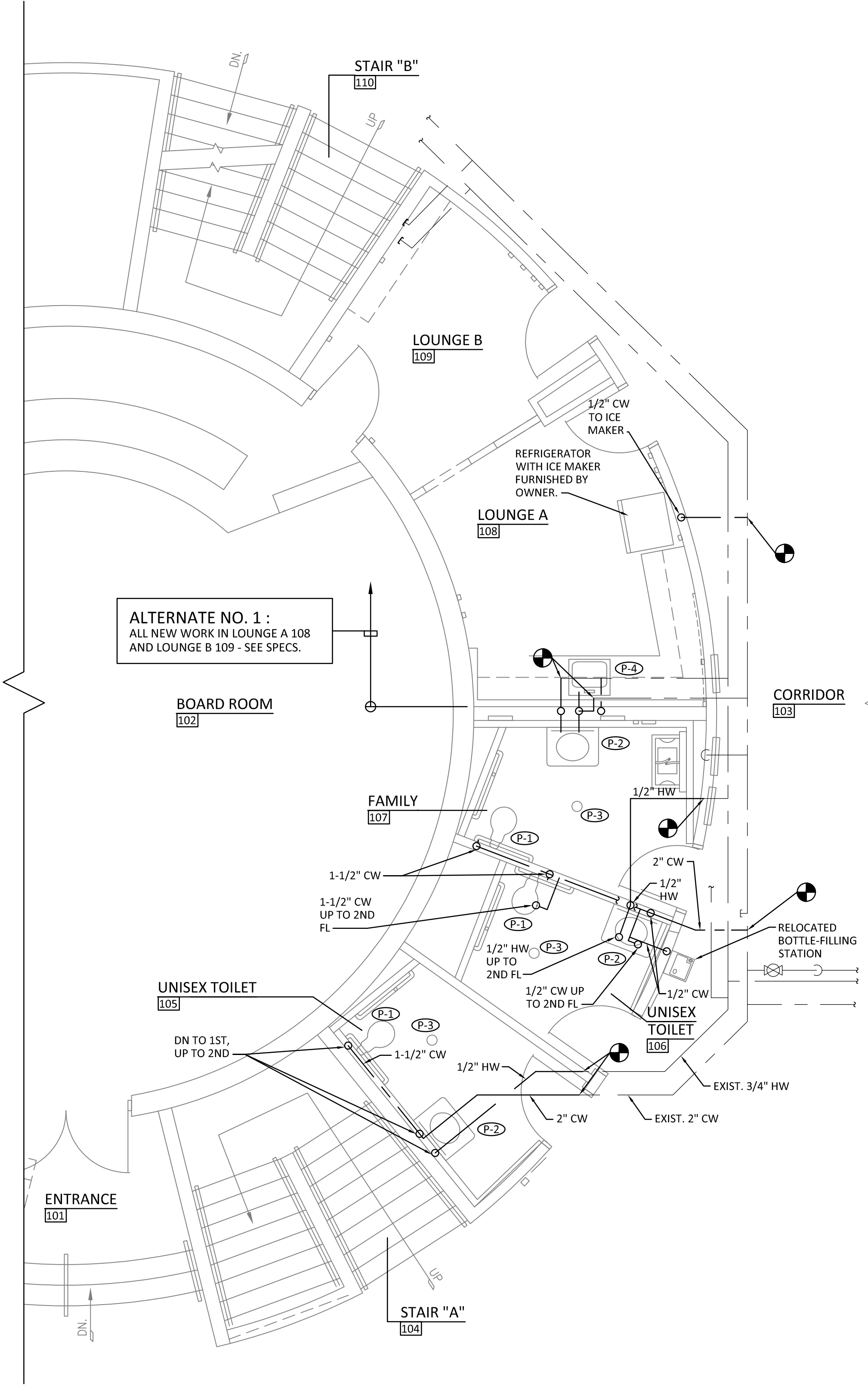
---	COLD WATER
- - -	HOT WATER
-H.W.R.-	HOT WATER RECIRC.
⊘	BACKFLOW PREVENTER
○-OR-○	PIPE TURN DOWN
○-OR-○	PIPE TURN UP
○-OR-○	PIPE TURN UP

---	SANITARY
- - -	VENT
- - -	CONDENSATE
V.	VENT
V.T.R.	VENT THRU ROOF
○-OR-○	PIPE TURN DOWN
○-OR-○	PIPE TURN UP
○	CLEANOUT
○	GRADE CLEANOUT
○	G.C.O.
○	FLOOR CLEANOUT

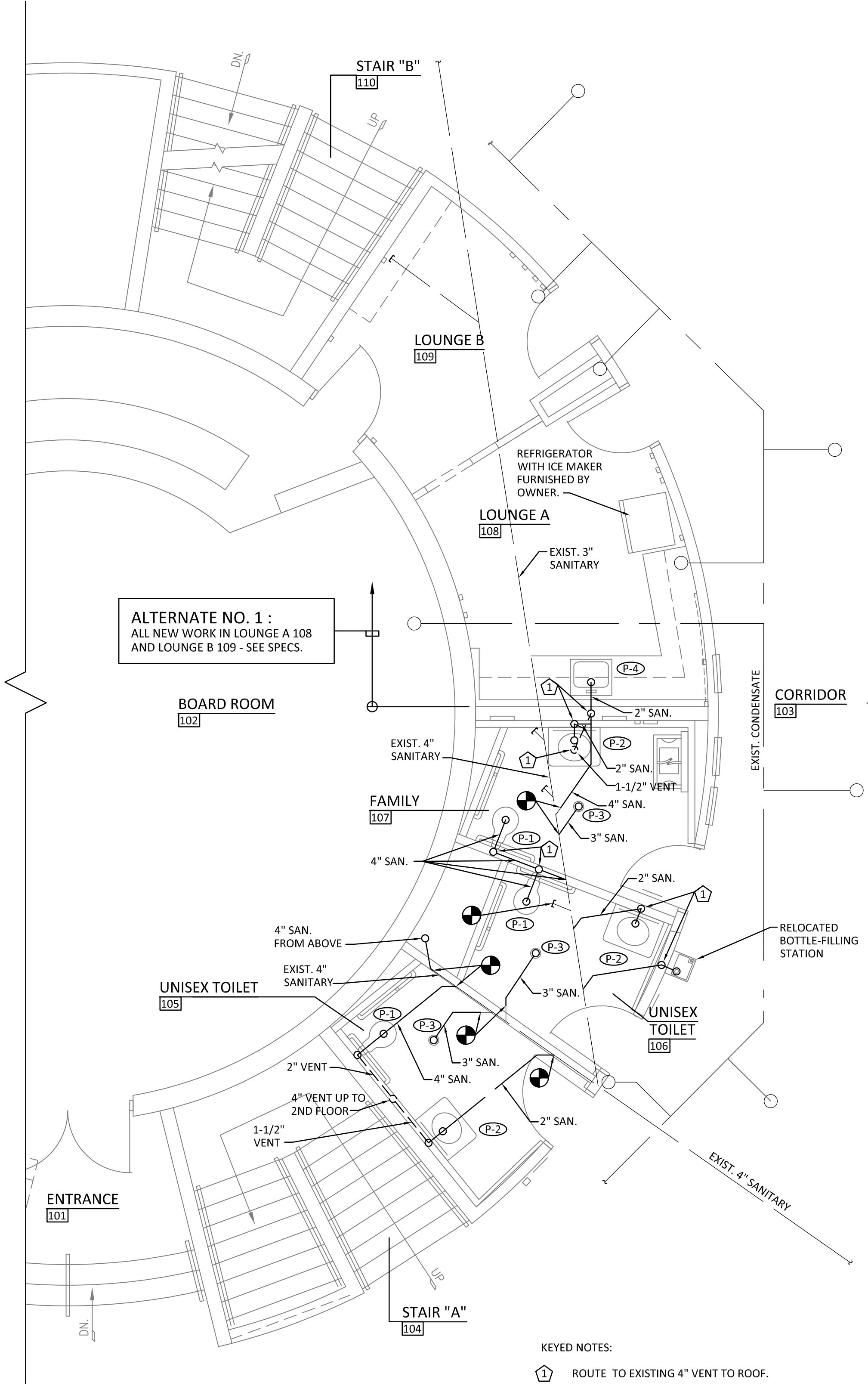


1ST FLOOR PLUMBING PLAN - DEMOLITION
 1/4" = 1'-0"
 PLAN NORTH

- DEMO NOTES:
- REMOVE PLUMBING FIXTURE AND RETURN TO OWNER.
 - DEMOLISH PIPING AS SHOWN, SEAL AND CAP WHERE THERE IS NO NEW CONNECTION. PREPARE EXISTING PIPING FOR NEW CONNECTION WHERE REQUIRED.

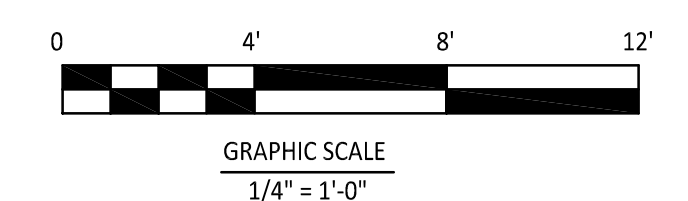


1ST FLOOR WATER PLAN - NEW WORK
 1/4" = 1'-0"
 PLAN NORTH



1ST FLOOR SANITARY PLAN - NEW WORK
 1/4" = 1'-0"
 PLAN NORTH

- KEYED NOTES:
- ROUTE TO EXISTING 4" VENT TO ROOF.
 - CONNECT NEW FC UNITS TO EXISTING CONDENSATE.



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P101



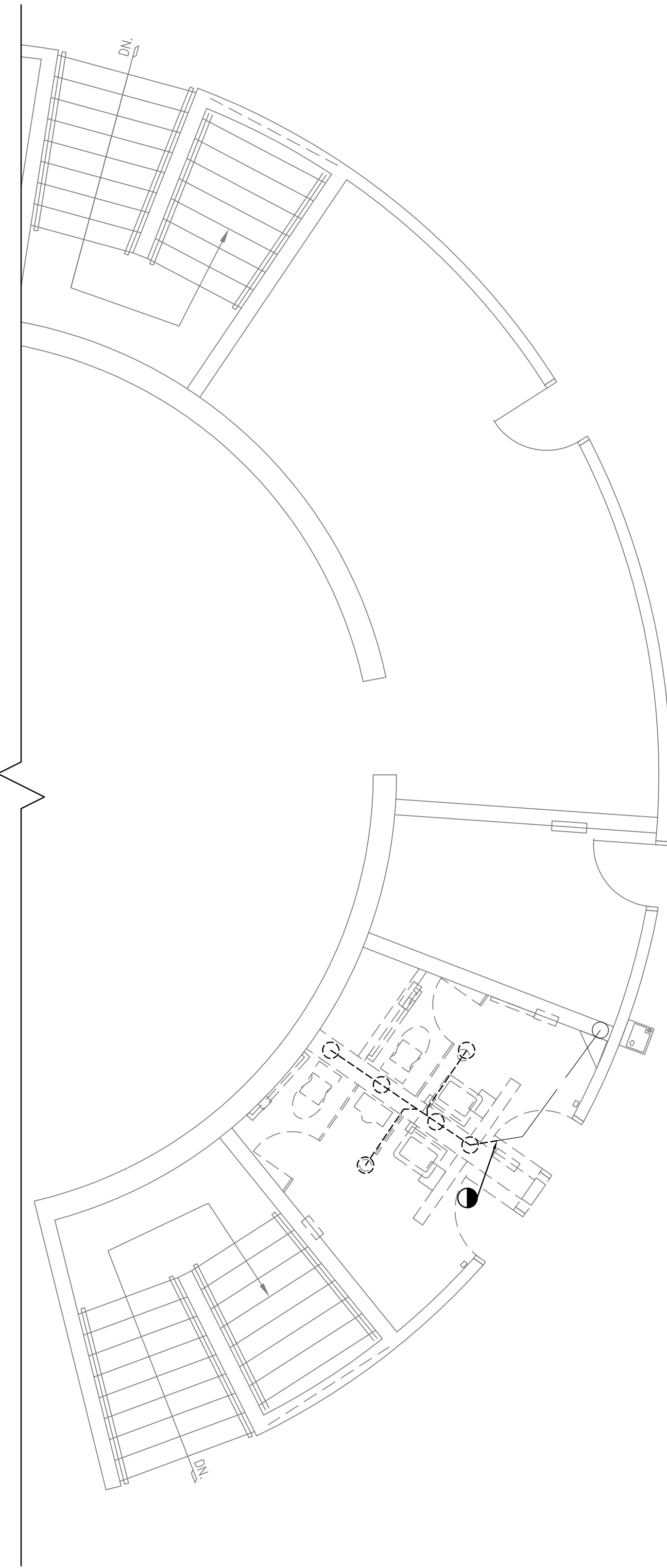
RENOVATIONS TO ADMINISTRATION BUILDING
BRISTOL TENNESSEE CITY SCHOOLS
 BRISTOL, TENNESSEE
2ND FLOOR WATER PLANS - DEMOLITION AND NEW

PLUMBING LEGEND

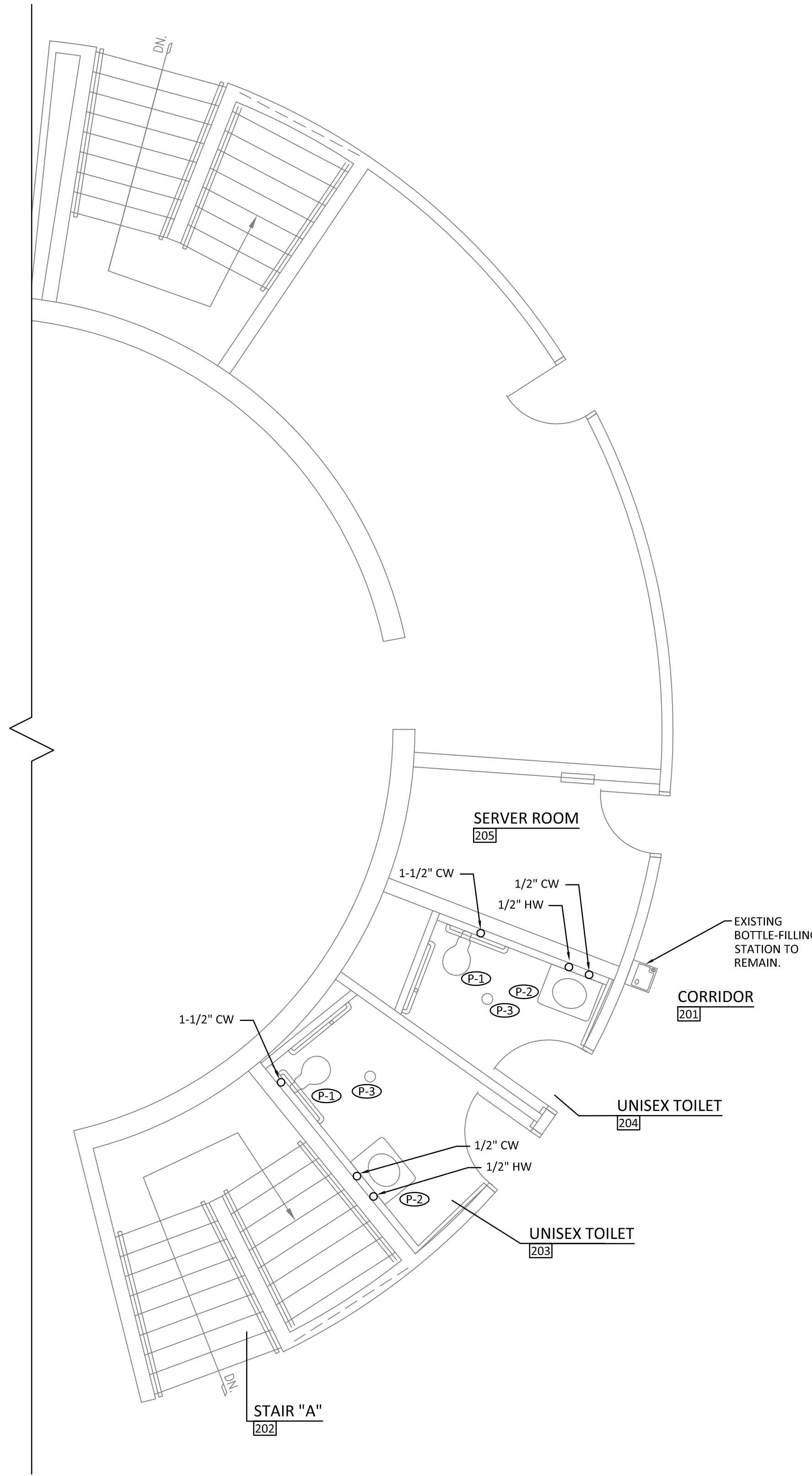
---	COLD WATER
---	HOT WATER
-H.W.R.-	HOT WATER RECIRC.
○-○	BACKFLOW PREVENTER
○-OR-○	PIPE TURN DOWN
○-OR-○	PIPE TURN UP

PLUMBING LEGEND

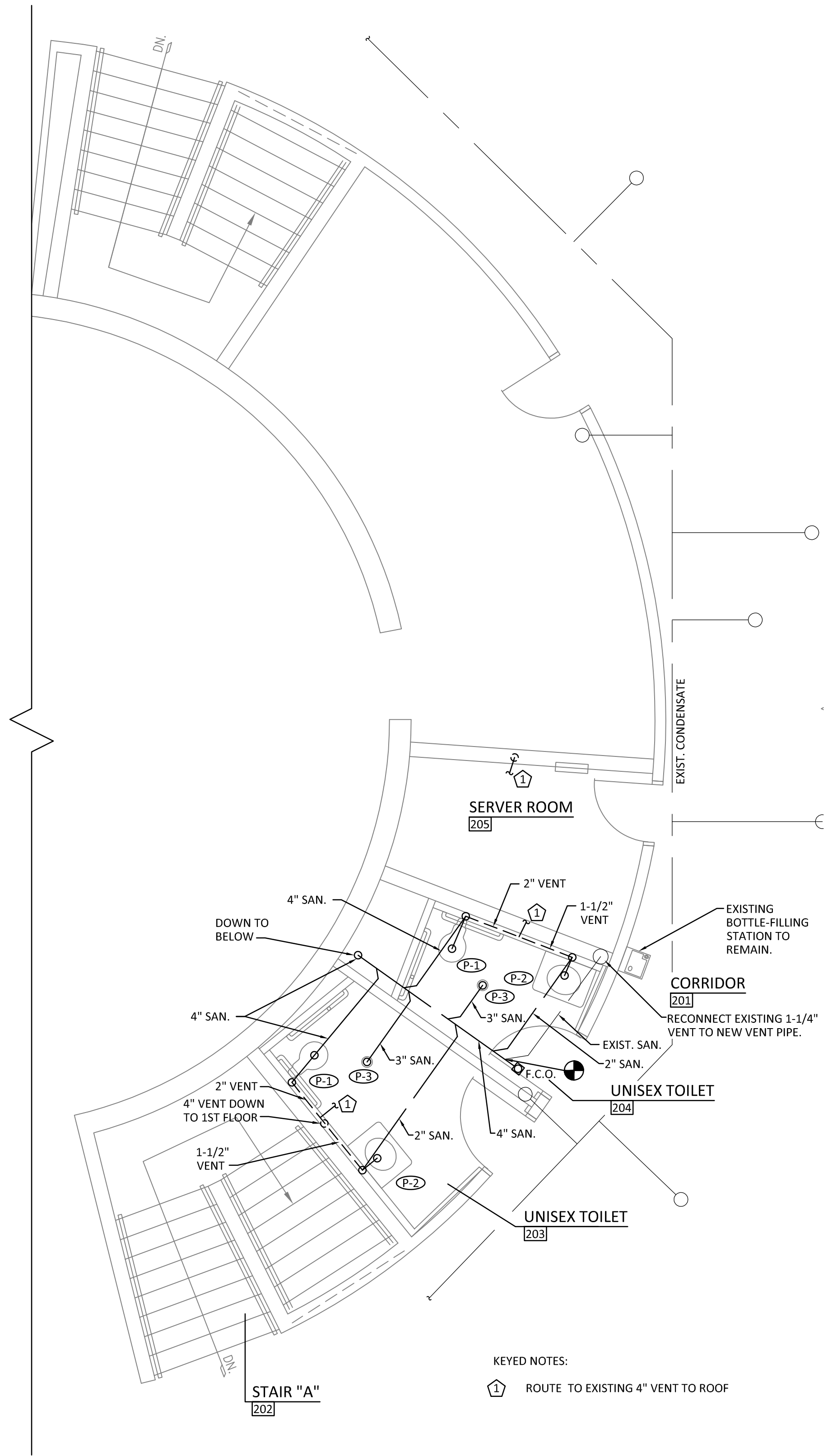
---	SANITARY
---	VENT
---	CONDENSATE
V.	VENT
V.T.R.	VENT THRU ROOF
○-OR-○	PIPE TURN DOWN
○-OR-○	PIPE TURN UP
○	CLEANOUT
○	GRADE CLEANOUT
○	FLOOR CLEANOUT



2ND FLOOR PLUMBING PLAN - DEMOLITION
 1/4" = 1'-0"
 PLAN NORTH

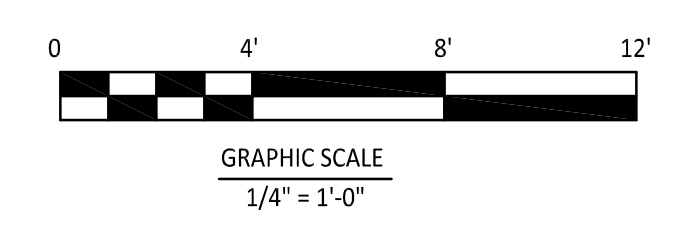


2ND FLOOR WATER PLAN - NEW WORK
 1/4" = 1'-0"
 PLAN NORTH



2ND FLOOR SANITARY PLAN - NEW WORK
 1/4" = 1'-0"
 PLAN NORTH

KEYED NOTES:
 ① ROUTE TO EXISTING 4" VENT TO ROOF



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Sheet No.

P102

GENERAL MECHANICAL NOTES

- COORDINATE WITH ARCHITECTURAL PLANS FOR ALL FIRE AND/OR SMOKE RATED BUILDING ASSEMBLIES. PROVIDE AND INSTALL U.L. RATED FIRE (SMOKE)-STOP ASSEMBLIES IN ANY SUCH AREAS AS REQUIRED BY CODE.
- COORDINATE GRILLE, REGISTER AND DIFFUSER LOCATIONS WITH LIGHTING AND CEILING GRID LAYOUT.
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING A BID.
- CONTRACTOR SHALL PROVIDE SMOKE DAMPERS AS SHOWN ON PLANS AND REQUIRED BY CODE. SMOKE DAMPERS SHALL BE WIRED IN CONJUNCTION WITH THE FIRE ALARM SYSTEM. CONTRACTOR SHALL COORDINATE OPERATING VOLTAGE OF SAID DAMPERS PRIOR TO ORDERING.
- WORKMANSHIP: MECHANICAL EQUIPMENT AND ACCESSORIES SHALL BE INSTALLED IN A NEAT WORKMANLIKE MANNER. UNSIGHTLY INSTALLATIONS SHALL BE REMOVED OR REWORKED AT NO EXPENSE TO THE OWNER.
- WHERE DUCTWORK CAN BE SEEN THRU GRILLES; PAINT DUCT WITH FLAT BLACK ENAMEL PAINT.
- REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION OF GRILLES, REGISTERS AND DIFFUSERS.
- DUCTWORK DIMENSIONS GIVEN ARE INSIDE CLEAR. SEE SPECIFICATIONS FOR INSULATION REQUIREMENTS.
- PROVIDE FLANGES ON CEILING OUTLETS LOCATED IN DRYWALL CEILINGS OR SURFACE MOUNTED OUTLETS.
- PROVIDE ALL DIFFUSERS IN SAME SPACE WITH THE SAME FULL-FACE SIZE USING THE LARGEST SIZE.
- REFER TO ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL COORDINATION WITH THESE DRAWINGS.
- CONTRACTOR SHALL VERIFY ELECTRICAL VOLTAGE, LOADS ETC. WITH ELECTRICAL TRADE, OR EXISTING CONDITIONS, PRIOR TO ORDERING EQUIPMENT.
- SEAL ALL WALL, ROOF AND FLOOR PENETRATIONS BY MECHANICAL AND ELECTRICAL SERVICE AIRTIGHT.
- DO NOT BLOCK TUBE PULL OR SERVICE SPACE ON EQUIPMENT WITH PIPING, DUCTWORK, ETC. (FLANGE OR REMOVABLE SECTION MAY BE USED IN SOME INSTANCES WHERE TIGHT CLEARANCE EXISTS)
- DO NOT BLOCK FILTER REMOVAL ON EQUIPMENT WITH PIPING, DUCTWORK, ETC. DEMONSTRATE FILTER REMOVAL TO OWNER'S REPRESENTATIVE FOR EACH UNIT AS PART OF TRAINING.
- EQUIPMENT SIZES AND SERVICE SPACE REQUIREMENTS MAY VARY BETWEEN DIFFERENT MANUFACTURERS. CONSULT APPROVED MANUFACTURER AS SUBMITTED, AND COORDINATE WITH THESE DRAWINGS.
- PROVIDE CHROME-PLATED ESCUTCHEONS AT ALL EXPOSED PIPE PENETRATIONS THROUGH WALLS.
- COORDINATE ALL PENETRATIONS OF FLOOR SLABS, ROOF AND WALLS WITH EXISTING CONDITIONS.
- CONTRACTOR SHALL VERIFY CLEARANCE REQUIREMENTS AND INDICATED ROUTING OF DUCTWORK PRIOR TO FABRICATION AS RISES AND DROPS MAY BE NECESSARY DUE TO THE TRUSS FRAMING SYSTEM.
- CONTRACTOR SHALL REMOVE EXISTING HVAC EQUIPMENT, ALL ASSOCIATED ACCESSORIES AND MATERIALS AS SHOWN AND TURN OVER TO OWNER OR REMOVE FROM THE SITE LEGALLY IF SO DIRECTED BY THE OWNER.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY EXISTING CONDITIONS BEFORE DEMOLITION WORK BEGINS. REPORT ANY DISCREPANCIES BETWEEN THE PLANS AND ACTUAL FIELD CONDITIONS TO THE ARCHITECT / ENGINEER PRIOR TO THE COMMENCEMENT OF DEMOLITION WORK.
- DEMOLITION WORK SHALL BE PHASED TO ACCOMPLISH REPLACEMENT WITH MINIMUM AMOUNT OF DOWNTIME. SCHEDULE NEW AND DEMOLITION WORK IN ADVANCE WITH THE OWNER.
- EXISTING CONDITIONS SHOWN HEREIN WHERE TAKEN FROM SITE OBSERVATIONS, ORIGINAL DESIGN DRAWINGS AND AS-BUILT DOCUMENTATION WHERE AVAILABLE; ANY DISCREPANCIES BETWEEN THE PLANS AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE ARCHITECT / ENGINEER.
- CONTRACTOR SHALL PROVIDE CERTIFIED AIR AND HYDRONIC SYSTEM BALANCE. BALANCING CONTRACTOR SHALL BE AABC OR NEBB CERTIFIED. PROVIDE REPORT TO ENGINEER/ARCHITECT.
- PROVIDE 7-DAY PROGRAMMABLE THERMOSTAT; LOCATE AS SHOWN ON PLANS.
- VARIATION OF DUCT CONFIGURATION OR SIZES OTHER THAN THOSE OF EQUIVALENT OR LOWER LOSS COEFFICIENT IS NOT PERMITTED EXCEPT BY WRITTEN PERMISSION. SIZE ROUND DUCTS INSTALLED IN PLACE OF RECTANGULAR DUCTS IN ACCORDANCE WITH ASHRAE TABLE OF EQUIVALENT RECTANGULAR AND ROUND DUCTS.
- EQUIPMENT AND MATERIALS SUBMITTED "AS EQUAL" TO THE SPECIFIED DATA MUST BE CLEARLY MARKED AS TO THE DIFFERENCES IN SUBMITTED VERSUS SPECIFIED. FAILURE TO CLEARLY MARK THE SUBMITTALS AS SUCH IS GROUNDS FOR REJECTION. SUBMITTALS NOT CLEARLY MARKED WITH DIFFERENCES TO THE SPECIFIED DATA CAN BE ASSUMED TO MEET ALL SPECIFIED REQUIREMENTS AND CONTRACTOR IS RESPONSIBLE TO PROVIDE AS SUCH.
- DUCT MOUNTED REGISTERS SHALL BE MOUNTED IN A COLLAR WITH SUFFICIENT LENGTH TO PREVENT DAMPERS FROM OBSTRUCTING AIR FLOW. COLLARS TO BE OVERSIZED FOR REVERSE FLANGE REGISTER MOUNTING.
- DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEM.
- DO NOT ROUTE ANY PIPING DIRECTLY OVER ELECTRICAL PANELS AND EQUIPMENT, ELEVATOR EQUIPMENT AND CONTROLS, OR TELECOMMUNICATIONS EQUIPMENT. SEE ELECTRICAL AND TELECOMMUNICATIONS DRAWINGS FOR EXACT EQUIPMENT LOCATIONS.
- WHERE BRANCH TAPS OCCUR, PROVIDE INDIVIDUAL SPIN-IN FITTINGS WITH MANUAL VOLUME DAMPER FOR BALANCING.
- PROVIDE CANVAS FLAME RETARDANT FLEXIBLE DUCT CONNECTORS AT ALL CONNECTIONS OF FANS TO DUCTWORK.

MECHANICAL SPECIFICATIONS

AIR CONDITIONING, HEATING AND VENTILATING SYSTEMS

- PART 1. GENERAL:**
- A. SCOPE:**
FURNISH ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO INSTALL ALL AIR CONDITIONING, HEATING AND VENTILATING WORK INDICATED ON THE DRAWINGS, SPECIFIED HEREIN, AND IN ACCORDANCE WITH ALL CITY, STATE, AND NATIONAL CODE.
- B. ELECTRICAL WORK:**
ALL WIRING SHALL BE INCLUDED UNDER ELECTRICAL SECTION OF THE SPECIFICATIONS. ALL CONTROL WIRING SHALL BE BY MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR TO VERIFY VOLTAGE AND PHASE PRIOR TO ORDERING ANY EQUIPMENT.
- C. NOISE AND VIBRATION:**
EQUIPMENT SHALL OPERATE QUIETLY. THE OPERATION OF THE EQUIPMENT SHALL CAUSE NO PERCEPTIVE VIBRATION OR OBJECTIONABLE NOISE IN ANY PORTION OF THE BUILDING OR STRUCTURE.
- D. WARRANTIES:**
FURNISH A FIVE-YEAR WARRANTY ON AIR CONDITIONING COMPRESSOR UNIT AND A ONE-YEAR SERVICE AND GUARANTEE ON ALL NEW CONTROLS AND EQUIPMENT. CONTRACTOR SHALL MAKE GOOD ANY DEFECT IN MATERIAL OR WORKMANSHIP FOR (1) ONE YEAR FROM DATE OF ACCEPTANCE. DATE OF ACCEPTANCE IS DATE CERTIFIED BY ARCHITECT/ENGINEER THAT CONTRACT HAS BEEN SATISFACTORILY COMPLETED IN ACCORD WITH CONTRACT DOCUMENTS.
- E. EQUIPMENT ANCHORAGE:**
PROVIDE ALL MATERIALS AND LABOR REQUIRED FOR EQUIPMENT ANCHORAGE TO BUILDING STRUCTURE.
- F. SHOP DRAWINGS AND SUBMITTALS:**
PROVIDE ARCHITECT/ENGINEER WITH ELECTRONIC COPIES OF SHOP DRAWINGS OF ALL EQUIPMENT FOR APPROVAL PRIOR TO ORDERING EQUIPMENT.
- G. PERMITS AND FEES:**
CONTRACTOR TO OBTAIN ALL PERMITS AND PAY ALL INSPECTION FEES REQUIRED FOR HIS PORTION OF WORK ON PROJECT.
- H. COORDINATION:**
CONTRACTOR SHALL COORDINATE ALL WORK WITH THE GENERAL CONTRACTOR AND OTHER TRADES.
- I. WORKMANSHIP:**
ALL HVAC EQUIPMENT SHALL BE INSTALLED IN A NEAT WORKMANLIKE MANNER. UNSIGHTLY INSTALLATION SHALL BE REMOVED OR REWORKED AT NO ADDITIONAL EXPENSE TO THE OWNER.
- PART 2. PRODUCTS:**
- A. EQUIPMENT:**
SEE NOTES AND DETAILS ON DRAWINGS FOR EQUIPMENT. ALL EQUIPMENT TO BE U.L. LISTED.
- B. DUCTWORK:**
1) RECTANGULAR DUCTWORK SHALL BE GALVANIZED SHEET METAL.
- C. AIR DEVICES:**
FURNISH AND INSTALL GRILLES, REGISTERS, DIFFUSERS, LOUVERS, ETC. AS NOTED AND OF CAPACITIES SCHEDULED ON DRAWINGS. COORDINATE EXACT LOCATIONS WITH LIGHTING, SPRINKLERS AND ARCHITECT'S CEILING PLANS.
- D. EXHAUST FANS:**
FURNISH AND INSTALL EXHAUST FANS OF SIZE AND CAPACITY SHOWN ON DRAWINGS.
- E. FIRE DAMPERS:**
PROVIDE U.L. APPROVED FIRE DAMPERS WHERE SHOWN ON DRAWINGS, AND WHERE REQUIRED BY NFPA-90.
- F. HVAC UNITS:**
PROVIDE WATER SOURCE FAN COILS WITH ELECTRIC HEAT OF SIZE AND CAPACITIES SHOWN ON DRAWINGS AND SCHEDULES. UNITS SHALL HAVE HIGH STATIC ECM MOTORS, 2 ROW COOLING COIL, BOTTOM STAMPED LOUVER INLET AND FRONT DUCT COLLAR OUTLET. PROVIDE STANDARD ONE YEAR WARRANTY ON LABOR AND AN EXTENDED FIVE (5) YEAR WARRANTY ON WHOLE UNIT. FAN DRIVES SHALL BE CAPABLE OF DEVELOPING NO LESS THAN THE EXTERNAL STATIC PRESSURE INDICATED PLUS 20% AT THE DESIGN AIR FLOW.

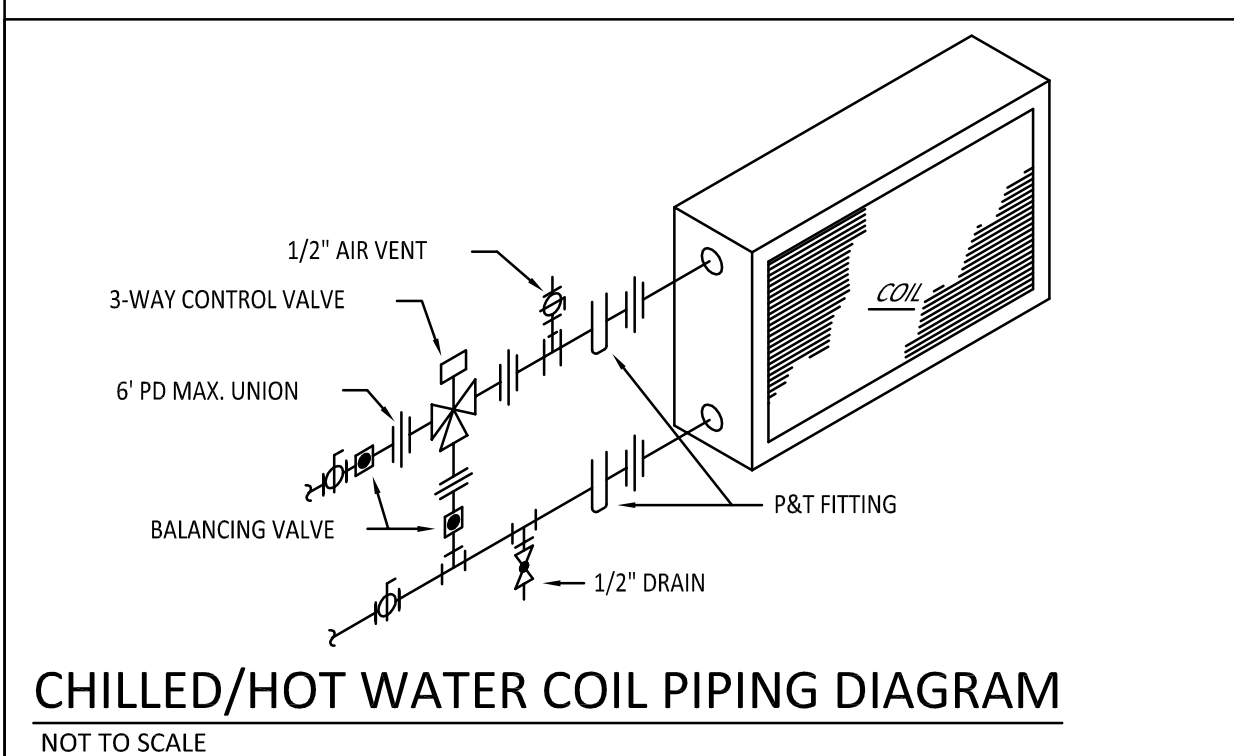
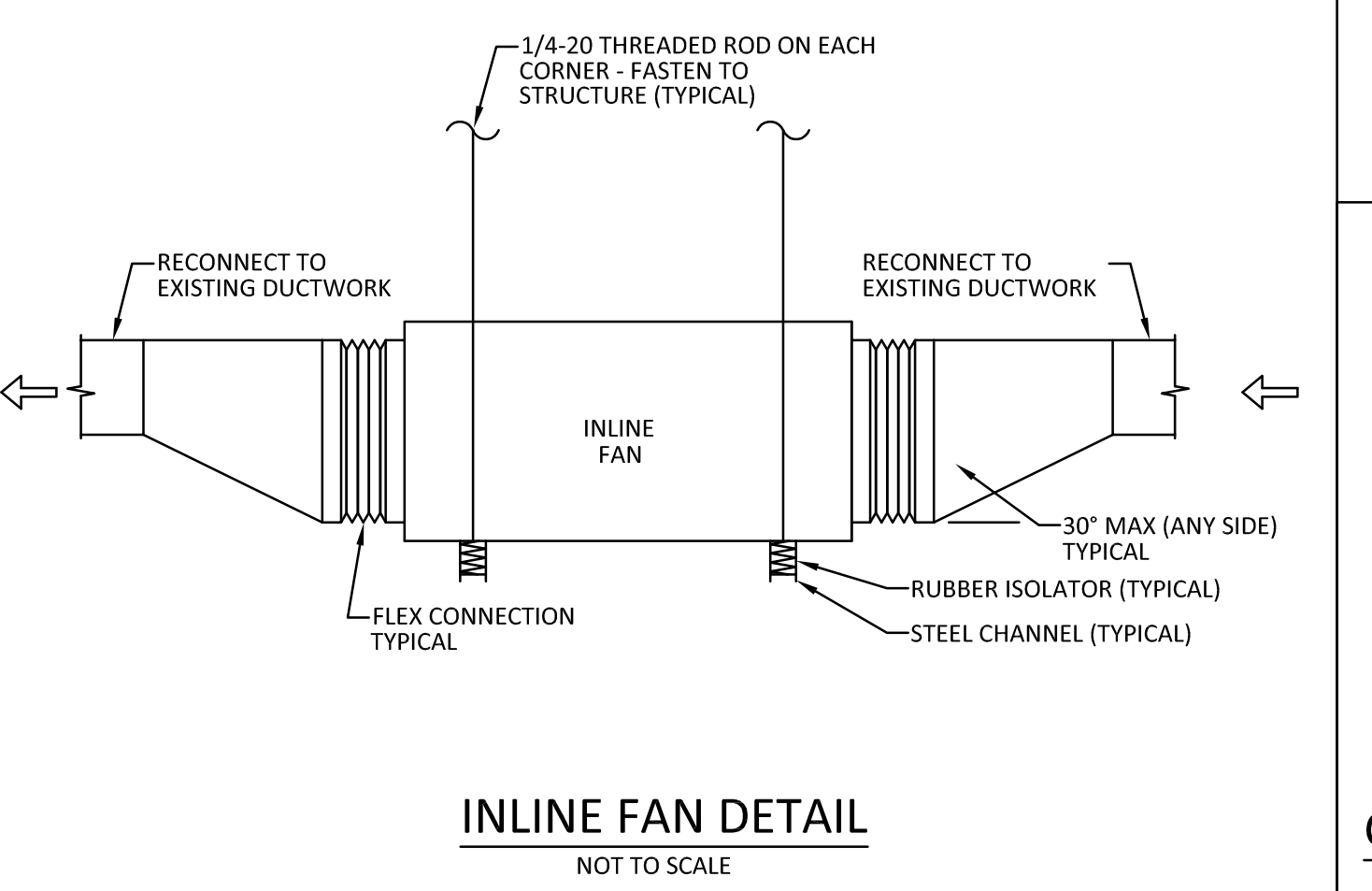
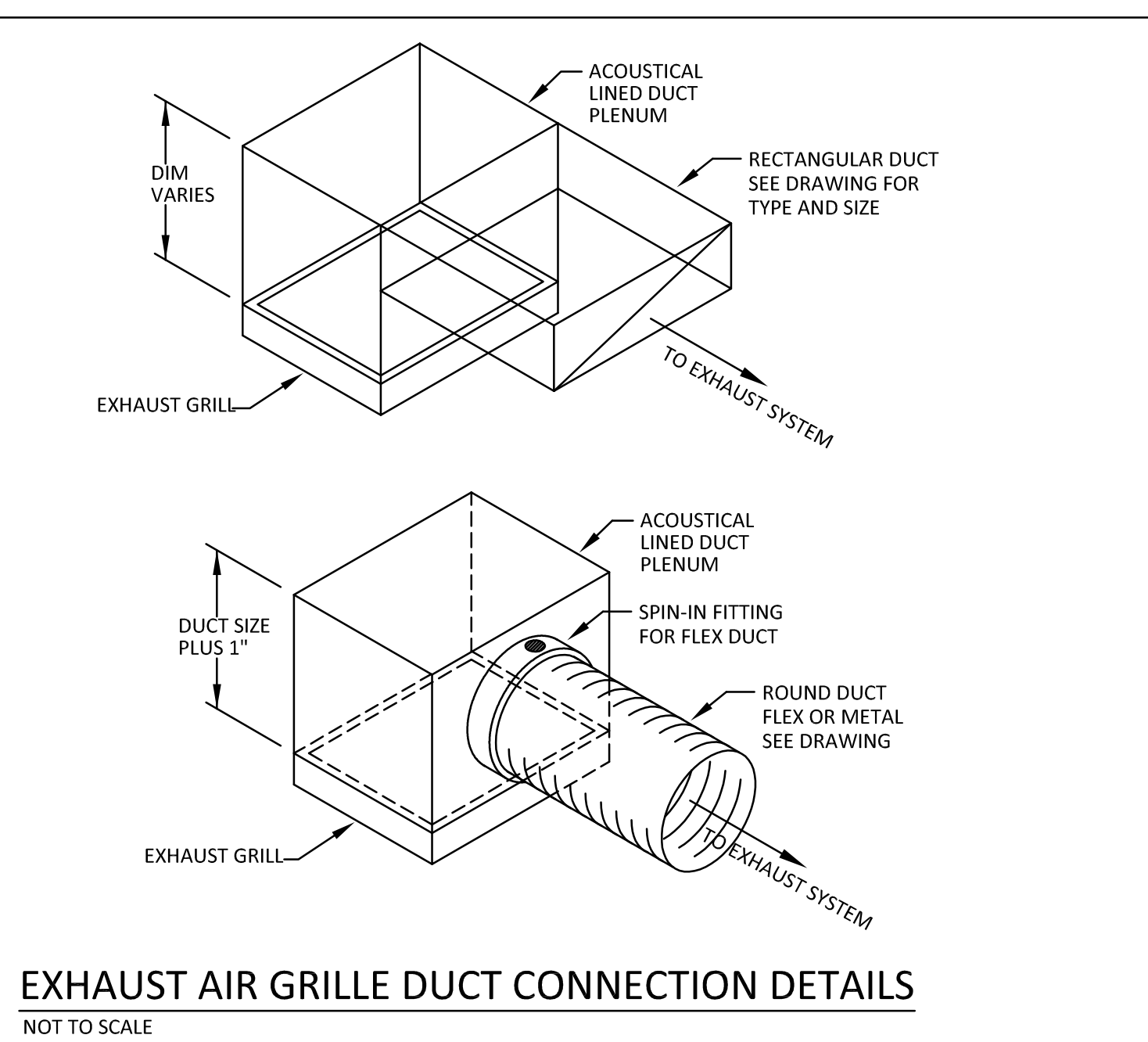
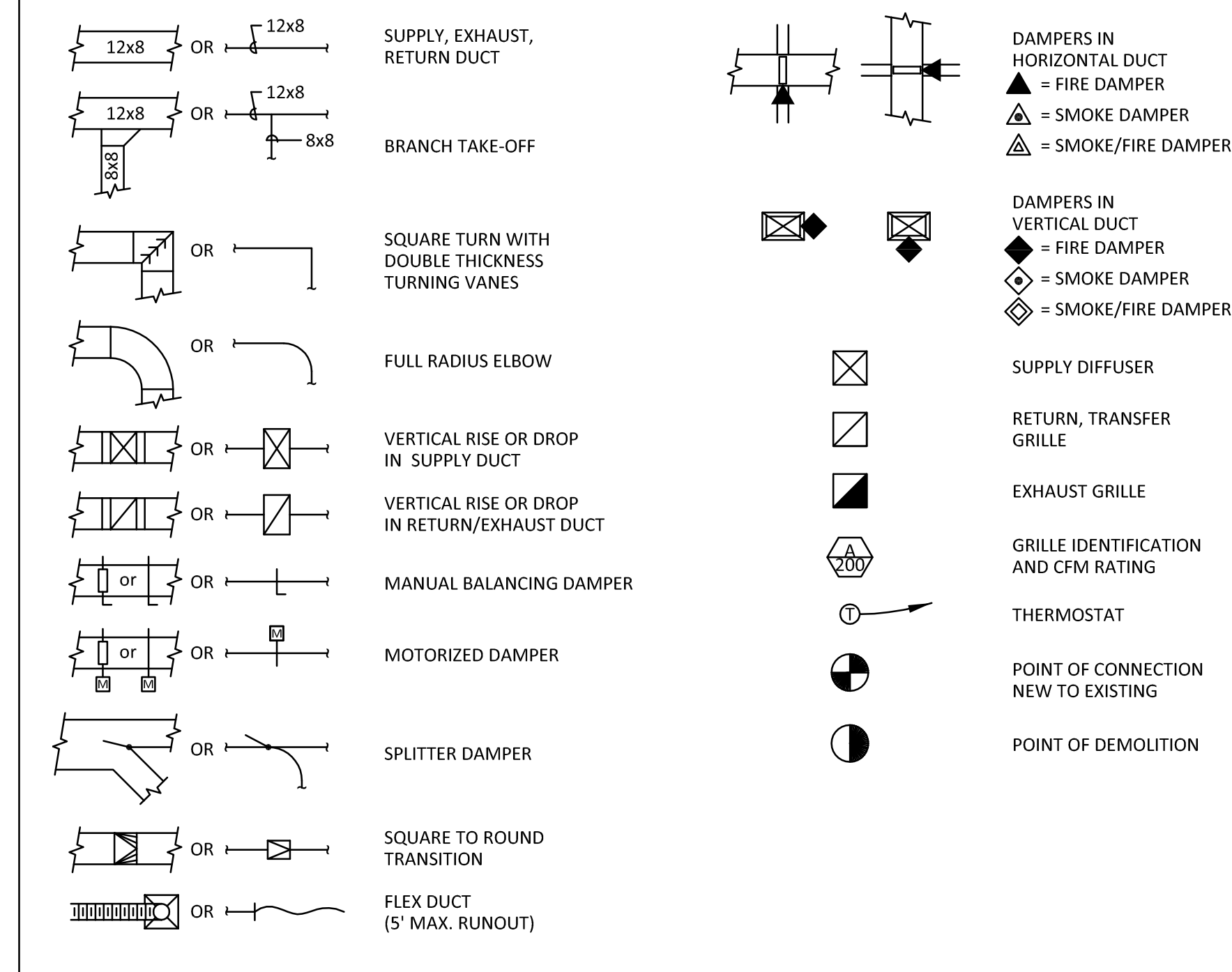
PART 3. EXECUTION:

- A. DUCTWORK:**
INSTALLATION SHALL BE RIGID AND DUCTWORK FREE FROM RATTLES AND AIR NOISES WHEN IN OPERATION. SUPPORT DUCTWORK WITH TRAPEZE HANGERS.
- ROUND DUCT SHALL BE GALVANIZED SHEET METAL (METAL OR FLEXIBLE INSULATED). INSTALL AND FABRICATE ALL DUCTWORK ACCORDING TO SMACNA STANDARDS. PRESSURE SENSITIVE TAPE SHALL BE USED TO SEAL JOINTS.
 - WHERE DUCTWORK CAN BE SEEN THRU GRILLES SPRAY WITH FLAT BLACK ENAMEL PAINT.
 - PROVIDE FLEXIBLE CONNECTORS BETWEEN DUCTWORK AND ALL FANS AND EQUIPMENT.
- B. DUCT INSULATION:**
2" 2, 3/4# DENSITY FIBERGLASS WITH VAPOR BARRIER. ALL SHEET METAL SUPPLY, RETURN, AND OUTSIDE AIR DUCTS TO BE INSULATED.
- C. TESTING AND BALANCING:**
1) TEST AND BALANCE ALL HEATING, COOLING AND VENTILATING EQUIPMENT AND SYSTEMS TO PERFORM AS SHOWN ON THE DRAWINGS AND SPECIFICATIONS, OR AS REQUIRED FOR THE PROPER OPERATION AND AS DIRECTED BY THE ENGINEER.
2) SUBMIT FINAL DETAILED TEST AND BALANCE REPORT TO THE ENGINEER.
3) TEST AND BALANCE BY CERTIFIED TEST AND BALANCE FIRM.
- FIRE-STOPPING**
PROVIDE FIRE STOPPING OF ALL PIPE, FITTINGS, CONDUIT, DUCTWORK THRU RATED PARTITIONS. ALL PIPE AND CONDUIT SHALL BE SLEEVED AND CAULKED USING "HILTI" FIRE STOP SYSTEMS.

BASIC REQUIREMENTS FOR MECHANICAL SYSTEMS

- RESPONSIBILITY OF BIDDERS: CONTRACTOR SHALL EXAMINE ALL DRAWINGS AND SPECIFICATIONS ISSUED AND SHALL VISIT THE PROJECT SITE. BIDDERS MUST BE FAMILIAR WITH THE CODES, RULES AND REGULATIONS IN EFFECT AT THE SITE OF THE WORK. BY SUBMITTING A BID THE CONTRACTOR AGREES HE HAS VISITED THE PROJECT SITE AND HAS REVIEWED EXISTING CONDITIONS AND HAS REFLECTED EXISTING CONDITIONS IN THE BID.
- MECHANICAL DRAWINGS: THE DRAWINGS ARE INTENDED TO BE DIAGRAMMATIC AND ARE BASED ON ONE MANUFACTURER'S EQUIPMENT. THEY ARE NOT INTENDED TO SHOW EVERY ITEM IN ITS EXACT LOCATION, THE EXACT DIMENSIONS OR ALL THE DETAILS OF THE EQUIPMENT. CONTRACTOR SHALL VERIFY THE ACTUAL DIMENSIONS OF THE EQUIPMENT PROPOSED TO ASSURE THAT THE EQUIPMENT WILL FIT IN THE AVAILABLE SPACE.
- COORDINATION: THE MECHANICAL WORK SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER IN THE LOCATIONS SHOWN BUT SHALL BE SUBJECT TO SUCH DEVIATIONS, MODIFICATIONS AND RELOCATIONS AS MAY BE NECESSARY TO CONFORM TO THE REQUIREMENTS OF PROJECT CONDITIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THE WORK WITH ALL TRADES.
- PRODUCTS: PRODUCTS SHALL BE NEW AND FIRST LINE QUALITY, OF GRADE AND TYPE SHOWN ON PLANS AND SPECIFIED, OR EQUALS AS APPROVED BY DESIGNER IN WRITING. ALL PRODUCTS SHALL BE IN CURRENT PRODUCTION WITH NO NOTICE OF BEING DISCONTINUED OR DRASTICALLY CHANGED FROM CURRENT PRODUCTION.
- PERMITS CODES AND REGULATIONS: ALL WORK SHALL BE IN ACCORDANCE WITH THE FOLLOWING: INTERNATIONAL BUILDING, MECHANICAL AND PLUMBING CODE, NFPA, ASME, ASTM, U.L. NEC, NEMA, SMACNA, ARI, ANSI, OSHA AND ASHRAE. OBTAIN ALL PERMITS PAY ALL ASSOCIATED FEES AND REQUEST INSPECTIONS FROM THE AUTHORITY HAVING JURISDICTION.

H.V.A.C. LEGEND AND SYMBOLS



FAN COIL UNIT SCHEDULE - ALTERNATE NO. 1

MARK	TYPE	CFM	E.S.P. IN. W.C.	O.A. CFM	VOLTS Ø	MCA	MOP	ELECTRIC HEAT			CHILLED WATER COOLING				WEIGHT (LBS.)	
								CAPACITY MBH	KW	EAT/LAT (DEG F)	CAPACITY SENS MBH	TOTAL MBH	GPM	P.D. (FT. HD)		EWT/LWT (DEG F)
FC-1	HORIZ. RECESSED	200	0.45	40	115/1	23.58	25	6.82	2.00	60/92	3.86	5.36	1.00	7.53	45/55	80.0
FC-2	HORIZ. RECESSED	200	0.45	40	115/1	23.58	25	6.82	2.00	60/92	3.86	5.36	1.00	7.53	45/55	80.0

- COOLING ENTERING AIR CONDITION: 75°F DB/63°F WB.
- HEATING ENTERING AIR CONDITION: 60°F DB.
- PROVIDE UNIT MOUNTED DISCONNECT SIZED AND FUSED/NON-FUSED PER MANUFACTURER'S NAMEPLATE REQUIREMENTS.
- PROVIDE 3-WAY CONTROL VALVE FOR CHILLED WATER COIL.
- PROVIDE 1" MERV 8 AIR FILTERS, PIPING KIT, CIRCUIT SETTERS AND PROGRAMMABLE THERMOSTAT AND ALL REQUIRED MOUNTING ACCESSORIES. INTEGRATE WITH EXISTING HONEYWELL CONTROL SYSTEM.
- PROVIDE WITH BOTTOM STAMPED LOUVER RETURN AND FRONT DUCT COLLAR OUTLET. PROVIDE HIGH STATIC DRIVE ON ALL UNITS
- VARIABLE SPEED FAN
- CABINET FINISH TO BE SELECTED BY OWNER.

GRILLES, REGISTERS, AND DIFFUSERS SCHEDULE

MARK	MANUFACTURER AND MODEL NO.	SERVICE	DESCRIPTION	MATERIAL	FINISH	ACCESSORIES AND FEATURES
S1	PRICE MODEL SMD	SUPPLY	24x24 T-BAR, LAY-IN, 4-WAY	STEEL	WHITE	-
E1	PRICE MODEL B0	EXHAUST	12x12 T-BAR, LAY-IN	ALUM	WHITE	-

- PROVIDE WITH EQUALIZING GRID.

EXHAUST FAN SCHEDULE

MARK	MANUFACTURER AND MODEL NO.	CFM	SP. WG	MOTOR HP	VOLTS Ø	MCA	MOCP	TYPE	FAN RPM	CONTROL	WEIGHT (LBS.)
EF-1	GREENHECK SQ-95-VG	520	0.5	1/6	115/1	3.5	15	IN-LINE	1639	NOTE 2	50

- NOTES:**
- PROVIDE WITH DISCONNECT SIZED AND FUSED/NON-FUSED PER MANUFACTURER'S RECOMMENDATION.
 - PROVIDE WITH VG CONTROLS. FAN TO BE OPERATED BY TIME CLOCK DURING HOURS THAT BUILDING IS OCCUPIED. FAN TO START AN HOUR PRIOR TO BUILDING BEING OCCUPIED AND TURN OFF 1 HOUR AFTER BUILDING IS UNOCCUPIED.
 - PROVIDE WITH FLEX CONNECTIONS TO DUCTWORK.

DUCT SIZES TO SUPPLY DIFFUSER

DUCT SIZE	ACCEPTABLE CFM	NECK SIZE UNLESS OTHERWISE NOTED
6"Ø	5-105	6"x6"
7"Ø	110-155	9"x9"
8"Ø	160-225	9"x9"
9"Ø	230-305	12"x12"
10"Ø	310-405	12"x12"
12"Ø	410-555	12"x12"
14"Ø	660-995	15"x15"
16"Ø	1000-1400	18"x18"

- DUCT SIZES ON MAXIMUM 0.1 INCHES FRICTION PER 100 FEET OF DUCT.
- NECK SIZE LISTED FOR DIFFUSERS REQUIRING SQUARE TO ROUND TRANSITION.
- CONTRACTORS OPTION: BRANCH DUCT RUN-OUTS MAY BE INCREASED ONE DUCT SIZE TO ACCOMMODATE AIR OUTLET CONNECTION. I.E.: 7"Ø BRANCH DUCT MAY INCREASED TO 8"Ø TO ACCOMMODATE 8"Ø CONNECTION AT AIR OUTLET.



RENOVATIONS TO ADMINISTRATION BUILDING
BRISTOL TENNESSEE CITY SCHOOLS
BRISTOL, TENNESSEE
HVAC SCHEDULES, LEGEND, NOTES AND SPECIFICATIONS

Revision table with columns for No., Date, and Description.

Design and drawing information table.

Project No. 17959



Sheet No.

M001



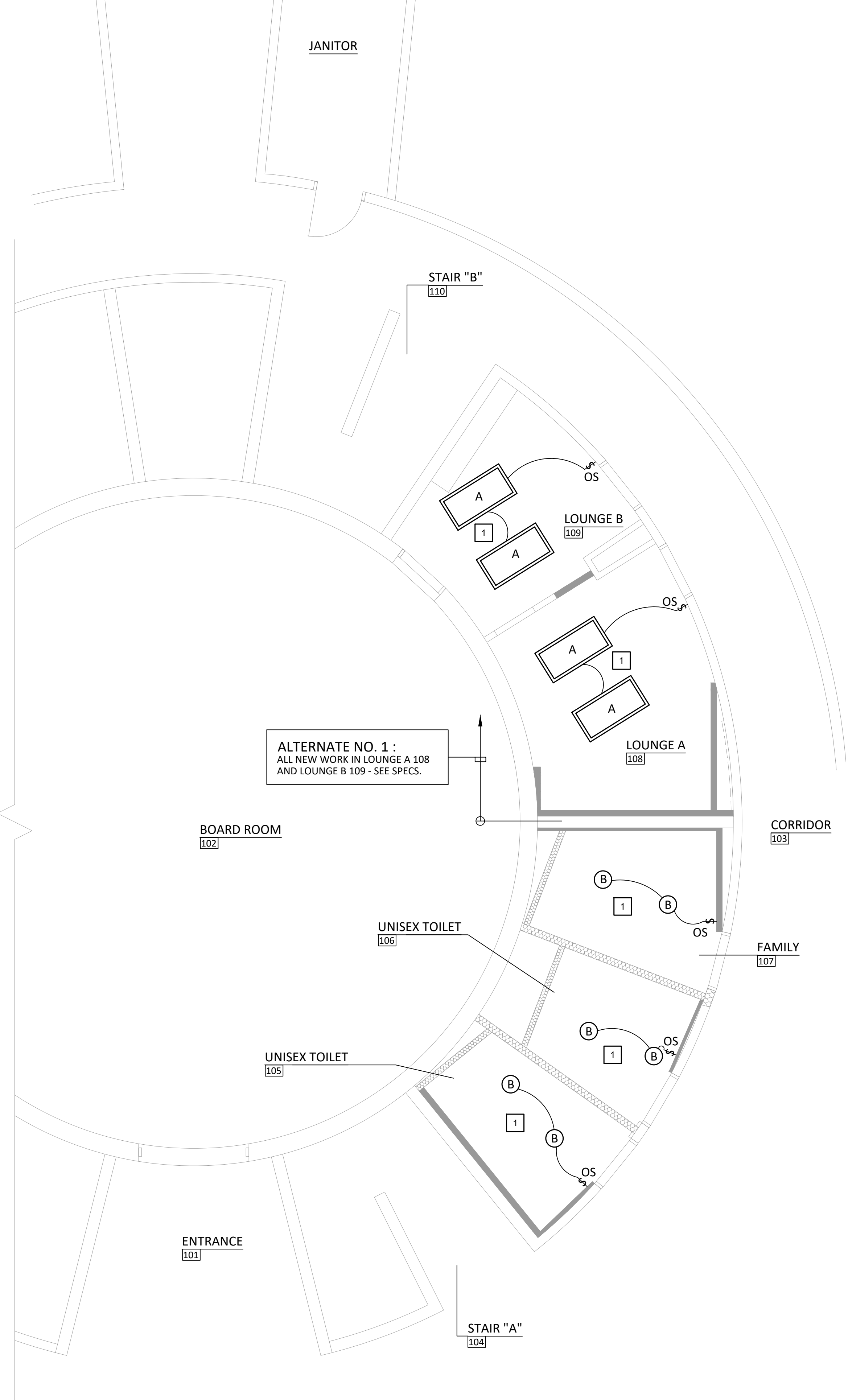
RENOVATIONS TO ADMINISTRATION BUILDING
BRISTOL TENNESSEE CITY SCHOOLS
 BRISTOL, TENNESSEE
FIRST FLOOR ELECTRICAL PLANS

SHEET NEW WORK KEYNOTES:

1. CONNECT NEW LIGHT FIXTURES AND CONTROLS TO MAINTAINED CIRCUITRY. EXTEND AS REQUIRED. MATCH EXISTING WIRE SIZE.
2. RE-INSTALL FIRE ALARM DEVICE MAINTAINED FROM DEMOLITION ON NEW CEILING.
3. PROVIDE NEW 208VOLT, 50AMP, 4-WIRE STOVE RECEPTACLE. CIRCUIT TO EXISTING 50AMP, 2-POLE BREAKER IN PANEL C#4 MAINTAINED FROM DEMOLITION. CONNECT WITH 3#8 THWN CU, 1#10 THWN CU GND, IN 3/4" EMT.
4. PROVIDE 120VOLT, 20AMP BREAKER IN PANEL D AVAILABLE SPACE FOR NEW RECEPTACLE CIRCUIT. CONNECT WITH 2#12 THWN CU, 1#12 THWN CU GND, IN 3/4" EMT.
5. PROVIDE 120VOLT, 15AMP, GFI PROTECTION BREAKER IN PANEL D AVAILABLE SPACE FOR NEW CHAIR LIFT CIRCUIT. CONNECT WITH 2#12 THWN CU, 1#12 THWN CU GND, IN 3/4" EMT. COORDINATE CONNECTION REQUIREMENTS WITH EXACT EQUIPMENT PROVIDED.
6. PROVIDE 120VOLT, 25AMP BREAKER IN PANEL D AVAILABLE SPACE FOR FC-1. CONNECT WITH 2#10 THWN CU, 1#10 THWN CU GND, IN 3/4" EMT.
7. PROVIDE 120VOLT, 25AMP BREAKER IN PANEL D AVAILABLE SPACE FOR FC-2. CONNECT WITH 2#10 THWN CU, 1#10 THWN CU GND, IN 3/4" EMT.
8. PROVIDE NEW GFI RECEPTACLE FOR RELOCATED ELECTRIC WATER COOLER. CONNECT TO MAINTAINED CIRCUITRY. CONCEAL RECEPTACLE BEHIND WATER COOLER.
9. PROVIDE NEW CEILING MOUNTED FIRE ALARM STROBE. MATCH EXISTING DEVICES AND CONNECT TO FIRE ALARM SYSTEM. FACP IS NOTIFIER NF-100X, LOCATED IN FRONT OFFICE.
10. PROVIDE 120VOLT, 20AMP BREAKER IN PANEL D AVAILABLE SPACE FOR NEW MICROWAVE RECEPTACLE. COORDINATE HEIGHT WITH OWNER AND OWNER PROVIDED MICROWAVE. CONNECT WITH 2#12 THWN CU, 1#12 THWN CU GND, IN 3/4" EMT.

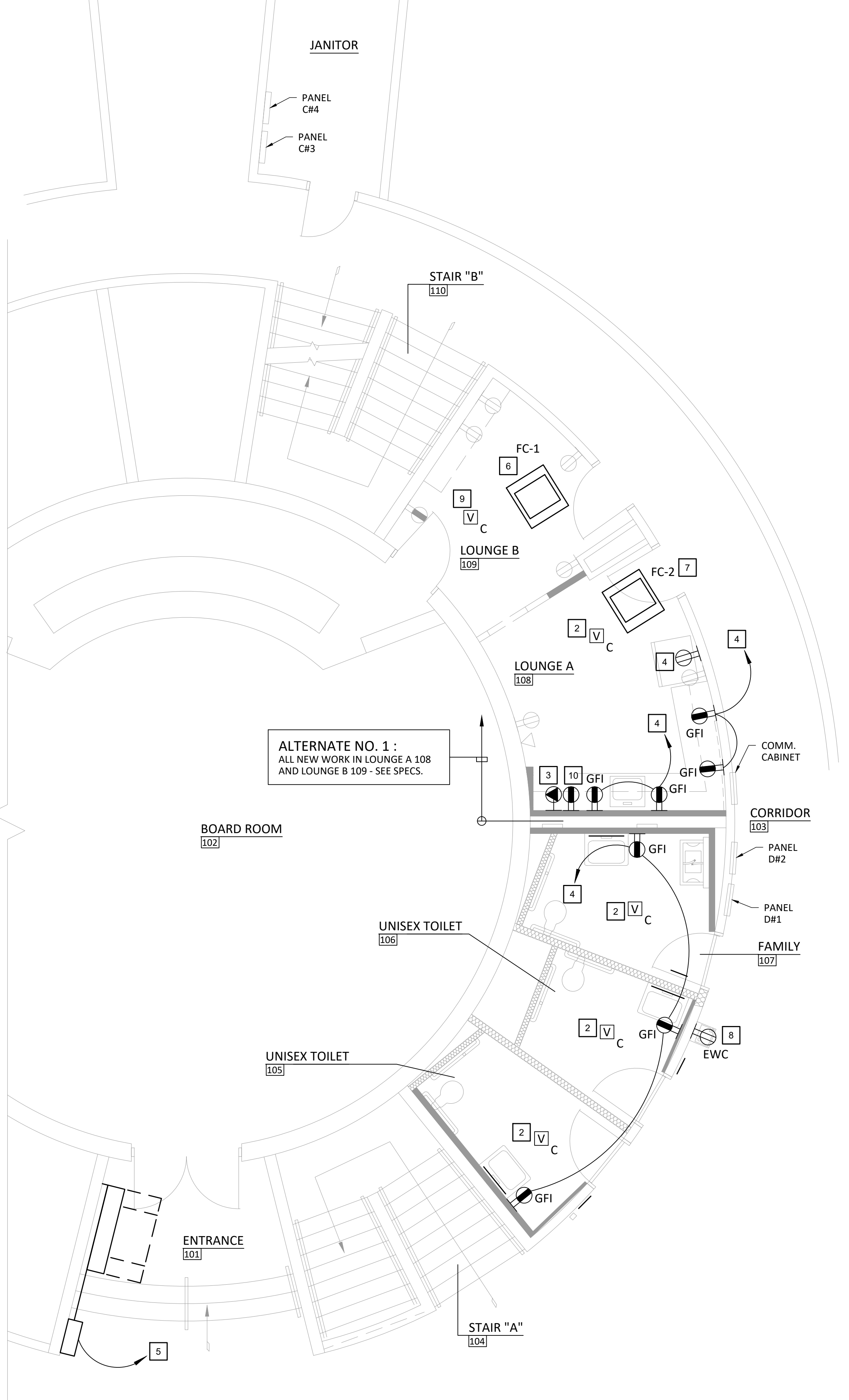
SHEET DEMOLITION KEYNOTES:

1. DISCONNECT AND REMOVE LIGHT FIXTURES AND CONTROLS THIS ROOM. MAINTAIN CIRCUITRY FOR CONNECTION TO NEW FIXTURES AND CONTROLS IN NEW WORK.
2. DISCONNECT AND REMOVE FIRE ALARM DEVICE. MAINTAIN CIRCUITRY AND DEVICE FOR RELOCATION IN NEW WORK.
3. DISCONNECT AND REMOVE SWITCH FOR SINK GARBAGE DISPOSAL. RE-WIRE TO MAINTAIN POWER TO RECEPTACLE.
4. DISCONNECT AND REMOVE STOVE RECEPTACLE AND ASSOCIATED CIRCUITRY. MAINTAIN BREAKER IN PANEL FOR NEW WORK.
5. DISCONNECT AND REMOVE COAX CABLE AND ASSOCIATED CIRCUITRY.
6. DISCONNECT AND REMOVE DATA OUTLET AND ASSOCIATED CIRCUITRY.
7. DISCONNECT AND REMOVE RECEPTACLE AND ASSOCIATED CIRCUITRY. IF ONLY DEVICE ON CIRCUIT, LABEL BREAKER "SPARE", OTHERWISE MAINTAIN CIRCUIT TO LAST REMAINING DEVICE.
8. DISCONNECT AND REMOVE HEATER AND ASSOCIATED CIRCUITRY. LABEL BREAKER "SPARE".
9. DISCONNECT AND REMOVE FAN COIL UNIT AND ASSOCIATED CIRCUITRY. IF ONLY UNIT ON CIRCUIT, LABEL BREAKER "SPARE", OTHERWISE MAINTAIN CIRCUIT TO LAST REMAINING DEVICE.
10. DISCONNECT AND REMOVE ELECTRIC WATER COOLER. MAINTAIN CIRCUITRY FOR RELOCATION IN NEW WORK.



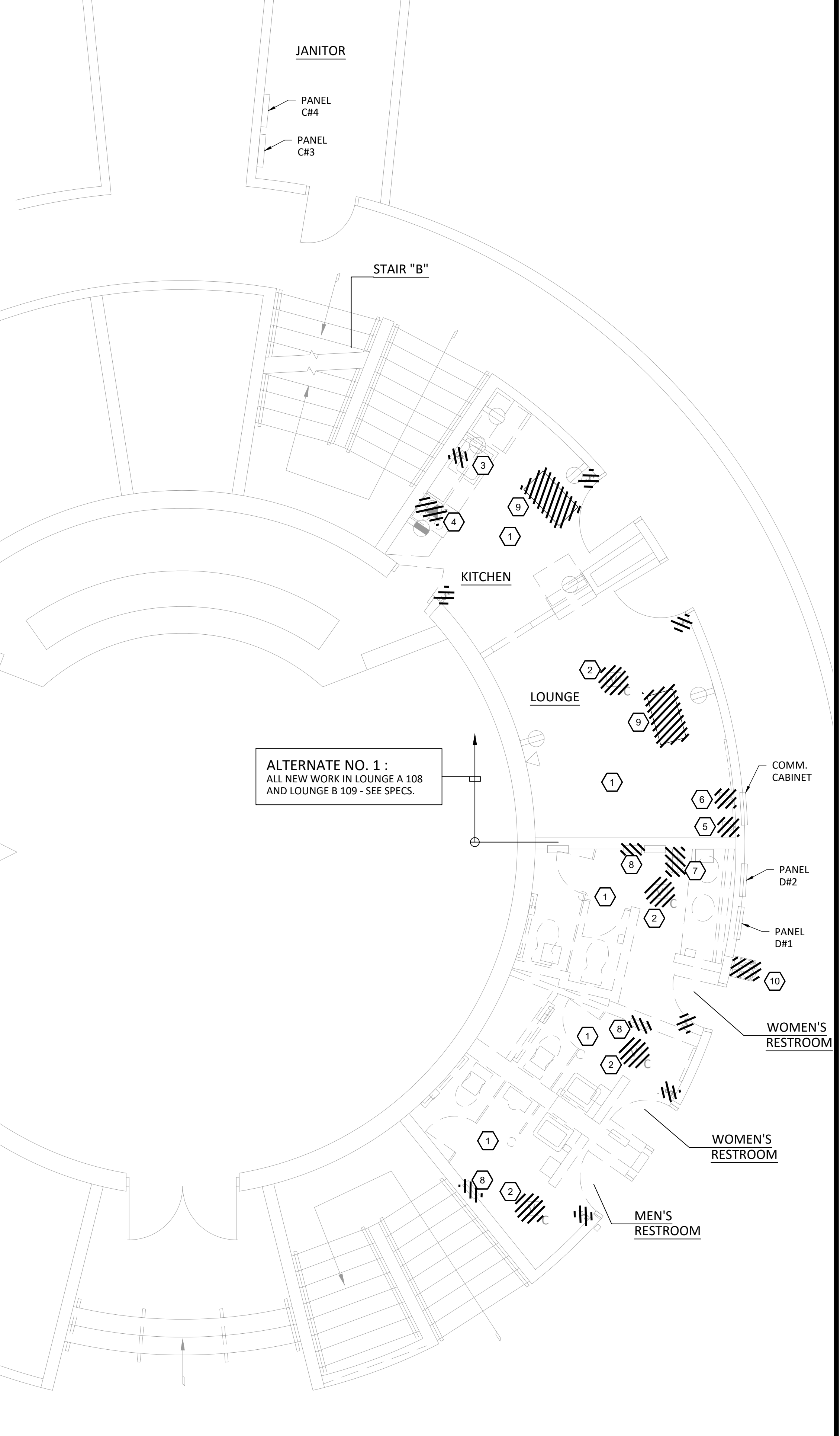
FIRST FLOOR ELECTRICAL PLAN - CEILING PLAN

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



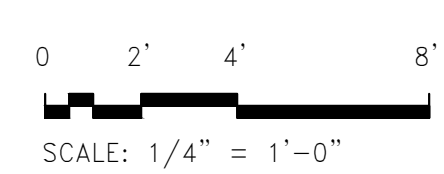
FIRST FLOOR ELECTRICAL PLAN - NEW

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



FIRST FLOOR ELECTRICAL PLAN - DEMOLITION

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



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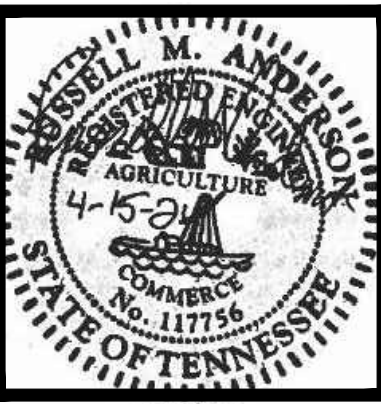
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Checked	RMA
Date	4-15-2024

Project No. **17959**



Sheet No.

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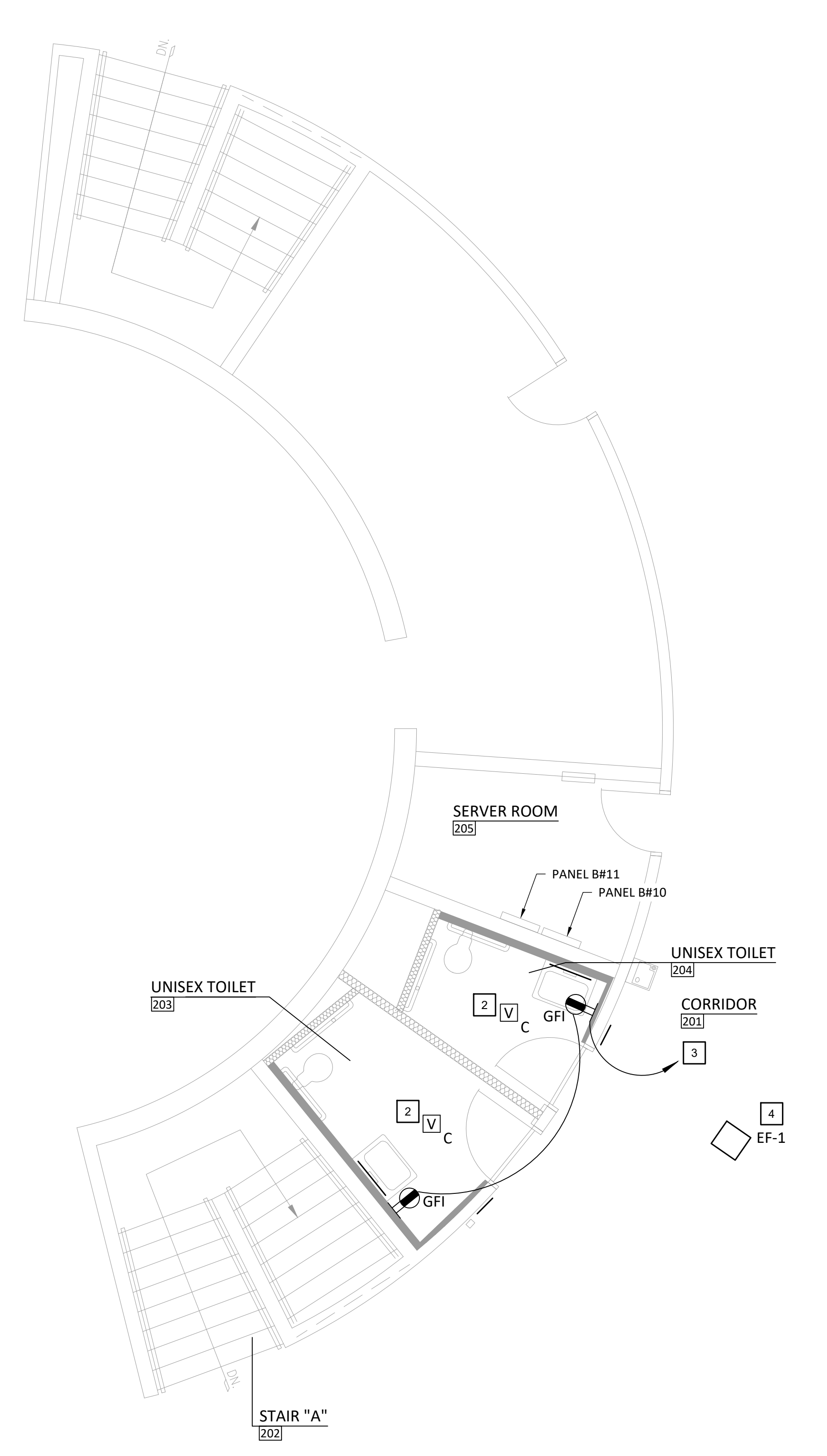
RENOVATIONS TO ADMINISTRATION BUILDING
BRISTOL TENNESSEE CITY SCHOOLS
BRISTOL, TENNESSEE
SECOND FLOOR ELECTRICAL PLANS

- SHEET NEW WORK KEYNOTES:**
- CONNECT NEW LIGHT FIXTURES AND CONTROLS TO MAINTAINED CIRCUITRY. EXTEND AS REQUIRED. MATCH EXISTING WIRE SIZE.
 - RE-INSTALL FIRE ALARM DEVICE MAINTAINED FROM DEMOLITION ON NEW CEILING.
 - REPURPOSE EXISTING 120VOLT, 20AMP BREAKER FOR WOMEN'S RESTROOM HEATER IN PANEL B#11, POLE SPACE #1 FOR NEW RECEPTACLE CIRCUIT. CONNECT TO MAINTAINED CIRCUITRY WITH 2#12 THWN CU, 1#12 THWN CU GND, IN 3/4" EMT.
 - PROVIDE 120VOLT, 15AMP BREAKER IN EXISTING PANEL B#11, POLE SPACE #2 FOR EF-1. CONNECT WITH 2#12 THWN CU, 1#12 THWN CU GND, IN 3/4" EMT.



SECOND FLOOR ELECTRICAL PLAN - CEILING PLAN
SCALE: 1/4" = 1'-0"

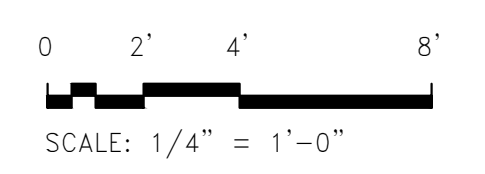
- SHEET DEMOLITION KEYNOTES:**
- DISCONNECT AND REMOVE LIGHT FIXTURES AND CONTROLS THIS ROOM. MAINTAIN CIRCUITRY FOR CONNECTION TO NEW FIXTURES AND CONTROLS IN NEW WORK.
 - DISCONNECT AND REMOVE FIRE ALARM DEVICE. MAINTAIN CIRCUITRY AND DEVICE FOR REUSE IN NEW WORK.
 - DISCONNECT AND REMOVE HEATER. MAINTAIN CIRCUITRY AND BREAKER FOR NEW WORK.
 - DISCONNECT AND REMOVE HEATER AND ALL ASSOCIATED CIRCUITRY AND BREAKER.



SECOND FLOOR ELECTRICAL PLAN - FLOOR PLAN
SCALE: 1/4" = 1'-0"



SECOND FLOOR ELECTRICAL PLAN - DEMO
SCALE: 1/4" = 1'-0"



No.	Date	Purpose of Document Issue

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Sheet No. **E200**