

RENOVATION TO CENTRAL BATHS SANSBURY CARE CENTER

2625 BARDSTOWN ROAD – ST. CATHERINE, KENTUCKY 40061

PHASE 2

BUILDING STATISTICS

USE GROUP:	I-2 (INSTITUTIONAL - NURSING HOME)
CONSTRUCTION TYPE:	2A, NONCOMBUSTIBLE / PROTECTED
ALLOWABLE HEIGHT:	THREE (3) STORY
ALLOWABLE AREA:	45,000 S.F. / FLOOR
ACTUAL AREA:	11,145 S.F.
MAXIMUM ALLOW. FIRE AREA:	38,000 S.F. ~ OK
MAXIMUM ALLOW. SMOKE AREA:	22,500 S.F. ~ OK
RENOVATION AREA (TOTAL):	1,314 S.F.
RENOVATION AREA (PHASE 1):	840 S.F.
RENOVATION AREA (PHASE 2):	474 S.F.

APPLICABLE CODES

2018 KENTUCKY BUILDING CODE (2015
IBC WITH KENTUCKY AMENDMENTS)

2015 INTERNATIONAL EXISTING
BUILDING CODE

2015 INTERNATIONAL MECHANICAL
CODE

2012 NFPA 54 NATIONAL FUEL GAS
CODE

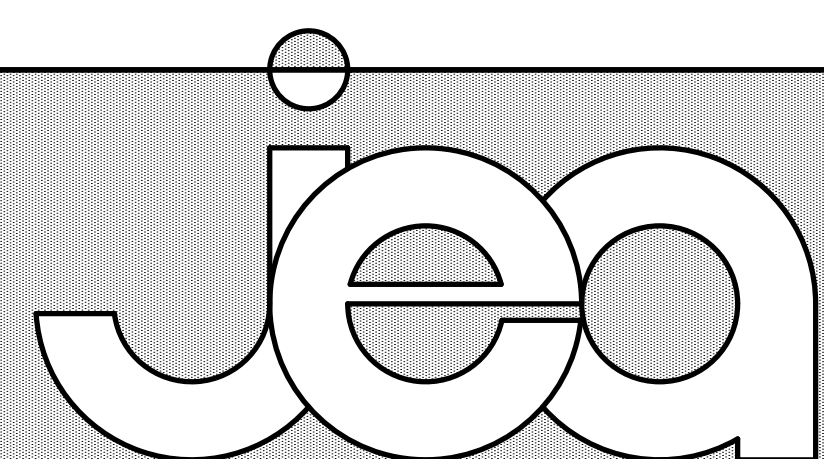
2012 INTERNATIONAL ENERGY
CONSERVATION CODE (FOR USE WITH
COMMERCIAL BUILDINGS ONLY)

KENTUCKY STATE PLUMBING LAW,
REGULATIONS & CODE (815 KAR
CHAPTER 20)

STATE BOILER REGULATION (KRS 236,
815 KAR 15)

2017 NFPA 70- NATIONAL ELECTRICAL
CODE

902 KAR 20: 310 (CABINET FOR HEALTH
& FAMILY SERVICES)



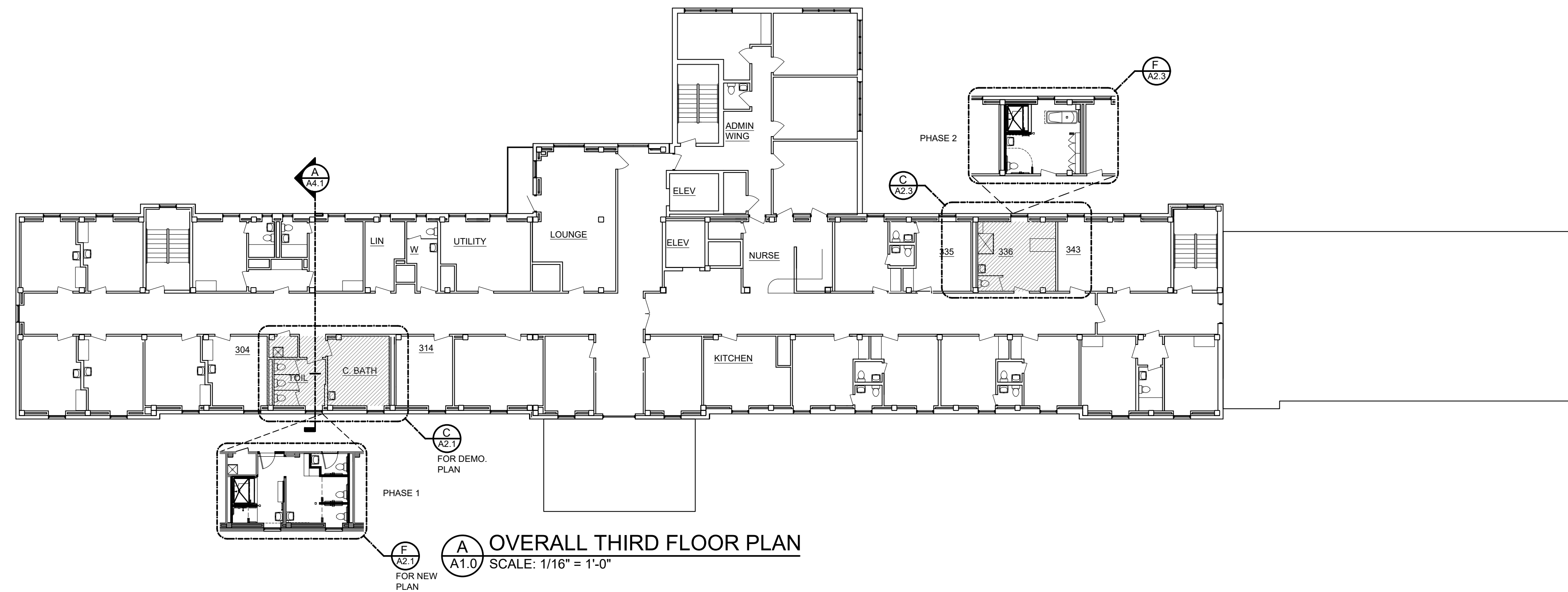
johnson • early • architects
546 east main street, suite 101 • lexington, kentucky 40509
phone: 859-259-1515 • fax: 859-231-5060 • e-mail: earlyjb@jeaarchitects.net

DRAWING INDEX

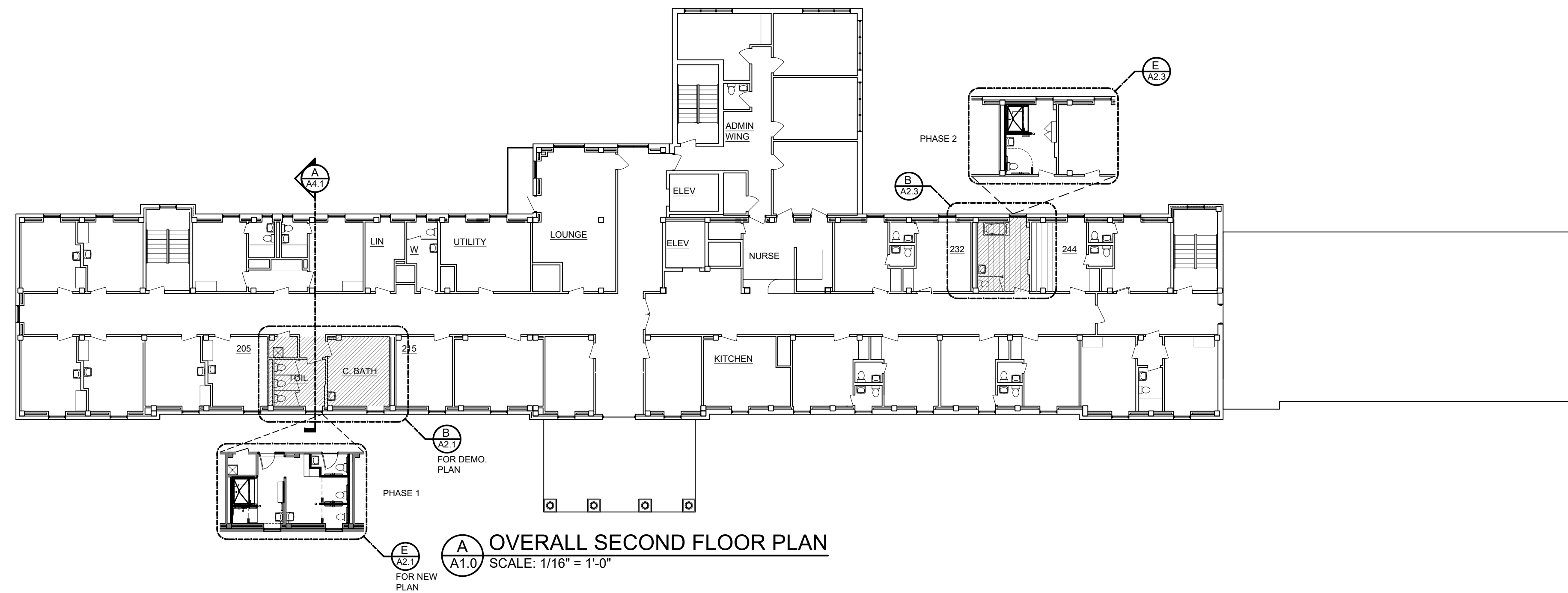
COVER SHEET

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M5.1	MECHANICAL SCHEDULE AND DETAILS
E0.1	ELECTRICAL LEGEND AND NOTES
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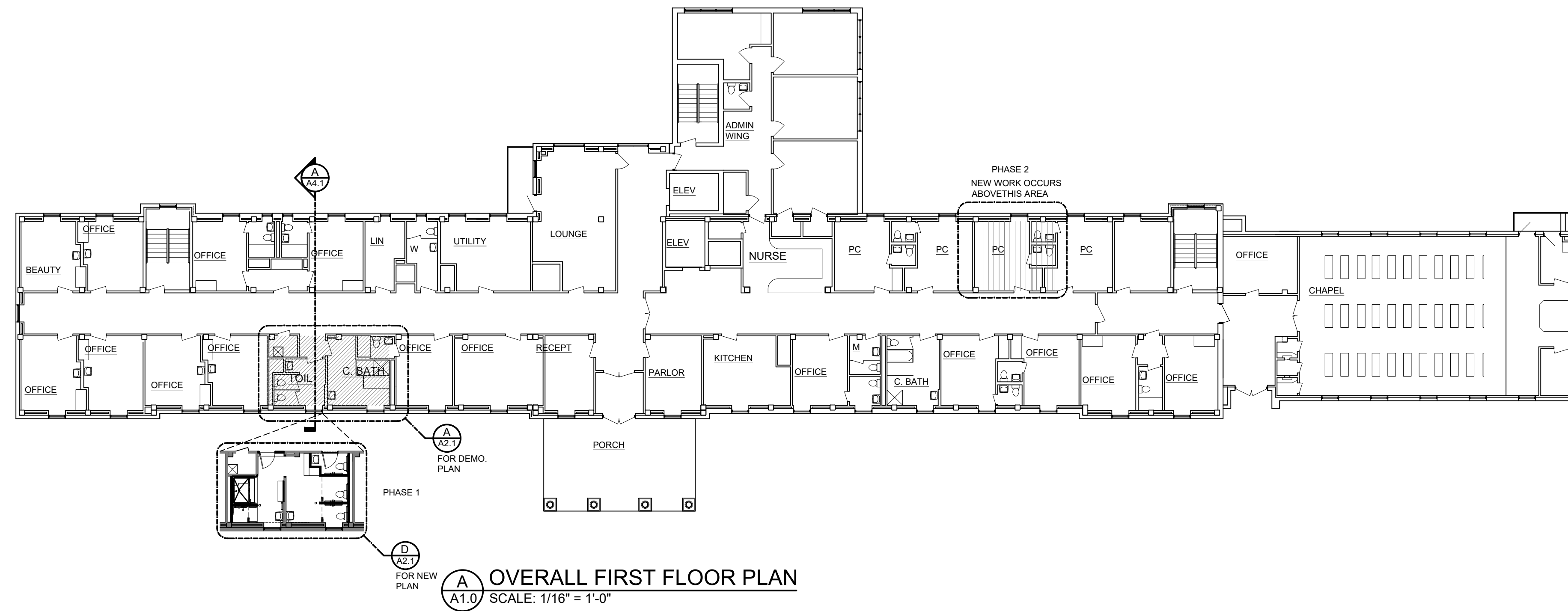




OVERALL THIRD FLOOR PLAN
 SCALE: 1/16" = 1'-0"

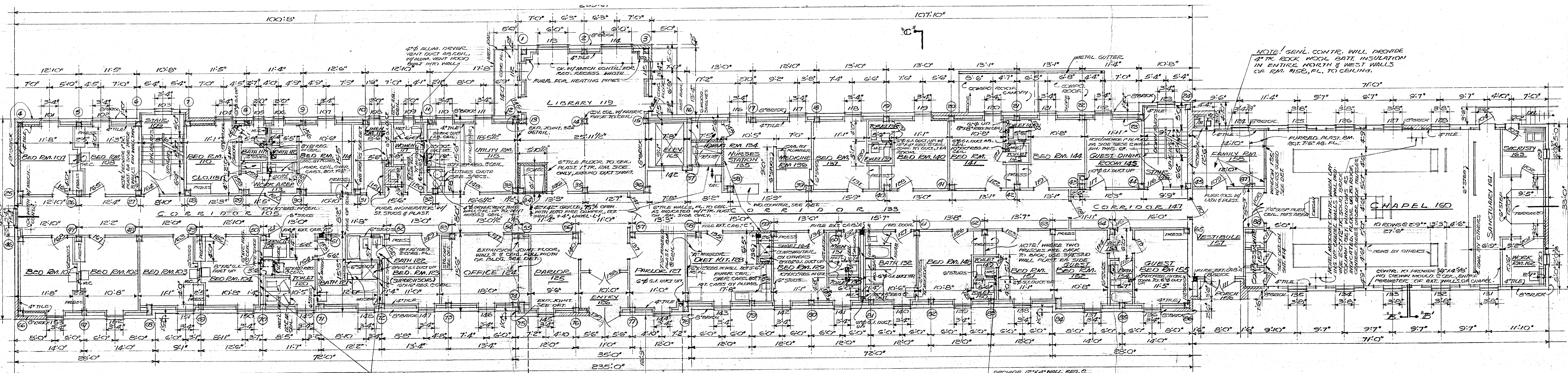


OVERALL SECOND FLOOR PLAN
 SCALE: 1/16" = 1'-0"

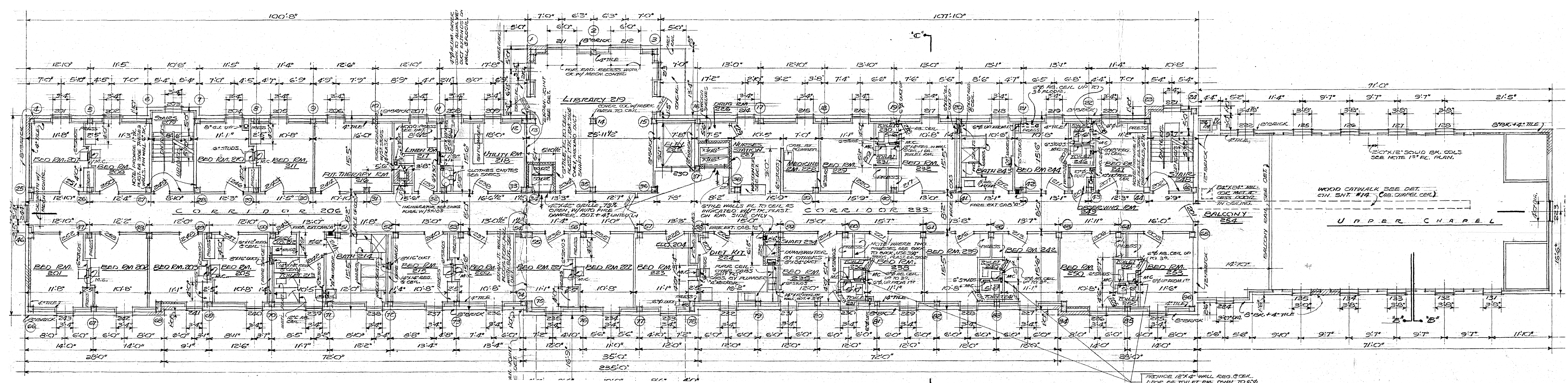
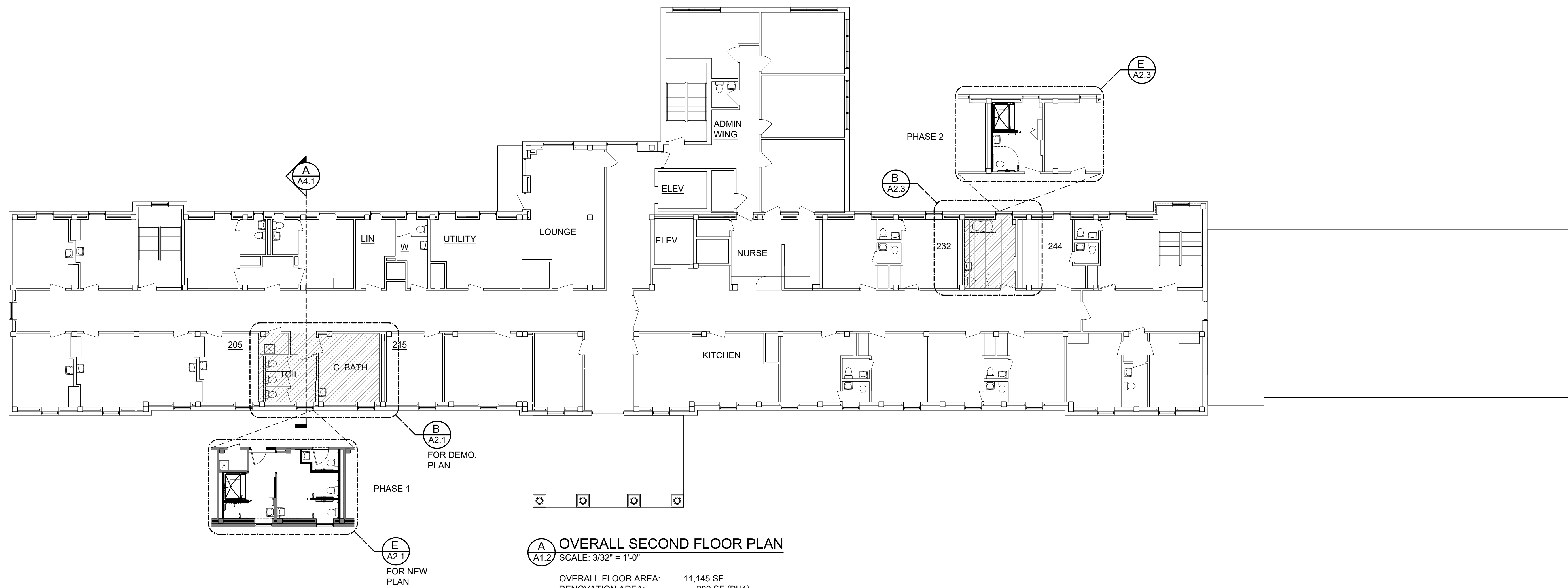



OVERALL FIRST FLOOR PLAN
 SCALE: 1/16" = 1'-0"

	RENOVATION TO CENTRAL BATHS SANSBURY CARE CENTER ST. CATHERINE, KENTUCKY				
	johnson . early . architects 546 east main street, suite 101 • lexington, kentucky 40508 phone: 859-259-1515 • e-mail: earlyjb@jeaarchitects.net				
	OVERALL KEY FLOOR PLANS				
	DATE DECEMBER 31, 2024	DRAWN BY JBE	CHECKED JBE	REVISIONS JULY 13, 2025	
				SHEET NO. A1.0	



	RENOVATION TO CENTRAL BATHS SANSBURY CARE CENTER ST. CATHERINE, KENTUCKY		
	johnson . early . architects 546 east main street, suite 101 • lexington, kentucky 40508 phone: 859-259-1515 • e-mail: earlyjb@jearchitects.net		
			
	SHEET NO. A1.1		
OVERALL FIRST FLOOR PLAN			
DATE DECEMBER 31, 2024	DRAWN BY JBE	CHECKED JBE	REVISIONS N/A 12.31.2025






JOSEPH B. EARLY
REGISTERED
ARCHITECT
KENTUCKY

RENOVATION TO CENTRAL BATHS
SANSBURY CARE CENTER
 ST. CATHERINE, KENTUCKY

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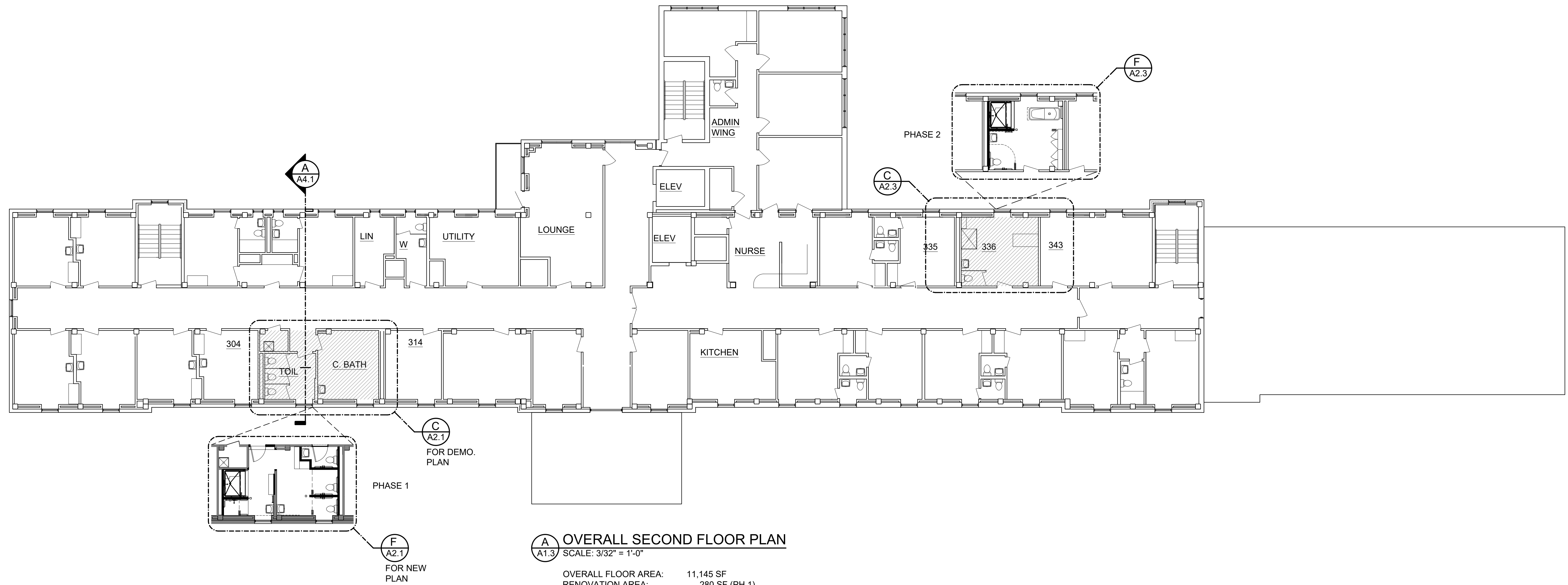
OVERALL SECOND FLOOR PLAN

DATE: DECEMBER 31, 2024
 DRAWN BY: JBE
 CHECKED BY: JBE
 REVISIONS: JULY 13, 2025



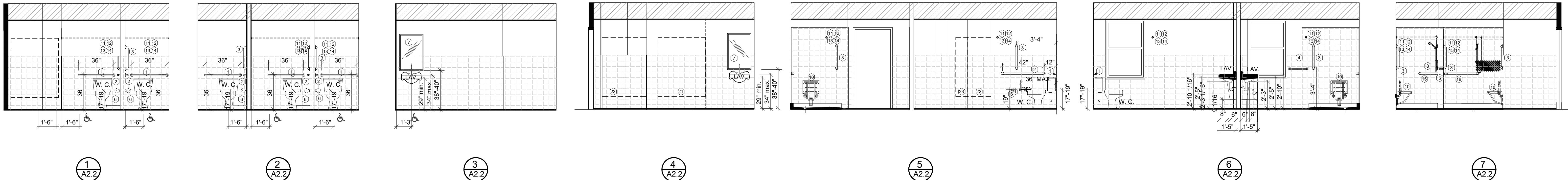
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SHEET NO.
A1.2

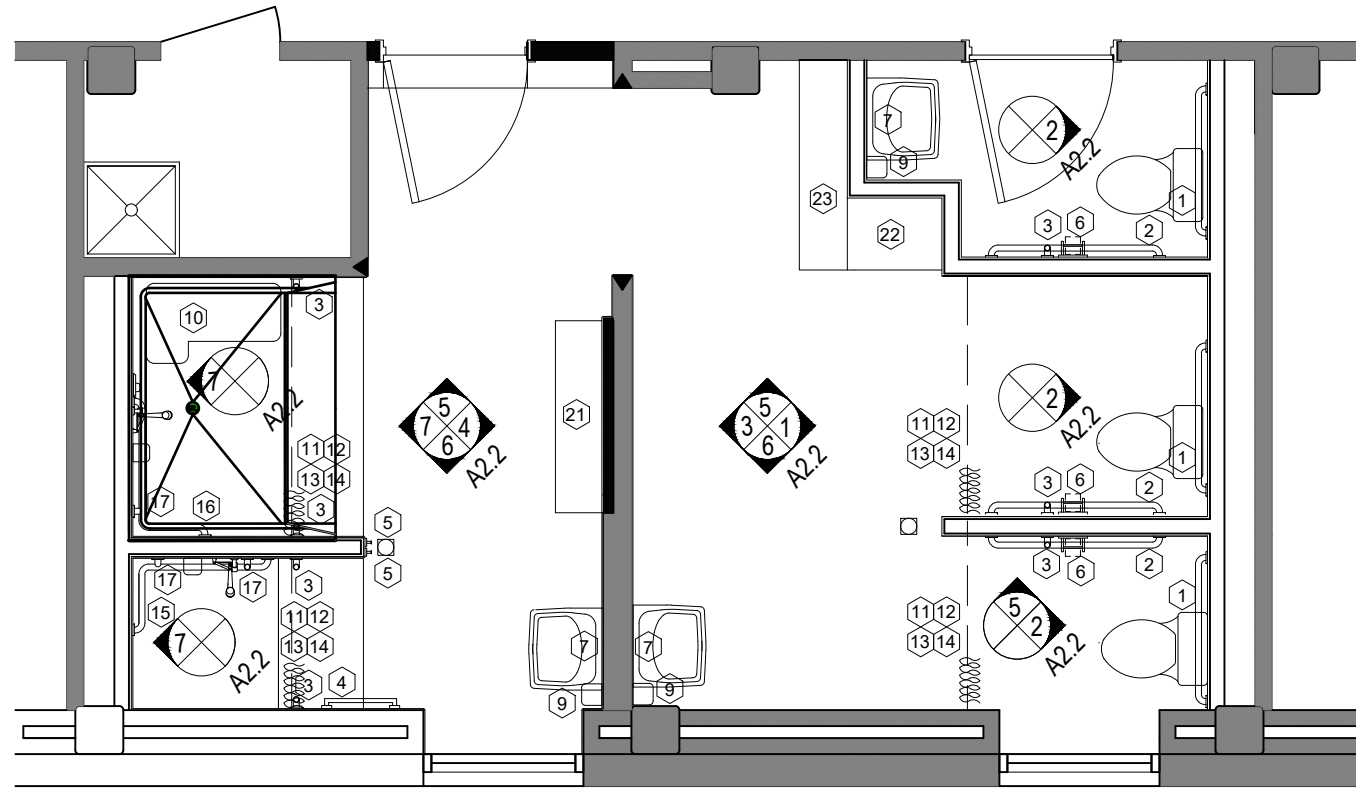


ORIGINAL THIRD FLOOR PLAN
 SCALE: 3/32" = 1'-0"
 OVERALL FLOOR AREA: 11,145 SF
 FOR REFERENCE ONLY

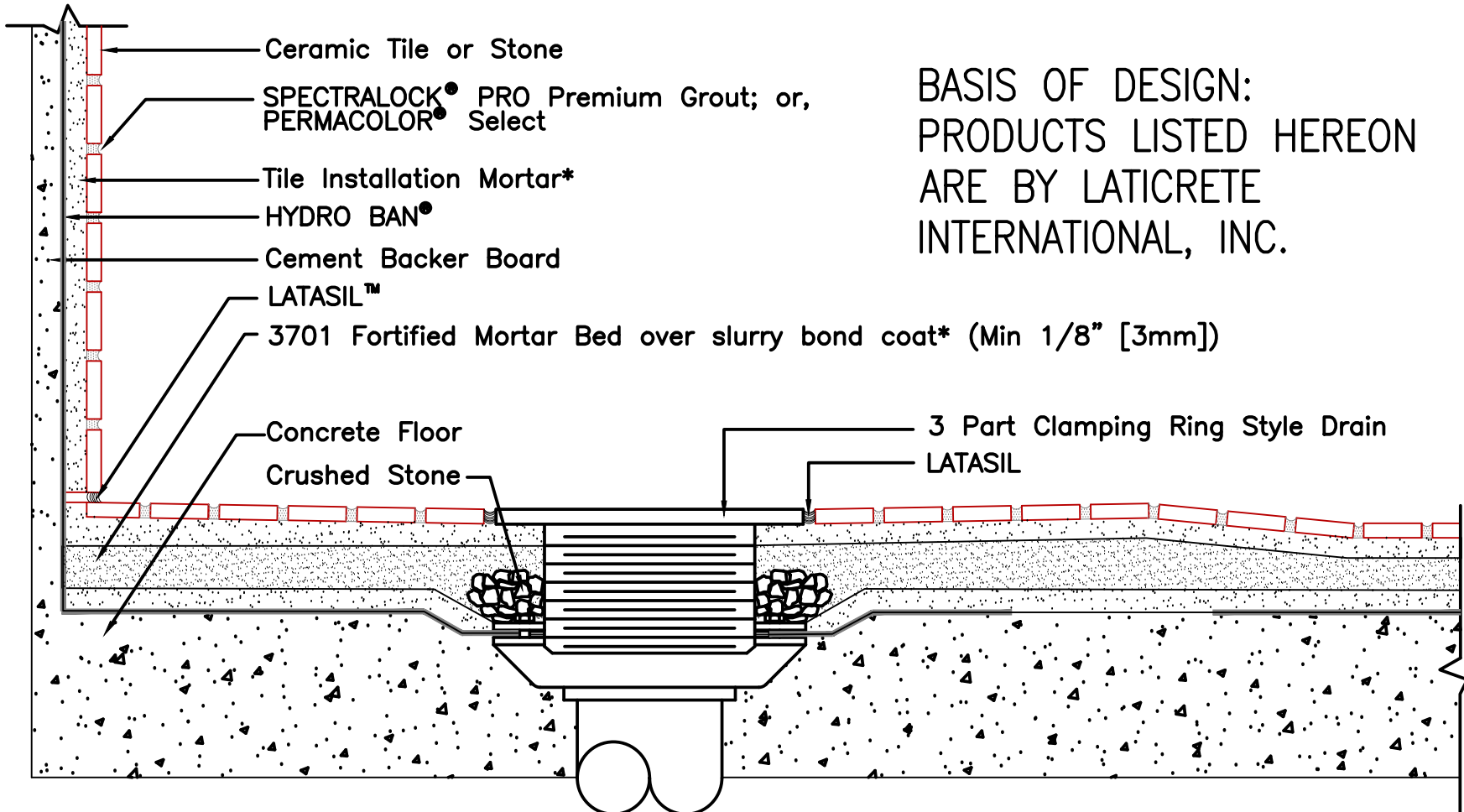
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	OVERALL THIRD FLOOR PLAN			
	DATE DECEMBER 31, 2024	DRAWN BY JBE	CHECKED BY JBE	REVISIONS JULY 13, 2025
				SHEET NO. A1.3



INTERIOR ELEVATIONS AT TOILET & SHOWER ROOMS
SCALE: 1/4" = 1'-0"

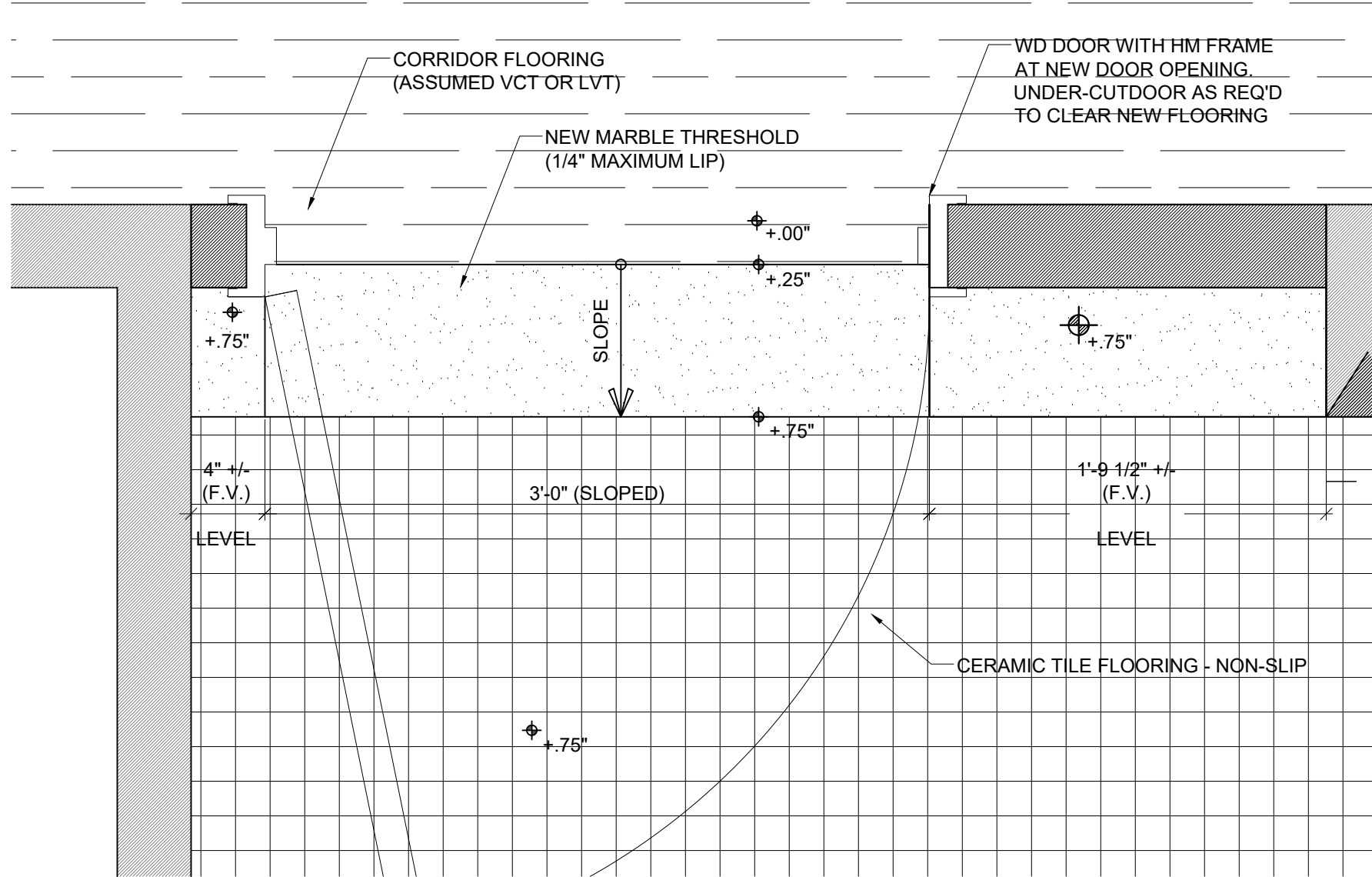


KEY PLAN FOR ELEVATIONS & ACCESSORIES
SCALE: 1/4" = 1'-0"



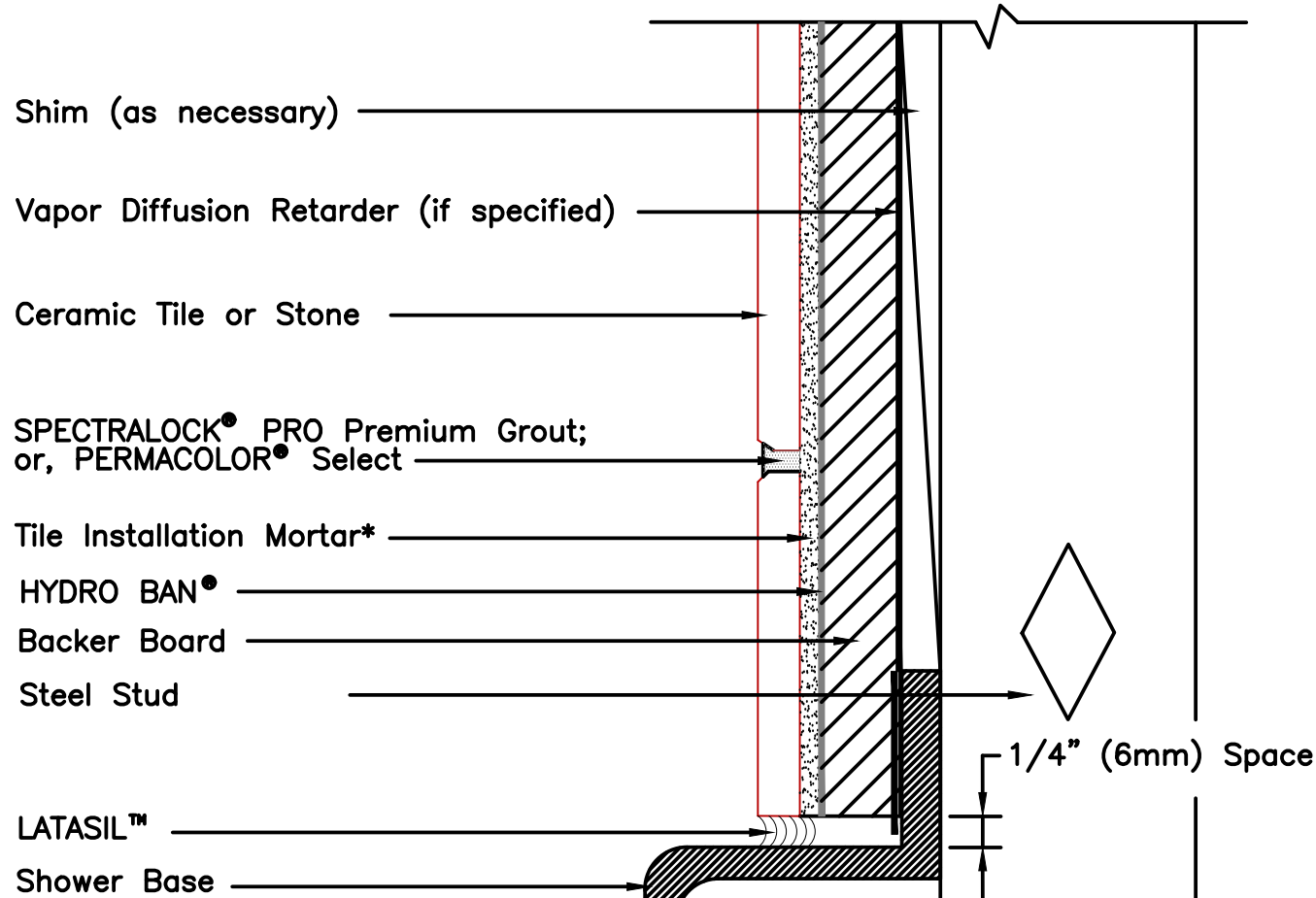
* Slurry bond coat and tile installation mortar to be either 254 Platinum, 257 TITANIUM or MULTIMAX LITE.

CERAMIC TILE DETAIL AT WALL BASE & FLOOR DRAIN
NOT TO SCALE



THRESHOLD PLAN AT NEW ENTRANCE TO CENTRAL BATH AREA
SCALE: 1 1/2" = 1'-0"

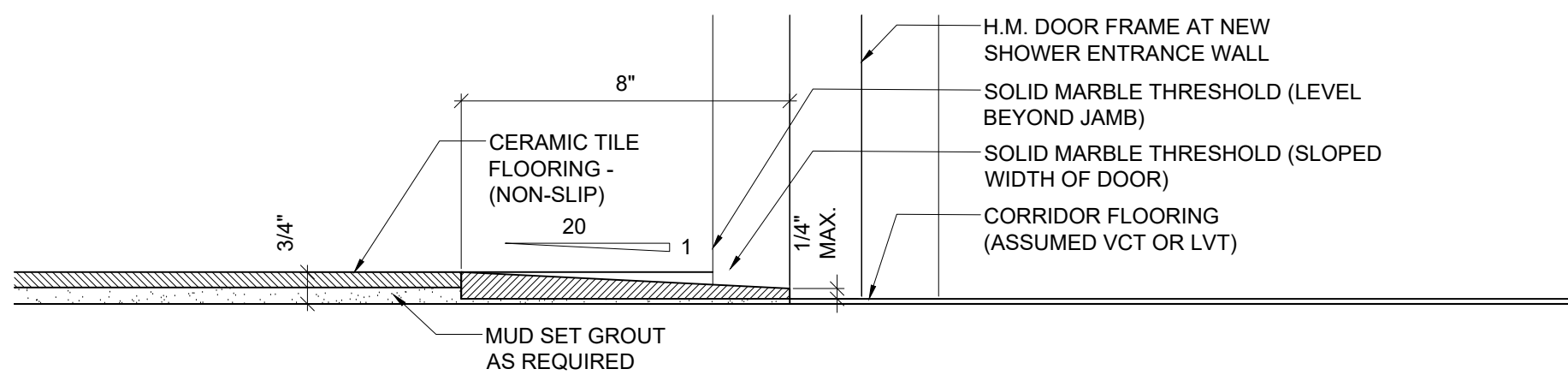
TOILET ACCESSORIES SCHEDULE			
ITEM NO	MANUF & MODEL NO.	DESCRIPTION	MOUNTING HEIGHT
1	ASI #3100 TYPE "A"-01	36" GRAB BAR, 1-1/4" Ø, PEENED NON-SLIP SATIN FINISH FLANGE, 1-1/2" WALL CLEARANCE	36" A.F.F.
2	ASI #3100 TYPE "A"-01	42" GRAB BAR, 1-1/4" Ø, PEENED NON-SLIP SATIN FINISH FLANGE, 1-1/2" WALL CLEARANCE	36" A.F.F.
3	ASI #3100 TYPE "A"-01	24" GRAB BAR, 1-1/4" Ø, PEENED NON-SLIP SATIN FINISH FLANGE, 1-1/2" WALL CLEARANCE	40" A.F.F.
4	ASI #18100	MOUNTED VERTICAL ABOVE HORIZONTAL GRAB BAR	40" A.F.F.
5	ASI #7360-B	18" STAINLESS STEEL SQUARE TOWEL BAR, BRIGHT FINISH	36" A.F.F.
6	ASI #7340-B	SINGLE ROBE HOOK, STAINLESS STEEL, BRIGHT FINISH	48" A.F.F.
7	ASI #7305	TOILET PAPER HOLDER, ONE ROLL, STAINLESS STEEL, BRIGHT FINISH	19" A.F.F.
8	ASI #0620-A	MIRROR, 18" x 30", STAINLESS STEEL FRAMED	40" A.F.F.
9	BY OWNER	PAPER TOWEL DISPENSER	40" A.F.F.
10	BY OWNER	SOAP DISPENSER	40" A.F.F.
11	ASI #213	RETRACTABLE SHOWER STALL SEAT, STAINLESS STEEL FRAME, 1/2" SOLID PHENOLIC SLATS	18" A.F.F.
12	ASI #1206	SHOWER ROD, 1" DIA x 60", STAINLESS STEEL, SATIN FINISH	76" A.F.F.
13	ASI #1209	SHOWER ROD FLANGES, STAINLESS STEEL, SATIN FINISH	
14	ASI #1200	8 OZ. WHITE DUCK SHOWER CURTAIN, 72" x 72"	
15	ASI #1200 SH	SHOWER CURTAIN HOOKS, CHROME FINISH STEEL	
16	ASI #213 TYPE #60	CORNER GRAB BAR, 30" x 18" 1-1/4" Ø, PEENED NON-SLIP SATIN FINISH FLANGE, 1-1/2" WALL CLEARANCE	40" A.F.F.
17	ASI #3100 TYPE #52	CORNER GRAB BAR, 30" x 54" 1-1/4" Ø, PEENED NON-SLIP SATIN FINISH FLANGE, 1-1/2" WALL CLEARANCE	36" A.F.F.
18	ASI #3100 TYPE "A"-01	24" GRAB BAR, 1-1/4" Ø, PEENED NON-SLIP SATIN FINISH FLANGE, 1-1/2" WALL CLEARANCE	40" A.F.F.
19	ASI #3100 #6213	MOUNTED VERTICAL ABOVE HORIZONTAL GRAB BAR	40" A.F.F.
20		SHELF WITH MOP & BROOM HOLDER & RAG HOOKS, S.S., SATIN FINISH	54" A.F.F.
21		STORAGE UNIT A: 12" D X 48" W X 60" H	12" A.F.F.
22		STORAGE UNIT B: 22" D X 23" W X 60" H	12" A.F.F.
23		STORAGE UNIT C: 12" D X 52" W X 60" H	12" A.F.F.
24			



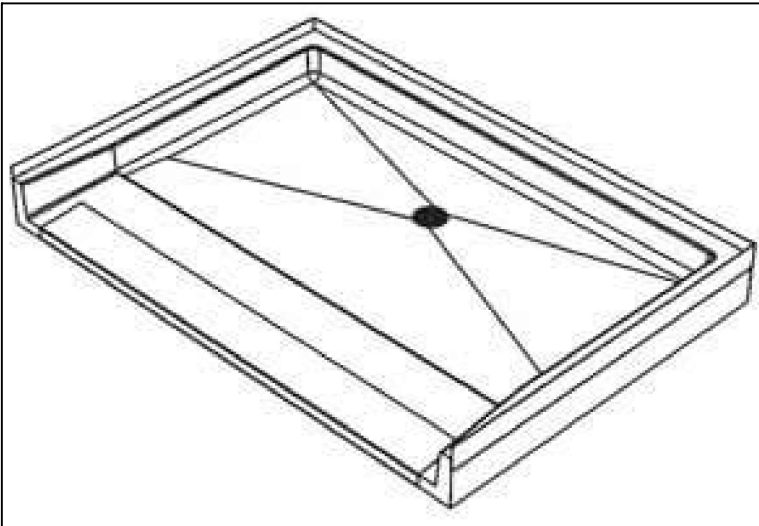
Basis of Design:
Products listed hereon
are by Laticrete
International, Inc.

NOTE: * Tile installation mortar to be either 254 Platinum, 257 TITANIUM or MULTIMAX LITE.
Vapor diffusion retarder use, type and location to be determined by project design professional.
May require leaving weeps open in sealant.

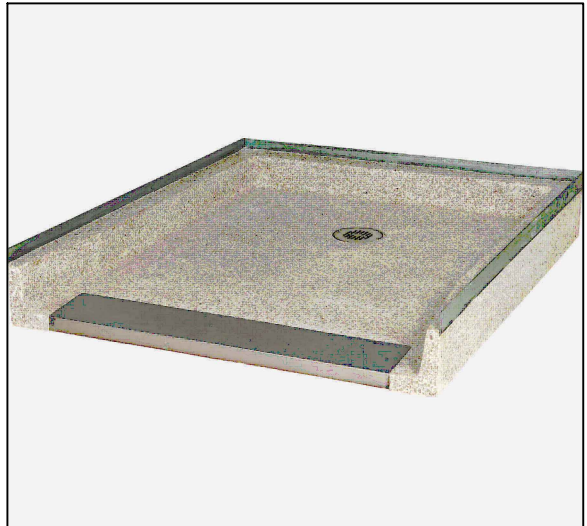
CERAMIC TILE DETAIL AT SHOWER BASE
NOT TO SCALE



THRESHOLD SECTION AT NEW ENTRANCE TO CENTRAL BATH AREA
SCALE: 3" = 1'-0"

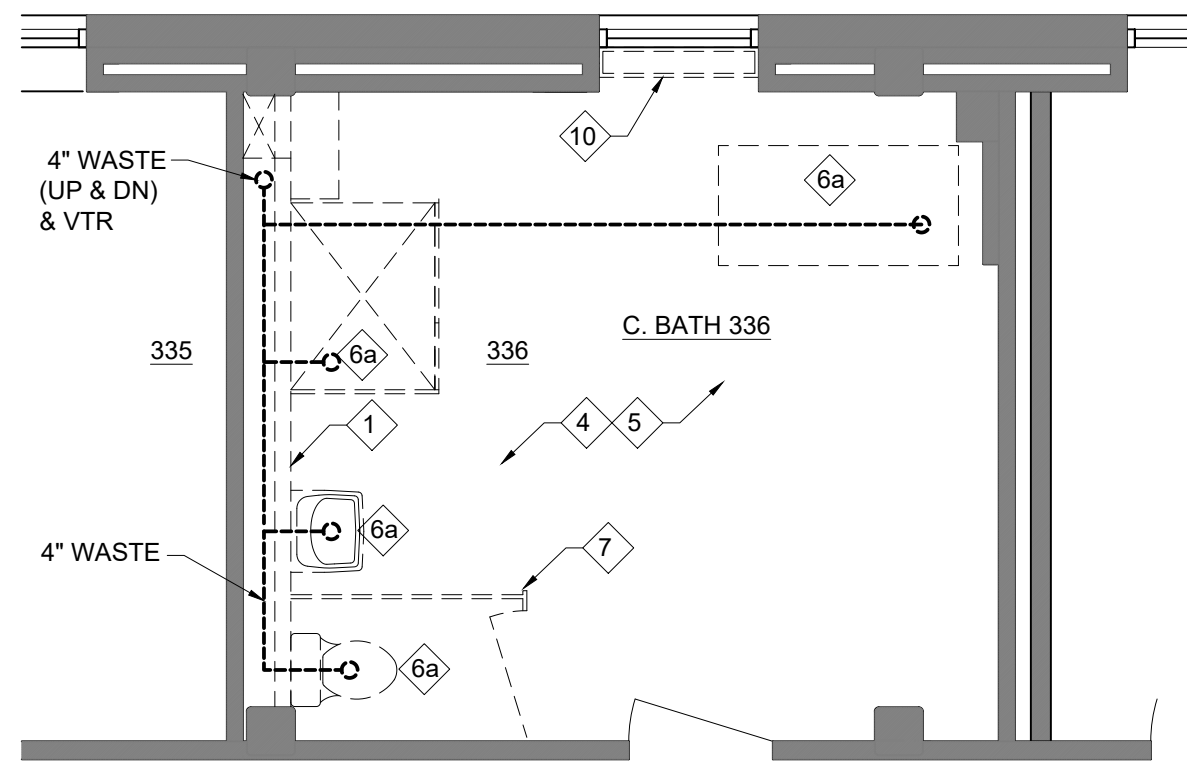


ROLL-IN (36"x60")

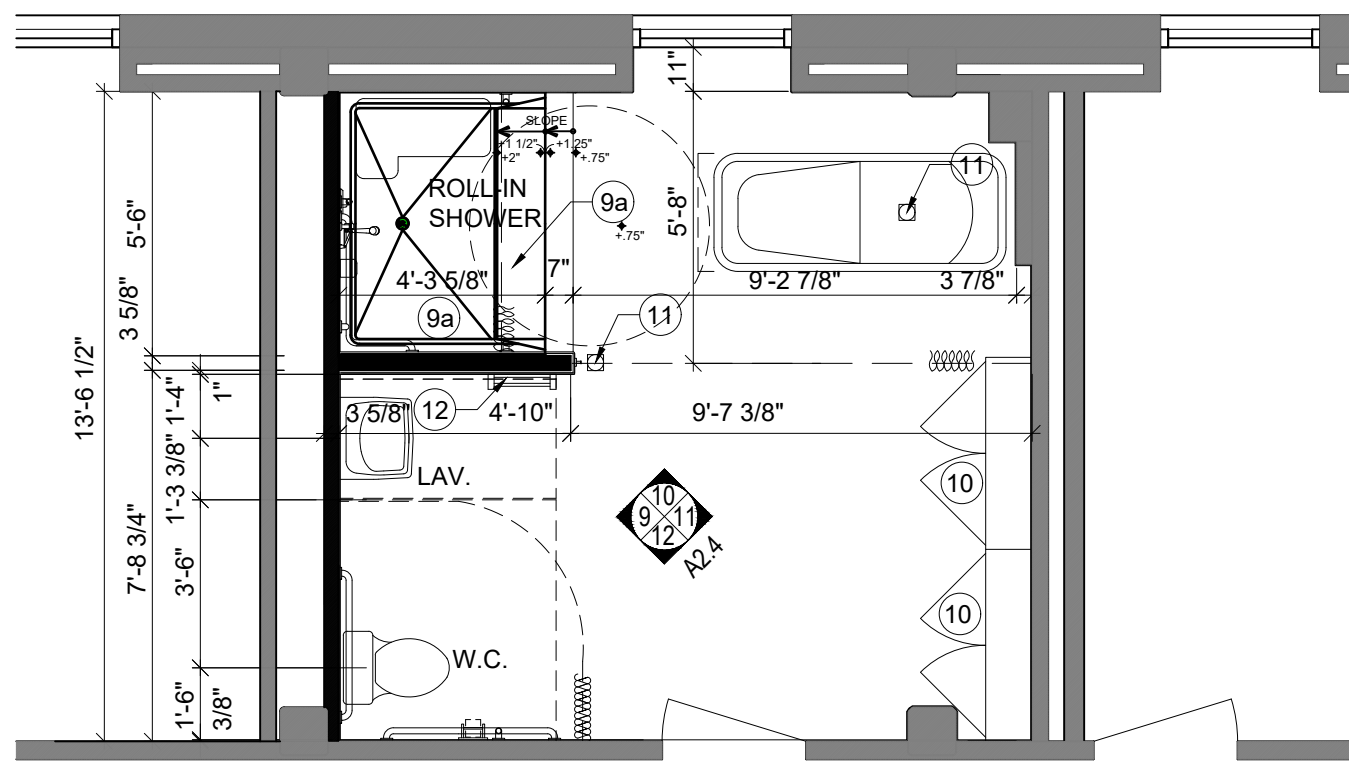


TRANSFER (36"x36")

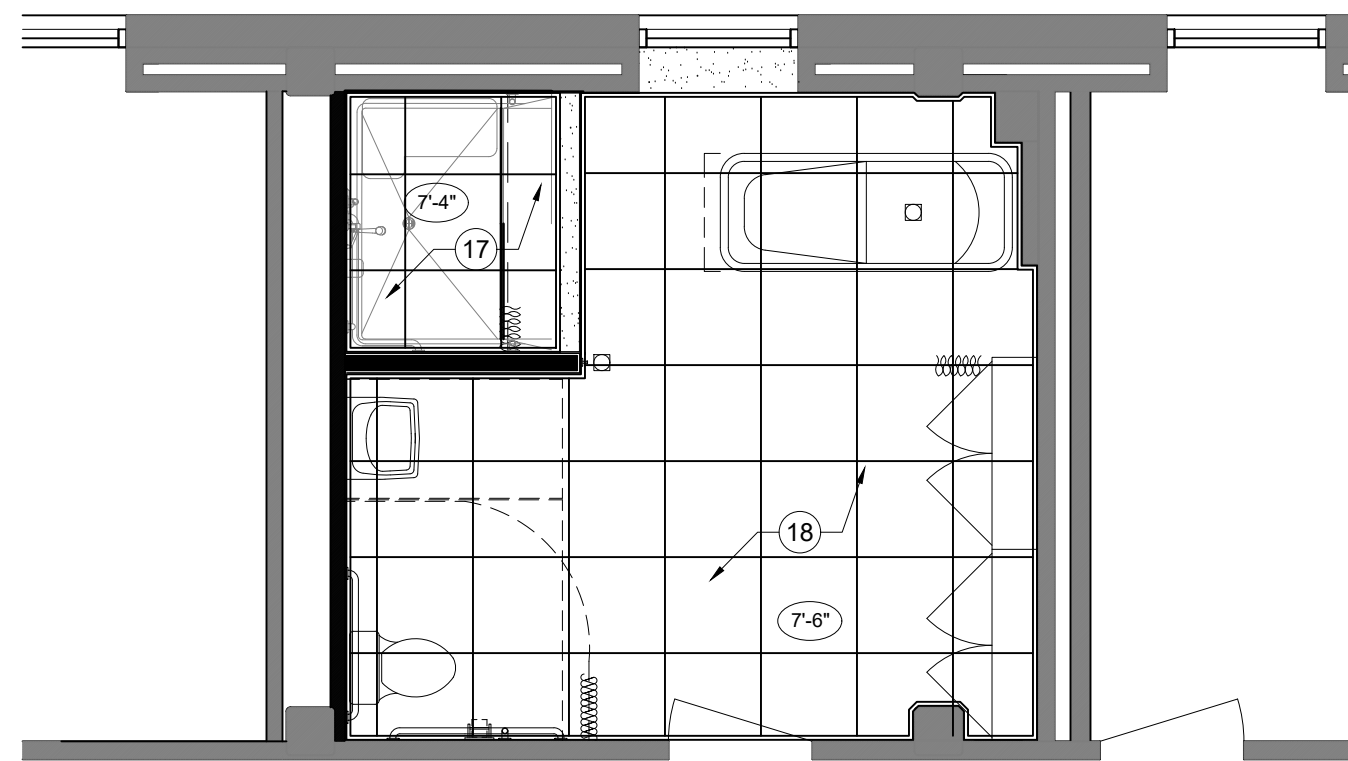
ISOMETRIC VIEW OF SHOWER BASES
NOT TO SCALE



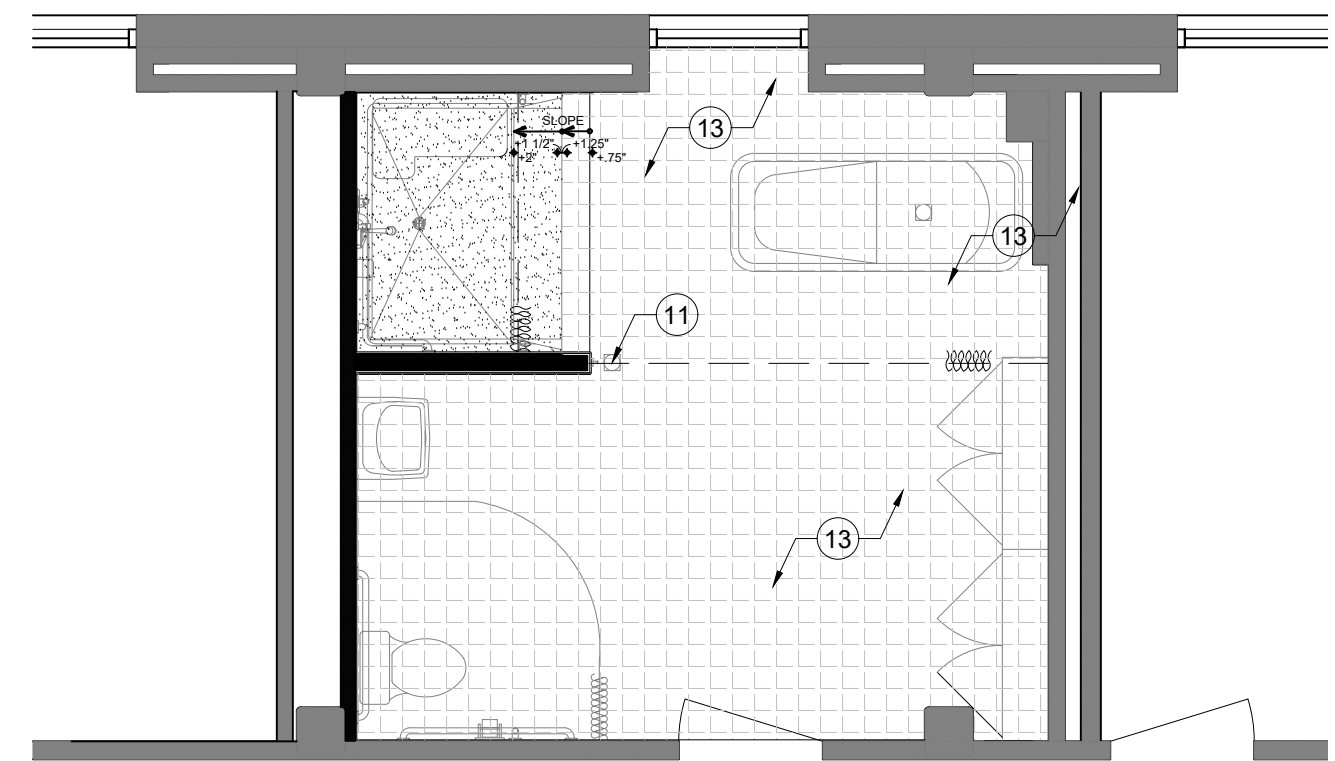
C ENLARGED DEMO PLAN - ROOM 336
A2.3 SCALE: 1/4" = 1'-0"



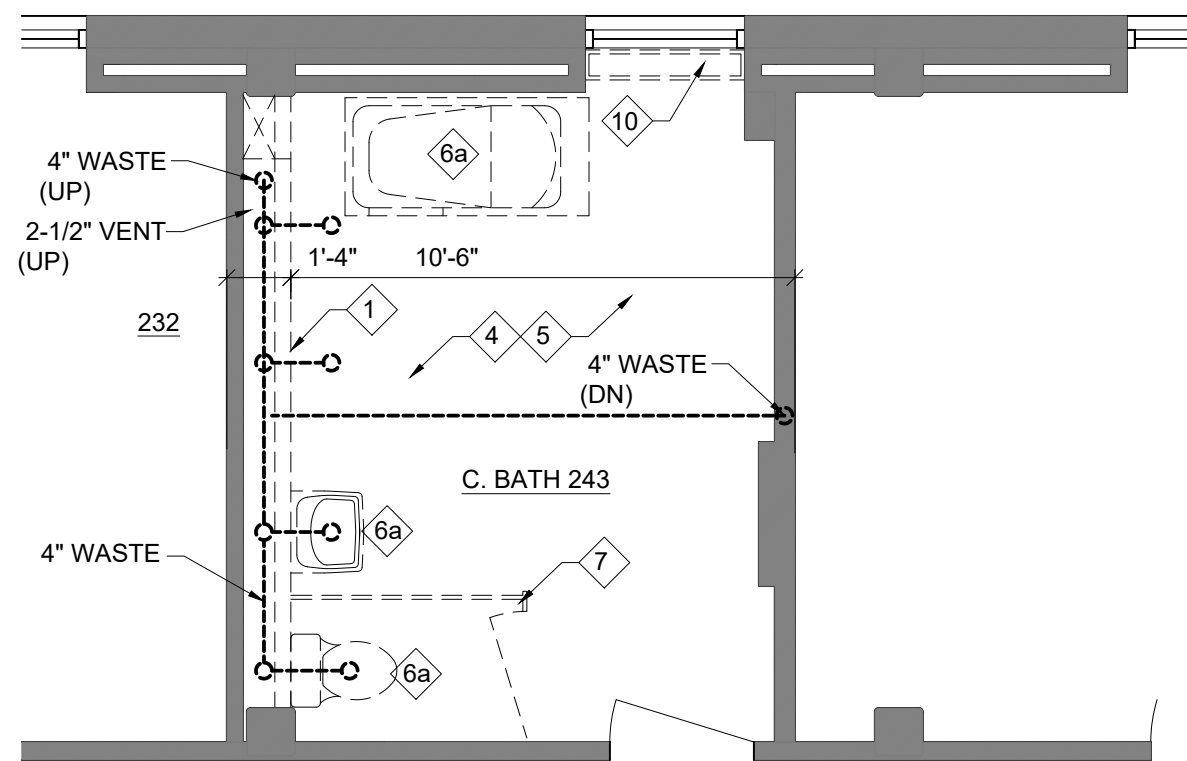
F ENLARGED NEW PLAN - ROOMS 336
A2.3 SCALE: 1/4" = 1'-0"



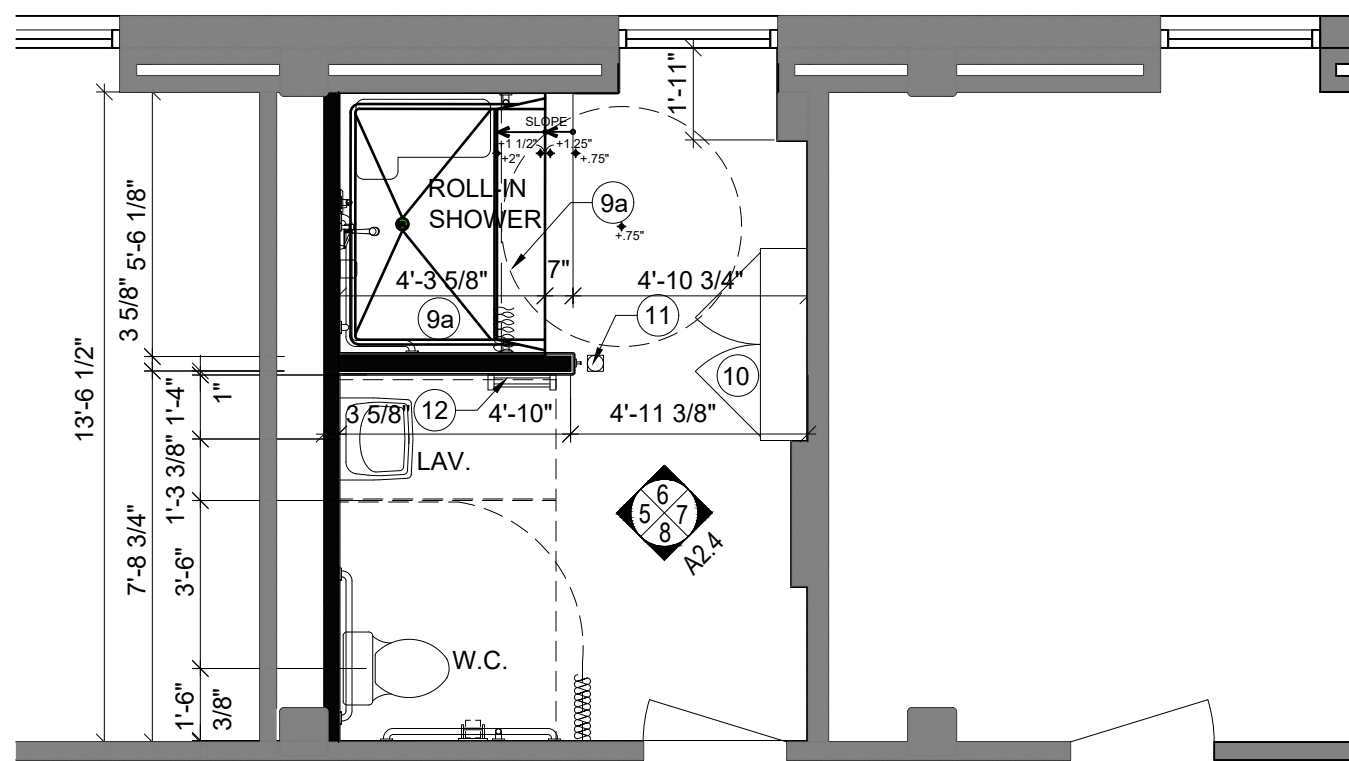
K REFLECTED CEILING PLAN - NEW WORK
A2.3 SCALE: 1/4" = 1'-0"



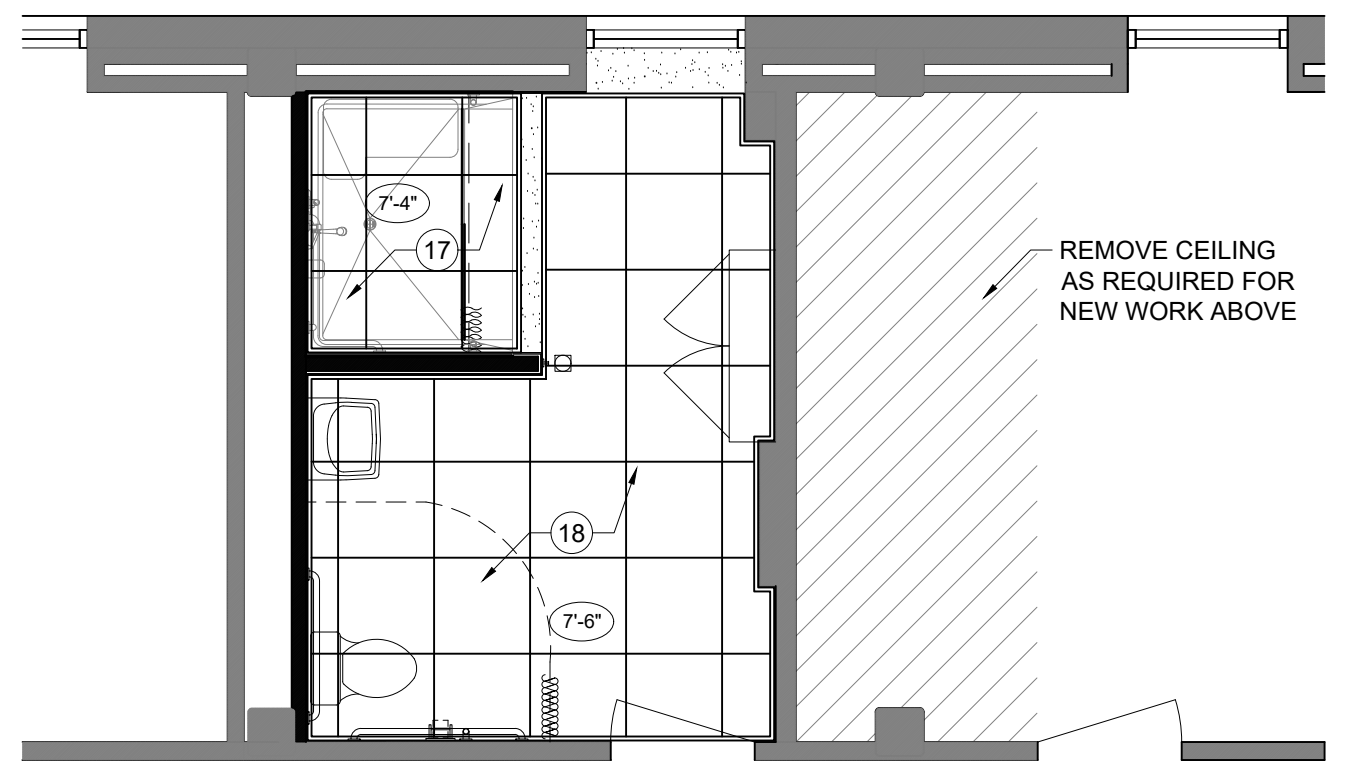
N FLOOR FINISHES PLAN - NEW WORK
A2.3 SCALE: 1/4" = 1'-0"



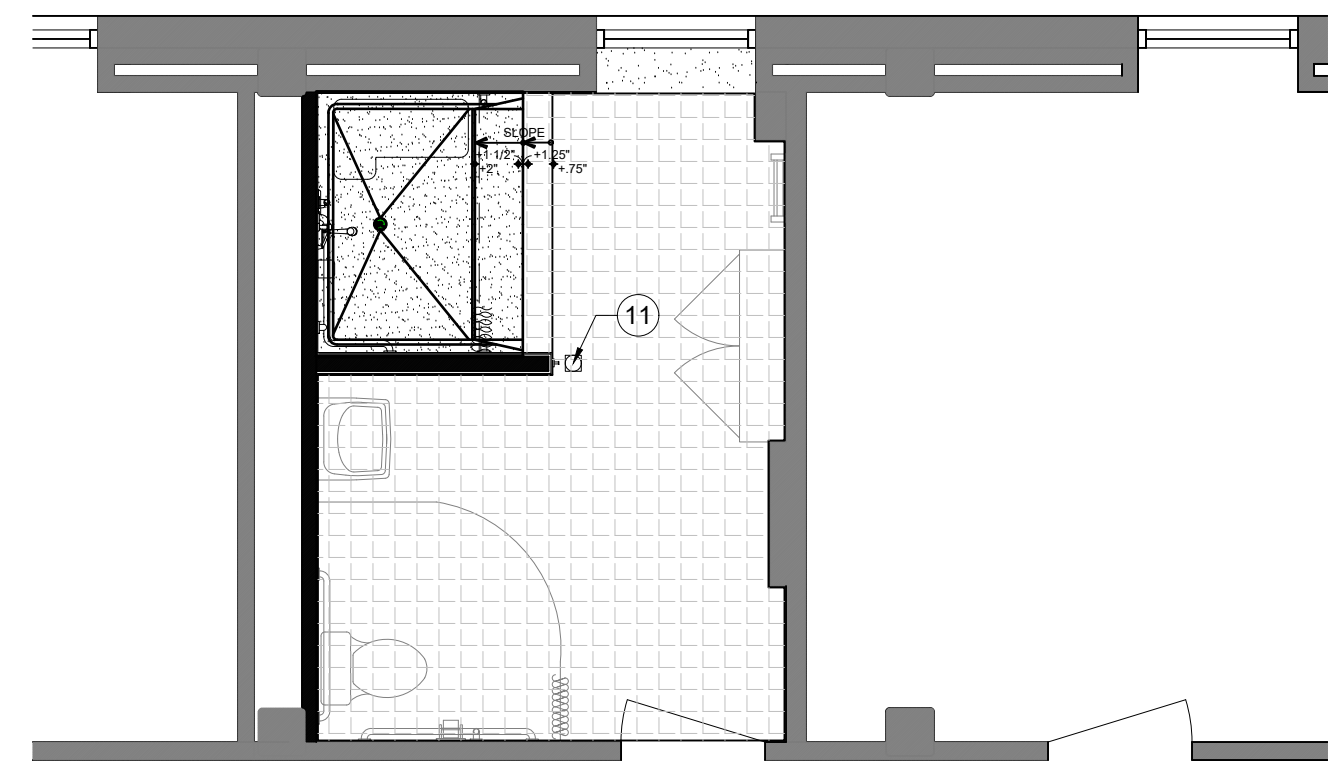
B ENLARGED DEMO PLAN - ROOM 243
A2.3 SCALE: 1/4" = 1'-0"



E ENLARGED NEW PLAN - ROOM 243
A2.3 SCALE: 1/4" = 1'-0"



J REFLECTED CEILING PLAN - NEW WORK
A2.3 SCALE: 1/4" = 1'-0"



M FLOOR FINISHES PLAN - NEW WORK
A2.3 SCALE: 1/4" = 1'-0"

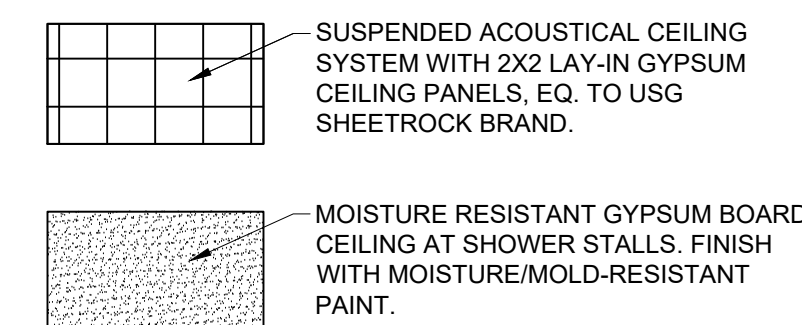
DEMOLITION - PLAN NOTES

1. REMOVE EXISTING WALL.
2. REMOVE PORTION OF WALL AS REQ'D FOR NEW OPENING.
3. a. REMOVE DOOR & FRAME.
b. REMOVE DOOR ONLY
4. REMOVE CERAMIC FLOOR AND WALL TILE AND WAINSCOT
5. REMOVE CEILING, INCLUDING GRILLES, REGISTERS, DIFFUSERS, AND LIGHT FIXTURES. SPRINKLER HEADS TO REMAIN, BUT MAY REQUIRE RELOCATION PER THE NEW LAYOUT
6. PLUMBING FIXTURE TO BE REMOVED.
a. EXISTING PLUMBING TO BE CAPPED.
b. EXISTING PLUMBING TO REMAIN FOR NEW FIXTURES.
7. REMOVE METAL PARTITIONS AND DOORS
8. REMOVE MARBLE PARTITIONS
9. REMOVE WOOD SEATS
10. REMOVE STEAM HEAT UNIT FROM WINDOW ALCOVE
11. REMOVE ELECTRICAL PANEL.

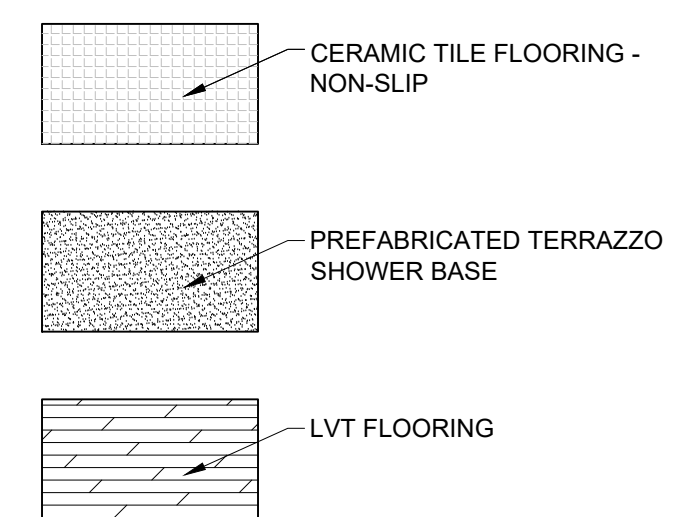
NEW WORK - PLAN NOTES

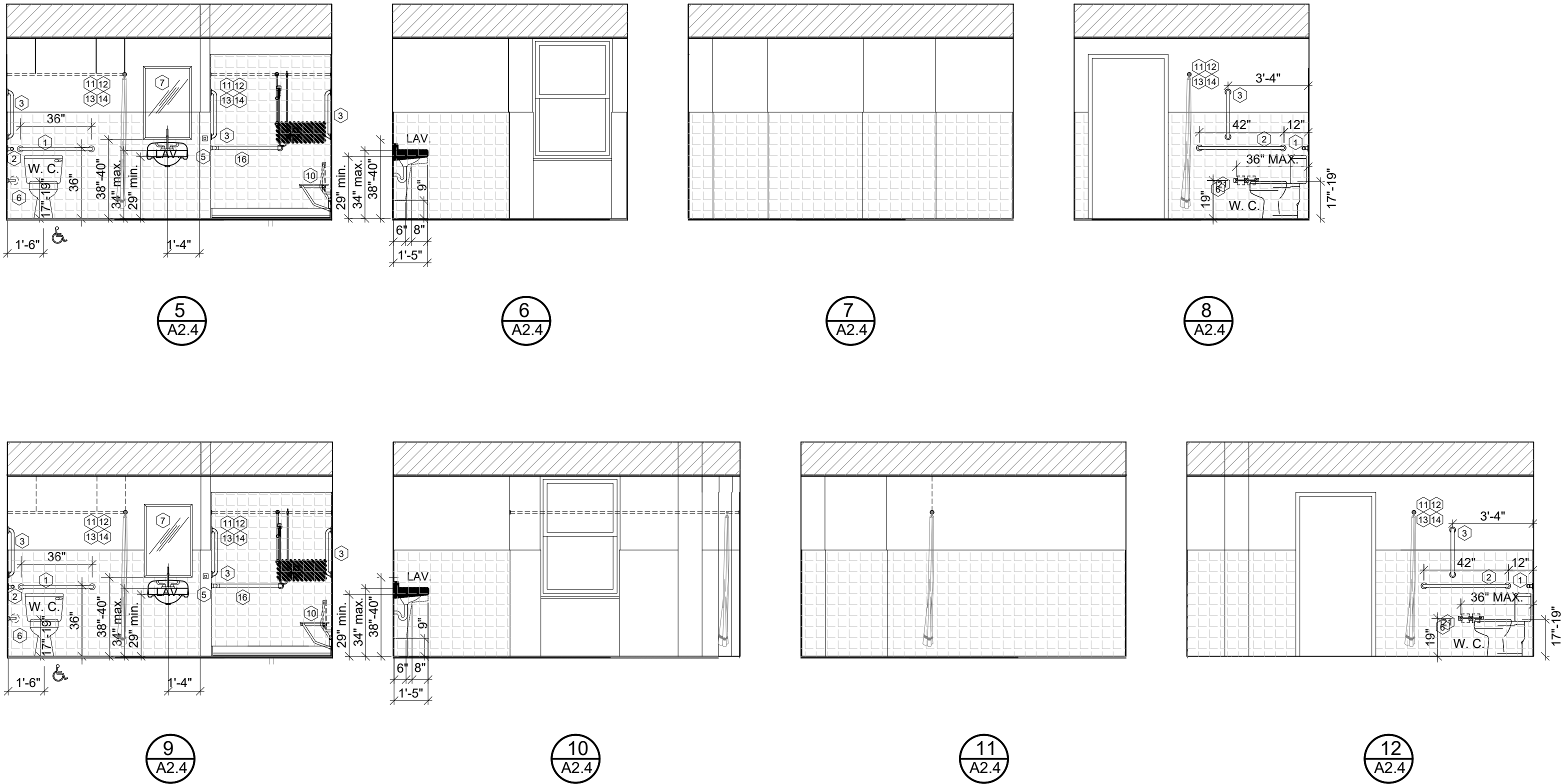
1. NEW WALL - (3-5/8" MTL. STUDS WITH 5/8" GYP. BD. (MOISTURE-RESISTANT) EACH SIDE (PAINT). ALL PARTITIONS TO HAVE 3-1/2" SOUND ATTENUATION BATT INSULATION IN CAVITY). REFER TO ELEVATIONS FOR REQUIRED FINISHES (PAINT OR CERAMIC TILE. AT CERAMIC TILE WALLS PROVIDE CEMENT BOARD IN LIEU OF GYPSUM BOARD.
2. ALL EXISTING GYPSUM BOARD WHICH IS TO REMAIN AND EXPOSED TO VIEW SHALL BE REPAIRED AND PAINTED.
3. ALIGN NEW WALL WITH:
a. WALL;
b. WINDOW JAMB;
c. CENTER OF WINDOW MULLION.
4. REPAIR WALL AS REQUIRED AT REMOVED ELECTRICAL PANEL.
5. REPAIR WALL AT REMOVED WALL.
6. NEW INFILL AT EXISTING OPENING. MATCH ADJACENT WALL CONSTRUCTION.
7. WD DOOR WITH HM FRAME AT NEW DOOR OPENING
8. NEW MARBLE THRESHOLD.
9. PREFABRICATED TERRAZZO SHOWER BASE EQ. TO ACORN ENGINEERING CO.
a. SBADAR-6036-3F;
b. SBADAR-36-3F.
CONTRACTOR MAY SUBSTITUTE BASIN WITH TRADITIONAL MUD-SET SHOWER INSTALLATION. WATERPROOFING REQ'D.
10. NEW WALL HUNG STORAGE CABINET/SHELVING BY OWNER. DESIGN T.B.D. BY OWNER; INSTALL BY G.C.
11. NEW FLOOR DRAIN
12. NEW LVT FLOORING AND VINYL WALL BASE
13. CERAMIC TILE FLOORING - NON-SLIP
14. CERAMIC TILE WALLS FROM FLOOR TO TOP OF DOOR FRAME (7'-0" +/-). AT SHOWER STALLS CERAMIC TILE SHALL GO FULL HEIGHT. USE BULL-NOSE EDGES OR SCHLUTER STRIP AT ALL OUTSIDE CORNERS AND TILE TERMINATIONS (i.e., TOP OF WALL, ETC.)
15. WALL THICKNESS MAY HAVE TO BE ALTERED TO ACCOMMODATE SHOWER BASES. FIELD VERIFY WIDTH REQUIRED.
16. INFILL WALL OFF-SET TO LENGTHEN THICKEST PART TO ALLOW FOR A 4' WIDE x 1' DEEP SHELVING UNIT
17. MOISTURE RESISTANT GYPSUM BOARD LAY-IN CEILING AT SHOWER STALLS.
18. SUSPENDED ACOUSTICAL CEILING SYSTEM WITH 2x2 LAY-IN GYPSUM CEILING PANELS, EQ. TO USG SHEETROCK BRAND.

REFLECTED CEILING - LEGEND



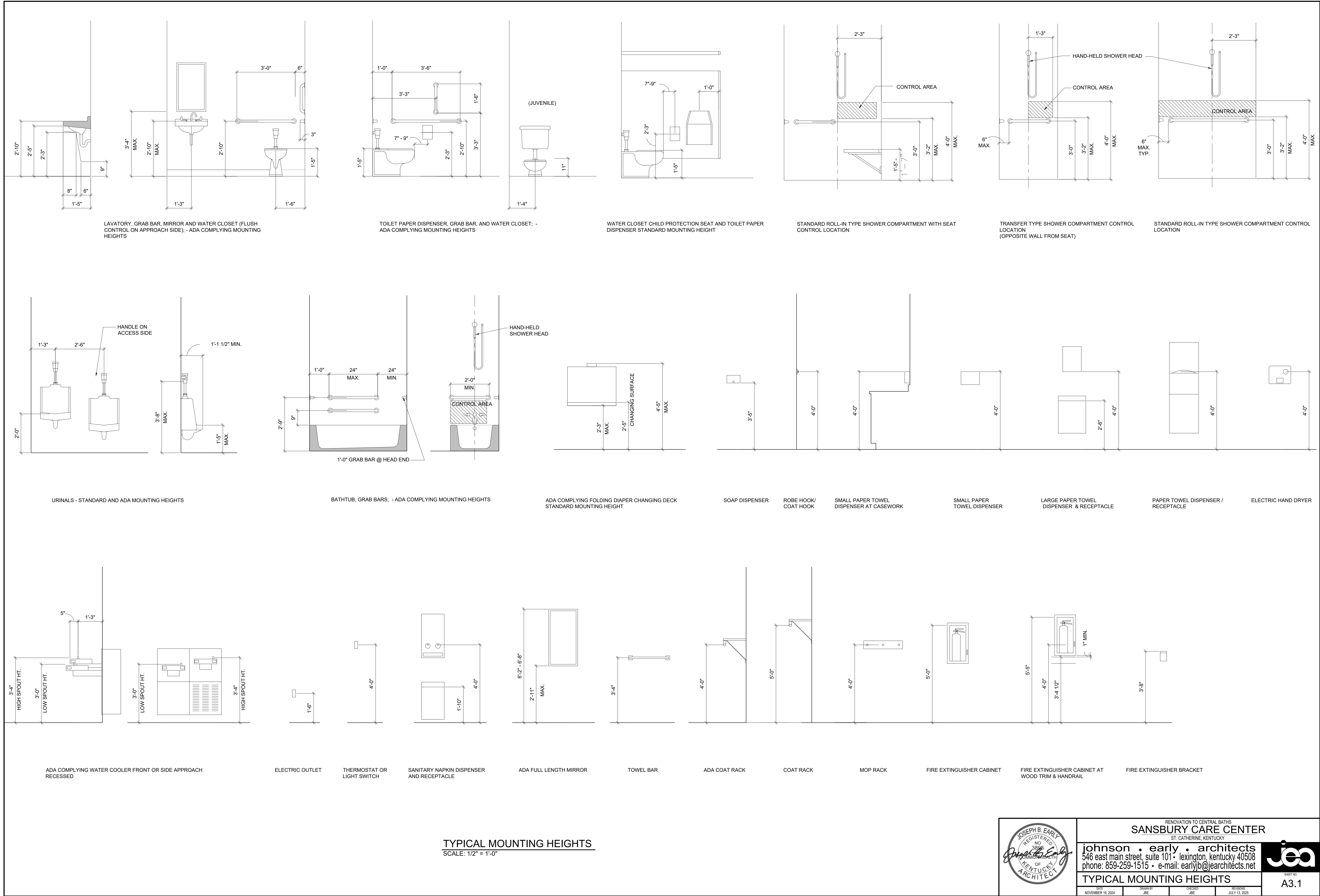
FLOOR FINISHES - LEGEND





INTERIOR ELEVATIONS AT TOILET & SHOWER ROOMS
SCALE: 1/4" = 1'-0"

TOILET ACCESSORIES SCHEDULE			
ITEM NO.	MANUF. & MODEL NO.	DESCRIPTION	MOUNTING HEIGHT
1	ASI #3100 TYPE "A"-01	36" GRAB BAR, 1-1/4" Ø, PEENED NON-SLIP SATIN FINISH FLANGE, 1-1/2" WALL CLEARANCE	36" A.F.F.
2	ASI #3100 TYPE "A"-01	42" GRAB BAR, 1-1/4" Ø, PEENED NON-SLIP SATIN FINISH FLANGE, 1-1/2" WALL CLEARANCE	36" A.F.F.
3	ASI #3100 TYPE "A"-01	24" GRAB BAR, 1-1/4" Ø, PEENED NON-SLIP SATIN FINISH FLANGE, 1-1/2" WALL CLEARANCE	40" A.F.F.
4	ASI #7300-B	18" STAINLESS STEEL SQUARE TOWEL BAR, BRIGHT FINISH	36" A.F.F.
5	ASI #7340-B	SINGLE ROBE HOOK, STAINLESS STEEL, BRIGHT FINISH	48" A.F.F.
6	ASI #7305	TOILET PAPER HOLDER, ONE ROLL, STAINLESS STEEL, BRIGHT FINISH	19" A.F.F.
7	ASI #0620-A	MIRROR, 18"x 30", STAINLESS STEEL FRAMED	40" A.F.F.
8	BY OWNER	PAPER TOWEL DISPENSER	40" A.F.F.
9	BY OWNER	SOAP DISPENSER	40" A.F.F.
10	ASI #8213	RETRACTABLE SHOWER STALL SEAT, STAINLESS STEEL FRAME, 1/2" SOLID PHENOLIC SLATS	18" A.F.F.
11	ASI #1206	SHOWER ROD, 1" DIA x 60", STAINLESS STEEL, SATIN FINISH	76" A.F.F.
12	ASI #1209	SHOWER ROD FLANGES, STAINLESS STEEL, SATIN FINISH	
13	ASI #1200	8 OZ. WHITE DUCK SHOWER CURTAIN, 72"x 72"	
14	ASI #1200 SH	SHOWER CURTAIN HOOKS, CHROME FINISH STEEL	
15	ASI TYPE #60	CORNER GRAB BAR, 30"x 18" 1-1/4" Ø, PEENED NON-SLIP SATIN FINISH FLANGE, 1-1/2" WALL CLEARANCE	40" A.F.F.
16	ASI TYPE #52	CORNER GRAB BAR, 36"x 54" 1-1/4" Ø, PEENED NON-SLIP SATIN FINISH FLANGE, 1-1/2" WALL CLEARANCE	36" A.F.F.
17	ASI #3100 TYPE "A"-01	24" GRAB BAR, 1-1/4" Ø, PEENED NON-SLIP SATIN FINISH FLANGE, 1-1/2" WALL CLEARANCE	BOTTOM 40" A.F.F.
18	ASI #3100 #8213	SHELF WITH MOP & BROOM HOLDER & RAG HOOKS, S.S., SATIN FINISH	54" A.F.F.
19			
20			
21		STORAGE UNIT A: 12" D X 48" W X 60" H	12" A.F.F.
22		STORAGE UNIT B: 22" D X 23" W X 60" H	12" A.F.F.
23		STORAGE UNIT C: 12" D X 52" W X 60" H	12" A.F.F.
24			





A CROSS SECTION THROUGH BUILDING
 A4.2 SCALE: 1/4" = 1'-0"

	RENOVATION TO CENTRAL BATHS SANSBURY CARE CENTER ST. CATHERINE, KENTUCKY			
	johnson . early . architects 546 east main street, suite 101 • lexington, kentucky 40508 phone: 859-259-1515 • e-mail: earlyjb@jeaarchitects.net			
	BUILDING CROSS SECTION			
	DATE APRIL 11, 2025	DRAWN BY JBE	CHECKED BY JBE	REVISIONS JULY 13, 2025
	SHEET NO. A4.2			

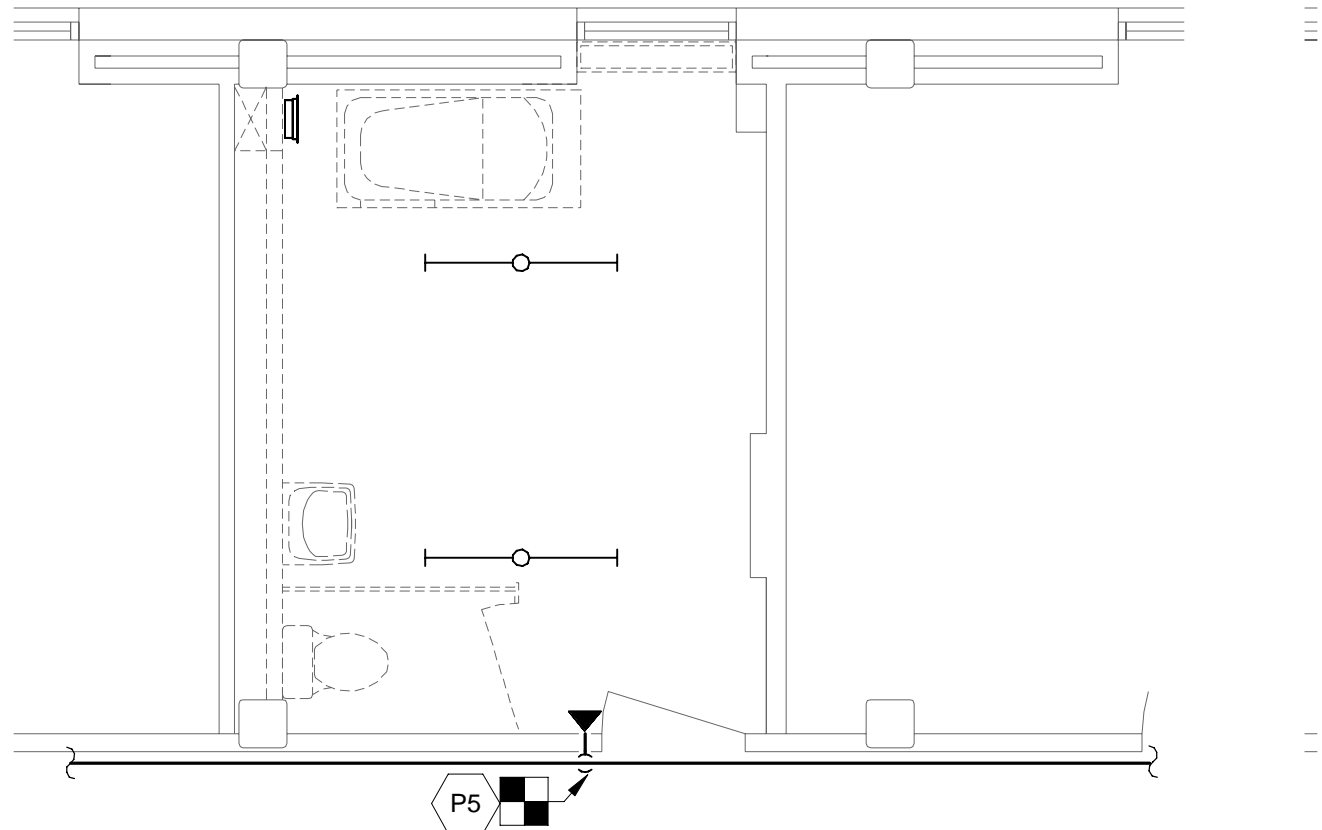
MECHANICAL GENERAL NOTES		SYMBOLS		ABBREVIATIONS																										
<div>1. COORDINATION BETWEEN TRADES: REQUEST AND EXAMINE ALL DRAWINGS AND SPECS. PERTAINING TO THE CONSTRUCTION, BEFORE INSTALLING ABOVE CEILING WORK AS SHOWN ON DRAWINGS AND SPECS. COOPERATE WITH ALL OTHER CONTRACTORS IN LOCATING PIPING, DUCTWORK, CONDUIT, OPENINGS, CHASSES AND EQUIPMENT IN ORDER TO AVOID CONFLICT WITH ANY OTHER CONTRACTOR'S WORK. GIVE SPECIAL ATTENTION TO POINTS WHERE DUCTS OR PIPING MUST CROSS OTHER DUCTS OR PIPING AND WHERE DUCTS, PIPING AND CONDUIT MUST FUR INTO THE WALLS AND COLUMNS. MAKE KNOWN TO OTHER TRADES INTENDED POSITIONING OF MATERIALS AND INTENDED ORDER OF WORK. DETERMINE INTENDED POSITION OF WORK OF OTHER TRADES AND INTENDED ORDER OF INSTALLS PRIOR TO INSTALLATION.</div> <div>2. WORK ABOVE CEILINGS: ALL WORK ABOVE AN AREA WITH LAY-IN CEILING MUST BE COORDINATED AND INSTALLED SO THERE IS A MINIMUM OF 4" BETWEEN THE TOP OF THE CEILING GRID MAIN RUNNERS AND THE BOTTOM OF THE INSTALLATION. INSTALLATION SHALL NOT OBSTRUCT EQUIPMENT ACCESS SPACE OR EQUIPMENT REMOVAL SPACE. ALSO, CONDUIT AND PIPE ATTACHED TO THE WALL MUST BE ABOVE THE 4" MINIMUM LEVEL.</div> <div>3. COORDINATE THE LOCATION OF DRAINS, ELECTRICAL OUTLETS, GAS OUTLETS, ETC., WITH ALL CASEWORK EQUIPMENT, MECHANICAL ROOM EQUIPMENT, ETC., PRIOR TO COMMENCING INSTALLATION. WORK NOT SO COORDINATED SHALL BE REMOVED AND PROPERLY INSTALLED AT THE EXPENSE OF THE RESPONSIBLE CONTRACTOR(S).</div> <div>4. ALL CONTRACTORS SHALL EXERCISE EXTREME CARE IN THE COURSE OF THEIR WORK SO AS TO INSURE THAT THEY DO NOT INTERRUPT ANY EXISTING SERVICE. FOR SAFETY PURPOSES, PAY PARTICULAR ATTENTION TO THIS PRECAUTION RELATIVE TO NATURAL GAS AND ELECTRICAL LINES. VERIFY THE LOCATION, SIZE, TYPE, ETC., OF EACH UNDERGROUND OR OVERHEAD UTILITY. ALL WORK SHALL BE PERFORMED IN ACCORD WITH ALL FEDERAL, STATE AND/OR LOCAL RULES, REGULATIONS, STANDARD AND SAFETY REQUIREMENTS.</div> <div>5. UTILITIES SHALL BE INSTALLED IN ACCORD WITH THE APPLICABLE MUNICIPALITY OR UTILITY COMPANY STANDARDS. IN ALL CASES, THE MOST STRINGENT REQUIREMENT SHALL APPLY.</div> <div>6. ALL NEW WORK SHALL BE HUNG FROM STRUCTURE, NOT FROM THE WORK OF OTHER TRADES, WHETHER EXISTING OR NEW. PROVIDE DELEGATED ENGINEERED DESIGN, SEISMIC CONSTRAINTS AND BRACING WHERE REQUIRED. PROVIDE ADDITIONAL SUPPORT FOR ALL NEW MECHANICAL EQUIPMENT WHEREVER THE BUILDING STRUCTURE IS NOT SUITABLE FOR DIRECT MOUNTING.</div> <div>7. COORDINATE ALL WORK WITH PROJECT PHASING REQUIREMENTS. INCLUDE COSTS FOR PER-PHASE AND FINAL AHJ INSPECTIONS, TEST AND BALANCE, ETC. IN BID PRICE.</div> <div>8. PATCH, REPAIR AND PAINT OR PROVIDE WALL COVERING FOR (TO OWNER'S STANDARDS) EXISTING WALLS, CEILINGS, ETC., THAT ARE TO REMAIN IF DAMAGED DURING CONSTRUCTION, AS REQUIRED. REPAIRS SHALL MATCH ADJACENT SURFACES TO THE SATISFACTION OF THE ARCHITECT AND OWNER.</div> <div>9. OBSERVE ALL APPLICABLE CODES, RULES AND REGULATIONS THAT MAY APPLY TO THE WORK UNDER THIS CONTRACT. (CITY, COUNTY, LOCAL, FEDERAL, MUNICIPALITY, UTILITY COMPANY, STATE, ETC.)</div> <div>10. THE CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY COMPANY FEES OR OTHER COSTS THAT ANY UTILITY COMPANY MAY REQUIRE TO COMPLETE THEIR WORK. (GAS, SEWER, WATER, ELECTRIC, TELEPHONE, TELEVISION, ETC.).</div> <div>11. WHERE FIRE PROOFING IS SPRAYED ON EXISTING STRUCTURE ALL EXISTING CONDUITS, WATER, HYDRONIC, STEAM, CHILLED WATER, FIRE PROTECTION LINES, MED GAS, ETC. SHALL BE LOWERED TO BE BELOW FULL THICKNESS OF FIRE PROOFING WITH NO INTERFERENCE.</div> <div>12. ALL PENETRATIONS OF FIRE AND SMOKE RATED WALL, FLOOR, AND CEILING ASSEMBLIES SHALL BE APPROPRIATELY FIRE/SMOKE STOPPED PER AN APPROVED U.L. LISTED STANDARD. CONTRACTOR SHALL PAY PARTICULAR ATTENTION TO INSULATED AND PLASTIC PIPING PENETRATIONS. FOR PLASTIC PIPING THRU RATED ASSEMBLY, PROVIDE INTUMESCENT RING WITH U.L. LISTING FOR PIPE SIZE INDICATED. SLEEVE ALL INSULATED PIPING THRU RATED ASSEMBLIES WITH STEEL (INTERIOR) OR GALVANIZED STEEL (EXTERIOR AND SLABS). UON, TO MAINTAIN CONTINUOUS PIPING INSULATION THRU RATED ASSEMBLY. REFER TO SPECS AND DRAWING DETAILS WHERE AVAILABLE FOR ADDITIONAL SLEEVE REQUIREMENTS.</div> <div>13. DUCTWORK, PIPING, CONDUITS, ETC. IN ROOMS WITH CEILINGS SHALL BE ABOVE CEILING EXCEPT AS NOTED.</div> <div>14. INSTALL AIR VENTS AT HIGH POINTS IN PIPING AND DRAINS IN LOW POINTS. USE CARE TO AVOID FREEZING OF EXTERIOR VENTS.</div> <div>15. LOCATIONS OF PIPING, DUCTS AND EQUIPMENT ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD. DO NOT SCALE THE DRAWINGS. ALL OFFSETS IN DUCTS AND PIPING ARE NOT NECESSARILY SHOWN. CONTRACTOR SHALL PROVIDE ADDITIONAL OFFSETS WHERE NECESSARY, AND ADJUST THEIR BID ACCORDINGLY.</div> <div>16. INSTALL ALL PIPING, DUCTWORK AND EQUIPMENT IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE RECOMMENDED ACCESS AND SERVICE CLEARANCES.</div> <div>17. SLEEVE AND SEAL AIRTIGHT AROUND ALL DUCTS AND PIPING PENETRATIONS THROUGH EXTERIOR WALLS, FLOORS AND ROOF.</div> <div>18. EXCEPT WHERE INDICATED OTHERWISE, ALL NEW DUCTWORK SHALL BE SHEET METAL, CONSTRUCTED IAW LATEST SMACNA DUCT CONSTRUCTION STANDARDS. PROVIDE 1.5 LB DENSITY, R-5 (R-8 IN UNCONDITIONED SPACES) ALUMINIZED KRAFT PAPER BACKED EXTERNAL INSULATION ON ALL SUPPLY, OUTSIDE AIR, AND RETURN AIR DUCTWORK, UON. SEAL ALL NEW DUCTWORK JOINTS WITH UNITED MCGILL, IRONGRIP 601 OR EQUAL WATER BASED DUCT SEALANT. TAPING OF JOINTS IS UNACCEPTABLE EXCEPT WHERE APPROVED IN ADVANCE BY ENGINEER.</div> <div>19. ALL MOTOR DRIVEN EQUIPMENT SHALL BE INSTALLED WITH FLEXIBLE CONNECTIONS TO DUCTWORK, PIPING, ETC., UNLESS OTHERWISE NOTED.</div> <div>20. TWO HARD COPIES AND ONE PDF ELECTRONIC COPY ON FLASH DRIVE OF OPERATION AND MAINTENANCE MANUALS FOR THE EQUIPMENT HEREIN INSTALLED SHALL BE GIVEN TO THE OWNER PRIOR TO ACCEPTANCE OF THE BUILDING FOR OCCUPANCY.</div> <div>21. ALL VENT PIPING, PNEUMATIC TUBING, AND WIRING SHALL BE PLENUM RATED WHEN INSTALLED IN AN HVAC AIR PLENUM.</div> <div>22. UPON COMPLETE INSTALLATION AND STARTUP OF HVAC SYSTEMS, PROVIDE CERTIFIED AIR (AND HYDRONIC, WHERE SYSTEMS ARE PRESENT) TEST AND BALANCE REPORT BY AN INDEPENDENT, NEBB OR AABC CERTIFIED TAB CONTRACTOR. AIR BALANCE SHALL INCLUDE ALL MAIN DUCTS, BRANCH DUCTS, DIFFUSERS, REGISTERS, AND GRILLES, HVAC EQUIPMENT AND FANS.</div> <div>23. PROVIDE MANUAL AIR BALANCE DAMPERS AT EACH DUCT BRANCH TAKEOFF TO ALLOW FOR PROPER BALANCING OF HVAC SYSTEMS.</div> <div>24. ALL RADIUS DUCT ELBOWS SHALL BE LONG RADIUS TYPE (INSIDE ELBOW RADIUS EQUAL TO DUCT WIDTH/METER). ALL SQUARE ELBOWS SHALL HAVE TURNING VANES. SQUARE NECK RADIUS BACK ELBOWS ARE UNACCEPTABLE.</div> <div>25. PIPING INSULATION EXPOSED TO WEATHER SHALL BE PROTECTED FROM DAMAGE, INCLUDING THAT FROM SUN, MOISTURE, EQUIPMENT MAINTENANCE, AND WIND. PROVIDE SHIELDING FROM SOLAR RADIATION THAT CAN CAUSE DEGRADATION OF THE MATERIAL WITH 54 MIL SELF-ADHESIVE OUTDOOR INSULATION JACKET EQUAL TO POLYGUARD ALUMAGUARD. ADHESIVE TAPE SHALL NOT BE PERMITTED.</div> <div>26. ALL WORK RELATING TO THE HANDICAPPED SHALL COMPLY WITH REGULATIONS CURRENTLY ENFORCED BY THE AHJ.</div>	<div>27. THE CONTRACTOR SHALL INFORM HIMSELF OF ALL OF THE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED, THE SITE OF THE WORK, THE STRUCTURE OF THE GROUND, THE OBSTACLES THAT MAY BE ENCOUNTERED, THE AVAILABILITY AND LOCATION OF NECESSARY FACILITIES AND ALL RELEVANT MATTERS CONCERNING THE WORK. THE CONTRACTOR SHALL CAREFULLY EXAMINE ALL DRAWINGS AND SPECIFICATIONS AND DETERMINE THE KND AND TYPE OF MATERIALS TO BE USED THROUGHOUT THE PROJECT AND WHICH MAY, IN ANY WAY, AFFECT THE EXECUTION OF HIS WORK. THE CONTRACTOR SHALL FULLY ACQUAINT HIMSELF WITH ALL EXISTING CONDITIONS AS TO INGRESS AND EGRESS, DISTANCE OF HAUL FROM SUPPLY POINTS, ROUTES FOR TRANSPORTATION OF MATERIALS, FACILITIES AND SERVICES, AVAILABILITY OF UTILITIES, ETC. HIS PROPOSAL SHALL COVER ALL EXPENSES OF DISBURSEMENTS IN CONNECTION WITH SUCH MATTERS AND CONDITIONS. THE CONTRACTOR SHALL VERIFY ALL WORK SHOWN ON THE DRAWINGS AND CONDITIONS AT THE SITE, AND SHALL REPORT IMMEDIATELY TO THE ENGINEER TEN DAYS (10) PRIOR TO BIDDING, ANY DISCREPANCIES WHICH MAY APPEAR IN ORDER THAT MISUNDERSTANDING AT A LATER DATE MAY BE PREVENTED. NO ALLOWANCE IS TO BE MADE FOR LACK OF KNOWLEDGE CONCERNING SUCH CONDITIONS AFTER BIDS ARE ACCEPTED.</div> <div>28. THE CONTRACTOR SHALL GUARANTEE ALL EQUIPMENT, APPARATUS, MATERIALS, AND WORKMANSHIP ENTERING INTO THIS CONTRACT TO BE THE BEST OF ITS RESPECTIVE KIND AND SHALL REPLACE ALL PARTS AT HIS OWN EXPENSE, WHICH ARE PROVEN DEFECTIVE WITHIN ONE (1) YEAR FROM FINAL ACCEPTANCE OF THE WORK BY THE ENGINEER. THE EFFECTIVE DATE OF COMPLETION OF THE WORK SHALL BE THE DATE OF THE ENGINEER'S STATEMENT OF SUBSTANTIAL COMPLETION. THE CONTRACTOR SHALL PRESENT THE ENGINEER WITH SUCH WARRANTIES AND GUARANTEES AT THE TIME OF FINAL ACCEPTANCE OF THE WORK. THE ENGINEER SHALL THEN SUBMIT THESE WARRANTIES, ETC., TO THE OWNER. THE OWNER RESERVES THE RIGHT TO USE EQUIPMENT INSTALLED BY THE CONTRACTOR PRIOR TO DATE OF FINAL ACCEPTANCE, OR USE OF EQUIPMENT SHALL BE AT ALL TIMES IN VIOLATE THE GUARANTEE EXCEPT THAT THE OWNER SHALL BE LIABLE FOR ANY DAMAGE TO EQUIPMENT DURING THIS PERIOD, DUE TO NEGLIGENCE OF THE OPERATOR OR OTHER EMPLOYEES.</div> <div>29. THE CONTRACTOR SHALL PROVIDE AND LOCATE ALL SLEEVES AND INSERTS REQUIRED FOR HIS WORK OR SHALL BE RESPONSIBLE FOR THE COST OF CUTTING AND PATCHING REQUIRED FOR PIPES WHERE SLEEVES AND INSERTS WERE NOT INSTALLED, OR WHERE INCORRECTLY LOCATED. THE CONTRACTOR SHALL DO ALL DRILLING REQUIRED FOR THE INSTALLATION OF HIS HANGERS. SLEEVES SHALL BE PROVIDED FOR ALL MECHANICAL PIPING PASSING THRU CONCRETE FLOOR SLABS AND CONCRETE WALL CONSTRUCTION. SLEEVES SHALL NOT BE PROVIDED FOR PIPING RUNNING IMBEDDED IN CONCRETE OR SLABS ON GRADE UNLESS OTHERWISE NOTED. WHERE SLEEVES ARE PLACED IN EXTERIOR WALLS ON GRADE, THE SPACE BETWEEN THE PIPE OR CONDUIT AND THE SLEEVES SHALL BE PACKED AND MADE COMPLETELY WATER TIGHT. TERMINATE SLEEVES FLUSH WITH WALLS.</div> <div>30. PRIOR TO PURCHASING, THE CONTRACTOR SHALL PREPARE AND SUBMIT TO THE OWNER WITHIN FIFTEEN (15) DAYS AFTER THE DATE OF THE CONTRACT, ELECTRONIC PDF FILES OF ALL SHOP DRAWINGS, CERTIFIED EQUIPMENT DRAWINGS, INSTALLATION, OPERATING AND MAINTENANCE INSTRUCTIONS, SAMPLES, WIRING DIAGRAMS, ETC. ON ALL ITEMS OF EQUIPMENT SHOWN ON DRAWINGS OR SPECIFIED AS CONTRACTOR FURNISHED, UNLESS DIRECTED OTHERWISE BY ENGINEER IN WRITING.</div> <div>31. THE CONTRACTOR SHALL SUBMIT TWO HARD COPIES AND ONE PDF ELECTRONIC COPY ON PORTABLE MEDIA OF ENGINEER-APPROVED OPERATION AND MAINTENANCE MANUALS FOR THE EQUIPMENT HEREIN INSTALLED TO THE OWNER PRIOR TO ACCEPTANCE OF THE BUILDING FOR OCCUPANCY. SUBMIT PDF VERSION ONLY TO ENGINEER FOR REVIEW AND APPROVAL.</div> <div>32. THE CONTRACTOR SHALL GIVE ALL NECESSARY NOTICES, OBTAIN AND PAY FOR ALL PERMITS, GOVERNMENT SALES TAXES, FEES, INSPECTIONS AND OTHER COSTS, INCLUDING ALL UTILITY CONNECTIONS, METERS, METER SETTINGS, TAPS, TAP FEES, EXTENSIONS, ETC., IN CONNECTION WITH HIS WORK; FILE ALL NECESSARY PLANS, PREPARE ALL DOCUMENTS AND OBTAIN ALL NECESSARY APPROVALS OF ALL GOVERNMENTAL DEPARTMENTS AND/OR THE APPROPRIATE MUNICIPALITY OR UTILITY COMPANY HAVING JURISDICTION, WHETHER INDICATED OR SPECIFIED OR NOT. HE SHALL ALSO OBTAIN ALL REQUIRED CERTIFICATES OF INSPECTION FOR HIS WORK AND DELIVER SAME TO THE ENGINEERS BEFORE REQUEST FOR ACCEPTANCE AND FINAL PAYMENT FOR THE WORK. IGNORANCE OF CODES, RULES, REGULATIONS, LAWS, ETC., SHALL NOT RENDER THE CONTRACTOR IRRESPONSIBLE FOR COMPLIANCE. EACH CONTRACTOR SHALL ALSO BE VERSED IN ALL CODES, RULES AND REGULATIONS PERTINENT TO HIS PART OF THE WORK PRIOR TO SUBMISSION OF A PROPOSAL.</div> <div>33. ALL MATERIALS AND EQUIPMENT FOR THE ELECTRICAL PORTION OF THE MECHANICAL SYSTEMS SHALL BEAR THE APPROVAL LABEL OF, OR SHALL BE LISTED BY THE UNDERWRITERS LABORATORIES, INCORPORATED.</div>	<div>GENERAL DRAFTING SYMBOLS</div> <div><div><div></div><div>CONNECT TO EXISTING (VERIFY EXACT LOCATION)</div></div><div><div></div><div>LIMIT OF DEMOLITION</div></div><div><div></div><div>SHEET NOTE</div></div><div><div></div><div>REVISION NOTE - SEE REVISION LIST</div></div><div><div></div><div>DETAIL DESIGNATOR</div></div><div><div></div><div>SHEET NUMBER</div></div><div><div></div><div>ACCESS PANEL</div></div></div> <div><div>PIPING SUPPORT SPACING</div><table><tr><th>PIPING MATERIAL</th><th>MAXIMUM HORIZONTAL (FEET)</th><th>MAXIMUM VERTICAL (FEET)</th></tr><tr><td>CAST-IRON PIPE</td><td>5</td><td>15</td></tr><tr><td>COPPER OR COPPER ALLOY PIPE</td><td>12</td><td>10</td></tr><tr><td>COPPER OR COPPER ALLOY TUBING, 1-1/4" AND SMALLER</td><td>6</td><td>10</td></tr><tr><td>COPPER OR COPPER ALLOY TUBING, 1-1/2" AND LARGER</td><td>10</td><td>10</td></tr><tr><td>PEX TUBING</td><td>32 INCHES</td><td>10</td></tr><tr><td>PVC PIPE</td><td>4</td><td>10</td></tr><tr><td>STEEL TUBING</td><td>8</td><td>10</td></tr></table><div>THE MAXIMUM HORIZONTAL SPACING OF CAST-IRON PIPE HANGERS SHALL BE INCREASED TO 10 FEET WHERE 10-FOOT LENGTHS OF PIPE ARE INSTALLED.</div></div>		PIPING MATERIAL	MAXIMUM HORIZONTAL (FEET)	MAXIMUM VERTICAL (FEET)	CAST-IRON PIPE	5	15	COPPER OR COPPER ALLOY PIPE	12	10	COPPER OR COPPER ALLOY TUBING, 1-1/4" AND SMALLER	6	10	COPPER OR COPPER ALLOY TUBING, 1-1/2" AND LARGER	10	10	PEX TUBING	32 INCHES	10	PVC PIPE	4	10	STEEL TUBING	8	10	<div><div></div><div>SUPPLY DIFFUSER, RETURN GRILLE, EXHAUST GRILLE</div></div> <div><div></div><div>EXHAUST AIR DUCT TURNING UP (SIMILAR FOR OTHER DUCT TYPES.)</div></div> <div><div></div><div>EXHAUST AIR DUCT TURNING DOWN (SIMILAR FOR OTHER DUCT TYPES.)</div></div> <div><div></div><div>MOTORIZED DAMPER</div></div> <div><div></div><div>VOLUME DAMPER, CFM</div></div> <div><div></div><div>FIRE DAMPER/SMOKE DAMPER WITH ACCESS DOOR</div></div> <div><div></div><div>AIR DISTRIBUTION DEVICE DESIGNATOR XXX INDICATES CFM</div></div> <div><div></div><div>THERMOSTAT, TEMPERATURE SENSOR</div></div> <div><div></div><div>TRANSITION - RECT./ROUND OR ROUND/RECT.</div></div> <div><div></div><div>TRANSITION - RECT./RECT. OR ROUND/ROUND</div></div> <div><div></div><div>ECCENTRIC TRANSITION</div></div> <div><div></div><div>SUPPLY AIR DUCT</div></div> <div><div></div><div>RETURN AIR DUCT</div></div> <div><div></div><div>OUTSIDE AIR DUCT</div></div> <div><div></div><div>EXHAUST AIR DUCT</div></div> <div><div></div><div>MITERED ELBOW WITH TURNING VANES</div></div> <div><div></div><div>DUCT FLEX CONNECTOR</div></div> <div><div></div><div>3" WG TO 2" WG DUCT PRESSURE CLASS CONSTRUCTION</div></div> <div><div></div><div>DUCT SMOKE DETECTOR</div></div> <div><div></div><div>CO2 SENSOR, WALL MOUNTED</div></div> <div><div></div><div>SPRINKLER HEAD</div></div> <div><div></div><div>FLOOR CLEANOUT</div></div> <div><div></div><div>EXTERIOR CLEANOUT</div></div> <div><div></div><div>UNION</div></div> <div><div></div><div>PETE'S PLUG</div></div> <div><div></div><div>CODE APPROVED BACKFLOW PREVENTER</div></div> <div><div></div><div>STRAINER</div></div> <div><div></div><div>TWO WAY CONTROL VALVE (CONTROL VALVE GENERAL)</div></div> <div><div></div><div>SOLENOID VALVE</div></div> <div><div></div><div>BUTTERFLY VALVE</div></div> <div><div></div><div>TRIPLE DUTY VALVE</div></div> <div><div></div><div>CHECK VALVE</div></div> <div><div></div><div>GATE VALVE (NORMALLY OPEN)</div></div> <div><div></div><div>GATE VALVE (NORMALLY CLOSED)</div></div> <div><div></div><div>PRESSURE REDUCING VALVE (STEAM, GAS, WATER, ETC.)</div></div> <div><div></div><div>BALL VALVE</div></div> <div><div></div><div>BALANCING VALVE</div></div> <div><div></div><div>PRESSURE GAUGE</div></div>		
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<div>HAZARDOUS MATERIALS NOTE</div> <div>THE CONTRACTOR IS HEREBY ADVISED THAT IT IS POSSIBLE THAT ASBESTOS, LEAD-BASED PAINT, AND/OR OTHER HAZARDOUS MATERIALS ARE OR WERE PRESENT IN THIS BUILDING(S). ANY PERSON WHO ENCOUNTERS ANY MATERIAL OF WHICH CONTENT IS UNKNOWN MUST IMMEDIATELY REPORT THE LOCATION OF THAT MATERIAL TO THE OWNER. INSURE THAT NO PERSON COMES NEAR TO OR IN CONTACT WITH ANY SUCH MATERIAL OR RELATED FUMES.</div> <div>CONNOLLY CONSULTING ENGINEERS (CCE) HAS NO EXPERTISE IN THE DETERMINATION OF THE PRESENCE OF ANY HAZARDOUS MATERIAL. THEREFORE, NO ATTEMPT HAS BEEN MADE BY CCE TO IDENTIFY THE EXISTENCE OR LOCATION OF ANY SUCH HAZARDOUS MATERIAL. CCE NOR ANY OF ITS AFFILIATES WILL NOT OFFER ANY RECOMMENDATIONS RELATIVE TO THE REMOVAL, HANDLING OR DISPOSAL OF SUCH MATERIAL.</div> <div>IF THE WORK WHICH IS TO BE PERFORMED INTERFACES, CONNECTS OR RELATES IN ANY PHYSICAL WAY WITH OR TO EXIST. COMPONENTS WHICH CONTAIN OR BEAR ANY HAZARDOUS MATERIAL, ASBESTOS BEING ONE, THEN IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO CONTACT THE OWNER AND SO ADVISE HIM IMMEDIATELY.</div> <div>THE CONTRACTOR(S) BY EXECUTION OF THE CONTRACT FOR ANY WORK AND/OR BY THE PERFORMANCE OF ANY WORK AGREE TO BRING NO CLAIM WHATSOEVER RELATIVE TO HAZARDOUS MATERIALS AGAINST CCE, ITS PRINCIPALS, EMPLOYEES, AGENTS, AFFILIATES OR CONSULTANTS. ALSO, THE CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD HARMLESS CCE, ITS PRINCIPALS, EMPLOYEES, AGENTS AND CONSULTANTS FROM ANY CLAIMS WHICH MAY BE BROUGHT BY ANY SUBCONTRACTORS, SUPPLIERS OR ANY OTHER THIRD PARTIES. REFER TO THE SPECIFICATIONS FOR FURTHER INFORMATION.</div>																														
<div>PHASING NOTE</div> <div>THIS PROJECT INTERFACES EXTENSIVELY WITH EXISTING BUILDING SERVICES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE AND PHASE ALL TIE-INS AND INTERRUPTIONS OF EXISTING SERVICES TO MINIMIZE OR ELIMINATE DOWNTIME. AS AN EXAMPLE, GAS, WATER, ELECTRICAL, PLUMBING, HVAC, AND/OR FIRE PROTECTION SYSTEMS WILL BE AFFECTED AND REPLACED OR MOVED DURING THIS PROJECT. THE CONTRACTOR SHALL INSTALL ALL NEW SERVICES AND EQUIPMENT U.O.N. AND HAVE THEM TESTED AND FULLY AND RELIABLY FUNCTIONAL PRIOR TO INTERRUPTING, RELOCATING OR REMOVING ANY EXISTING SERVICES.</div> <div>IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO BEAR ANY AND ALL COSTS ASSOCIATED WITH THIS PHASING, INCLUDING TEMPORARY SERVICES, TEMPORARY RELOCATION, PREMIUM TIME WORK, ETC. CONTRACTOR SHALL COORDINATE ALL SAID WORK WITH THE OWNER AND APPLICABLE UTILITIES PER THE CONTRACT DOCUMENTS.</div>																														
<div><div></div><div>PIPE ELBOW TURNING UP/TURNING DOWN</div></div> <div><div></div><div>PIPING TEE (TURNED UP/DOWN)</div></div> <div><div></div><div>SLOPE PIPING TO FALL IN DIRECTION OF ARROW</div></div> <div><div></div><div>AIR VENT - "A" INDICATES AUTOMATIC VENT</div></div> <div><div></div><div>VENT THRU ROOF</div></div>																														
<div>MOUNTING HEIGHTS TO CENTERLINE (UON)</div> <div>THERMOSTATS.....3'-10"</div>																														
<div>19051.00</div> <div></div> <div>2265 Harrodsburg Rd, Ste 402 • Lexington, KY 40504 Office 859.402.0221 • www.cceky.com</div>																														
<div></div> <div>LUKE R. POWELL 33178 Professional Engineer</div>																														
<div>RENOVATION TO CENTRAL BATHS SANSBURY CARE CENTER ST. CATHERINE, KENTUCKY</div> <div>johnson • early • architects 131 prosperous place, suite 19b • lexington, kentucky 40509 phone: 859-259-1515 • fax: 859-231-5060 • e-mail: earlyjb@jeearchitects.net</div> <div>MECHANICAL LEGEND AND NOTES</div> <table><tr><th>DATE</th><th>DRAWN BY</th><th>CHECKED</th><th>REVISIONS</th></tr><tr><td>8/14/2025</td><td>TRC</td><td>LRP</td><td></td></tr></table> <div>SHEET NO. M0.1</div>			DATE	DRAWN BY	CHECKED	REVISIONS	8/14/2025	TRC	LRP																					
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SHEET NOTES

- P5 REMOVE EXISTING SPRINKLER HEAD AND ASSOCIATED BRANCH PIPING BACK TO MAIN AND CAP.
- P6 EXTEND NEW BRANCH PIPING FROM MAIN IN CORRIDOR, INTO BATHROOM ABOVE NEW CEILING AND CONNECT TO NEW SEMI-RECESSED TYPE SPRINKLER HEADS.

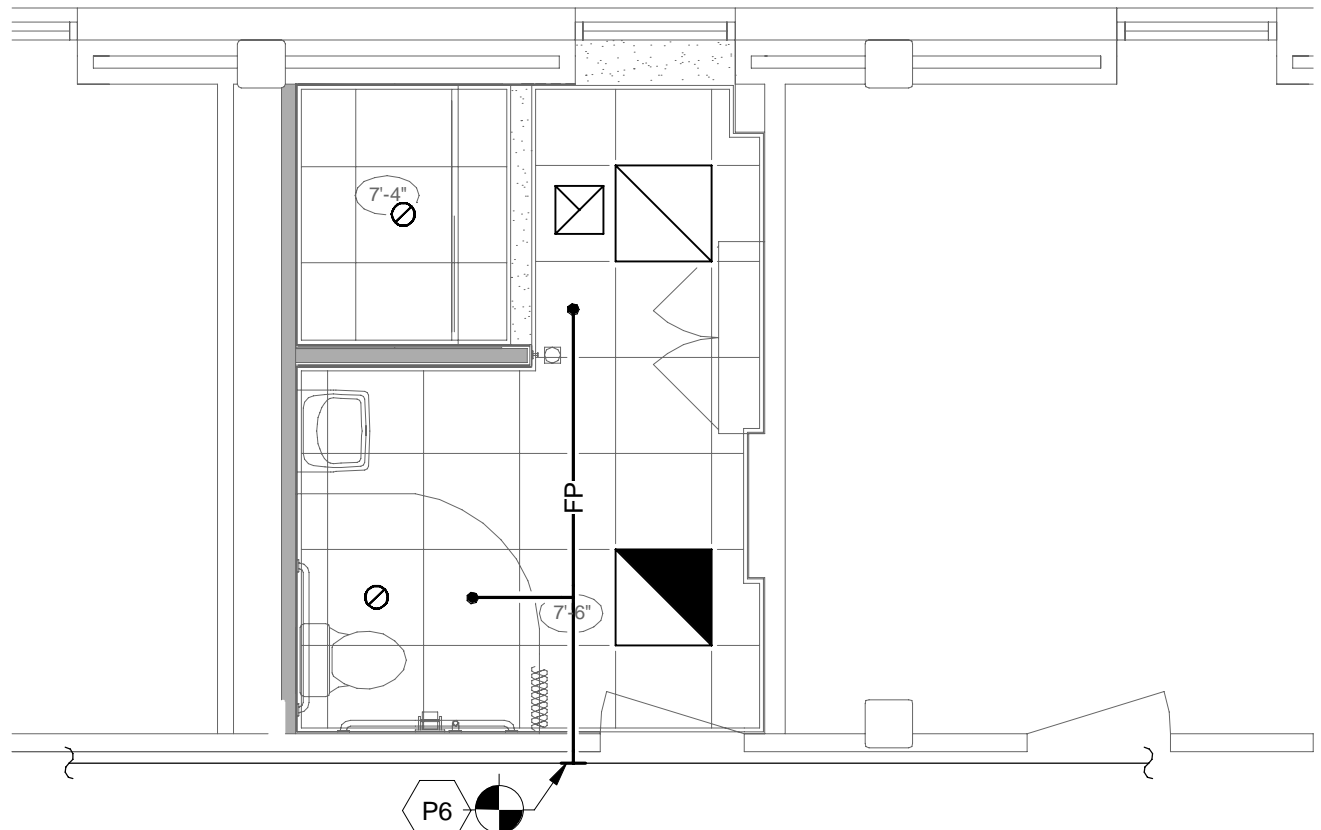
FIRE PROTECTION GENERAL NOTES

- A. ALL OCCUPIED EXISTING AREAS ARE PRESENTLY PROTECTED BY A 100% WET PIPE FIRE SUPPRESSION SYSTEM. CONTRACTOR SHALL MODIFY THE SYSTEM AS REQUIRED TO MAINTAIN 100% PROTECTION, IN ACCORDANCE WITH NFPA 13, KENTUCKY BUILDING CODE AND SPECIFICATIONS.
- B. REFER TO A COMPLETE SET OF DOCUMENTS (ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL PLANS AND SPECIFICATIONS) FOR COORDINATION OF TRADES, ROOMS, STRUCTURE AND EQUIPMENT.
- C. WHERE CEILINGS ARE INDICATED ALL PIPING MUST BE INSTALLED ABOVE CEILINGS. PIPING MUST BE COORDINATED WITH OTHER TRADES.
- D. FIRE PROTECTION PIPING MUST BE OFFSET TO AVOID CONFLICTS WITH DUCTWORK, CONDUIT, ALL EQUIPMENT, ETC.
- E. ALL FIRE PROTECTION PIPE SIZES SHALL BE HYDRAULICALLY CALCULATED IN ACCORDANCE WITH NFPA-13.
- F. ALL MATERIALS AND INSTALLATIONS OF THE AUTOMATIC FIRE SPRINKLER SYSTEM TO CONFORM TO NFPA 13.
- G. LOW POINTS OF SYSTEM SHALL HAVE PROVISIONS FOR PROPER DRAINAGE.
- H. WHERE LAY-IN CEILINGS ARE INDICATED, INSTALL HEADS IN CENTER OF 2' X 2' TILES. INSTALL HEADS ON 1/4 POINTS OF THE 4' DIMENSION AND CENTER OF THE 2' DIMENSION IN 2' X 4' TILES
- I. FIRE SPRINKLER CONTRACTOR SHALL SUBMIT FLOOR PLAN COORDINATION DRAWINGS. PRIOR TO SHOP DRAWINGS SUBMITTALS, FIRE SPRINKLER CONTRACTOR SHALL COORDINATE ALL PIPE ROUTING WITH MECHANICAL AND ELECTRICAL WORK SO AS TO AVOID CONFLICTS WITH THEIR WORK. IN THE EVENT THESE CONFLICTS ARE UNAVOIDABLE, CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY FOR ASSISTANCE.



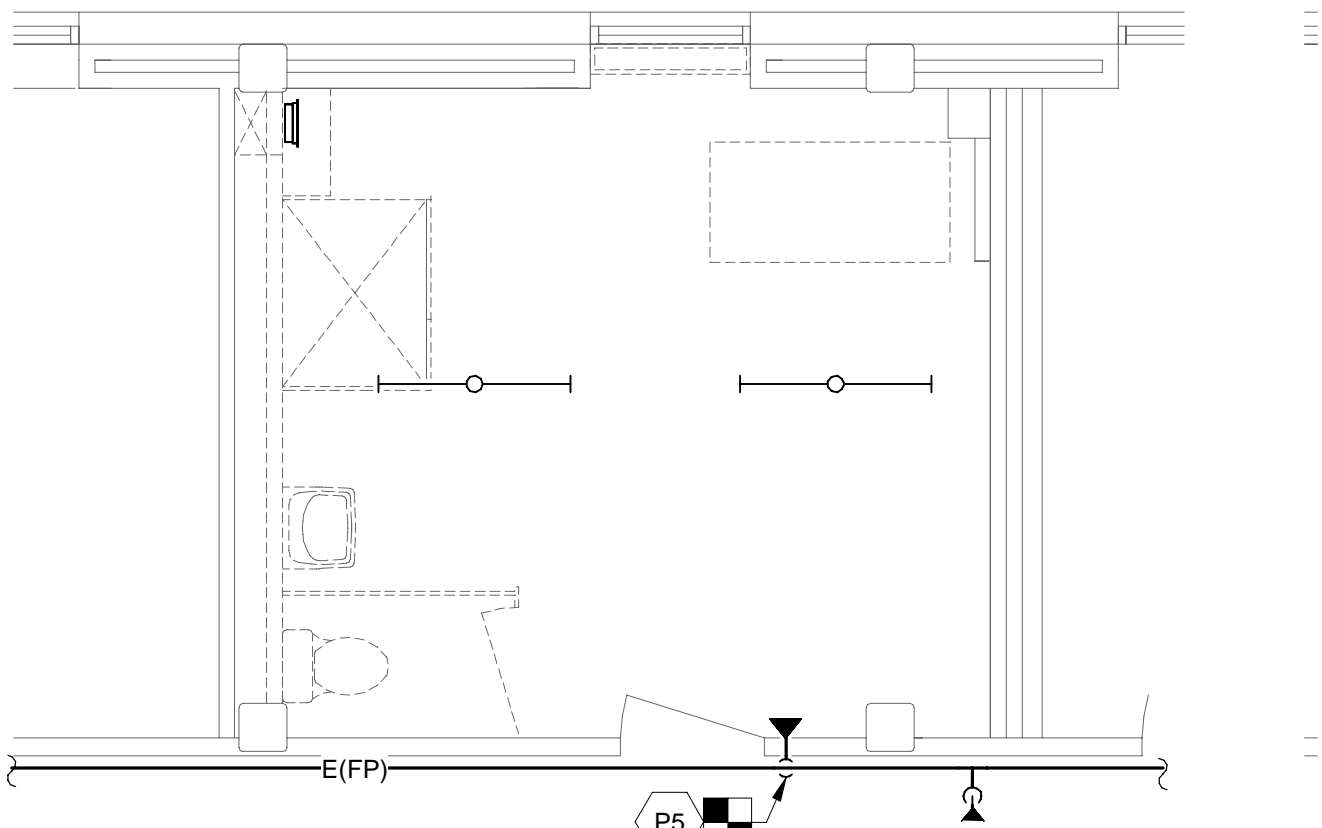
ENLARGED FIRE PROTECTION DEMOLITION -
BATHROOM 243

1/4" = 1'-0"



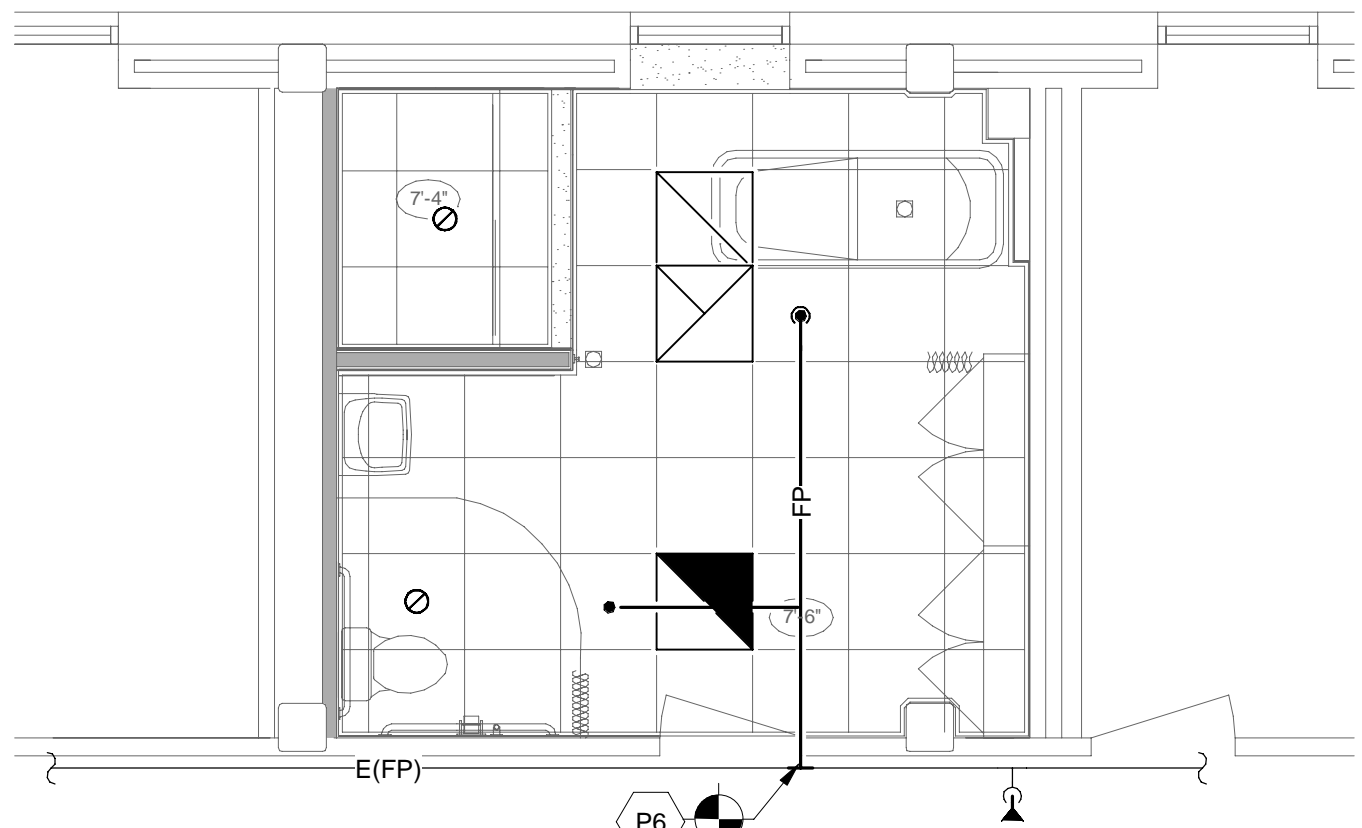
ENLARGED FIRE PROTECTION PLAN -
BATHROOM 243

1/4" = 1'-0"



ENLARGED FIRE PROTECTION DEMOLITION -
BATHROOM 336

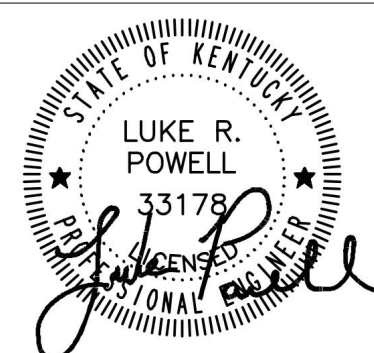
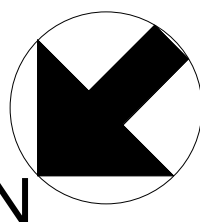
1/4" = 1'-0"



ENLARGED FIRE PROTECTION PLAN -
BATHROOM 336

1/4" = 1'-0"

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



RENOVATION TO CENTRAL BATHS SANSBURY CARE CENTER ST. CATHERINE, KENTUCKY			
johnson • early • architects 131 prosperous place, suite 19b • lexington, kentucky 40509 phone: 859-259-1515 • fax: 859-231-5060 • e-mail: earlyjb@jeearchitects.net			
ENLARGED FIRE PROTECTION PLANS			
DATE 8/14/2025	DRAWN BY KAM	CHECKED LRP	REVISIONS
SHEET NO. FP2.1			

X SHEET NOTES

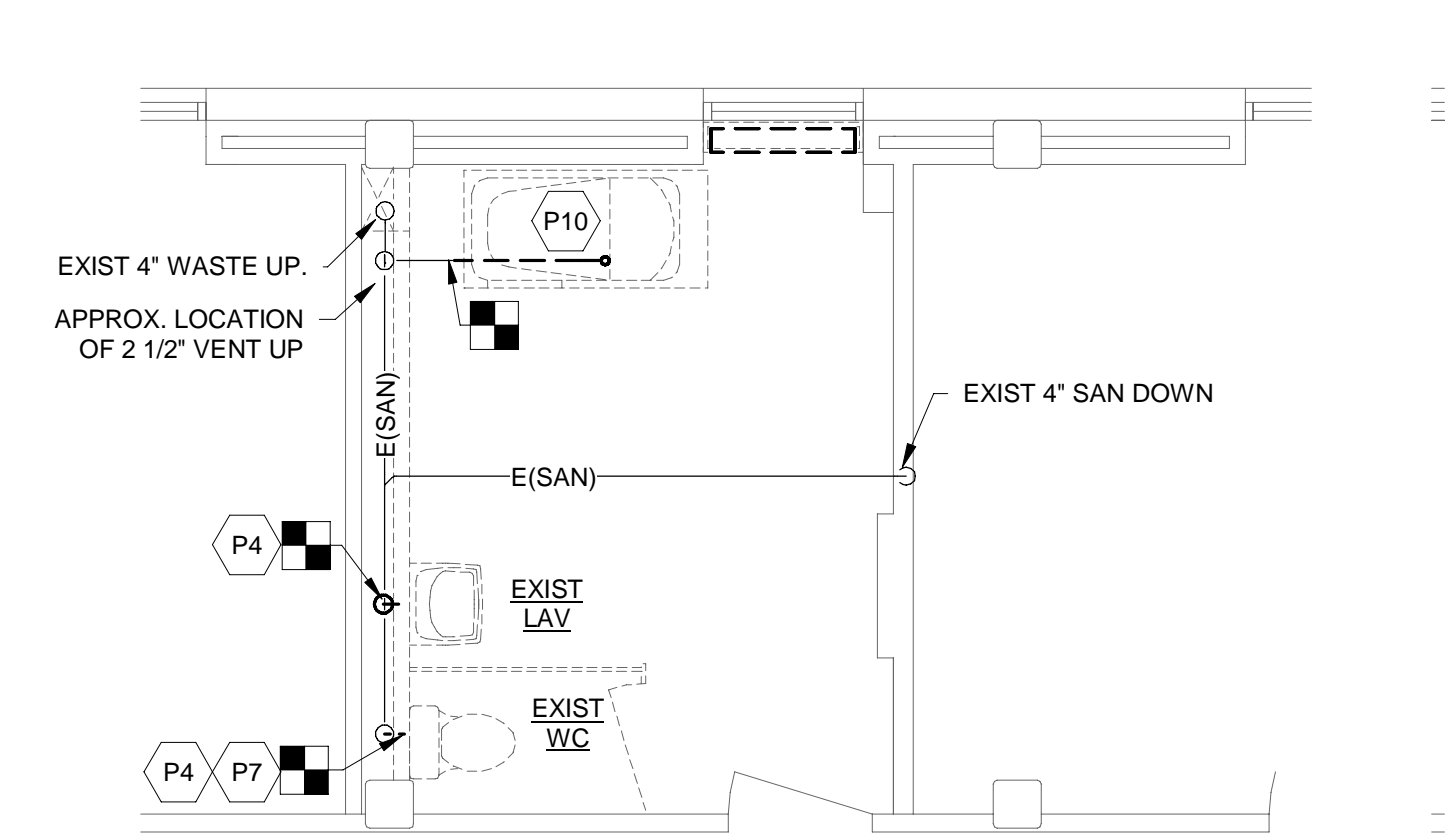
- P4 DISCONNECT FIXTURE FROM SANITARY WASTE/VENT PIPING. REMOVE PIPING BACK TO MAINS WITHIN CHASE.
- P7 REMOVE TOILET WALL CARRIER COMPLETE.
- P9 CUT INTO EXISTING SAN WASTE & VENT PIPING AND PIPE NEW BRANCH TO NEW FIXTURE.
- P10 REMOVE TUB HOSE DRAIN AND BELOW SLAB SANITARY PIPING AS SHOWN.
- P11 EXTEND NEW TUB HOSE DRAIN TO EXIST SANITARY CONNECTION AT FLOOR. FIELD VERIFY EXACT LOCATIONS WITH OFCI TUB.
- P12 EXTEND EXIST SAN TO NEW SHOWER DRAIN LOCATION.
- P13 REWORK EXIST SAN WASTE CONNECTION TO NEW TOILET.

GENERAL DEMOLITION NOTES

- A. RECORD DRAWINGS OF PLUMBING SYSTEMS WERE NOT AVAILABLE FOR REFERENCE ON THIS PROJECT. ALL BELOW SLAB PIPING LOCATIONS ARE UNKNOWN, AND SHOWN USING EXAMPLE PIPING ROUTES. CONTRACTOR SHALL INVESTIGATE EXISTING BELOW SLAB PIPING AND INCLUDE COST IN HIS BID FOR UNKNOWN CONDITIONS.

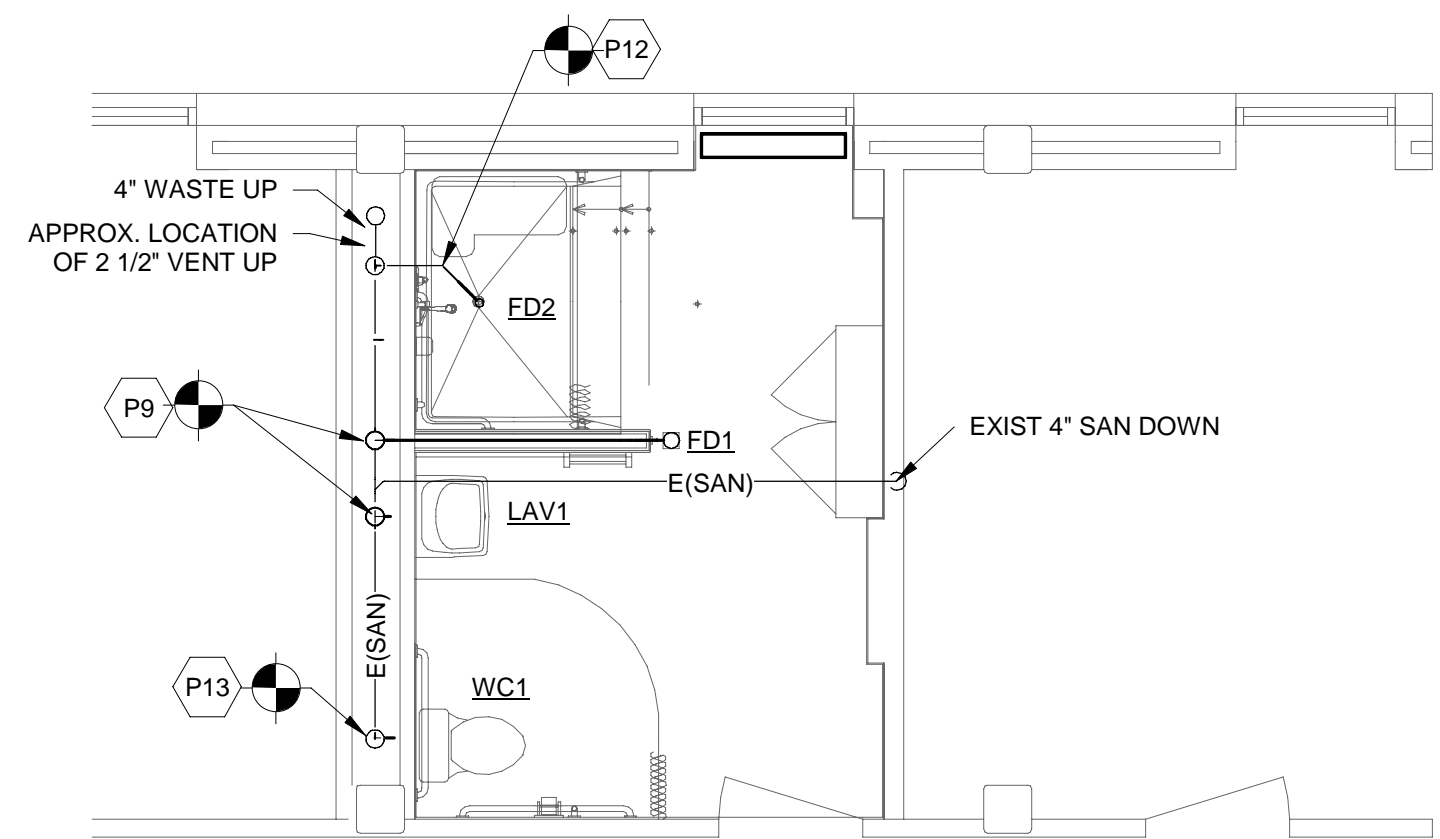
GENERAL NOTES

- A. FIRESTOP ALL PENETRATIONS THRU RATED WALL, FLOOR AND CEILING ASSEMBLIES BY A UL LISTED METHOD ACCEPTABLE TO AHJ.
- B. THIS FACILITY WILL REMAIN OCCUPIED FOR THE DURATION OF THE PROJECT. CONTRACTOR SHALL FIELD VERIFY IMPACT OF MEP SYSTEM SHUTDOWNS AFFECTING FLOORS ADJACENT TO, ABOVE, AND BELOW THE PROJECT AREA. COORDINATE ALL SYSTEM SHUTDOWNS WITH ARCHITECT & BUILDING OWNER MINIMUM 7 DAYS IN ADVANCE.
- C. THE PHASING INTENT OF THE PROJECT IS TO RENOVATE ONE FLOOR'S RESTROOM AT A TIME. CONTRACTOR SHALL LIMIT WHEN BOTH RESTROOMS ARE SHUT DOWN TO A MAXIMUM OF AN 8-HOUR PERIOD WHEN WORK WITHIN BOTH SPACES SIMULTANEOUSLY IS REQUIRED. OTHERWISE, AT LEAST ONE OF THE TWO RESTROOMS SHALL BE FUNCTIONAL FOR THE DURATION OF THE PROJECT.
- D. WORK WILL BE REQUIRED WITHIN PATIENT ROOM CEILING CAVITIES ON FIRST FLOOR AND SECOND FLOOR. COORDINATE ACCESS TO THESE PATIENT ROOMS WITH OWNER. REMOVE CEILINGS AS REQUIRED TO FACILITATE THE WORK NOTED HEREIN. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR ALL CEILING WORK. CONTRACTOR SHALL COORDINATE WITH ALL TRADES TO TEMPORARILY REMOVE DEVICES AS REQUIRED TO ACCOMMODATE THE CEILING REMOVAL. REINSTALL ANY TEMPORARILY REMOVED ITEMS BACK TO EXISTING CONDITIONS.
- E. CONTRACTOR SHALL PROVIDE TEMPORARY BARRIERS TO MITIGATE DUST & DEBRIS TRANSMISSION INTO NON PROJECT AREAS. ALSO PROVIDE TEMPORARY FLOOR, WALL PROTECTIONS, FURNITURE COVERINGS ETC. FOR ALL EXISTING TO REMAIN BUILDING COMPONENTS.



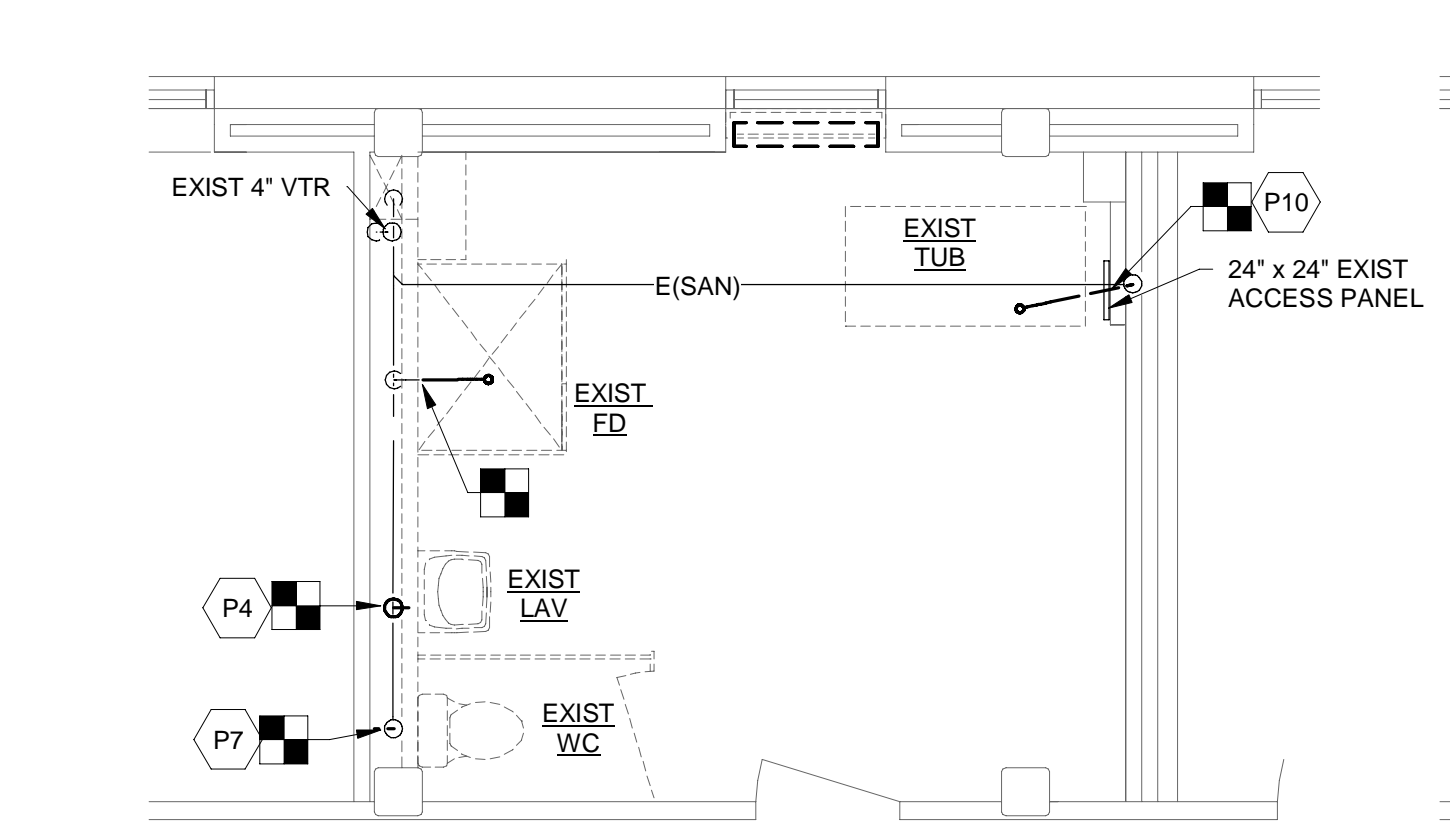
ENLARGED SANITARY DEMOLITION -
BATHROOM 243

1/4" = 1'-0"



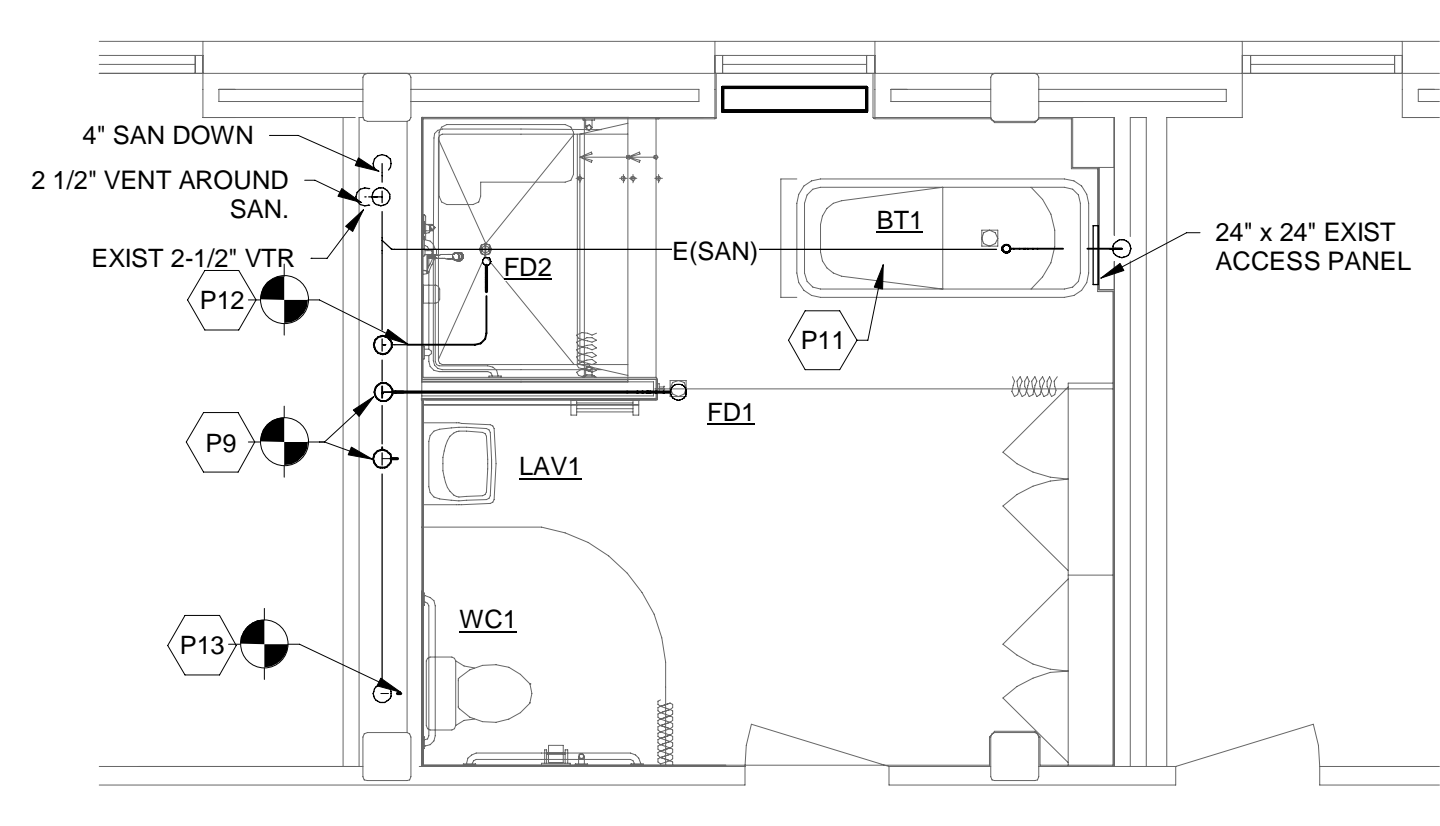
ENLARGED SANITARY PLAN -
BATHROOM 243

1/4" = 1'-0"



ENLARGED SANITARY DEMOLITION -
BATHROOM 336

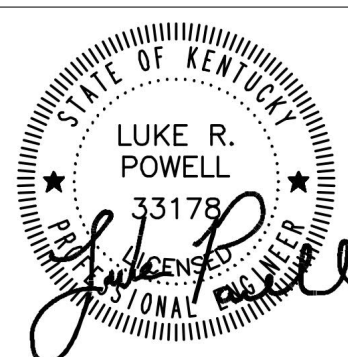
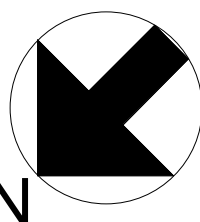
1/4" = 1'-0"



ENLARGED SANITARY PLAN -
BATHROOM 336

1/4" = 1'-0"

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



RENOVATION TO CENTRAL BATHS
SANSBURY CARE CENTER
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jea

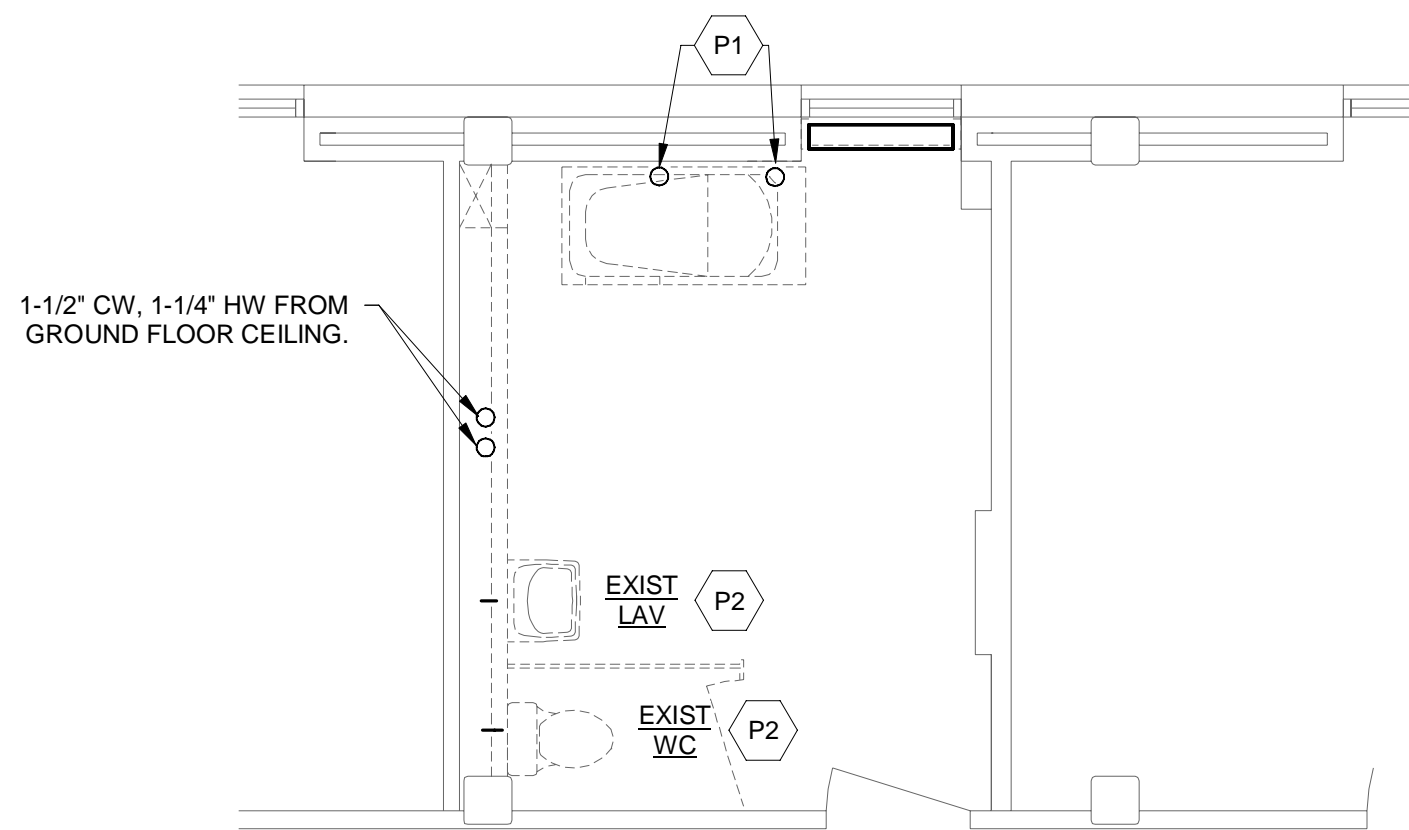
ENLARGED SANITARY PLANS

DATE	DRAWN BY	CHECKED	REVISIONS
8/14/2025	KAM	LRP	

SHEET NO.
P2.1

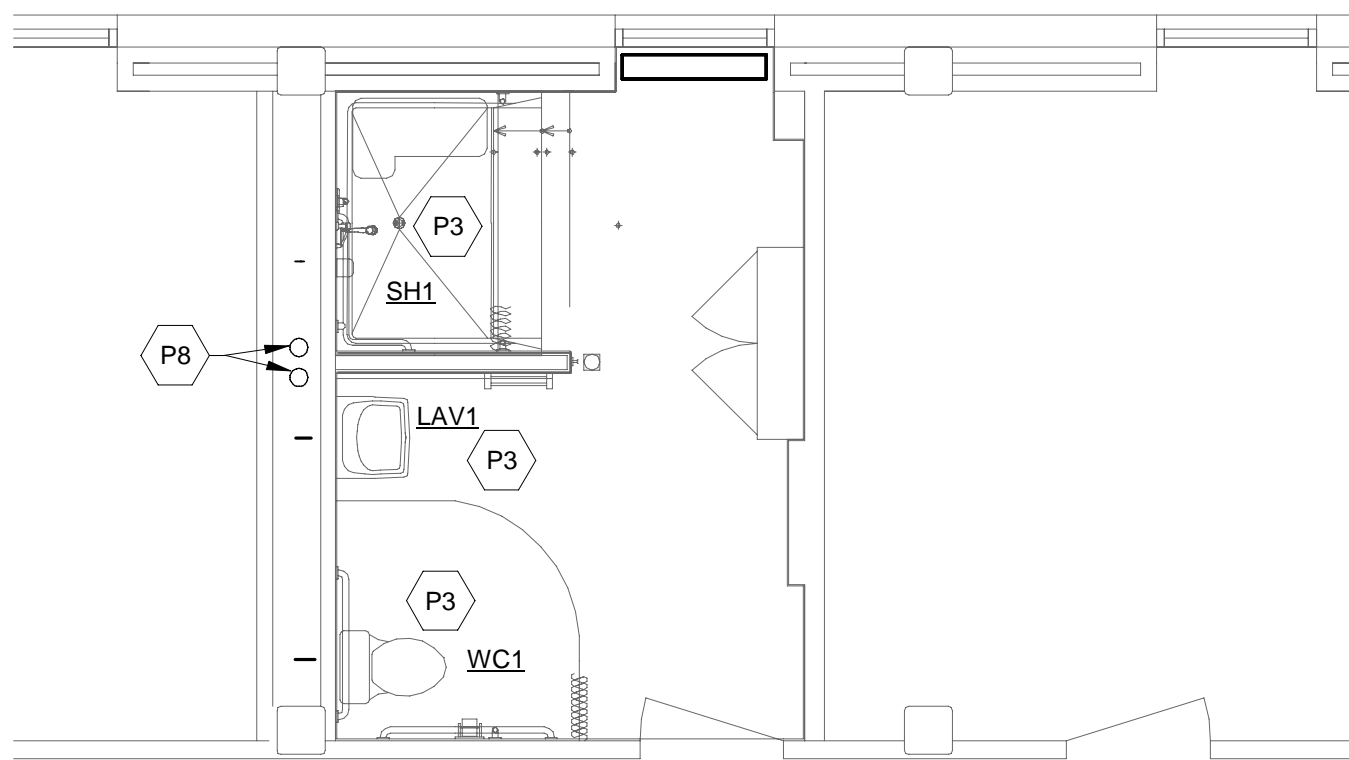
SHEET NOTES

- P1 REMOVE PIPING BACK TO CW/HW MAINS WITHIN CEILING BELOW AND PERMANENTLY CAP.
- P2 DISCONNECT CW/HW PIPING FROM FIXTURE AND REMOVE BACK TO MAIN WITHIN CHASE. PREP TO EXTEND UNDER NEW WORK TO NEW FIXTURE LOCATIONS.
- P3 EXTEND / REWORK EXISTING CW AND HW PIPING IN CHASE TO NEW FIXTURES CONCEALED. TYPICAL FOR EACH NEW FIXTURE.
- P8 PROVIDE NEW ISOLATION BALL VALVES ON EACH CW & HW BRANCH OFF THE MAIN CW/HW RISERS SUCH THAT THE RISER CAN BE PUT BACK IN USE FOR SERVING NON-PROJECT AREA FLOORS WHILE WORK IN THIS RESTROOM IS BEING COMPLETED. REWORK EXIST BRANCH PIPING AS REQUIRED AT EACH CW/HW RISER TO INSTALL VALVES. PROVIDE ACCESS PANEL WHERE REQUIRED FOR VALVE ACCESS.



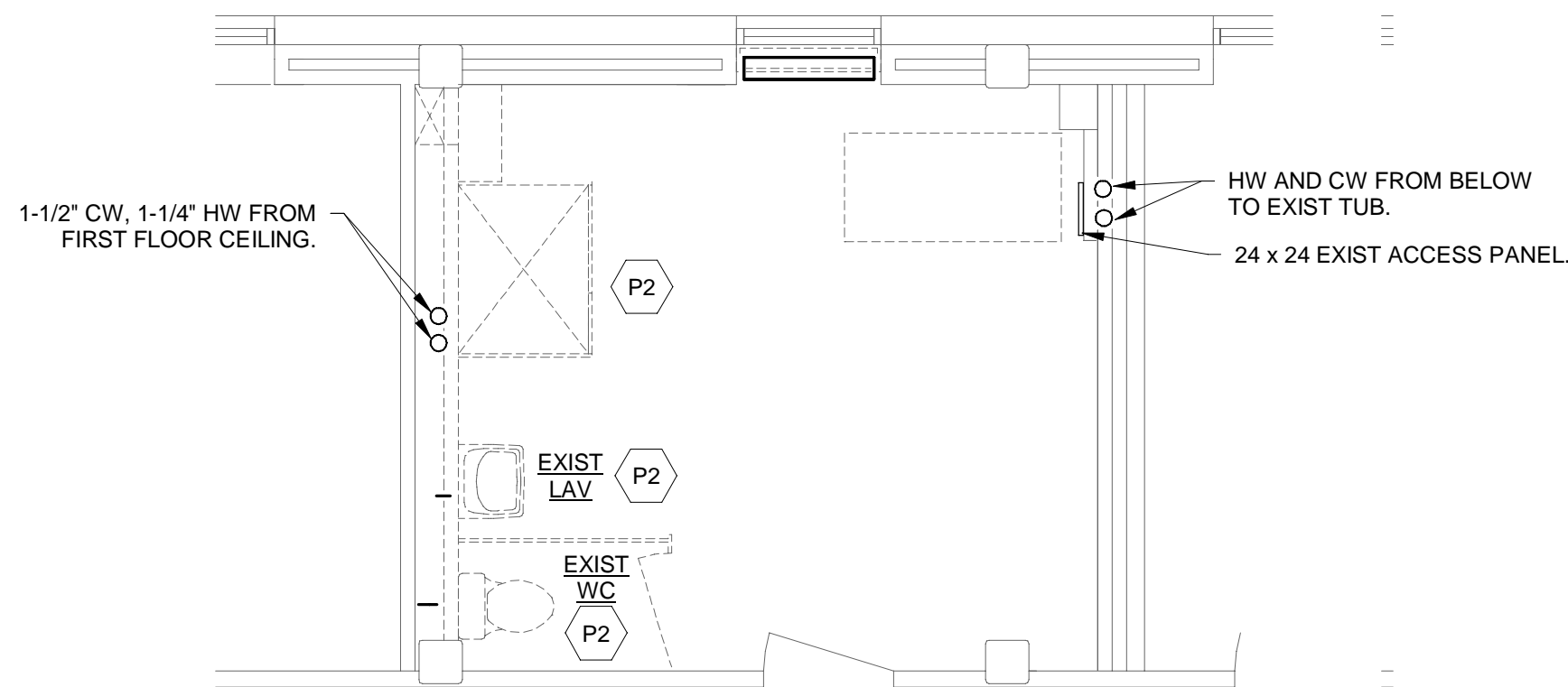
**ENLARGED DOMESTIC DEMOLITION -
BATHROOM 243**

1/4" = 1'-0"



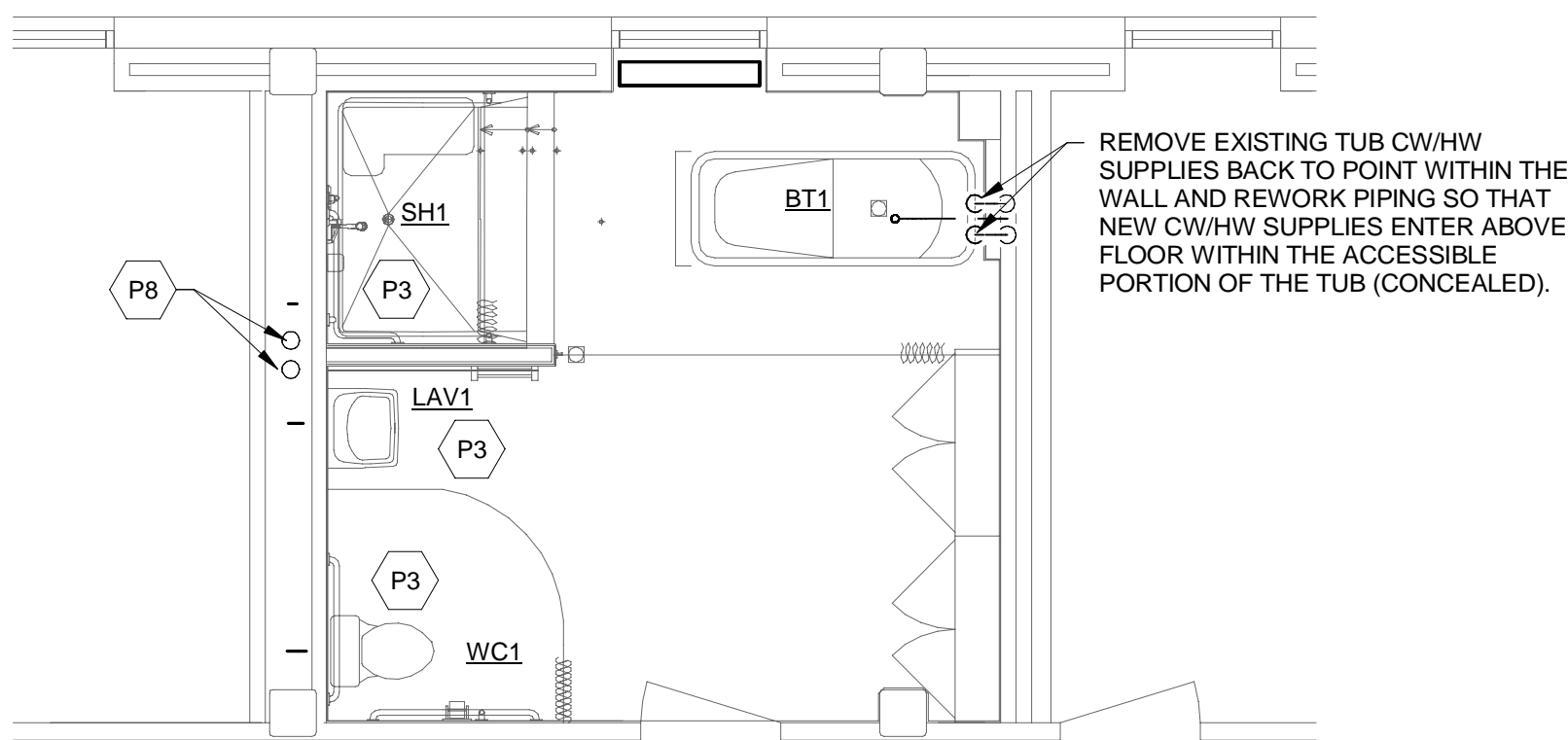
**ENLARGED DOMESTIC PLAN -
BATHROOM 243**

1/4" = 1'-0"



**ENLARGED DOMESTIC DEMOLITION -
BATHROOM 336**

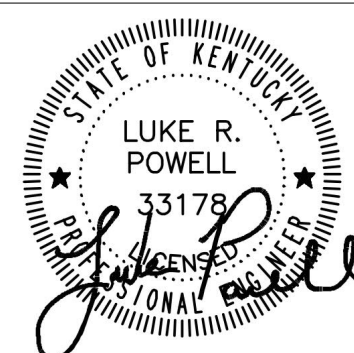
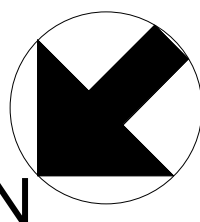
1/4" = 1'-0"



**ENLARGED DOMESTIC PLAN -
BATHROOM 336**

1/4" = 1'-0"

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



RENOVATION TO CENTRAL BATHS
SANSBURY CARE CENTER
ST. CATHERINE, KENTUCKY

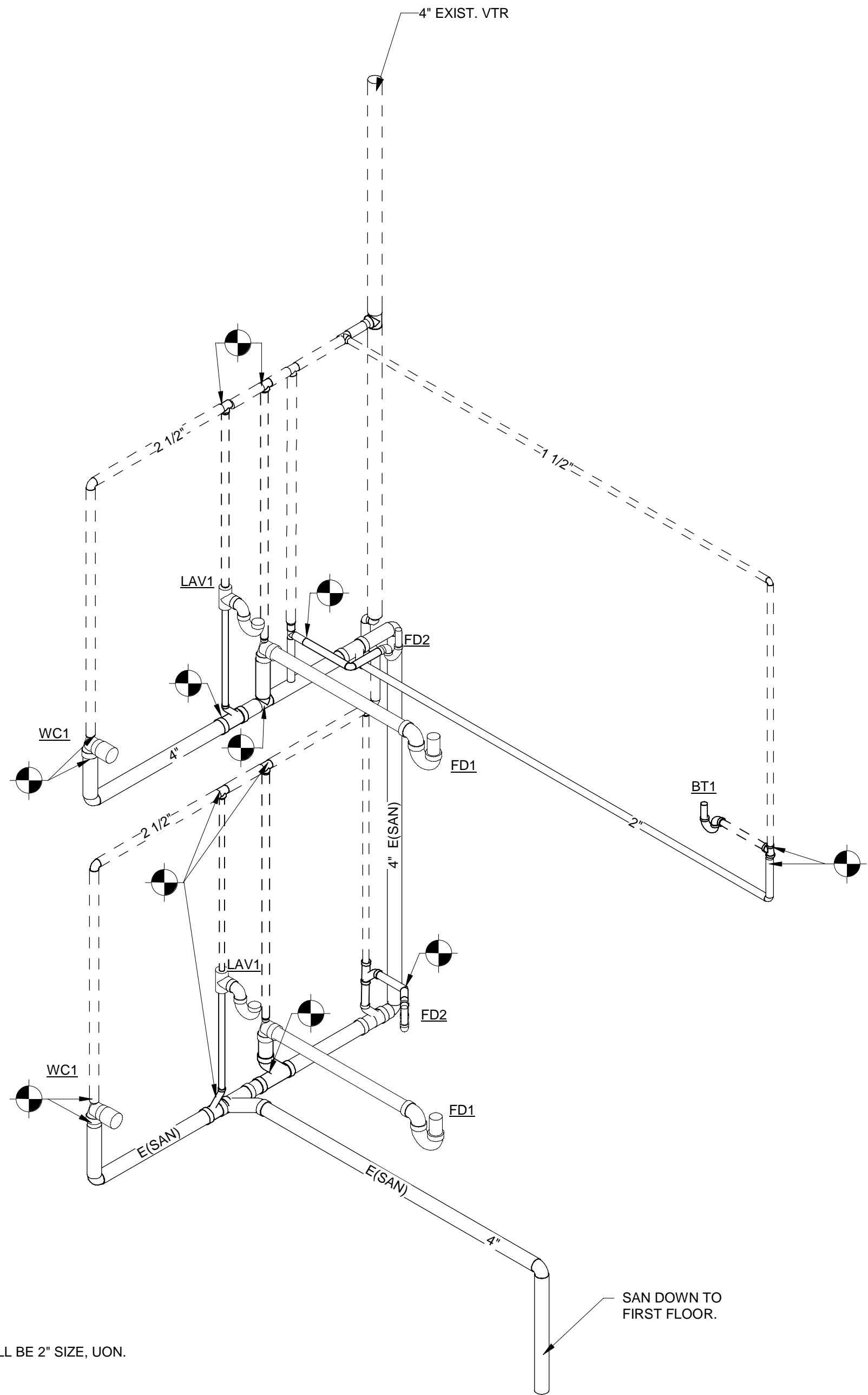
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ENLARGED DOMESTIC WATER PLANS

DATE	DRAWN BY	CHECKED	REVISIONS
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SHEET NO.
P2.2



**SANITARY AND VENT RISER DIAGRAM -
BATHROOMS 243 AND 336**

PLUMBING FIXTURE SCHEDULE								
FIXTURE ACCESSORIES:	1. ARRESTORS: PROVIDE ZURN 1700 SERIES "SHOKTROL" OR EQUAL WATER HAMMER ARRESTORS AT EACH FIXTURE OR FIXTURE GROUP. 2. TRAP SEALS: PROVIDE INLINE RUBBER TRAP SEAL EQUAL TO J.R. SMITH "QUAD CLOSE" ON ALL FLOOR DRAINS AND OPEN RECEPTACLES, UON. 3. SUPPLY STOPS (UON): ALL SUPPLY STOPS SHALL BE OF BRASS CONSTRUCTION, CHROME PLATED, 1/4 TURN, BRASS CRAFT KT SERIES OR APPROVED EQUAL. 4. ESCUTCHEONS (UON): PROVIDE ESCUTCHEON AT ALL FIXTURE SUPPLY WALL/CEILING/FLOOR PENETRATIONS, INCLUDING IN BASE CABINETS. ESCUTCHEONS SHALL BE SINGLE PIECE, CAST BRASS, CHROME PLATED FINISH. 5. SUPPLIES (UON): PROVIDE CHROME PLATED SOFT COPPER SUPPLIES WHERE SUPPLIES ARE EXPOSED TO VIEW. PROVIDE BRAIDED STAINLESS STEEL SUPPLIES WHERE CONCEALED WITHIN BASE CABINET, UON. 6. P-TRAP & TAILPIECE (UON): PROVIDE P-TRAP FOR EACH FIXTURE WHERE TRAP IS NOT INTEGRAL TO FIXTURE. P-TRAP AND TAILPIECE SHALL BE CHROME PLATED, CAST BRASS CONSTRUCTION. 7. DRAIN (UON): FOR ALL SINKS AND LAVATORIES, PROVIDE GRID DRAIN ASSEMBLY AND TAIL PIECE.							
	1. CAULKING: APPLY BEAD OF MILDEW RESISTANT SEALANT AROUND FULL PERIMETER OF TOILET AND URINAL AT FLOOR OR WALL; BASE AND SIDES OF MOP SINK; PERIMETER OF DROP-IN SINKS/LAVATORIES; PERIMETER OF SHOWER.							
GENERAL REMARKS:								
MARK	TYPE	CW	HW	WASTE	VENT	DESCRIPTION		IMAGE
BT1	OWNER FURNISHED, CONTRACTOR INSTALLED ACCESSIBLE			2"	1 1/2"	OWNER FURNISHED, CONTRACTOR INSTALLED WHEELCHAIR ACCESSIBLE 60" GEL COATED WHIRLPOOL BATHTUB WITH TUB FAUCET AND HANDHELD SHOWER. BASIS OF DESIGN TUB ASSEMBLY IS AVANO AV3060WCARA. THE TUB REQUIRES A 20-AMP, 120-VOLT CIRCUIT. CONTRACTOR SHALL PROVIDE ALL ACCESSORIES FOR A COMPLETE FUNCTIONING SYSTEM.		
FD1	FLOOR DRAIN, ADJUSTABLE TYPE WITH STRAINER			4"	1 1/2"	ZURN #Z415B ADJUSTABLE FLOOR DRAIN, NICKEL PLATED CAST BRASS STRAINER TOP. DRAIN BODY MATERIAL TO MATCH PIPING TYPE.		
FD2	2" FLOOR DRAIN, ADJUSTABLE			2"	1 1/2"	ZURN Z415-BZ1 ADJUSTABLE FLOOR DRAIN, NICKEL PLATED CAST BRASS SLOTTED TOP. DRAIN BODY MATERIAL TO MATCH PIPING TYPE.		
HB1	HOSE BIBB	1/2"				WOODFORD STANDARD BRASS 1/2" HOSE BIB, VACUUM BREAKER.		
LAV1	SINK, WALL-HUNG TYPE WITH GOOSENECK AND WRISTBLADES	1/2"	1/2"	1 1/2"	1 1/4"	AMERICAN STANDARD LUCERNE VITREOUS CHINA LAVATORY, 19"x17", CONTOURED SIDE AND BACK SPLASHES, FRONT OVERFLOW, 4" CENTERS, DELTA MODEL 2171-WBHHDF OR EQUAL CAST BRASS 11H X 4-1/8" L GOOSENECK FAUCET, POLISHED CHROME FINISH WITH 4" BRASS WRISTBLADES. PROVIDE WITH 0.5 GPM AERATOR. PROVIDE WITH MANUFACTURER'S FLOOR MOUNTED WALL CARRIER.		
SH1	SHOWER FAUCET	1/2"	1/2"	1 1/2"	1 1/2"	DIVERTER/SPRAY: PROVIDE ADA COMPLIANT SHOWER DIVERTER EQUAL TO BRADLEY MODEL HN300EF. PROVIDE SHOWER DRAIN 'FD2'. UNASSEMBLED IN-WALL SHOWER UNIT WITH LEVER CONTROL VALVE, 1.5 MAX GPM WALL MOUNTED SHOWER HEAD, HAND-HELD SHOWER SPRAY WITH FLOW CONTROL, BRACKET AND 60"x1/2" NPT STAINLESS STEEL. REFER TO ARCHITECTURAL DRAWINGS FOR ALL OTHER SHOWER STALL ACCESSORIES.		
WC1	WATER CLOSET, ADA COMPLIANT, WALL-HUNG TANK TYPE WITH MANUAL FLUSH	3/4"		4"	1 1/2"	AMERICAN STANDARD MODEL 2882107 OR EQUAL GLENWALL VORMAX WALL-HUNG TOILET TYPE WALL HUNG TANK-TYPE WATER CLOSET, WHITE VITREOUS CHINA, SIPHON JET FLUSH ACTION, WATER SAVER 1.28 GPF, ELONGATED BOWL, OPEN FRONT ALL PLASTIC WHITE COLOR SEAT, NO COVER. PROVIDE WITH MANUFACTURER'S FLOOR MOUNTED WALL CARRIER.		

PLUMBING MATERIAL SPECIFICATIONS

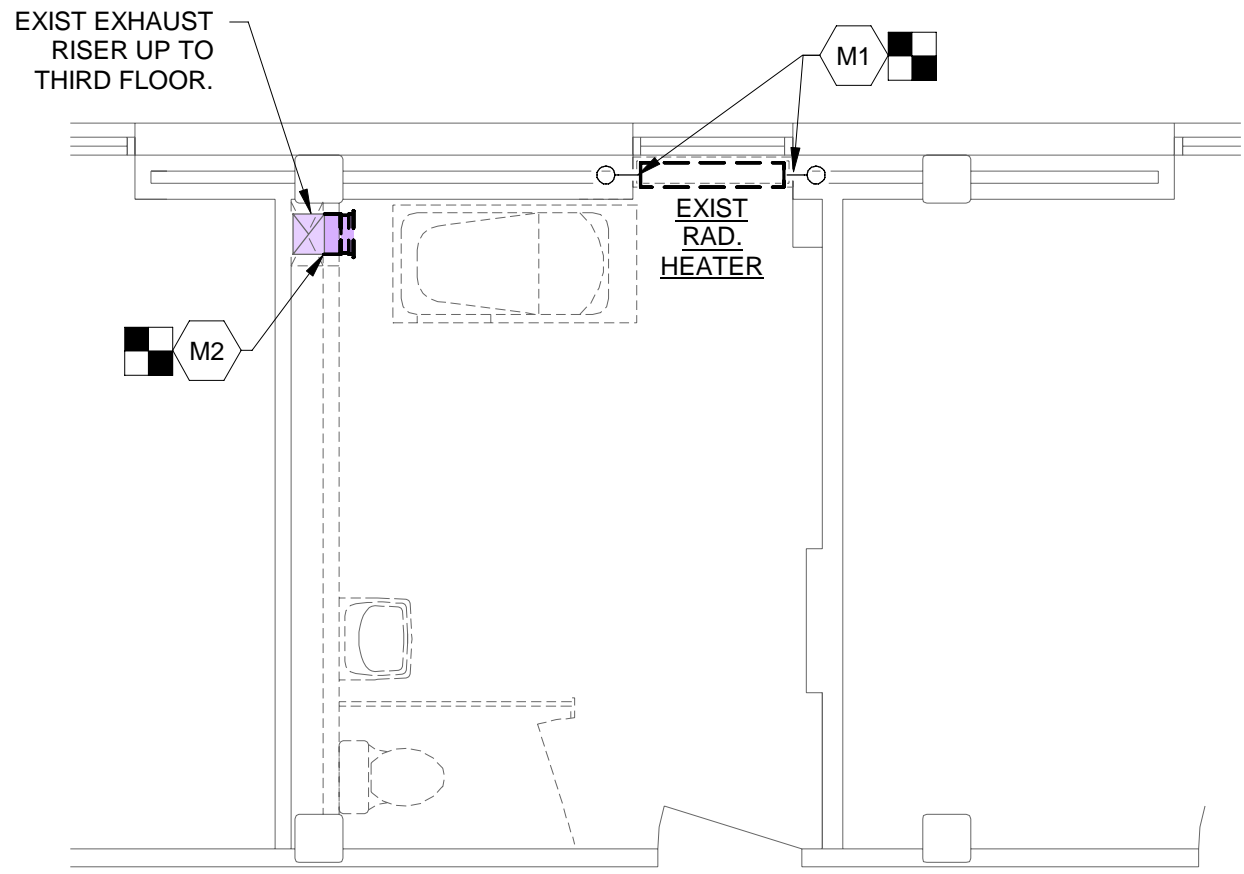
- A. REFER TO MECHANICAL LEGEND AND NOTES DRAWING FOR FURTHER REQUIREMENTS.
- B. PLUMBING PIPING SHALL BE AS FOLLOWS:
- a. DOMESTIC WATER PIPING SHALL BE TYPE L COPPER WITH SWEAT OR PRESS-FIT FITTINGS.
 - b. SUPPORT ALL PIPING ALONG LENGTH AS RECOMMENDED BY PIPING MFR.
 - c. ALL NEW SANITARY WASTE AND VENT PIPING SHALL BE SCHEDULE 40 PVC WITH SOLVENT WELDED JOINTS.
 - d. ALL DOMESTIC WATER PIPING INSULATION SHALL BE FIBERGLASS WITH ALL SERVICE JACKET. DOMESTIC COLD WATER PIPING INSULATION SHALL BE MINIMUM 1/2" THICK AND ALL DOMESTIC HOT WATER PIPING SHALL BE MINIMUM 1" THICK.
 - e. BALL VALVES SHALL BE FULL PORT TWO-PIECE BRASS OR BRONZE CONSTRUCTION.
- C. FIRESTOP ALL PENETRATIONS THRU RATED WALL, FLOOR AND CEILING ASSEMBLIES BY A UL LISTED METHOD ACCEPTABLE TO AHJ.

SHEET NOTES

- M1 REMOVE WALL MOUNTED RADIATOR COMPLETE AND PREP HWS/R PIPING FOR RECONNECTION.
- M2 REMOVE WALL MOUNTED EXHAUST FAN AND SIDEWALL GRILLE COMPLETE. PROVIDE SM PATCH WITH DUCT SEALANT.
- M3 EXTEND NEW EA DUCT ABOVE CEILING TO NEW CEILING EXHAUST GRILLE.
- M4 PROVIDE NEW WALL MOUNTED HOT WATER RADIATOR. EXTEND NEW 3/4" HWS/R PIPING TO RADIATOR CONNECTIONS. REFER TO PIPING DETAIL AND SCHEDULE FOR ADDITIONAL INFORMATION.
- M5 REMOVE ROOFTOP TURBINE EXHAUST OUTLET SERVING EXHAUST RISER. PATCH ROOF OPENING WEATHERTIGHT.
- M6 PROVIDE ROOFTOP EXHAUST FAN ON NEW ROOF CURB IAW DETAIL. INSTALL FAN MINIMUM 10'-0" FROM ROOF EDGE.
- M7 PROVIDE DUCT TRANSITION FROM EXISTING EXHAUST RISER IN CHASE AND EXTEND ABOVE THIRD FLOOR CEILING AS SHOWN.

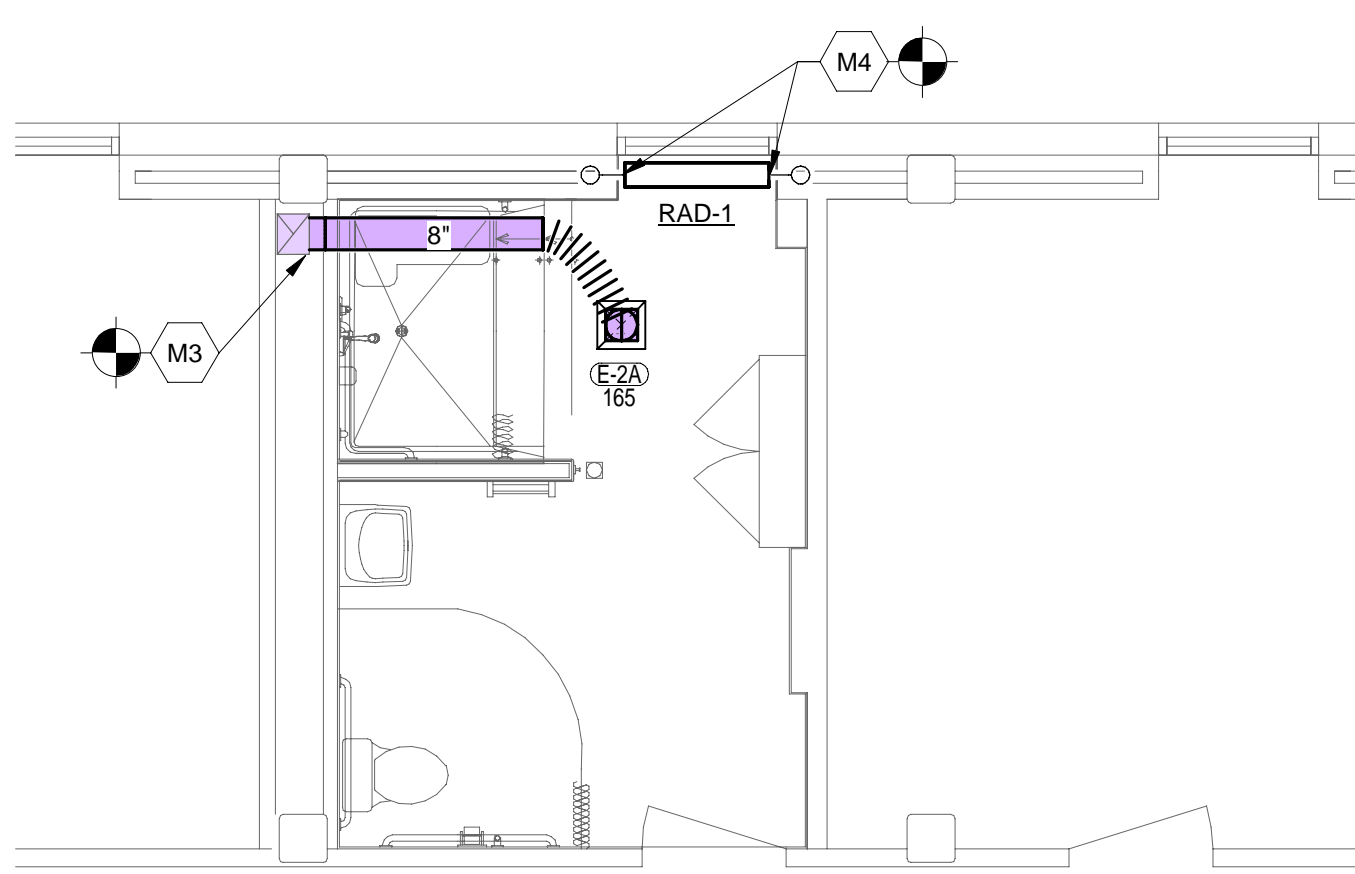
GENERAL NOTES

- A. UNLESS OTHERWISE NOTED, PATCH SURFACE(S) TO MATCH ADJOINING CONSTRUCTION AND FINISH FOR ANY ITEMS REMOVED BY THIS CONTRACTOR IN EXISTING TO REMAIN WALLS, CEILINGS, FLOORS, ETC. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- B. ALL PIPING SHALL BE TESTED BEFORE INSULATED OR CONCEALED IN ANY MANNER. WHERE LEAKS OR DEFECTS DEVELOP, REQUIRED CORRECTIONS SHALL BE MADE AND TESTS REPEATED UNTIL SYSTEMS ARE PROVEN SATISFACTORY.
- C. REFER TO PIPING SCHEMATICS FOR ADDITIONAL VALVING AND PIPE SIZING.
- D. ALL RADIUS DUCT ELBOWS SHALL BE LONG RADIUS TYPE (INSIDE ELBOW RADIUS EQUAL TO DUCT WIDTH/DIAMETER). ALL SQUARE ELBOWS SHALL HAVE TURNING VANES. SQUARE NECK RADIUS BACK ELBOWS ARE UNACCEPTABLE. REFER TO DETAILS.
- E. THIS FACILITY WILL REMAIN OCCUPIED FOR THE DURATION OF THE PROJECT. CONTRACTOR SHALL FIELD VERIFY IMPACT OF MEP SYSTEM SHUTDOWNS AFFECTING FLOORS ADJACENT TO, ABOVE, AND BELOW THE PROJECT AREA. COORDINATE ALL SYSTEM SHUTDOWNS WITH ARCHITECT & BUILDING OWNER MINIMUM 7 DAYS IN ADVANCE.
- F. THE PHASING INTENT OF THE PROJECT IS TO RENOVATE ONE FLOOR'S RESTROOM AT A TIME. CONTRACTOR SHALL LIMIT WHEN BOTH RESTROOMS ARE SHUT DOWN TO A MAXIMUM OF AN 8-HOUR PERIOD WHEN WORK WITHIN BOTH SPACES SIMULTANEOUSLY IS REQUIRED. OTHERWISE, AT LEAST ONE OF THE TWO RESTROOMS SHALL BE FUNCTIONAL FOR THE DURATION OF THE PROJECT.
- G. WORK WILL BE REQUIRED WITHIN PATIENT ROOM CEILING CAVITIES ON FIRST FLOOR AND SECOND FLOOR. COORDINATE ACCESS TO THESE PATIENT ROOMS WITH OWNER. REMOVE CEILINGS AS REQUIRED TO FACILITATE THE WORK NOTED HEREIN. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR ALL CEILING WORK. CONTRACTOR SHALL COORDINATE WITH ALL TRADES TO TEMPORARILY REMOVE DEVICES AS REQUIRED TO ACCOMMODATE THE CEILING REMOVAL. REINSTALL ANY TEMPORARILY REMOVED ITEMS BACK TO EXISTING CONDITIONS.
- H. CONTRACTOR SHALL PROVIDE TEMPORARY BARRIERS TO MITIGATE DUST & DEBRIS TRANSMISSION INTO NON PROJECT AREAS. ALSO PROVIDE TEMPORARY FLOOR, WALL PROTECTIONS, FURNITURE COVERINGS ETC. FOR ALL EXISTING TO REMAIN BUILDING COMPONENTS.



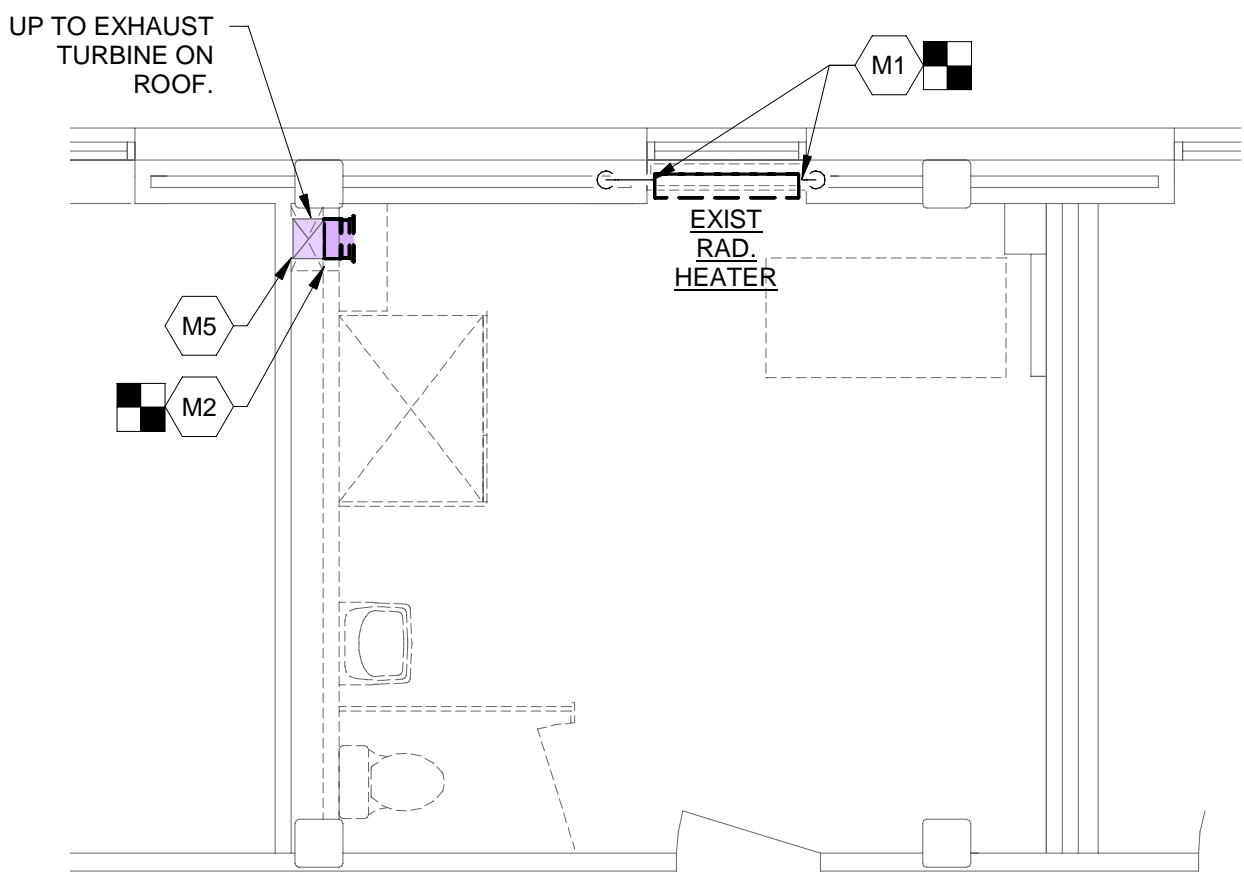
ENLARGED MECHANICAL DEMOLITION -
BATHROOM 243

1/4" = 1'-0"



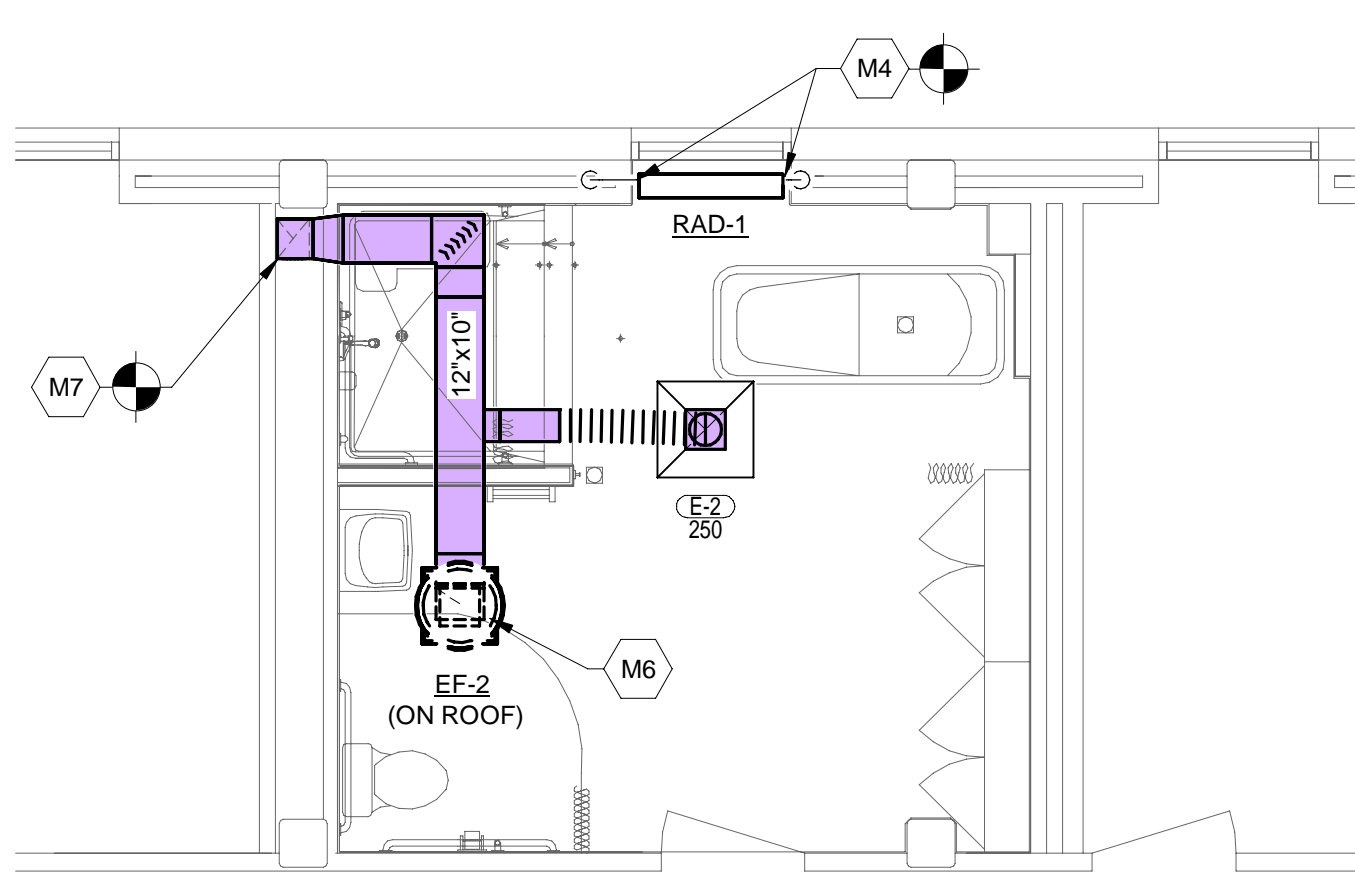
ENLARGED MECHANICAL PLAN -
BATHROOM 243

1/4" = 1'-0"



ENLARGED MECHANICAL DEMOLITION -
BATHROOM 336

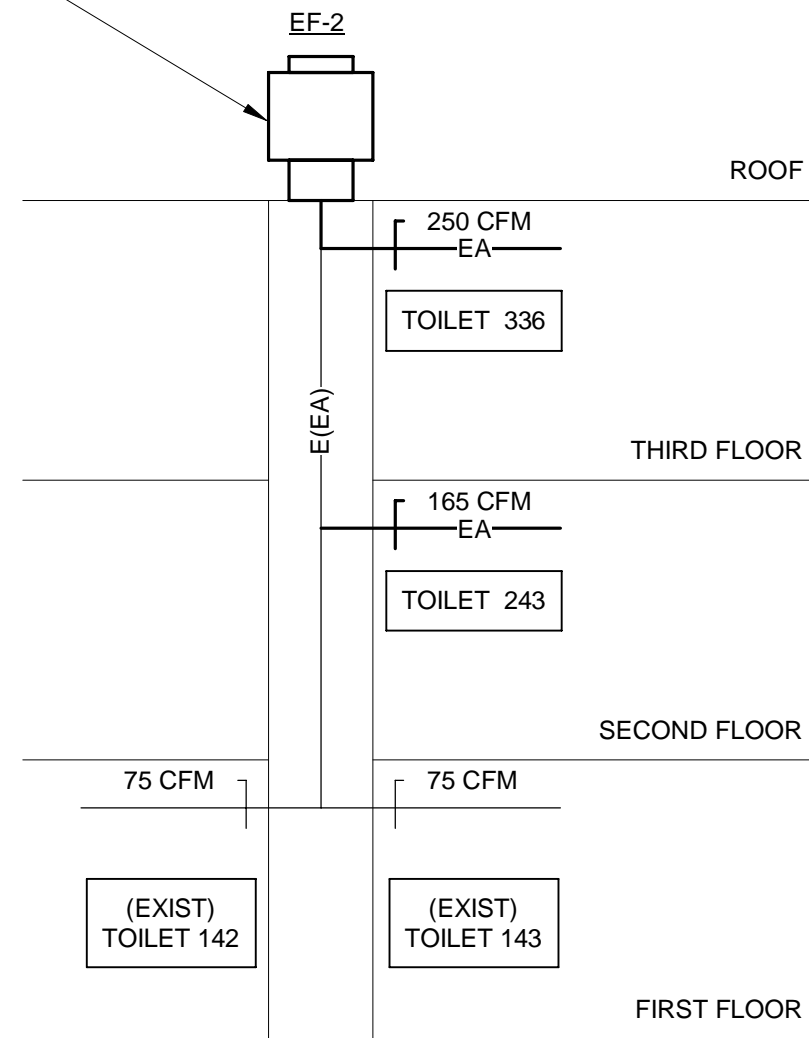
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ENLARGED MECHANICAL PLAN-
BATHROOM 336

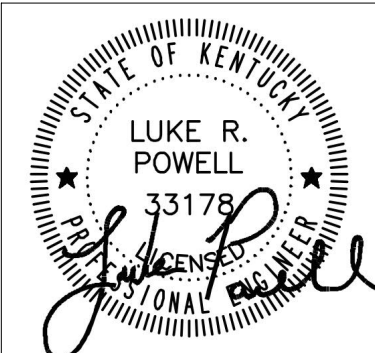
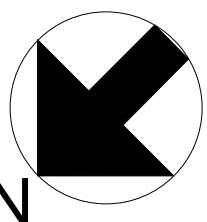
1/4" = 1'-0"

BALANCE ALL GRILLES SERVED BY
THE NEW EXHAUST FAN TO CFM
INDICATED BELOW.







EXHAUST RISER AIRFLOW SCHEMATIC

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



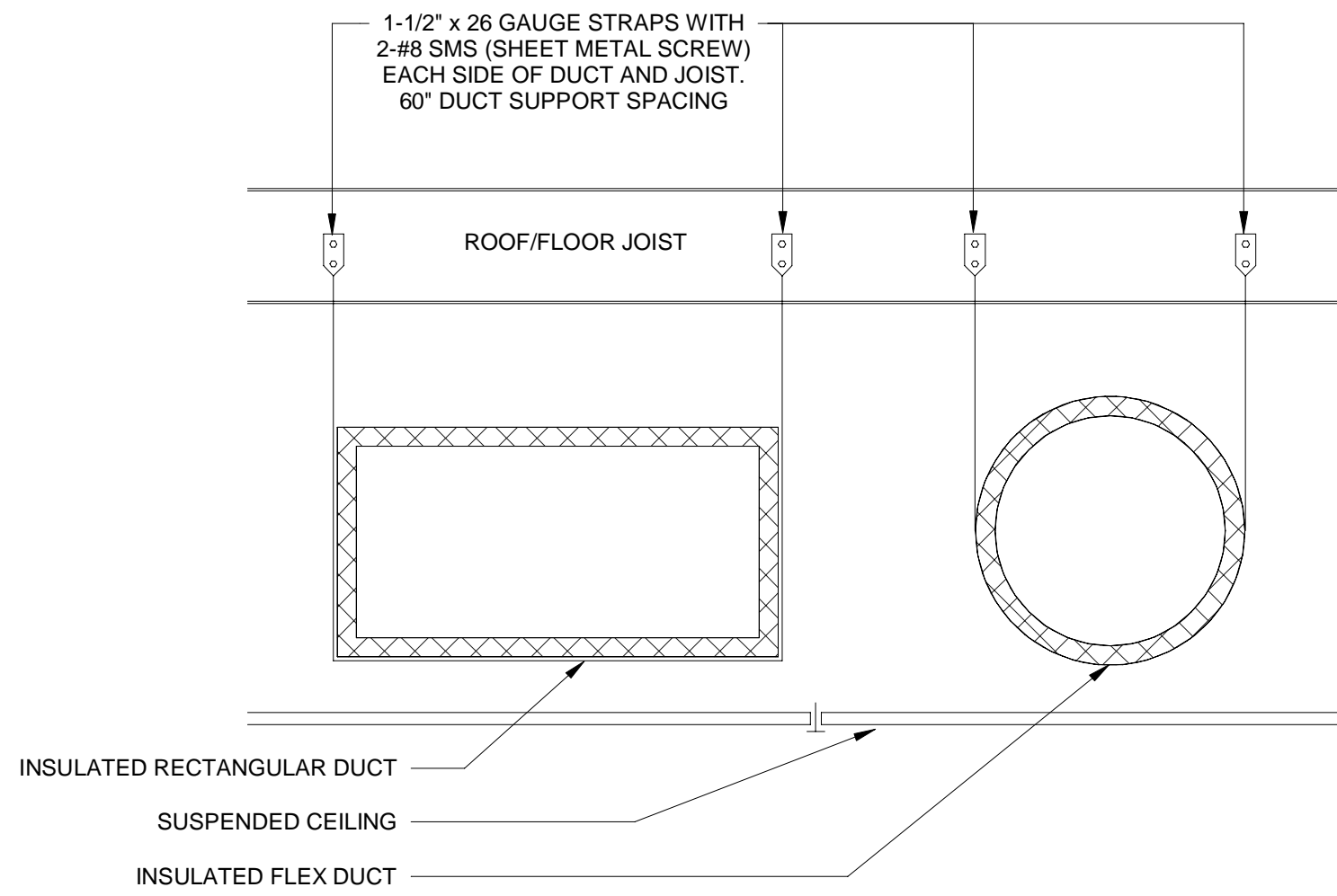
RENOVATION TO CENTRAL BATHS SANSBURY CARE CENTER ST. CATHERINE, KENTUCKY			
johnson • early • architects 131 prosperous place, suite 19b • lexington, kentucky 40509 phone: 859-259-1515 • fax: 859-231-5060 • e-mail: earlyjb@jeearchitects.net			
ENLARGED MECHANICAL PLANS			
DATE 8/14/2025	DRAWN BY TRC	CHECKED LRP	REVISIONS
19051.00			SHEET NO. M2.1



DIMENSION OF LONGEST SIDE, INCHES	SHEET METAL GAUGE (ALL FOUR SIDES)	TRANSVERSE REINFORCING					
		MINIMUM REINFORCING ANGLE SIZE AND MAXIMUM LONGITUDINAL SPACING BETWEEN TRANSVERSE JOINT & /OR INTERMEDIATE REINFORCING	AT JOINTS				
			MIN. H. IN.				
				PLAIN S SLIP	HEMMED S SLIP	ALTERN'T BAR SLIP	REIN-FORCED BAR SLIP
			RECOMMENDED GAUGE	RECOMMENDED GAUGE	RECOMMENDED GAUGE	RECOMMENDED GAUGE	
UP THRU 12	26	NONE REQUIRED	1	26	26	24	24
13 - 18	24	NONE REQUIRED	1	24	24	24	24
19 - 30	24	1" X 1" X 1/8" @ 60 IN	1		24	24	24
31 - 42	22	1" X 1" X 1/8" @ 60 IN	1			22	22

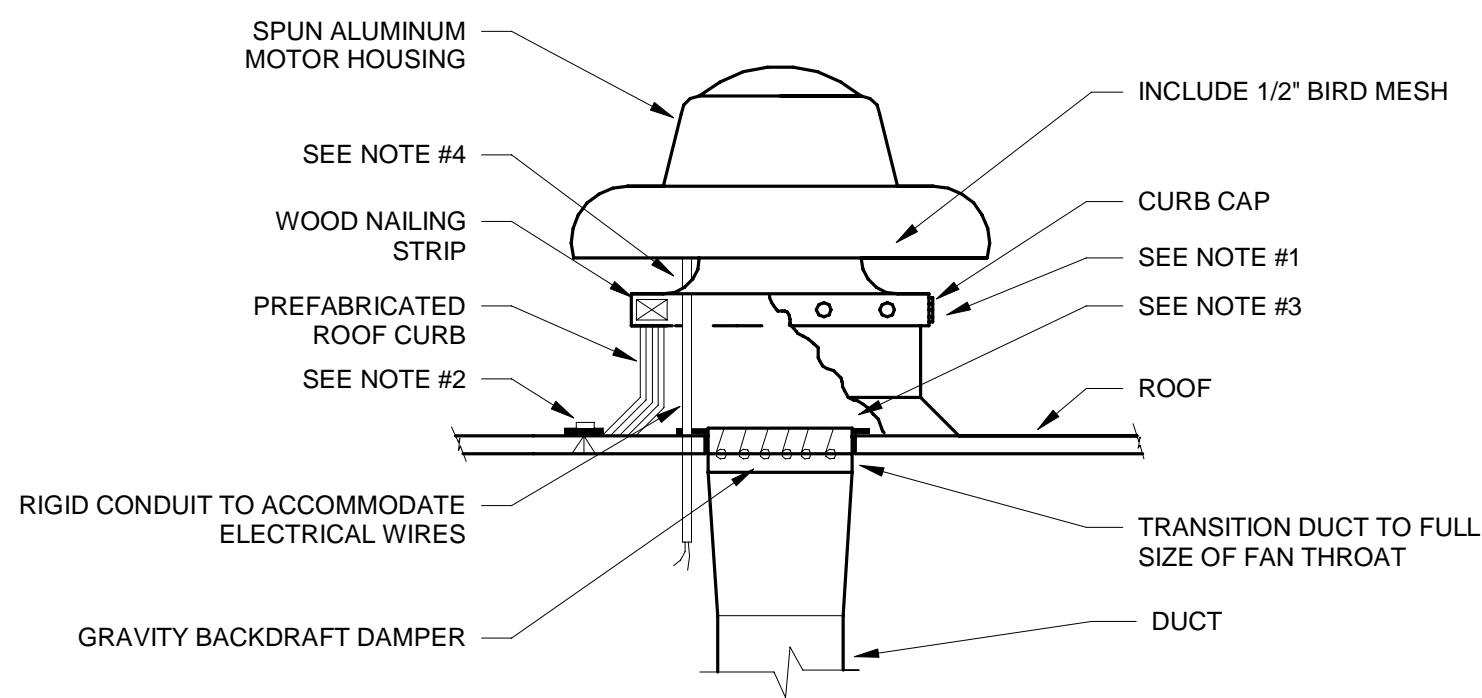
NOTE: TRANSVERSE REINFORCING SIZE IS DETERMINED BY DIMENSION OF SIDE TO WHICH ANGLE IS APPLIED.

4 DUCT CONSTRUCTION DETAIL



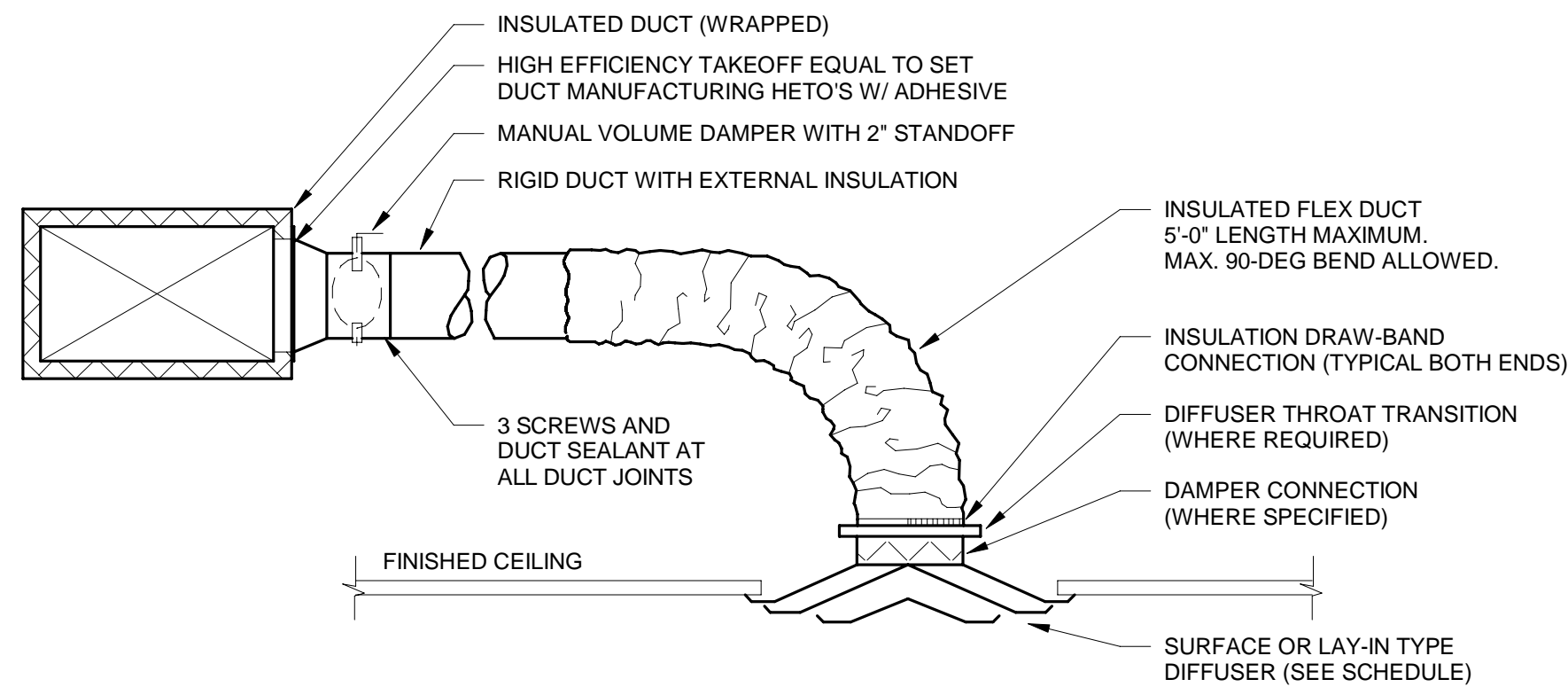
5 DUCT SUPPORT DETAIL

NOT TO SCALE



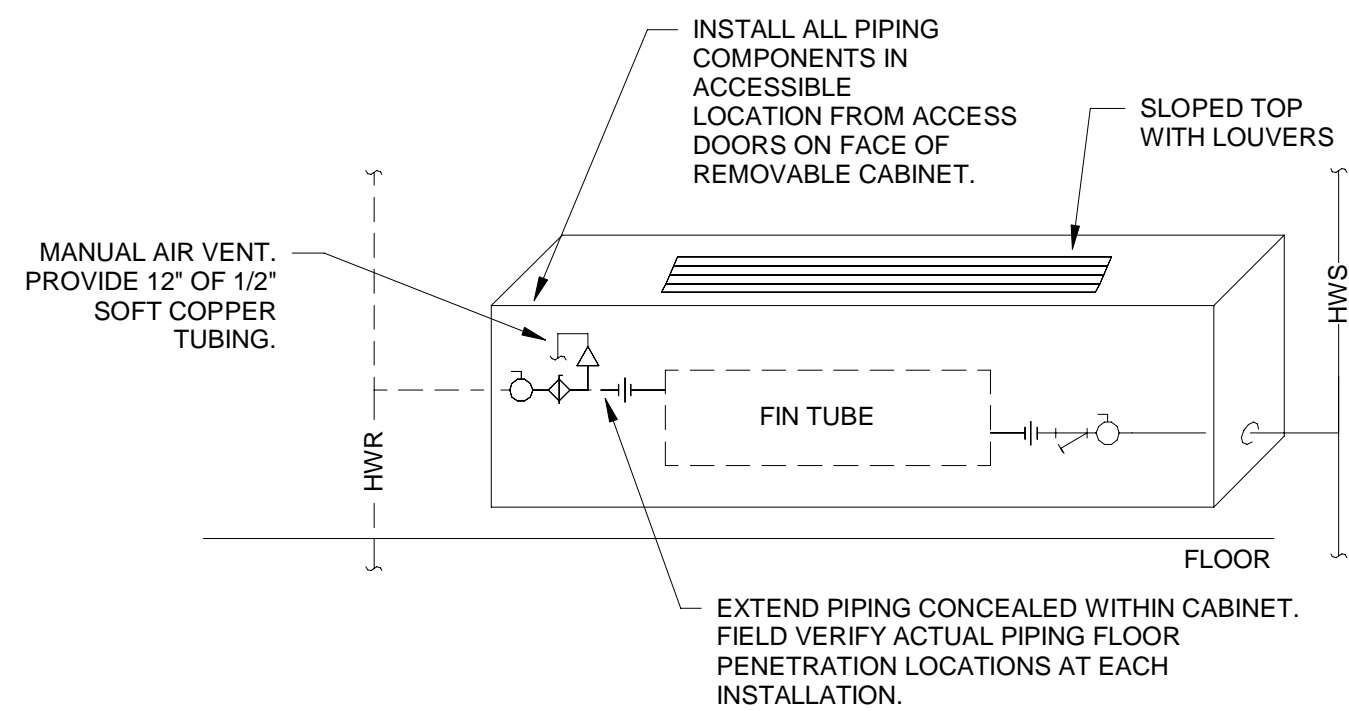
- NOTES:
1. SECURE CURB CAP TO TREATED WOOD NAILING STRIP WITH 3/8" CADMIUM PLATED LAG BOLTS NOT OVER 12" ON CENTER.
 2. SECURE ROOF CURB, DUCTWORK AND DAMPER TO ROOF WITH EXPANSION BOLTS (CONCRETE ROOF) OR RUST RESISTANT BOLTS (METAL DECK AND BAR JOIST ROOF).
 3. SIZE OF DUCT THROUGH ROOF SHALL NOT BE LARGER THAN CURB SUPPLIED WITH ROOF VENTILATOR. BACKDRAFT DAMPER SHALL BE SAME SIZE AS FAN THROAT.
 4. RUN ELECTRIC LINES THROUGH CLEARANCE HOLE PROVIDED IN GRAVITY DAMPER, THEN THROUGH VENTILATOR ELECTRICAL CONDUIT GUIDE. PROVIDE MEANS OF DISCONNECT INSIDE FAN HOUSING.

1 ROOFTOP EXHAUST FAN DETAIL



2 TYPICAL RUNOUT DETAIL

NOT TO SCALE



3 HOT WATER RADIATOR PIPING DETAIL

AIR TERMINAL SCHEDULE

1. FINISH TO BE SELECTED BY ARCHITECT/OWNER. COORDINATE MOUNTING WITH CEILING TYPES. - i.e. WIDE GRID, NARROW GRID, DRY WALL, PLASTER, ETC.
2. MAXIMUM DIFFUSER NC = 35
3. PROVIDE DUCT TO DIFFUSER/GRILLE THROAT TRANSITION AS REQUIRED.
4. PROVIDE LAY-IN MODULE PANEL FOR ALL DEVICES NOT INDICATED AS SURFACE MOUNTED.
5. SUFFIX "A" INDICATED SURFACE MOUNTED DEVICE.
6. PROVIDE INTEGRAL OPPOSED BLADE FACE DAMPER FOR SURFACE MOUNTED DEVICES.

MARK	MANUFACTURER	MODEL	DESCRIPTION	GRILLE SIZE	PANEL SIZE	RUNOUT	CFM	AIR PATTERN	REMARKS
E-2	TITUS	350FL	ALUM. 45° FIXED BLADE PARALLEL TO LONG DIM.	1' - 0" x 1' - 0"	2'-0" x 2'-0"	8" U.O.N.	0 - 250	--	1,2,3,4
E-2A	TITUS	350FL	ALUM. 45° FIXED BLADE PARALLEL TO LONG DIM.	1' - 0" x 1' - 0"	SEE PLANS	8" U.O.N.	0 - 250	--	1,2,3,4,5

EXHAUST FAN SCHEDULE

1. PROVIDE WITH FAN MANUFACTURER'S RUBBER VIBRATION ISOLATION SUSPENSION KIT.
2. PROVIDE WITH SOLID STATE SPEED CONTROL BY FAN MANUFACTURER FOR INTERNAL MOUNTING.
3. PROVIDE FAN WITH INTEGRAL BACKDRAFT DAMPER.
4. FAN TO START AND STOP VIA LIGHTING OCCUPANCY SENSOR.
5. FAN TO START AND STOP VIA THERMOSTAT.
6. FAN TO START AND STOP VIA WALL SWITCH
7. FAN TO RUN CONTINUOUS.
8. UNLESS OTHERWISE NOTED IN SPECIFICATIONS, ACCEPTABLE ALTERNATE MANUFACTURER IS PRICE. EQUIPMENT BY OTHER MANUFACTURERS NOT LISTED MUST BE SUBMITTED FOR ENGINEER'S WRITTEN APPROVAL PRIOR TO BIDDING.

MARK	MANUFACTURER	MODEL	AREA SERVED	EA CFM	RUNOUT SIZE	ESP	RPM	HP	VOLT/PH	SONES	REMARKS
EF-2	GREENHECK	CUE-100-VG	RESTROOM RISER	650	SEE PLANS	0.50 in-wg	1212	1/4	120 V/1PH	6.2	1,2,3,7,8

HOT WATER RADIATOR










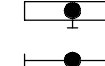



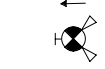

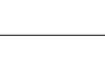

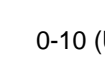
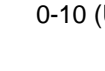
































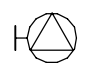
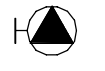
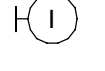
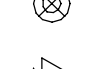
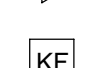
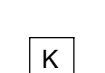

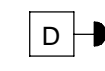

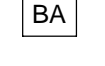


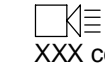
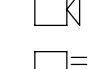


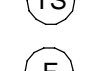


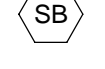
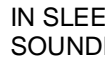
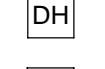
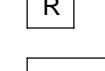
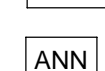

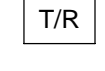
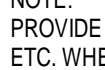
1. SLOPED TOP, BRONZE HEADER WITH 3/4" NPT CONNECTIONS, COPPER TUBE, ALUMINUM FINNS, BAKED POWDER COAT FINISH.
2. FRONT COVER SHALL BE REMOVABLE FOR ACCESS TO PIPING CONNECTIONS.
3. 24" WIDE COIL. FIELD VERIFY LEFT/RIGHT HAND COIL CONNECTION ORIENTATION PRIOR TO ORDERING.
4. FIELD VERIFY EXIST CABINET DIMENSIONS PRIOR TO ORDERING. NEW RADIATOR SHALL MATCH EXISTING DIMENSIONS.
5. 8" END POCKETS EACH SIDE FOR PIPE ACCESSORY INSTALLATION.

MARK	MODEL	MANUFACTURER	CABINET DIMENSIONS	TUBES PER ELEMENT	GPM	EWI / LWT (°F)	WPD (FT.)	HTG. CAPACITY (MBH)	REMARKS
RAD-1	SFA-8	STERLING	40"L x 8.25"D x 32"H	4	1	160/150	0.2	4.43	ALL

MECHANICAL SPECIFICATIONS

- A. CERTIFIED AIR (AND HYDRONIC, WHERE SYSTEMS ARE PRESENT) TEST AND BALANCE REPORT BY AN INDEPENDENT, NEBB OR AABC CERTIFIED TAB CONTRACTOR. AIR BALANCE SHALL INCLUDE NEW AND MODIFIED MAIN DUCTS, BRANCH DUCTS, DIFFUSERS, REGISTERS, AND GRILLES, HVAC EQUIPMENT AND FANS. BALANCE EACH NEW RADIATOR.
- B. NEW HEATING HOT WATER SUPPLY & RETURN PIPING SHALL BE TYPE L COPPER WITH SWEAT OR PRESS-FIT FITTINGS.
- C. INSULATE ALL HEATING HOT WATER SUPPLY & RETURN PIPING IAW ENERGY CODE. PROVIDE 1-1/2" THICK FIBERGLASS INSULATION WITH ALL SERVICE.
- D. FIRESTOP ALL PENETRATIONS THROUGH RATED ASSEMBLIES WITH A UL LISTED METHOD ACCEPTABLE TO AHJ. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF ALL RATED ASSEMBLIES.
- E. REFER TO MECHANICAL LEGEND FOR SHEET METAL CONSTRUCTION AND INSULATION REQUIREMENTS.

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ELECTRICAL GENERAL NOTES		SYMBOLS		ABBREVIATIONS		NURSE CALL SYMBOLS																																																																
1. COORDINATION BETWEEN TRADES: REQUEST AND EXAMINE ALL DRAWINGS AND SPECS. PERTAINING TO THE CONSTRUCTION BEFORE INSTALLING ABOVE CEILING WORK AS SHOWN ON DRAWINGS AND SPECS. COOPERATE WITH ALL OTHER CONTRACTORS IN LOCATING PIPING, DUCTWORK, CONDUIT, OPENINGS, CHASES AND EQUIPMENT IN ORDER TO AVOID CONFLICT WITH OTHER CONTRACTOR'S WORK. PAY PARTICULAR ATTENTION TO POINTS WHERE DUCTS OR PIPING MUST CROSS OTHER DUCTS OR PIPING AND WHERE DUCTS, PIPING AND CONDUIT RUN THE WALLS, CHASES, AND COLUMN ENCLOSURES. COORDINATE WITH ALL TRADES INTENDED POSITION OF WORK AND INTENDED ORDER OF INSTALLS PRIOR TO INSTALLATION.	2. WORK ABOVE CEILINGS: ALL WORK ABOVE AN AREA WITH LAY-IN CEILING MUST BE COORDINATED AND INSTALLED SO THERE IS A MINIMUM OF 4" BETWEEN THE TOP OF THE CEILING GRID MAIN RUNNERS AND THE BOTTOM OF THE INSTALLATION. INSTALLATION SHALL NOT OBSTRUCT EQUIPMENT ACCESS SPACE OR EQUIPMENT REMOVAL SPACE, INCLUDING WORK ATTACHED TO WALLS.	3. COORDINATE THE LOCATION OF ELECTRICAL DEVICES AND RACEWAY, ETC., WITH ALL CASEWORK EQUIPMENT, MECHANICAL ROOM EQUIPMENT, ETC., PRIOR TO INSTALLATION. WORK NOT COORDINATED SHALL BE REMOVED AND PROPERLY INSTALLED AT THE RESPONSIBLE CONTRACTOR(S) EXPENSE.	4. ALL CONTRACTORS SHALL EXERCISE EXTREME CARE IN THE COURSE OF THEIR WORK SO AS TO INSURE THAT THEY DO NOT INTERRUPT ANY EXISTING BUILDING SERVICE. FOR SAFETY PURPOSES, PAY PARTICULAR ATTENTION TO THIS PRECAUTION RELATIVE TO NATURAL GAS AND ELECTRICAL LINES. VERIFY THE LOCATION, SIZE, TYPE, ETC., OF EACH UNDERGROUND OR OVERHEAD UTILITY.	5. ALL NEW WORK SHALL BE HUNG FROM STRUCTURE, NOT FROM THE WORK OF OTHER TRADES, WHETHER EXISTING OR NEW. PROVIDE DELEGATED ENGINEERING DESIGN, SEISMIC CONSTRAINTS AND BRACING WHERE REQUIRED. PROVIDE ADDITIONAL SUPPORT FOR ALL NEW ELECTRICAL EQUIPMENT WHEREVER THE BUILDING STRUCTURE IS NOT SUITABLE FOR DIRECT MOUNTING.	6. COORDINATE ALL WORK WITH PROJECT PHASING REQUIREMENTS, PRIOR BIDDING. PROVIDE TEMPORARY CIRCUITING AS REQUIRED TO MAINTAIN OPERATION OF CIRCUITS OUTSIDE PROJECT AREA DURING CONSTRUCTION.	7. PATCH, REPAIR AND PAINT OR PROVIDE WALL COVERING (TO OWNER'S STANDARDS) FOR EXISTING WALLS, CEILINGS, ETC., THAT ARE TO REMAIN IF DAMAGED DURING CONSTRUCTION, AS REQUIRED. REPAIRS SHALL MATCH ADJACENT SURFACES TO THE SATISFACTION OF THE ARCHITECT AND OWNER.	8. ALL NEW BRANCH CIRCUIT POWER WIRING SHALL BE COPPER, MINIMUM OF #12 WITH A #12 INSULATED GROUND WIRE, INSTALLED IN 3/4" MINIMUM SIZE EMT CONDUIT WITH STEEL SET SCREW FITTINGS (U.O.N.). CONDUIT AND WIRE LIMITATIONS: EXCEPT WHERE NOTED OTHERWISE, LIMIT LIGHTING AND RECEPTACLE BRANCH CIRCUIT HOMERUNS TO 5 CONDUCTORS: 3 PHASE WIRES, 1 NEUTRAL AND 1 GROUND. SIZE BRANCH CIRCUIT CONDUCTORS WITHIN THE FOLLOWING LIMITS: <table><tr><td></td><td>#12 AWG</td><td>#10 AWG</td></tr><tr><td>120 VOLT 20 AMP</td><td><65 FEET</td><td><110 FEET</td></tr><tr><td>240 VOLT 20 AMP</td><td><160 FEET</td><td><260 FEET</td></tr></table> MEASURE TO THE CENTER OF THE LOAD FOR LIGHTING CIRCUITS AND THE MOST DISTANT FOR RECEPTACLE CIRCUITS. GROUNDING CONDUCTORS SHALL BE THE SAME SIZE AS THE PHASE CONDUCTORS, UNLESS OTHERWISE NOTED.		#12 AWG	#10 AWG	120 VOLT 20 AMP	<65 FEET	<110 FEET	240 VOLT 20 AMP	<160 FEET	<260 FEET	9. WIRING SHOWN ON DRAWINGS IS THE MINIMUM REQUIRED. RUNS IN EXCESS OF 100 FEET (ONE WAY) SHALL BE INCREASED ONE WIRE SIZE TO COMPENSATE FOR VOLTAGE DROP.	10. CONTRACTOR SHALL FOLLOW CIRCUITING LAY-OUT WITH THREE BRANCH CIRCUITS-MAXIMUM, PER HOMERUN, AS INDICATED ON THE PLANS, OR SHALL ADD ONE NEUTRAL CONDUCTOR FOR EVERY ADDITIONAL THREE PHASE CONDUCTOR. DERATE ALL CURRENT-CARRYING CONDUCTORS AND UPSIZE CONDUIT AS REQUIRED PER N.E.C.	11. WHERE FIRE PROOFING IS SPRAYED ON EXISTING STRUCTURE ALL EXISTING CONDUITS, BOXES, RACEWAY, ETC. SHALL BE INSTALLED TO BE BELOW FULL THICKNESS OF FIRE PROOFING WITH NO INTERFERENCE.	12. ALL PENETRATIONS OF FIRE AND SMOKE RATED WALL, FLOOR, AND CEILING ASSEMBLIES SHALL BE APPROPRIATELY FIRE STOPPED PER AN APPROVED U.L. LISTED STANDARD. CONTRACTOR SHALL PAY PARTICULAR ATTENTION TO NON-METALLIC CONDUIT PENETRATIONS.	13. INSTALL ALL EQUIPMENT IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE RECOMMENDED ACCESS AND SERVICE CLEARANCES. IF IN CONFLICT WITH THE DESIGN INDICATED IN CONTRACT DOCUMENTS, ADVISE THE ENGINEER PRIOR TO INSTALLATION FOR DIRECTION.	14. WHERE INSTALLED IN PLENUM, ALL TELEPHONE, COMPUTER, FIRE ALARM AND COMMUNICATIONS WIRING SHALL BE PLENUM RATED AND MEET NEC ARTICLE 300.22 REQUIREMENTS.	15. CONTRACTOR SHALL USE COPPER WIRE WITH APPROPRIATE INSULATION TYPE IN ALL APPLICATIONS, UNLESS OTHERWISE NOTED.	16. MAIN DISCONNECT SHALL HAVE A MINIMUM RATING OF 65,000 AIC UNLESS A LOWER-RATING IS CONFIRMED WITH THE LOCAL UTILITY. MAIN DISCONNECTS FOR SERVICES OF 600 VOLTS OR HIGHER AND 1000 AMP OR GREATER SHALL BE GFI PROTECTED.	17. MOUNT GROUPED DEVICES IN A SINGLE MULTI-GANG BOX WHEN APPLICABLE, UON.	18. GROUNDING SHALL COMPLY WITH NEC ARTICLE 250. GROUNDING SHALL BE CONNECTED TO GROUNDING ROD GRID, BUILDING STEEL, FOUNDATION REINFORCEMENT AND WATER PIPE WHEN APPLICABLE.	19. CONTRACTOR SHALL INSTALL SUFFICIENT LIGHTING AND SWITCHES TO PROVIDE CODE-COMPLIANT, SAFE ACCESS IN ATTIC SPACES WHERE ACCESS TO EQUIPMENT IS REQUIRED, IN ACCORDANCE WITH BUILDING CODES.	20. CONTRACTOR SHALL INSTALL (GROUND FAULT PROTECTED WHEN APPLICABLE) RECEPTACLES AND SAFETY DISCONNECTS IN CLOSE PROXIMITY OF MECHANICAL EQUIPMENT UNLESS SAME IS PROVIDED INTEGRAL TO THE MECHANICAL EQUIPMENT.	21. CEILING GRIDS SHOWN ON ELECTRICAL DRAWINGS ARE FOR LAYOUT PURPOSES ONLY. SEE ARCHITECTURAL DRAWINGS FOR CORRECT GRID LAYOUT. CONTRACTOR SHALL SUPPORT ALL CEILING GRID FIXTURES FROM THE STRUCTURE ALONG WITH THE CEILING GRID. 2X4 & 2X2 TROFFERS SHALL HAVE A MINIMUM OF (2) STRUCTURE SUPPORTS ON OPPOSITE CORNERS. RECESSED CANS SHALL HAVE A MINIMUM OF (1) STRUCTURE SUPPORT.	22. CONTRACTOR SHALL INSTALL EXHAUST FANS POWER CIRCUITS AS NOTED ON MECHANICAL PLANS.	23. CONTRACTOR SHALL USE ARC-FAULT BREAKERS FOR ALL DWELLING UNIT CIRCUITS WHERE REQUIRED BY NEC OR AHJ.	24. PROVIDE NEW TYPEWRITTEN POWER PANEL SCHEDULES FOR ALL PANELS WITHIN OR AFFECTED BY WORK IN PROJECT AREA WHERE POWER CIRCUITS ARE MODIFIED, ADDED, OR REMOVED. LABEL ANY UNUSED BREAKERS AS SPARE.	25. FEEDS TO PANEL BOARDS SHALL BE BOTTOM FED FOR BOTTOM FEED PANELS AND TOP FED FOR TOP FEED PANELS. FEEDERS ARE TO NOT BE INSTALLED IN THE SIDE GUTTERS.	26. TRADE NAMES ARE GIVEN TO CLARIFY TYPE OF PRODUCT AND QUALITY DESIRED. SUBSTITUTIONS MAY BE MADE, PENDING WRITTEN APPROVAL OF THE ENGINEER, UNLESS OTHERWISE NOTED.	27. ALL EXTERIOR RECEPTACLES, JUNCTION BOXES AND EQUIPMENT SHALL BE WEATHERPROOF. CONTRACTOR SHALL INSTALL GROUND FAULT INTERRUPTING RECEPTABLES IN FLUSH MOUNTED WEATHERPROOF BOXES AT ALL POTENTIALLY WET LOCATIONS, UON.	28. REFER TO THE MECHANICAL DRAWINGS FOR THE LOCATION OF THERMOSTATS, UNITS AND OTHER SPECIAL EQUIPMENT. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF ALL CONDUITS, JUNCTION BOXES AND DISCONNECT SWITCHES FOR POWER AND CONTROLS FOR HVAC EQUIPMENT. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR ALL THERMOSTATS AND CONTROL WIRING.	29. THE CONTRACTOR SHALL VERIFY ALL WORK SHOWN ON THE DRAWINGS AND CONDITIONS AT THE SITE, AND SHALL REPORT IMMEDIATELY TO THE ENGINEER TEN DAYS (10) PRIOR TO BIDDING, ANY DISCREPANCIES WHICH MAY APPEAR IN ORDER THAT MISUNDERSTANDING AT A LATER DATE MAY BE PREVENTED. NO ALLOWANCE IS TO BE MADE FOR LACK OF KNOWLEDGE CONCERNING SUCH CONDITIONS AFTER BIDS ARE ACCEPTED.	30. THE CONTRACTOR SHALL FULLY ACQUAINT HIMSELF WITH ALL EXISTING CONDITIONS AS TO INGRESS AND EGRESS, DISTANCE OF HAUL FROM SUPPLY POINTS, ROUTES FOR TRANSPORTATION OF MATERIALS, FACILITIES AND SERVICES, AVAILABILITY OF UTILITIES, ETC. HIS PROPOSAL SHALL COVER ALL EXPENSES RELATED TO THESE CONDITIONS.	31. THE CONTRACTOR SHALL INFORM HIMSELF OF ALL OF THE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED, THE SITE OF THE WORK, THE STRUCTURE OF THE GROUND, THE OBSTACLES THAT MAY BE ENCOUNTERED, THE AVAILABILITY AND LOCATION OF NECESSARY FACILITIES, AND ALL RELEVANT MATTERS CONCERNING HIS WORK.	32. THE CONTRACTOR SHALL CAREFULLY EXAMINE ALL DRAWINGS AND SPECIFICATIONS OF ALL THE TRADES AND DETERMINE THE KIND AND TYPE OF MATERIALS TO BE USED THROUGHOUT THE PROJECT WHICH MAY IN ANY WAY AFFECT THE EXECUTION OF HIS WORK.	33. THE CONTRACTOR SHALL WARRANTY ALL EQUIPMENT, APPARATUS, MATERIALS, AND WORKMANSHIP TO BE THE BEST OF ITS RESPECTIVE KIND AND SHALL REPLACE ALL PARTS AT HIS OWN EXPENSE, WHICH ARE PROVEN DEFECTIVE WITHIN ONE (1) YEAR FROM THE ENGINEER'S STATEMENT OF SUBSTANTIAL COMPLETION. THE CONTRACTOR SHALL PRESENT THE ENGINEER WITH WRITTEN WARRANTIES PRIOR TO FINAL ACCEPTANCE OF THE WORK. THE CONTRACTOR SHALL THEN SUBMIT THESE WARRANTIES TO THE OWNER. THE OWNER RESERVES THE RIGHT TO USE EQUIPMENT INSTALLED BY THE CONTRACTOR PRIOR TO DATE OF FINAL ACCEPTANCE. SUCH USE OF EQUIPMENT SHALL NOT INVALIDATE THE WARRANTY, EXCEPT THE OWNER SHALL BE LIABLE FOR ANY DAMAGE TO EQUIPMENT DURING THIS PERIOD DUE TO NEGLIGENCE OF THE OWNER OR OTHER EMPLOYEES.	34. SLEEVES ARE PROVIDED FOR ALL CONDUITS PASSING THRU CONCRETE FLOOR SLABS AND CONCRETE WALL CONSTRUCTION. SLEEVES ARE NOT REQUIRED FOR CONDUITS RUNNING IMBEDDED IN CONCRETE OR SLABS ON GRADE UNLESS OTHERWISE NOTED. WHERE SLEEVES ARE PLACED IN EXTERIOR WALLS ON GRADE, THE SPACE BETWEEN THE CONDUIT AND THE SLEEVES SHALL BE PACKED AND MADE COMPLETELY WATER TIGHT. TERMINATE SLEEVES FLUSH WITH WALLS. THE CONTRACTOR SHALL PROVIDE AND LOCATE ALL SLEEVES AND SLEEVING REQUIRED FOR HIS WORK PRIOR TO POURING OR BE RESPONSIBLE FOR ALL COSTS REQUIRED FOR INSTALL OR RELOCATION OF SAME.	35. THIS CONTRACTOR SHALL DO ALL DRILLING REQUIRED FOR THE INSTALLATION OF HIS HANGERS.	36. PRIOR TO PURCHASING, THE CONTRACTOR SHALL PREPARE AND SUBMIT TO THE OWNER WITHIN FIFTEEN (15) DAYS AFTER THE DATE OF THE CONTRACT, ELECTRONIC PDF FILES OF ALL SHOP DRAWINGS, CERTIFIED EQUIPMENT DRAWINGS, INSTALLATION, OPERATING AND MAINTENANCE INSTRUCTIONS, SAMPLES, WIRING DIAGRAMS, ETC. ON ALL ITEMS OF EQUIPMENT SHOWN ON DRAWINGS OR SPECIFIED AS CONTRACTOR FURNISHED, UNLESS DIRECTED OTHERWISE BY ENGINEER IN WRITING.	37. THE CONTRACTOR SHALL SUBMIT TWO HARD COPIES AND ONE PDF ELECTRONIC COPY ON PORTABLE MEDIA OF ENGINEER-APPROVED OPERATION AND MAINTENANCE MANUALS FOR THE EQUIPMENT HEREIN INSTALLED TO THE OWNER PRIOR TO ACCEPTANCE OF THE BUILDING FOR OCCUPANCY. SUBMIT PDF VERSION ONLY TO ENGINEER FOR REVIEW AND APPROVAL.	38. THE CONTRACTOR SHALL GIVE ALL NECESSARY NOTICES, OBTAIN AND PAY FOR ALL PERMITS, SALES TAXES, FEES, INSPECTIONS AND OTHER COSTS, INCLUDING ALL UTILITY COSTS TO SERVICE, METERS, METER SETTINGS, IN CONNECTION WITH HIS WORK. FILE ALL NECESSARY PLANS, PREPARE ALL DOCUMENTS AND OBTAIN ALL NECESSARY APPROVALS OF ALL AUTHORITIES, THE APPROPRIATE MUNICIPALITY OR UTILITY COMPANY HAVING JURISDICTION, WHETHER INDICATED OR SPECIFIED OR NOT. HE SHALL ALSO OBTAIN ALL REQUIRED CERTIFICATES OF INSPECTION FOR HIS WORK AND DELIVER SAME TO THE ENGINEER BEFORE REQUESTING ACCEPTANCE OF AND FINAL PAYMENT FOR THE WORK.	39. THIS CONTRACTOR SHALL VERIFY WITH ALL OTHER TRADES CONCERNED THAT THE CIRCUIT WITH DEVICES AS DRAWN IS ADEQUATE IN SIZE AND MAKE-UP FOR THE EQUIPMENT TO BE INSTALLED PRIOR TO ANY INDIVIDUAL CIRCUIT'S INSTALLATION. IF ANY CONFLICT IN VOLTAGE, PHASE OR LOAD IS ENCOUNTERED WHICH WOULD ALTER THE CIRCUIT SIZE, THIS CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.	40. ALL WORK RELATING TO THE HANDICAPPED SHALL COMPLY WITH REGULATIONS CURRENTLY ENFORCED BY THE AHJ.	41. DUPLEX RECEPTABLES SHALL BE 125V, 20A, NEMA 5-20R COMMERCIAL GRADE PASS & SEYMOUR, OR EQUIVALENT. SWITCHES SHALL BE 125V/20A PASS & SEYMOUR COMMERCIAL GRADE, OR EQUIVALENT. COLOR SELECTED BY ARCHITECT.	42. ALL OFFSETS, TURNS, FITTINGS, TRIM, DETAIL, ETC., MAY NOT BE INDICATED, BUT SHALL BE PROVIDED AS APPROVED PER AN APPROVED U.L. LISTED STANDARD.	43. DEVIATION FROM SPECIFICATIONS OR PLANS REQUIRES PRIOR WRITTEN APPROVAL FROM THE ENGINEERS NO LATER THAN TEN DAYS PRIOR TO THE BID DATE.	44. DO NOT RECESS PANELBOARD TUBS OR OTHER FLUSH-MOUNTED EQUIPMENT IN WALLS THAT HAVE A FIRE RATING, AS REQUIRED BY BUILDING CODES.	45. ALL SYSTEMS, EQUIPMENT, AND MATERIALS ARE TO BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. WORK NOT MEETING THIS CRITERION SHALL BE REMOVED AND REINSTALLED TO THE SATISFACTION OF THE ARCHITECT. FINAL DETERMINATION OF THE ACCEPTABILITY OF WORK SHALL BE BY THE ENGINEER.	46. UNLESS OTHERWISE SPECIFIED OR INDICATED, ALL EQUIPMENT AND MATERIALS WITHIN OCCUPIED SPACES OR EXPOSED TO VIEW ON THE BUILDING EXTERIOR SHALL BE PRIMED AND FINISHED TO COMPLEMENT ADJACENT SURFACES, UNLESS OTHERWISE NOTED. COORDINATE WORK AND COLORS WITH OWNER AND ARCHITECT.	47. WHERE PENETRATING NEW/EXISTING ROOFING MEMBRANE OR OTHER ASSEMBLIES USED FOR WEATHERPROOFING THE BUILDING, MAKE SUCH PENETRATION IN A WAY THAT WILL NOT VOID OR DIMINISH THE WARRANTY OR INTEGRITY IN ANY WAY. COORDINATE ALL SUCH PENETRATIONS WITH THE ASSEMBLY MANUFACTURER AND ARCHITECT.	48. CHECK ALL THREE PHASE MOTORS WITH A PHASE ROTATION METER PRIOR TO PLACING IN SERVICE.	49. DEVIATIONS IN SIZES, CAPACITIES, FIT, FINISH, ETC., FOR EQUIPMENT FROM THAT PRIME SPECIFIED SHALL BE THE RESPONSIBILITY OF THE PURCHASER OF THAT EQUIPMENT; ANY PROVISIONS REQUIRED TO ACCOMMODATE A DEVIATION, WHETHER APPROVED BY THE ENGINEER OR NOT, SHALL BE THE RESPONSIBILITY OF THE PURCHASER.	50. WHERE MOUNTING HEIGHTS ARE NOT INDICATED OR ARE IN CONFLICT WITH ANY OTHER BUILDING SYSTEM, CONTACT THE ENGINEER BEFORE INSTALLATION. REFER ALSO TO ARCHITECTURAL INTERIOR AND EXTERIOR ELEVATIONS, CEILING HEIGHTS, AND OTHER DETAILS OF THESE DOCUMENTS, AS APPLICABLE.	51. ALL ELECTRICAL COMPONENTS OR EQUIPMENT SHALL BE LISTED AND LABELED BY UNDERWRITER'S LABORATORIES OR OTHER APPROVED LISTING AGENCY. APPROVAL AND LABELING OF INDIVIDUAL COMPONENTS ON AN ASSEMBLY IS NOT ACCEPTABLE AS MEETING THIS REQUIREMENTS, UNLESS WAIVED BY THE ENGINEER IN WRITING.	52. INSTALL ALL WIRING SYSTEMS WITH A MINIMUM OF SPICES, CONDUCTORS, WHETHER SINGLE OR MULTI-PAIR, SHALL BE INSTALLED CONTINUOUS INsofar AS POSSIBLE FROM TERMINAL POINT TO TERMINAL POINT.	53. WHERE INTERRUPTING AN EXISTING UTILITY OR SERVICE DELIBERATELY OR ACCIDENTALLY, THE RESPONSIBLE CONTRACTOR SHALL WORK CONTINUOUSLY AS NEEDED TO RESTORE SAME, PROVIDING PREMIUM TIME AS NEEDED.	54. CONCEAL ALL WORK UNLESS SPECIFICALLY INDICATED TO BE EXPOSED, OR REQUIRED TO BE EXPOSED. IF IN DOUBT, CONTACT THE ENGINEER FOR CLARIFICATIONS PRIOR TO INSTALLING ANY SUCH WORK.	55. INTERRUPTIONS OF ANY EXISTING SERVICES SHALL BE COORDINATED WITH THE OWNER, GENERAL CONTRACTOR, UTILITY COMPANY AND ENGINEER AS NECESSARY, AND THE ARCHITECT, AT LEAST TWO WEEKS IN ADVANCE OF ANTICIPATED INTERRUPTION. A SCHEDULE FOR THESE OUTAGES SHALL BE DEVELOPED AND AGREED UPON BETWEEN THE PARTIES MENTIONED, TO AVOID UNNECESSARY INCONVENIENCE TO THE OWNER OR ANY AFFECTED PARTY. NOTIFY THE UTILITY COMPANY OF ANY ANTICIPATED SERVICES REQUIRED TWO WEEKS IN ADVANCE. IN WRITING. IF UTILITY COMPANY REQUIRES A LONGER NOTIFICATION PERIOD, SO PROVIDE.	56. ALL MATERIALS FURNISHED AND ALL WORK INSTALLED SHALL COMPLY WITH THE CURRENT EDITION OF THE NATIONAL ELECTRICAL CODES, NATIONAL FIRE CODES OF THE NATIONAL FIRE PROTECTION ASSOCIATION, THE REQUIREMENTS OF LOCAL UTILITY COMPANIES, AND WITH THE REQUIREMENTS OF ALL GOVERNMENTAL AGENCIES OR DEPARTMENTS HAVING JURISDICTION. IF ANY CONFLICTS OR DISCREPANCIES OCCUR THE MOST STRINGENT SHALL APPLY.	57. DO NOT SCALE FROM DRAWINGS, AS PRINTING DISTORTS SCALE. WORK SHALL BE LAID OUT FROM DIMENSIONED DRAWINGS, OR DIMENSIONS SUPPLIED TO THE CONTRACTOR.	58. PROVIDE NEMA RATINGS THAT ARE APPROPRIATE FOR THE ENVIRONMENT. WHERE NO NEMA RATING IS LISTED, THE ENGINEER SHALL MAKE THE FINAL DETERMINATION.	GENERAL DRAFTING SYMBOLS  CONNECT TO EXISTING (VERIFY EXACT LOCATION)  LIMIT OF DEMOLITION  SHEET NOTE  REVISION NOTE - SEE REVISION LIST  DETAIL DESIGNATOR  SHEET NUMBER LIGHTING SYMBOLS NOTES: 1. SYMBOLS MAY VARY SLIGHTLY IN APPEARANCE ON FLOOR PLANS. 2. LETTER DESIGNATES FIXTURE TYPE. 3. HATCH INDICATES EMERGENCY EGRESS FIXTURES. 4. REFER TO LIGHTING FIXTURE SCHEDULE OR SHEET NOTES FOR DETAILS. XX  a LIGHT FIXTURE DESIGNATED WITH 'xx' - TYPE AND 'a' - ZONE CONTROL  LIGHT FIXTURE - RECESSED  LINEAR LIGHT FIXTURE - SURFACE / PENDANT MOUNTED  LINEAR LIGHT FIXTURE - WALL MOUNTED  STRIP LIGHT - PENDANT/CHAIN/SURFACE MOUNT STRIP LIGHT  DOWNLIGHT LIGHT FIXTURE - RECESSED  DOWNLIGHT LIGHT FIXTURE - CEILING / PENDANT  DOWNLIGHT LIGHT FIXTURE - WALL MOUNT  BLDG MOUNTED WALL PACK  EXIT LIGHT FIXTURE - CEILING MOUNTED ARROW INDICATES DIRECTION OF EGRESS TRAVEL  EXIT LIGHT FIXTURE - WALL MOUNTED  EMERGENCY EGRESS LIGHT FIXTURE  EMERGENCY EGRESS LIGHT FIXTURE SWITCHING SYMBOLS  SINGLE, THREE WAY, FOUR WAY MANUAL WALL SWITCH  0-10 (UON) DIMMING LIGHT SWITCH  0-10 (UON) DIMMING LIGHT SWITCH WITH INTEGRAL MOTION DETECTION  COMBINATION LIGHT SWITCH & MOTION DETECTOR  HORSEPOWER RATED SNAP SWITCH DISCONNECT  ON/OFF/RAISE/LOWER LOW VOLTAGE WALL SWITCH EQUAL TO NX LIGHTING CONTROLS NXSW-ORLO  ON/OFF LOW VOLTAGE WALL SWITCH EQUAL TO NX LIGHTING CONTROLS NXSW-OO  3-WAY SWITCH DESIGNATED WITH 'a' AND 'b' TO CONTROL OUTSIDE AND INSIDE LAMPS  EMERGENCY POWER OFF PUSHBUTTON  WALL PARTITION SENSOR  ROOM CONTROLLER - 1 SPST SWITCHED OUTPUT (NO DIMMING) EQUAL TO NX LIGHTING CONTROLS NXRCFX2-1R-UNV  ROOM CONTROLLER - 2 SPST SWITCHED OUTPUT (DIMMING) EQUAL TO NX LIGHTING CONTROLS NXRCFX2-2RD-UNV  LOW-VOLTAGE POWER PACK. SEE WIRING DIAGRAMS  CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR  CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR DESIGNATED WITH 'a' FOR ZONE CONTROL LIGHT FIXTURE TAG DESIGNATION  LIGHT FIXTURE TAG IDENTIFICATION (SEE SCHEDULE)  SWITCH LEG DESIGNATION. IF BLANK, SINGLE SWITCH ZONE FOR ROOM  PANEL AND CIRCUIT NUMBER  POWER SYMBOLS  SINGLE ("SIMPLEX"), DUPLEX, & DOUBLE DUPLEX ("QUAD") RECEPTACLE RESPECTIVELY  GFI, GFCI RECEPTACLE  ISOLATED GROUND, EMERGENCY DUPLEX RECEPTACLE  RECEPTACLE ABOVE COUNTER  220V RECEPTACLE  120V/1P DIRECT CONNECTION  208V/1P DIRECT CONNECTION  208V/3P DIRECT CONNECTION  RECESSED FLOORBOX RECEPTACLE  RECESSED FLOOR JUNCTION BOX  CEILING MOUNTED JUNCTION BOX  WALL MOUNTED JUNCTION BOX HEAVY DUTY DISCONNECT SWITCH (NON-FUSED) STARTER / DISCONNECT COMBINATION SWITCH EXISTING PANELBOARD NEW PANELBOARD MOTOR	SECURITY SYMBOLS (ROUGH-IN ONLY)  CLOSED CIRCUIT T.V. CAMERA  IDENTIFICATION CAMERA  BAR CODE READER  INTERCOM STATION  CEILING MOUNTED INTRUSION DETECTOR  WALL MOUNTED INTRUSION DETECTOR  KEY FOB READER  KEYPAD  DURESS ALARM RECEIVER (RF SIGNAL)  PUSH BUTTON DURESS SIGNAL (HARDWIRED)  SILENT PAGING STATION  BURGLAR ALARM  SECURITY MONITOR FIRE ALARM SYMBOLS  AUDIO / VISUAL DEVICE MINIMUM LIGHT OUTPUT INTENSITY - xxx CANDELAS  AUDIO ONLY DEVICE  VISUAL ONLY DEVICE MINIMUM LIGHT OUTPUT INTENSITY - xxx CANDELAS  PULL STATION  FLOW SWITCH  TAMPER SWITCH  FIRE ALARM PHOTOELECTRIC SMOKE DETECTOR T = THERMAL 110 U.O.N. DS = DUCT SMOKE DETECTOR CO = COMBINATION SMOKE AND CARBON MONOXIDE DETECTOR  FIRE ALARM HORN STROBE - CEILING MOUNTED LOW FREQUENCY SOUNDER DEVICE INTERFACED WITH CENTRAL FIRE ALARM SYSTEM TO ALARM UPON DETECTION OF SPRINKLER WATER FLOW  NOTE: IN SLEEPING UNITS, PROVIDE DETECTOR(S) WITH LOW FREQUENCY SOUNDER DEVICE IAW NFPA 72.  MAGNETIC DOOR HOLDERS  CONTROL RELAY  FIRE ALARM CONTROL PANEL  REMOTE ANNUNCIATION PANEL  AMPLIFIER CABINET  SMOKE DETECTOR TEST/RESET STATION NOTE: PROVIDE ALL DETECTORS, NOTIFICATION DEVICES (HORNS, STROBES, SOUNDERS, ETC.), ETC. WHETHER SHOWN ON DRAWINGS OR NOT FOR A COMPLETE FIRE ALARM SYSTEM DESIGN THAT COMPLIES WITH CODES ENFORCED BY AHJ. INTERFACE FIRE ALARM DEVICES TO CENTRAL FIRE ALARM SYSTEM WHERE REQUIRED BY NFPA 101, 72, ETC.	ABBREVIATIONS AFF ABOVE FINISHED FLOOR AFG ABOVE FINISHED GRADE AFR ABOVE FINISHED ROOF AHJ AUTHORITY HAVING JURISDICTION AHU AIR HANDLING UNIT APU ACCESS PANEL C CONDUIT CCT DOWN DN CORRELATED COLOR TEMPERATURE EC ELECTRICAL CONTRACTOR EBB ELECTRIC BASEBOARD HEATER ETR EXISTING TO REMAIN EWH ELECTRIC WALL HEATER EXIST EXISTING FRP FIRE RESISTANT PLYWOOD IAW IN ACCORDANCE WITH IE INVERT ELEVATION JB JUNCTION BOX MFR MANUFACTURER MH MANHOLE NC NORMALLY CLOSED NEC NATIONAL ELECTRICAL CODE NO NORMALLY OPENED OE OVERHEAD ELECTRIC OFCI OWNER FURNISHED, CONTRACTOR INSTALLED OFOI OWNER FURNISHED, OWNER INSTALLED PP POWER POLE RP RADIANT HEATING PANEL SM SHEET METAL SS STAINLESS STEEL TE TOP ELEVATION TYP TYPICAL UE UNDERGROUND ELECTRIC UT UNDERGROUND TELEPHONE UH UNIT HEATER UON UNLESS OTHERWISE NOTED VFD VARIABLE FREQUENCY DRIVE WP WEATHERPROOF NOTE: NOT ALL SYMBOLS AND ABBREVIATIONS NECESSARILY USED ON THIS PROJECT.	MOUNTING HEIGHTS TO CENTERLINE (UON) COMMUNICATIONS OUTLET.....1'-6" CONVENIENCE OUTLET.....1'-6" FIRE ALARM MANUAL PULL STATION.....3'-10" INTERCOM.....3'-10" THERMOSTATS.....3'-10" WALL SWITCHES.....3'-10" HAZARDOUS MATERIALS NOTE THE CONTRACTOR IS HEREBY ADVISED THAT IT IS POSSIBLE THAT ASBESTOS, LEAD-BASED PAINT, AND
	#12 AWG	#10 AWG																																																																				
120 VOLT 20 AMP	<65 FEET	<110 FEET																																																																				
240 VOLT 20 AMP	<160 FEET	<260 FEET																																																																				

DEMOLITION GENERAL NOTES

- A. THICK DASHED LINES INDICATE ITEMS FOR REMOVAL (UON) AND THIN SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.
- B. MAINTAIN THE CONTINUITY OF EXISTING CIRCUITS THAT CONTAIN DEVICES OR EQUIPMENT THAT ARE TO REMAIN. WHEN DEMOLITION OF AN ELECTRICAL DEVICE (OR CIRCUIT) IS INDICATED ON THE DRAWINGS, ENSURE THAT OTHER DEVICES OR EQUIPMENT 'UPSTREAM' OR 'DOWNSTREAM' ON THE CIRCUITS SHALL REMAIN IN 'PRE-DEMOLITION' WORKING ORDER. 'LEFT-OVER' CIRCUIT BREAKERS SHALL REMAIN, BE SWITCHED TO OFF POSITION, AND BE LABELED AS SPARES IN THEIR PANELS BY CONTRACTOR. PROVIDE NEW TYPEWRITTEN DIRECTORIES FOR ALL PANELS AFFECTED BY WORK ON THIS PROJECT.
- C. LOCATION OF DEVICES, CONNECTIONS, ETC., INDICATED ON THIS DRAWING WERE TAKEN FROM VARIOUS SOURCES. THEY ARE DIAGRAMMATIC ONLY AND ARE SUBJECT TO VARIATION FROM EXISTING CONDITIONS. CERTAIN EXISTING ELEMENTS MAY NOT BE INDICATED AT ALL. THE CONTRACTOR PROPOSING TO DO ANY PART OF THE WORK INDICATED HEREON SHALL VISIT THIS SITE AND DETERMINE TO HIS SATISFACTION THAT HE MAY COMPLETE ALL WORK REQUIRED FOR THE BID WHICH HE PROPOSES.
- D. REMOVE ALL ASSOCIATED BACKBOXES, CONDUIT AND CONDUCTORS FOR DEVICES AND EQUIPMENT BEING REMOVED BACK TO SOURCE, WHETHER INDICATED OR NOT (UON).
- E. COORDINATE WITH OWNER DISPOSAL OF ALL EQUIPMENT, FIXTURES, DEVICES, ETC., WHICH ARE INDICATED FOR DEMOLITION. SALVAGE AND TURN OVER REMOVED ITEMS TO OWNER AT THEIR OPTION.
- F. COORDINATE WITH OTHER TRADES FOR THE REMOVAL AND/OR RELOCATION OF ELECTRICAL DEVICES AND CONNECTIONS ASSOCIATED WITH THEIR EQUIPMENT.
- G. REMOVE ABANDONED CONDUCTORS DISCOVERED ABOVE ACCESSIBLE CEILINGS IN ACCORDANCE WITH NEC REQUIREMENTS.
- H. RELOCATE EXISTING ELECTRICAL SYSTEMS IN CONFLICT WITH EXISTING OR NEW WORK OF OTHER TRADES TO PERMIT INSTALLATION OF DEVICES AND EQUIPMENT SHOWN ON PLANS.
- I. UNLESS OTHERWISE NOTED, PATCH SURFACE(S) TO MATCH ADJOINING CONSTRUCTION AND FINISH FOR ANY ITEMS REMOVED BY THIS CONTRACTOR IN EXISTING TO REMAIN WALLS, CEILINGS, FLOORS, ETC.

SHEET NOTES

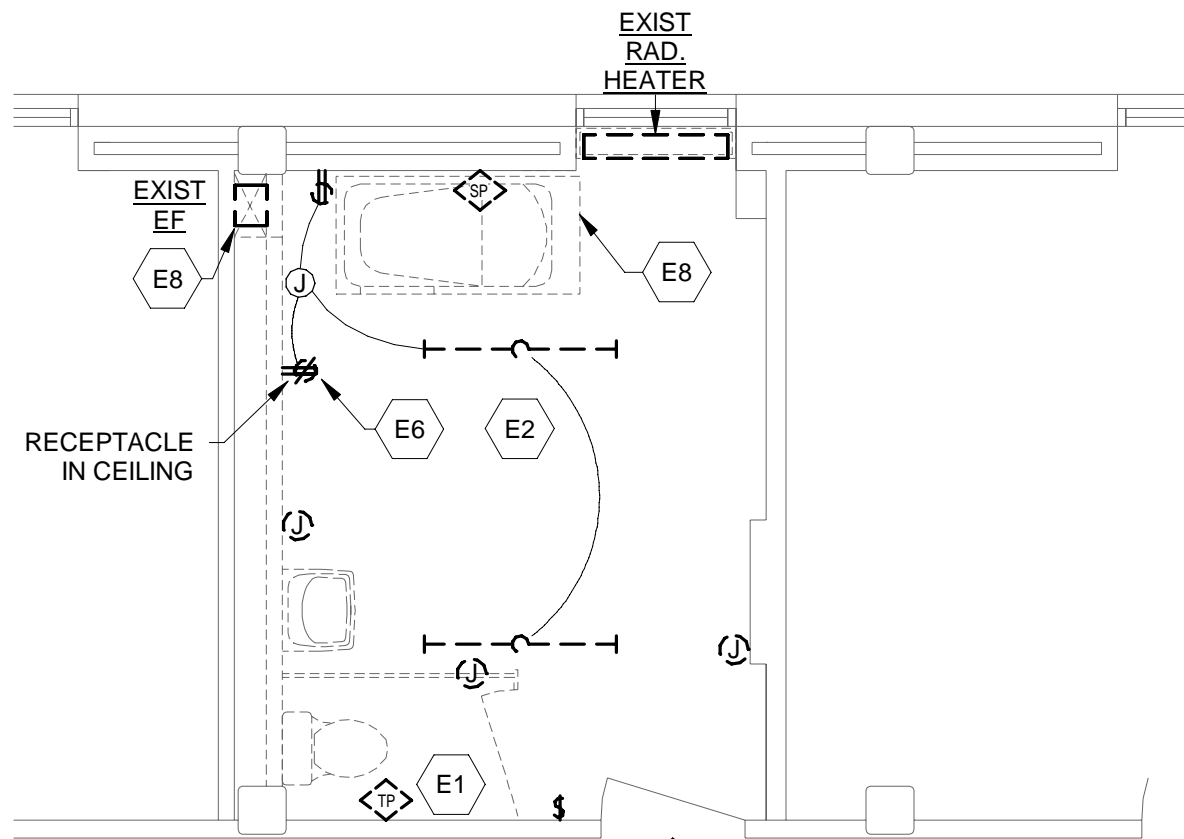
- E1 REMOVE AND SALVAGE EXISTING NURSE CALL DEVICES IN THIS ROOM. REMOVE CABLING BACK TO ABOVE CEILING.
- E2 REMOVE EXIST LIGHTING CIRCUIT TO NEAREST J-BOX ABOVE CEILING AND PREP CONDUCTORS TO BE REWORKED TO NEW LIGHT FIXTURE LOCATIONS.
- E3 REMOVE TUB POWER CIRCUIT AND WALL MOUNTED MEANS OF DISCONNECT. EXIST CIRCUIT IS EXIST TO REMAIN.
- E4 EXTEND/REWORK EXIST LIGHTING CIRCUIT TO ACHIEVE NEW SWITCHING SCHEME.
- E5 REWORK NURSE CALL WIRING TO NEW DEVICE LOCATION, TYPICAL OF DEVICES WITHIN PROJECT AREA. COORDINATE FINAL LOCATION OF SALVAGED NURSE CALL DEVICES WITH OWNER BEFORE INSTALLATION.
- E6 REMOVE RECEPTACLE AND SURFACE MOUNTED RACEWAY COMPLETE. CIRCUIT TO REMAIN REUSE.
- E7 EXTEND/REWORK EXIST RECEPTACLE POWER CIRCUIT TO NEW RECEPTACLE LOCATION.
- E8 REMOVE EXIST POWER CIRCUIT COMPLETE BACK TO SOURCE PANEL AND LABEL BREAKER AS SPARE.
- E9 EXTEND/REWORK EXIST EXHAUST FAN (ROOM 336) CIRCUIT TO NEW FAN LOCATION.
- E10 PROVIDE NEW RECEPTACLE MOUNTED TO SIDE OF EXH. FAN ROOF CURB. FEED FROM FAN POWER CIRCUIT.
- E11 PROVIDE NEW MEANS OF DISCONNECT FOR NEW TUB IN ACCESSIBLE LOCATION ABOVE CEILING. REWORK EXIST TUB CIRCUIT CONCEALED TO FEED NEW TUB. REPLACE EXIST 30A/1P BREAKER IN PANEL PB-3W WITH NEW 20A/1P GFCI BREAKER.
- E12 REMOVE EXISTING POWER CIRCUIT FROM EXHAUST FAN BACK TO NEAREST J-BOX AND PREP CONDUCTORS FOR REUSE UNDER NEW WORK.

GENERAL NOTES

- A. REFER TO ARCHITECTURAL ELEVATIONS AND CASEWORK DRAWINGS FOR COORDINATION OF DEVICE LOCATIONS PRIOR TO ROUGH-IN.
- B. PROVIDE VINYL LABEL ON COVER PLATE OF EACH RECEPTACLE AND LIGHT SWITCH IN PROJECT AREA INDICATING PANEL AND PANEL SPACE NUMBER FEEDING RECEPTACLE AND LIGHT FIXTURE.
- C. LOCATIONS OF ELECTRICAL CONNECTIONS AND LOCAL DISCONNECTS SHALL BE COORDINATED WITH MECHANICAL AND PLUMBING CONTRACTORS TO ENSURE ACCESS AND WORKING CLEARANCE IS MAINTAINED PER NEC. NOTIFY OTHER TRADES OF REQUIRED CLEARANCE AREAS TO AVOID ROUTING OF OTHER SYSTEMS IN THESE AREAS. DO NOT INSTALL ELECTRICAL EQUIPMENT OVER EQUIPMENT NAMEPLATES OR ACCESS PANELS OR THROUGH ACCESS/MAINTENANCE CLEARANCES OF EQUIPMENT BY OTHER TRADES.
- D. PROVIDE NEW J-HOOK PATHWAYS FOR ALL EXISTING LOW-VOLTAGE CABLING SYSTEMS ABOVE CEILING. PROVIDE J-HOOKS FROM EACH INDIVIDUAL ROOM AND IN CORRIDORS BACK TO IT ROOM. PROVIDE QUANTITY OF J-HOOKS NECESSARY TO SUPPORT ALL EXISTING CABLING AT A MAXIMUM OF 4-FOOT SPACING INTERVALS.
- E. THIS FACILITY WILL REMAIN OCCUPIED FOR THE DURATION OF THE PROJECT. CONTRACTOR SHALL FIELD VERIFY IMPACT OF MEP SYSTEM SHUTDOWNS AFFECTING FLOORS ADJACENT TO, ABOVE, AND BELOW THE PROJECT AREA. COORDINATE ALL SYSTEM SHUTDOWNS WITH ARCHITECT & BUILDING OWNER MINIMUM 7 DAYS IN ADVANCE.
- F. THE PHASING INTENT OF THE PROJECT IS TO RENOVATE ONE FLOOR'S RESTROOM AT A TIME. CONTRACTOR SHALL LIMIT WHEN BOTH RESTROOMS ARE SHUT DOWN TO A MAXIMUM OF AN 8-HOUR PERIOD WHEN WORK WITHIN BOTH SPACES SIMULTANEOUSLY IS REQUIRED. OTHERWISE, AT LEAST ONE OF THE TWO RESTROOMS SHALL BE FUNCTIONAL FOR THE DURATION OF THE PROJECT.
- G. WORK WILL BE REQUIRED WITHIN PATIENT ROOM CEILING CAVITIES ON FIRST FLOOR AND SECOND FLOOR. COORDINATE ACCESS TO THESE PATIENT ROOMS WITH OWNER. REMOVE CEILINGS AS REQUIRED TO FACILITATE THE WORK NOTED HEREIN. COORDINATE WITH ARCHITECTURAL DRAWNGS FOR ALL CEILING WORK. CONTRACTOR SHALL COORDINATE WITH ALL TRADES TO TEMPORARILY REMOVE DEVICES AS REQUIRED TO ACCOMMODATE THE CEILING REMOVAL. REINSTALL ANY TEMPORARILY REMOVED ITEMS BACK TO EXISTING CONDITIONS.
- H. CONTRACTOR SHALL PROVIDE TEMPORARY BARRIERS TO MITIGATE DUST & DEBRIS TRANSMISSION INTO NON PROJECT AREAS. ALSO PROVIDE TEMPORARY FLOOR, WALL PROTECTIONS, FURNITURE COVERINGS ETC. FOR ALL EXISTING TO REMAIN BUILDING COMPONENTS.

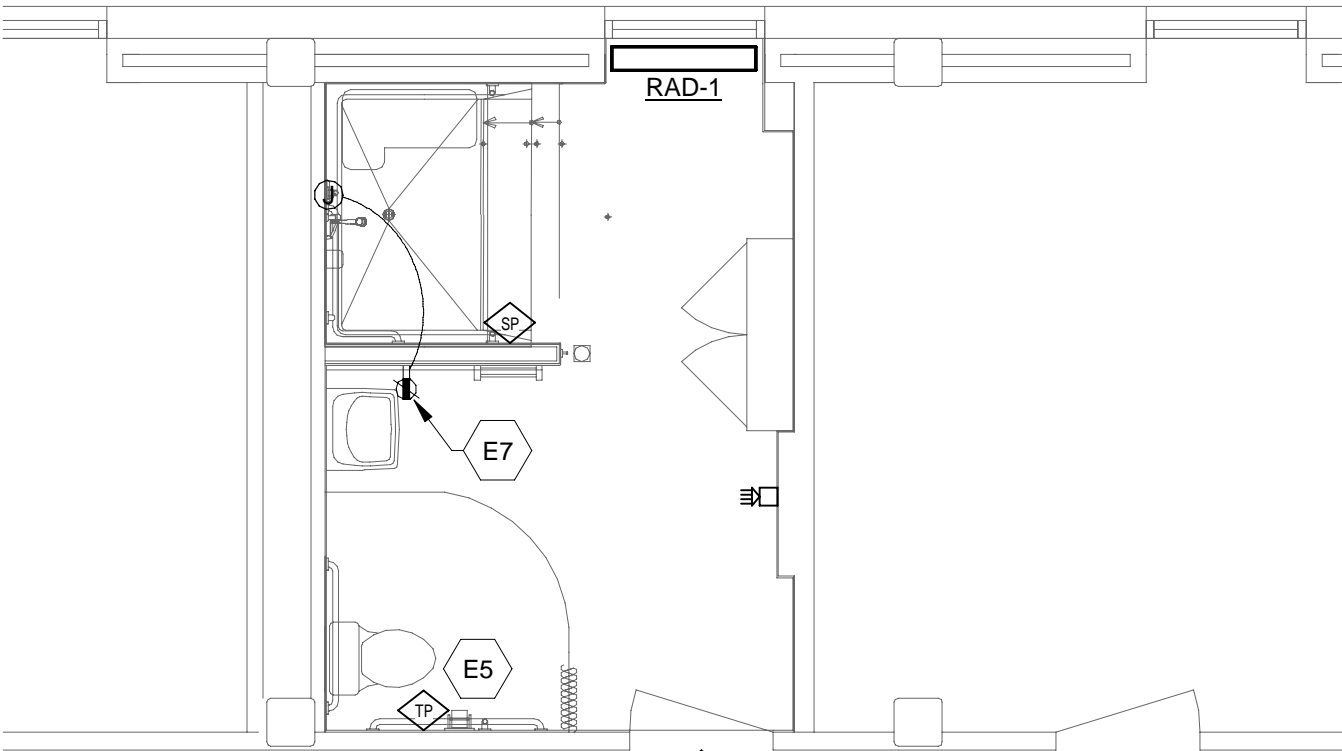
FIRE ALARM GENERAL NOTES

- A. FIRE ALARM CONTRACTOR SHALL PERFORM BATTERY CALCULATIONS FOR THE DEVICES IN THIS SYSTEM AND CONFIRM PROPER STROBE CANDELLA OUTPUTS.
- B. THE FIRE ALARM SYSTEM SHOWN ON THE PLANS IS FOR COORDINATION ONLY. THE SYSTEM SHOWN ON THE DRAWINGS MAY NOT REPRESENT THE COMPLETE REQUIRED FINAL FIRE ALARM SYSTEM LAYOUT REQUIREMENTS. THE FIRE ALARM SYSTEM SHALL BE DESIGNED AND SUBMITTED FOR PERMIT BY A NICET CERTIFIED FIRE ALARM SYSTEM CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL REQUIRED DEVICES (DETECTORS, NOTIFICATION DEVICES, ETC.), WHETHER SHOWN ON THE DRAWINGS OR NOT, FOR A COMPLETE, CODE COMPLIANT SYSTEM INSTALLATION.



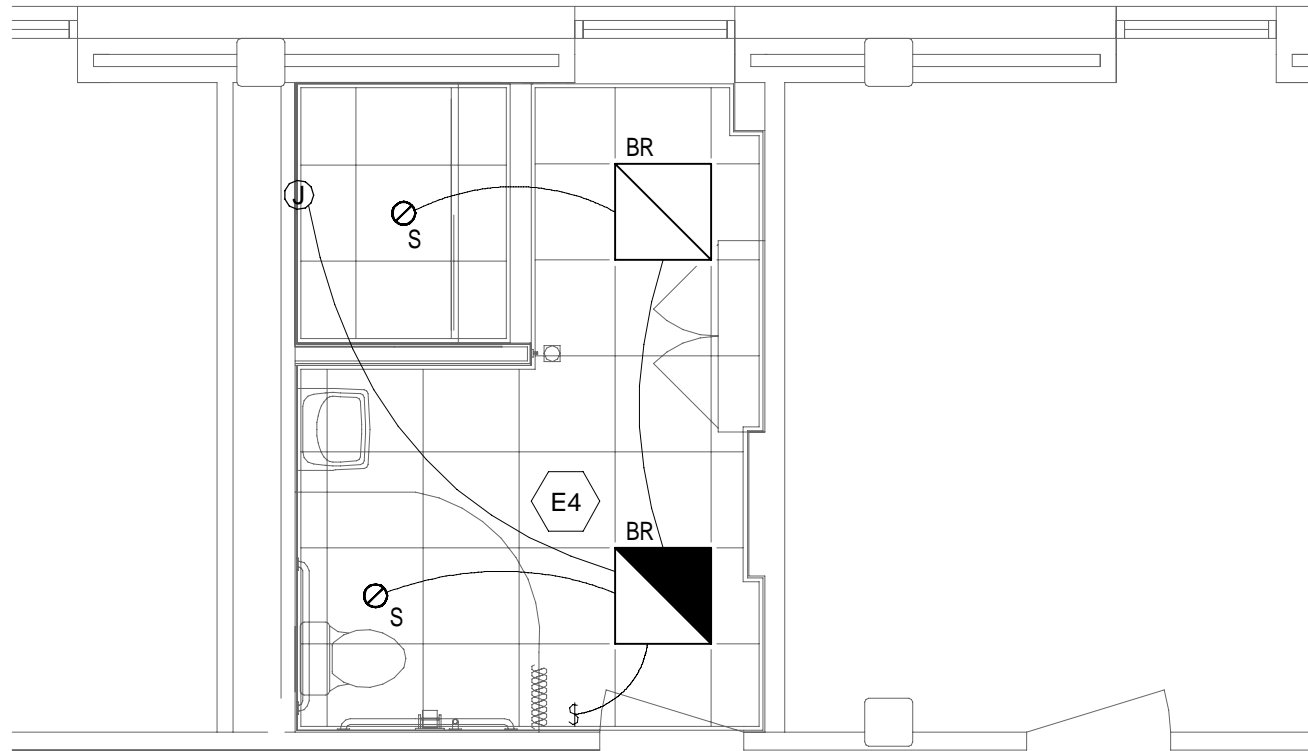
ENLARGED ELECTRICAL DEMOLITION - BATHROOM 243

1/4" = 1'-0"



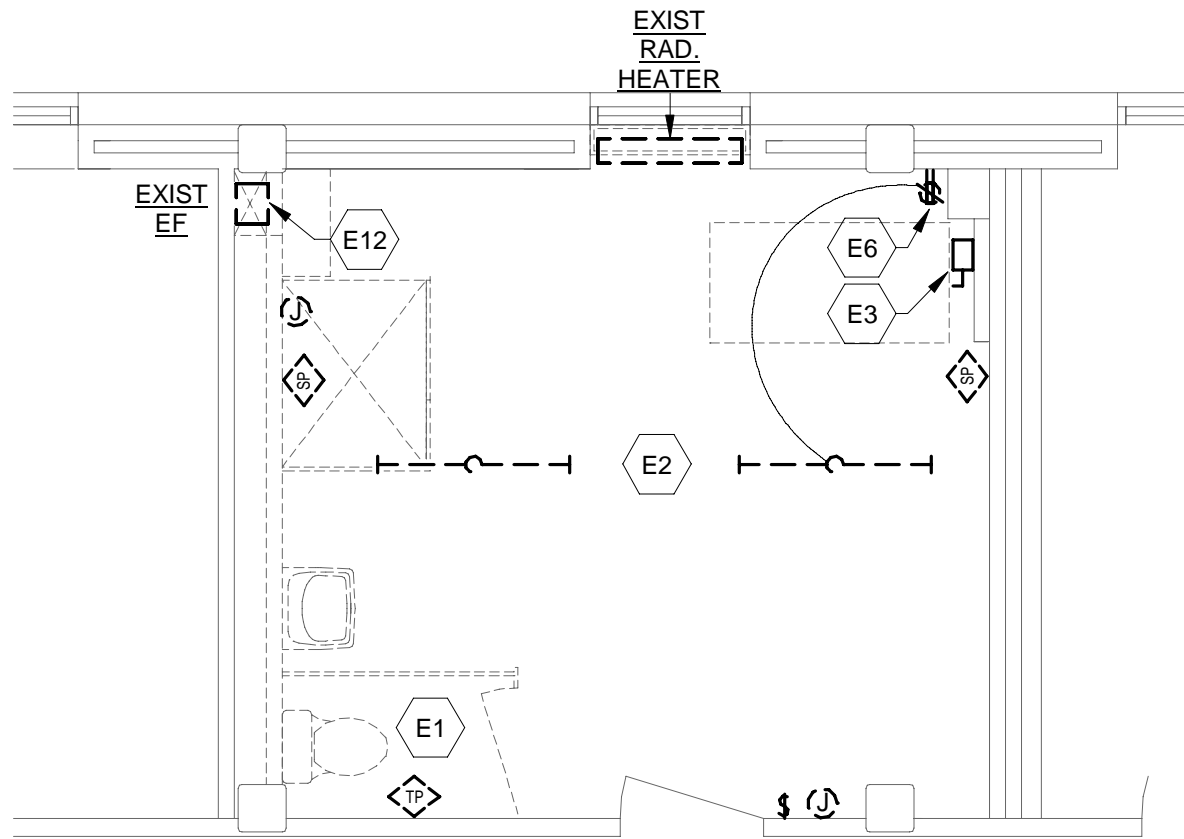
ENLARGED POWER AND SYSTEMS PLAN - BATHROOM 243

1/4" = 1'-0"



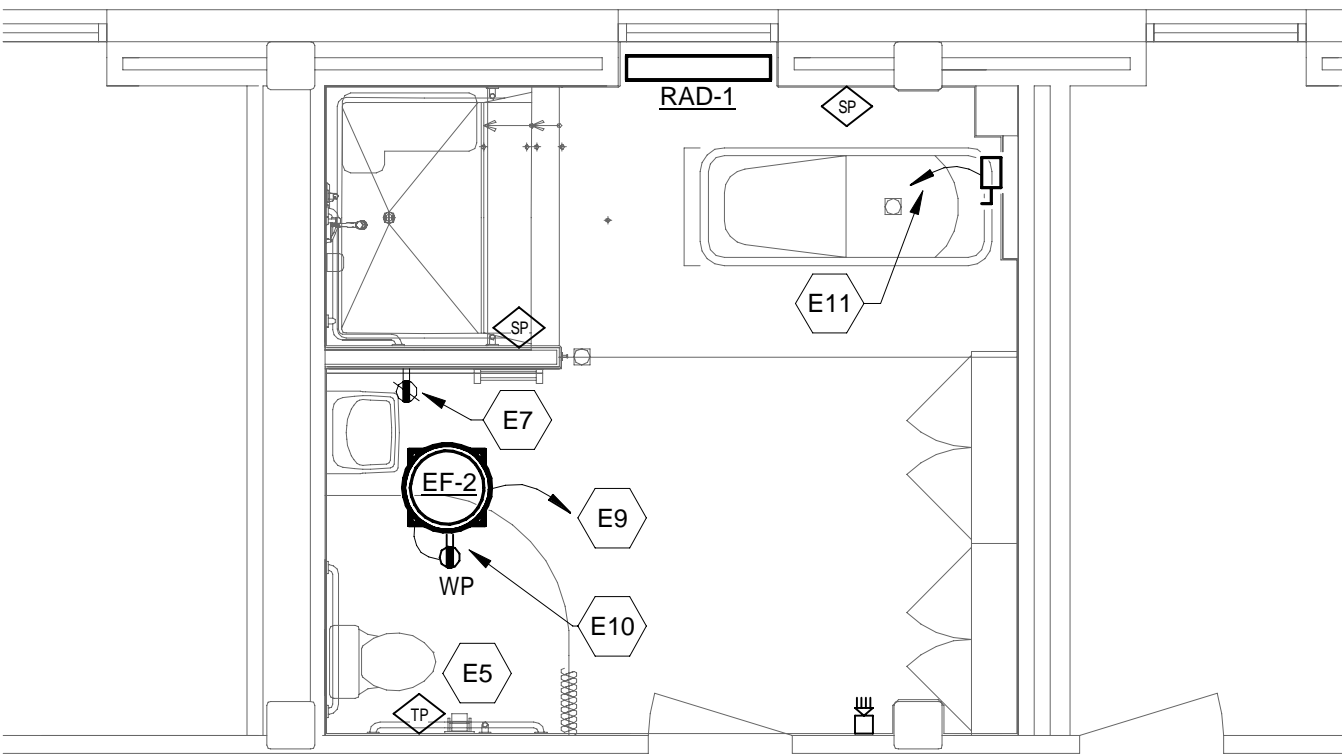
ENLARGED LIGHTING PLAN - BATHROOM 243

1/4" = 1'-0"



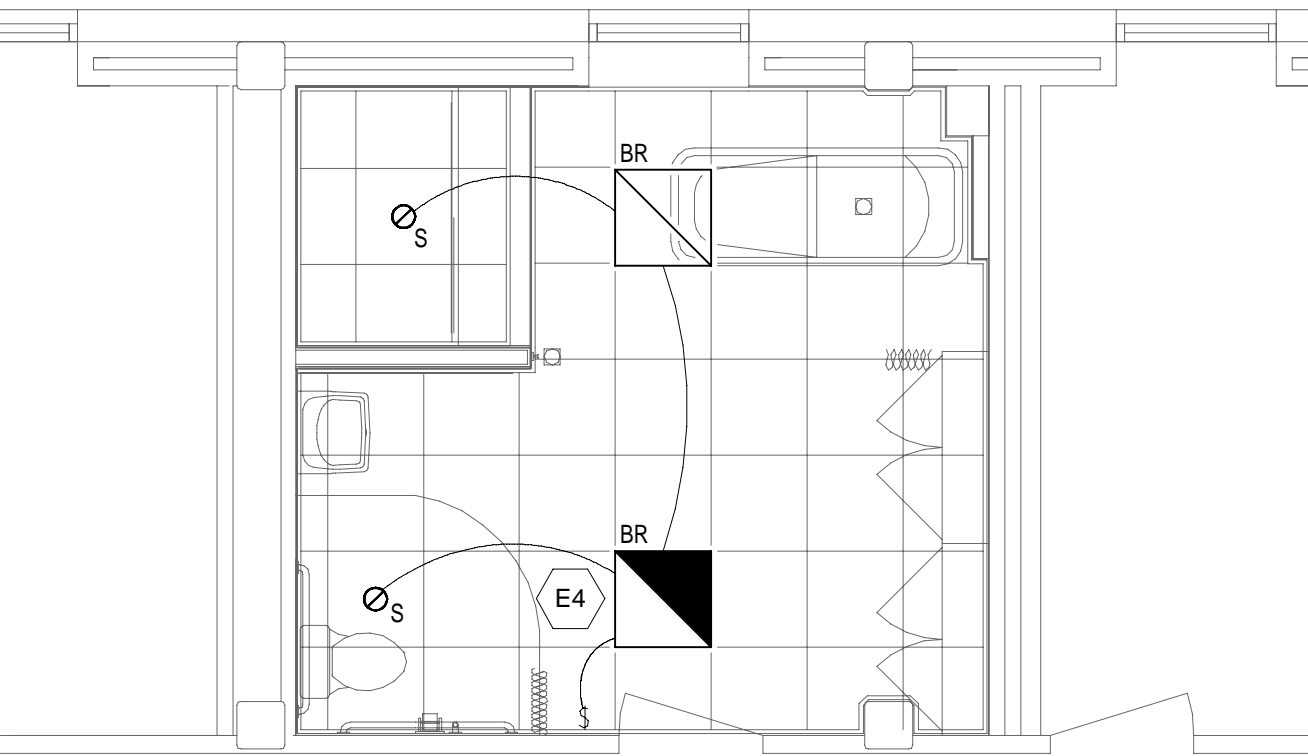
ENLARGED ELECTRICAL DEMOLITION - BATHROOM 336

1/4" = 1'-0"



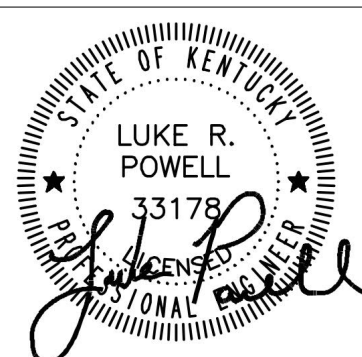
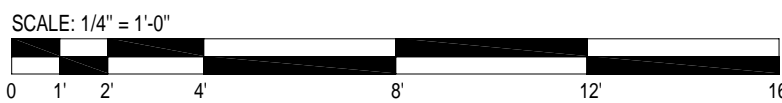
ENLARGED POWER AND SYSTEMS PLAN - BATHROOM 336

1/4" = 1'-0"



ENLARGED LIGHTING PLAN - BATHROOM 336

1/4" = 1'-0"



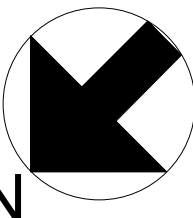
RENOVATION TO CENTRAL BATHS
SANSBURY CARE CENTER
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ENLARGED ELECTRICAL PLANS

DATE	DRAWN BY	CHECKED	REVISIONS
8/14/2025	APL	LRP	

SHEET NO.
E2.1



ELECTRICAL MATERIAL SPECIFICATIONS

WIRING DEVICES

- A. DUPLEX RECEPTACLE TO BE 20 AMP, 125 VOLTS, 5-20R CONFIGURATION, BRIGHT WHITE COLOR.
- B. RECEPTACLE GFCI TO BE 20 AMP, 125 VOLTS, 5-20R CONFIGURATION, BRIGHT WHITE COLOR.
- C. SWITCH, SINGLE POLE, TO BE 20 AMP, 120 VOLTS, SPST, BRIGHT WHITE COLOR OF INTERMEDIATE GRADE.
- D. FOR ALL DEVICES, PROVIDE FIRE RATED BACKBOXES OF SAME FIRE RATING IN FIRE RATED ASSEMBLIES. PROVIDE FIRESTOPPING IN FIRE RATED ASSEMBLIES PER AHJ REQUIREMENTS.
- E. ALL DEVICES SHALL BE MINIMUM INTERMEDIATE GRADE OR AS REQUIRED BY NEC, WHICHEVER IS MORE STRINGENT.
- F. PROVIDE AFCI AND/OR TAMPER RESISTANT DEVICES WHERE REQUIRED BY NEC.



PLATES/COVERS

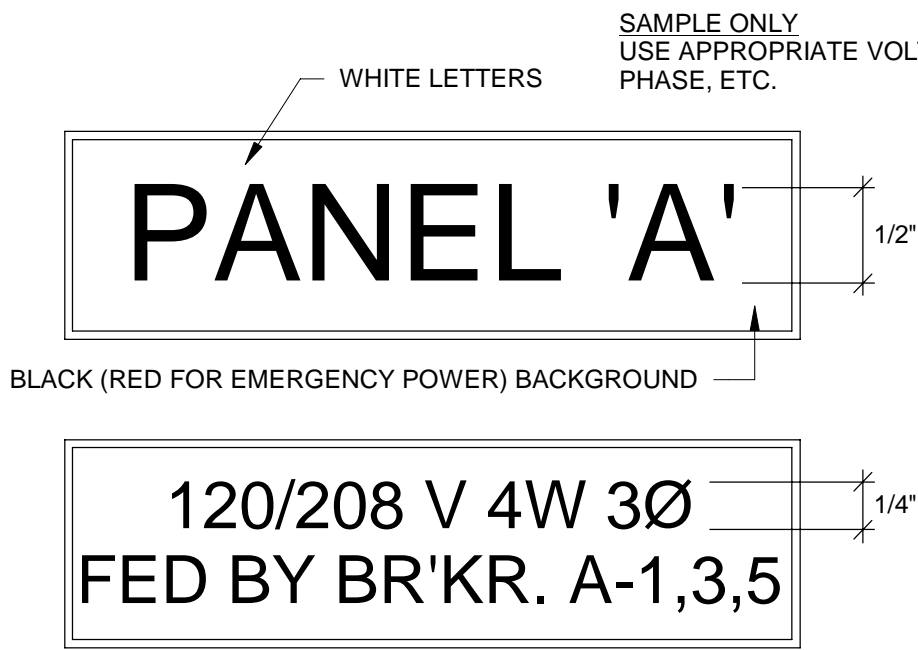
- A. SHALL BE STANDARD SIZE, PLASTIC, BRIGHT WHITE COLOR OF INTERMEDIATE GRADE.

GENERAL

- A. ALL CIRCUITS SHALL BE IN EMT CONDUIT (3/4" MINIMUM), FLEXIBLE METAL CABLE IS ACCEPTABLE WHERE INSTALLED CONCEALED WITHIN WALLS AND ABOVE CEILING.
- B. CONTRACTOR SHALL PROVIDE GFCI PROTECTION FOR ALL ELECTRICAL DEVICES/CIRCUITS WITHIN THE PROJECT AREA IN ACCORDANCE WITH NEC.

LIGHT FIXTURE SCHEDULE

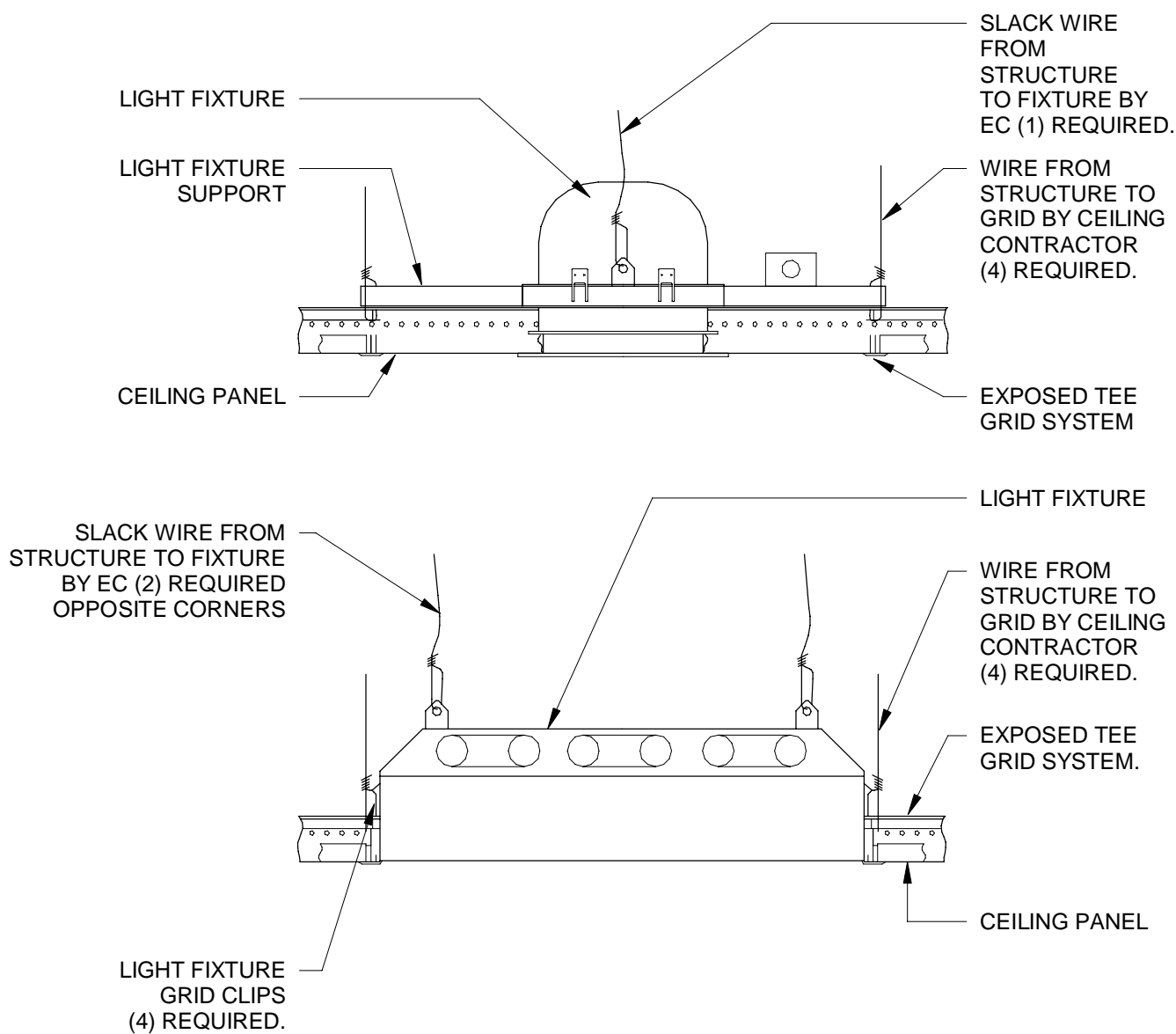
MARK	MANUFACTURER	MODEL	FIXTURE DESCRIPTION	MOUNTING	LAMPS	LUMENS	COLOR TEMP	CRI	INPUT WATTS	FIXTURE VOLTAGE RATING	CIRCUIT VOLTS	IMAGE (IF AVAILABLE)
BR	COLUMBIA	LJT22-40HLG-FSA12-EDU	2x2 ARCHITECTURAL LED TROFFER FIXTURE FOR GRID LAY-IN CEILING INSTALLATION. WHITE STEEL HOUSING WITH CURVED ACRYLIC LENS. 0-10V DIMMABLE, SUITABLE FOR WET LOCATION. PROVIDE WITH 90-MIN BATTERY BACKUP WHERE DENOTED WITH SOLID HATCH ON PLANS.	LAY-IN	LED	3743 lm	4000 K	>80	33 W	UNV	120 V	
S	ELITE	HH6-LED-1500L-DIM10-MVOLT-WD-40K-90-HH6-6534-CL-WH	6 INCH DOWNLIGHT, 0-10V 1% DIMMABLE, CLEAR ALZAK REFLECTOR. WHITE TRIM. SUITABLE FOR WET LOCATIONS.	RECESSED	LED	1500 lm	4000 K	>80	15 W	UNV	120 V	



PANEL AND DISCONNECT LABEL DETAIL

2

NOT TO SCALE



1

TYPICAL CEILING GRID LIGHT FIXTURE DETAIL

NOT TO SCALE