

RENOVATION TO CENTRAL BATHS

SANSBURY CARE CENTER

2625 BARDSTOWN ROAD - ST. CATHERINE, KENTUCKY 40061

DECEMBER 31, 2024

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):	840 S.F. ~ OK

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

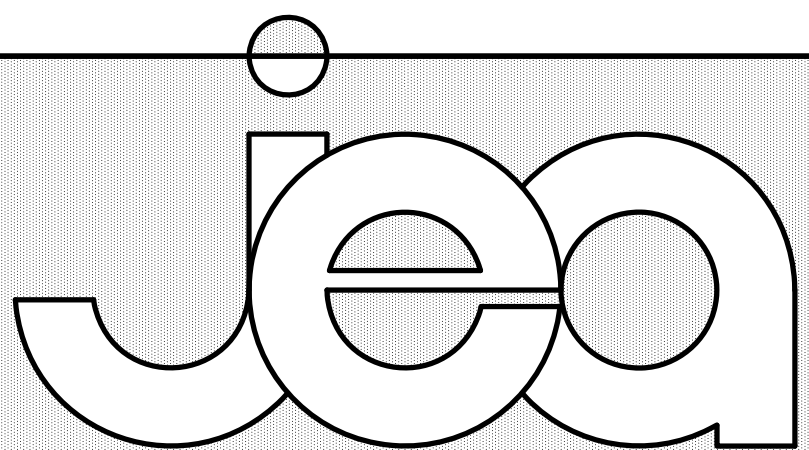
2012 INTERNATIONAL ENERGY CONSERVATION CODE (FOR USE WITH COMMERCIAL BUILDINGS ONLY)

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)



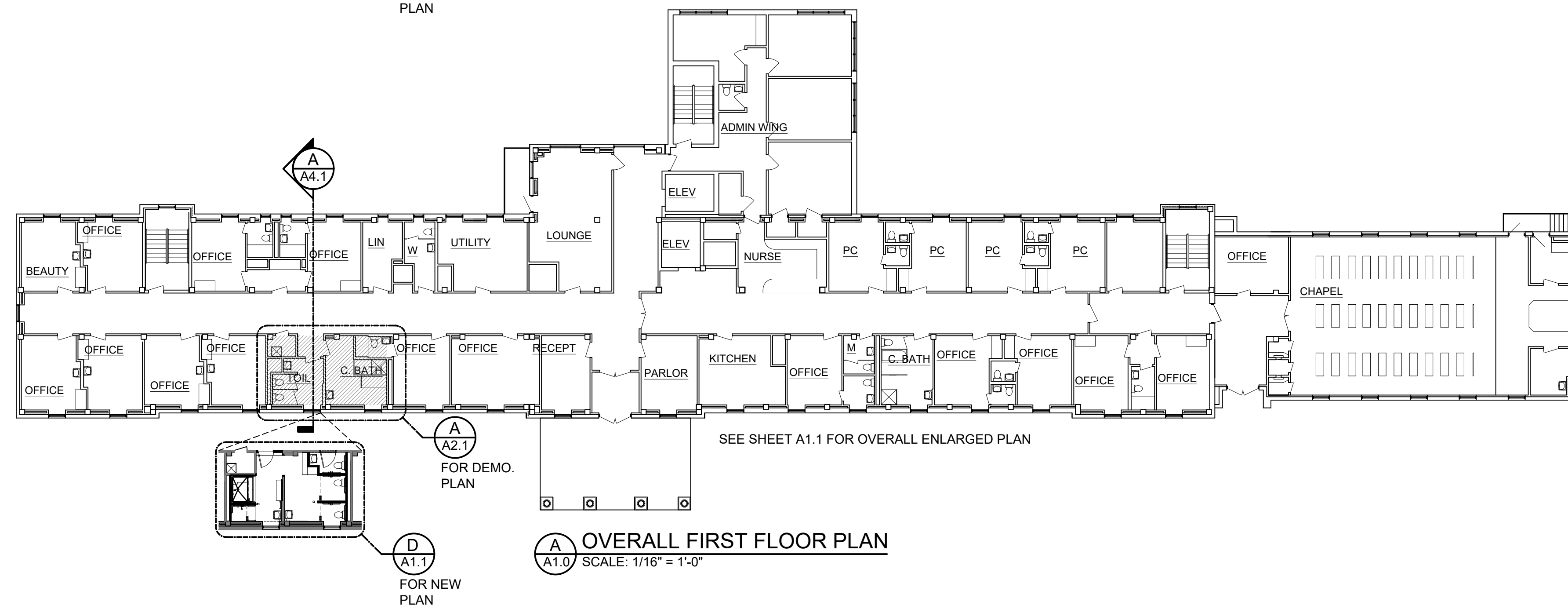
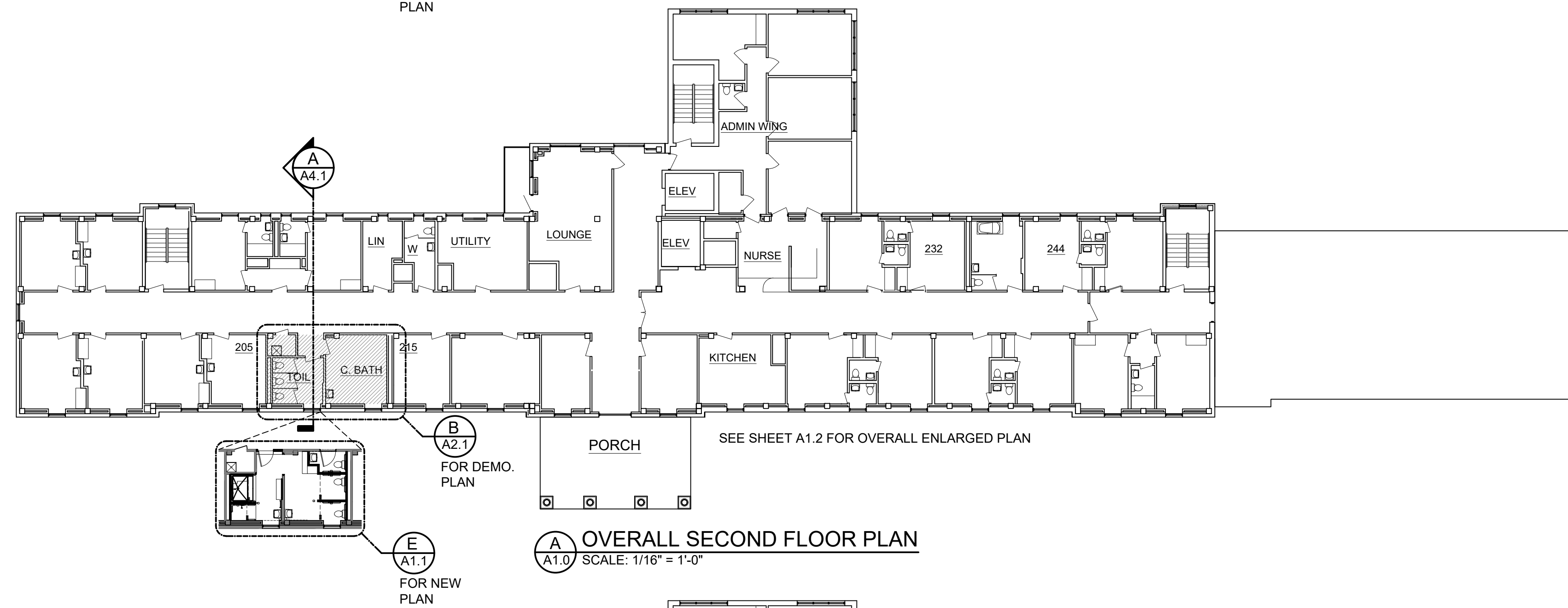
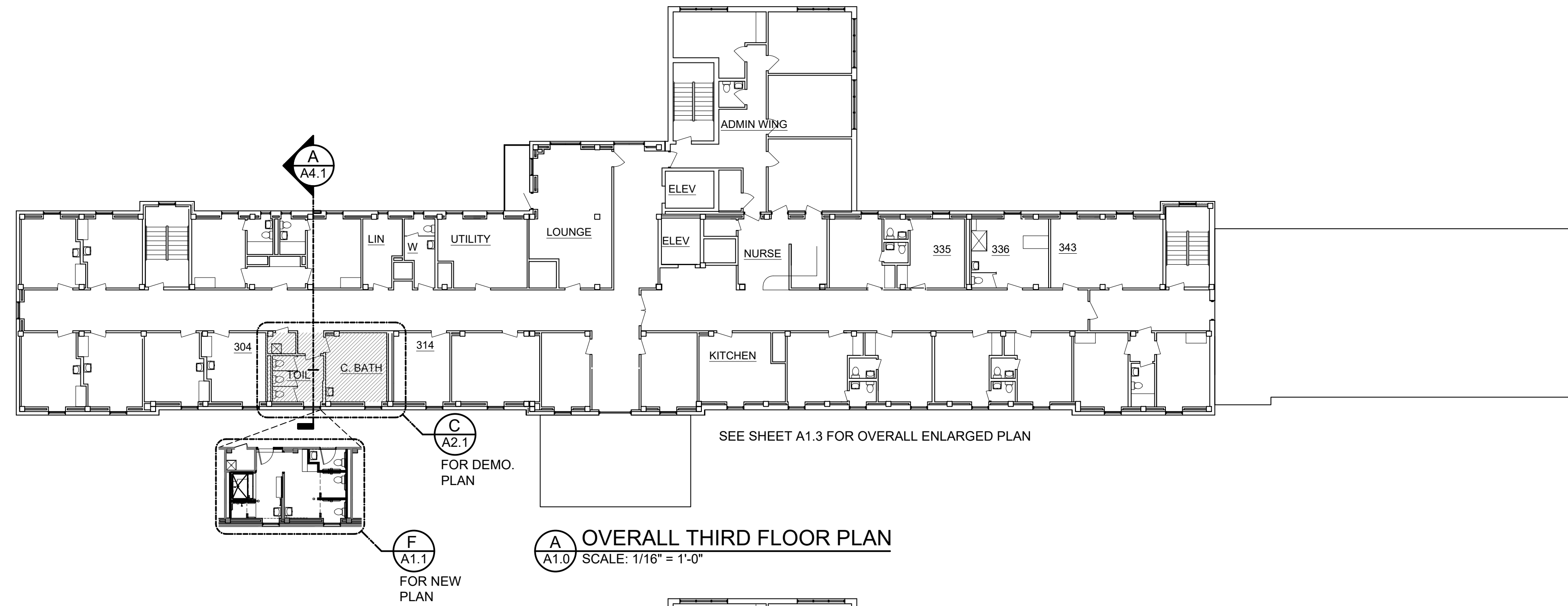
johnson • early • architects
131 prosperous place, suite 19b • lexington, kentucky 40509
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DRAWING INDEX

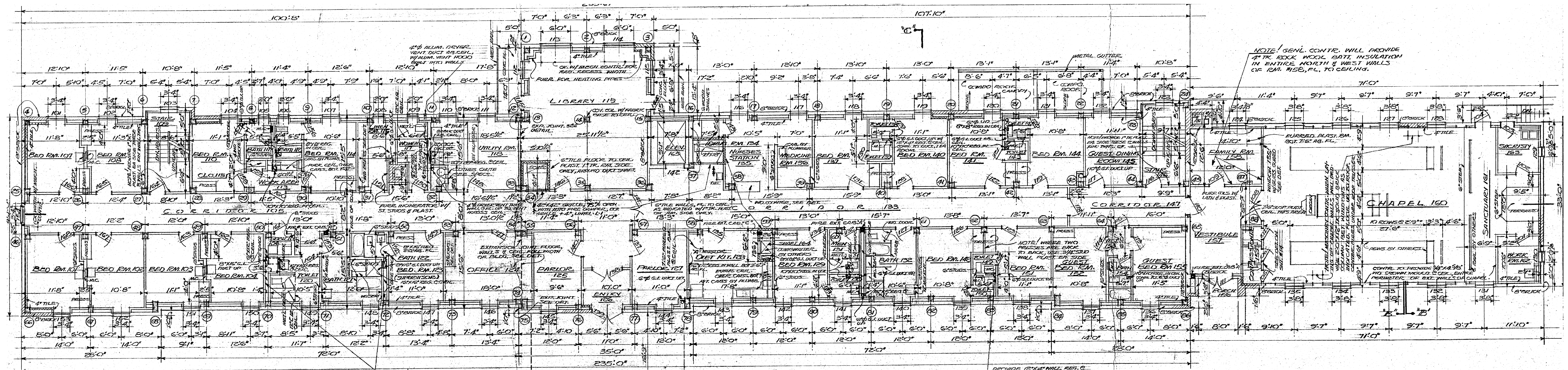
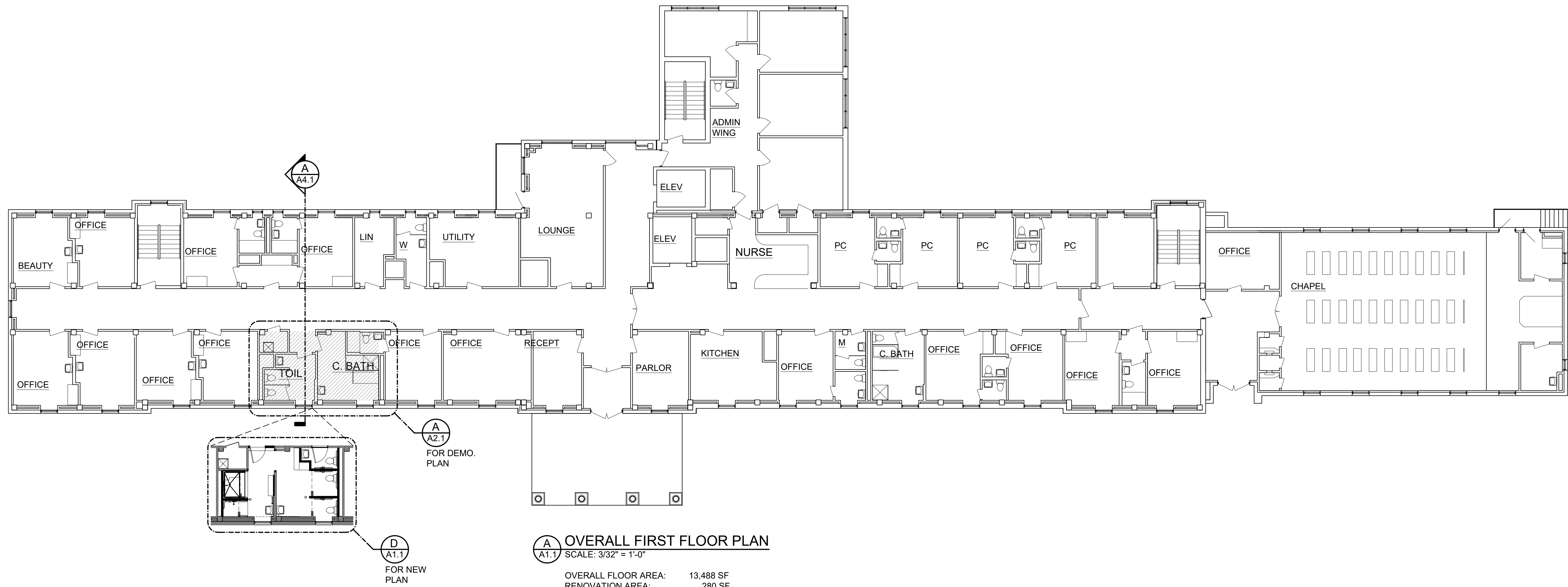
COVER SHEET

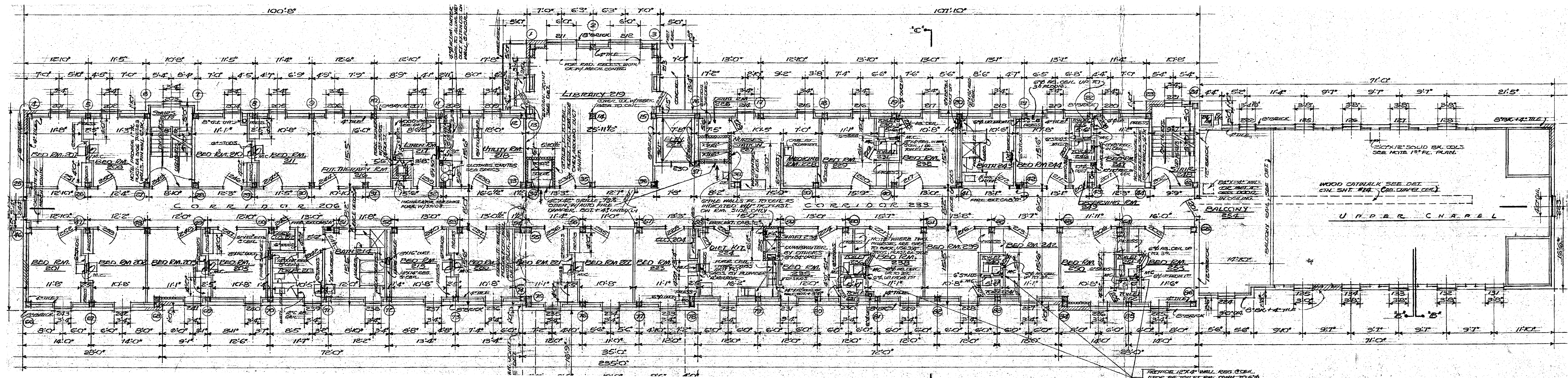
- A1.0 OVERALL KEY FLOOR PLANS
- A1.1 FIRST FLOOR PLAN
- A1.2 SECOND FLOOR PLAN
- A1.3 THIRD FLOOR PLAN
- A2.1 ENLARGED ROOM TYPE PLANS
- A2.2 INTERIOR ELEVATIONS & TILING DETAILS
- A3.1 TYPICAL MOUNTING HEIGHTS
- A4.1 BUILDING CROSS SECTION
- M0.1 MECHANICAL LEGEND AND NOTES
- FP2.1 ENLARGED FIRE PROTECTION PLANS
- P2.1 ENLARGED PLUMBING PLANS
- P5.1 PLUMBING SCHEDULE AND DETAILS
- M2.1 ENLARGED MECHANICAL PLANS
- M5.1 MECHANICAL SCHEDULE AND DETAILS
- E0.1 ELECTRICAL LEGEND AND NOTES
- E2.1 ENLARGED ELECTRICAL PLANS
- E5.1 ELECTRICAL SCHEDULE AND DETAILS






	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@jeaarchitects.net			
	OVERALL KEY FLOOR PLANS			
	DATE DECEMBER 31, 2024	DRAWN BY JEC	CHECKED BY JEC	REVISIONS
	SHEET NO. A1.0			



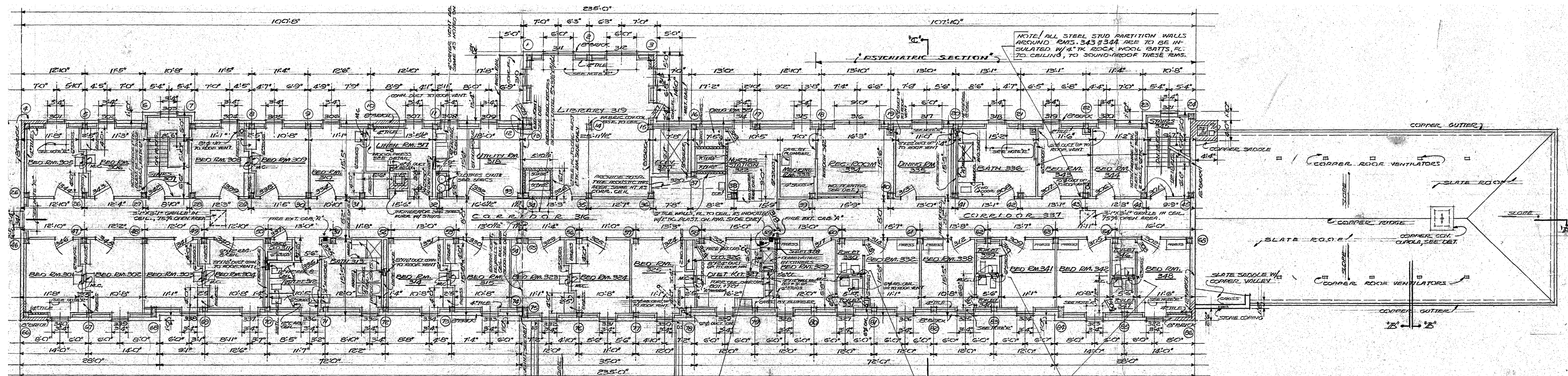


X A1.2 ORIGINAL SECOND FLOOR PLAN
SCALE: 3/32" = 1'-0"
OVERALL FLOOR AREA: 11,145 SF
FOR REFERENCE ONLY

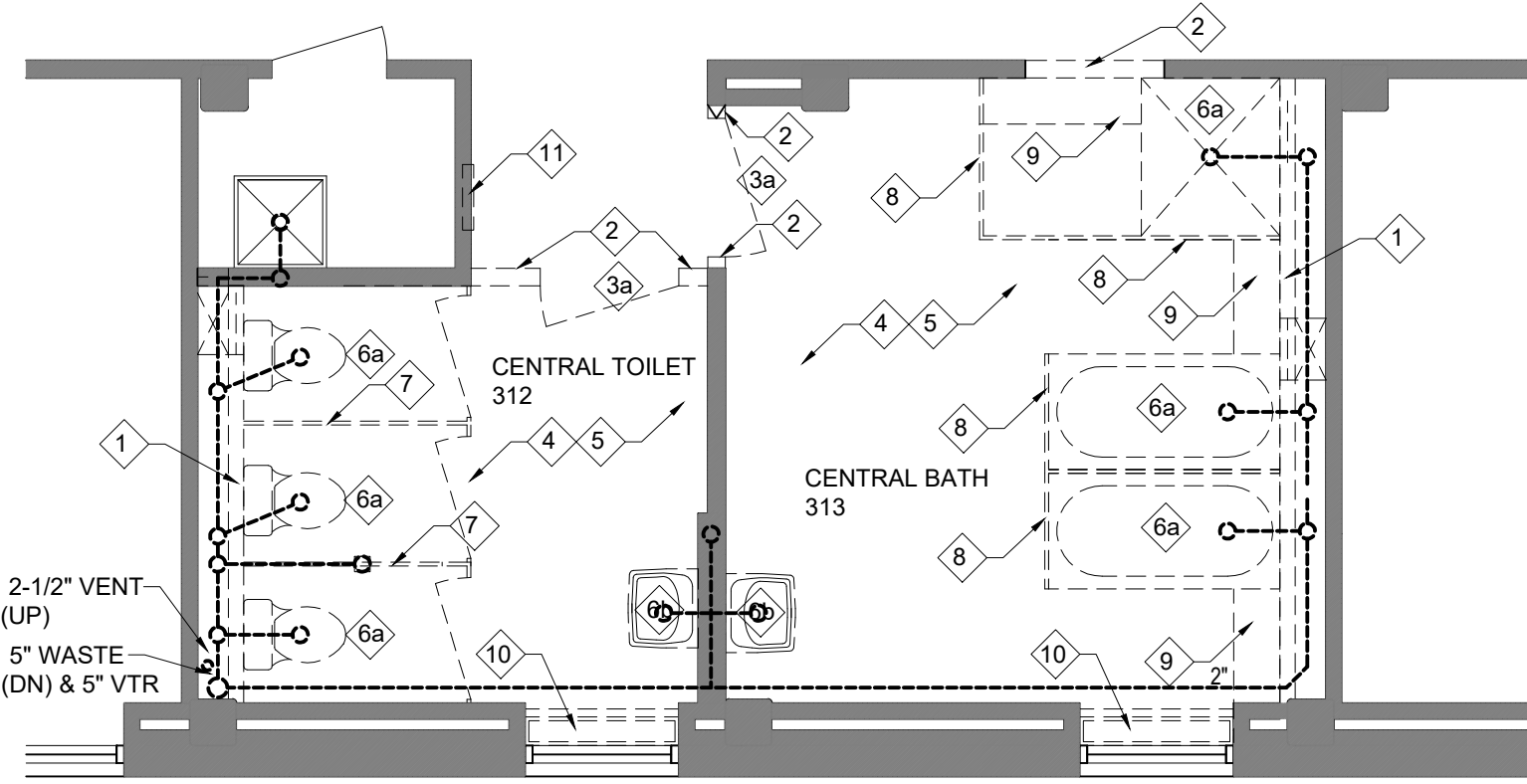
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	OVERALL SECOND FLOOR PLAN	
	DATE DECEMBER 31, 2024	DRAWN BY JEC

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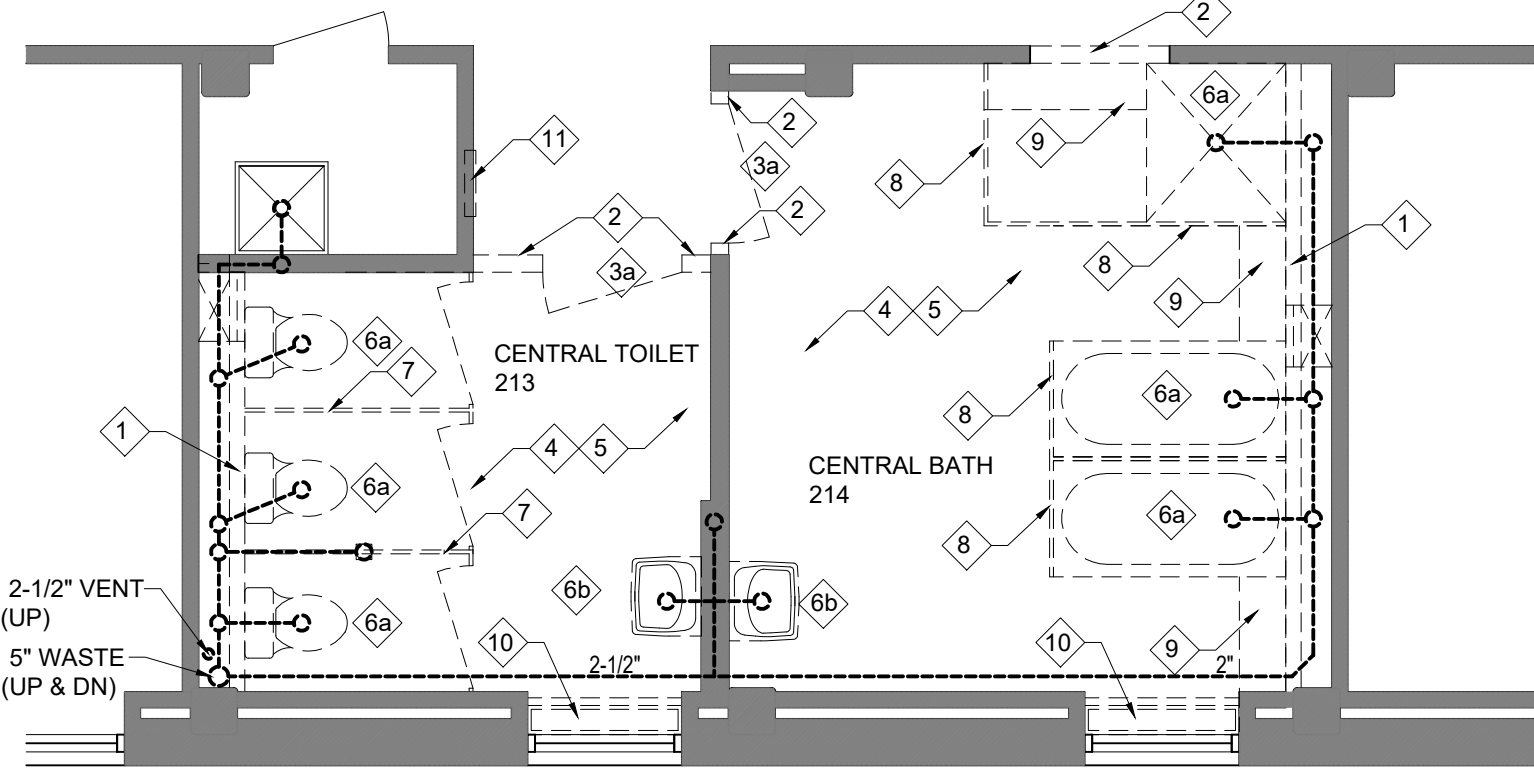
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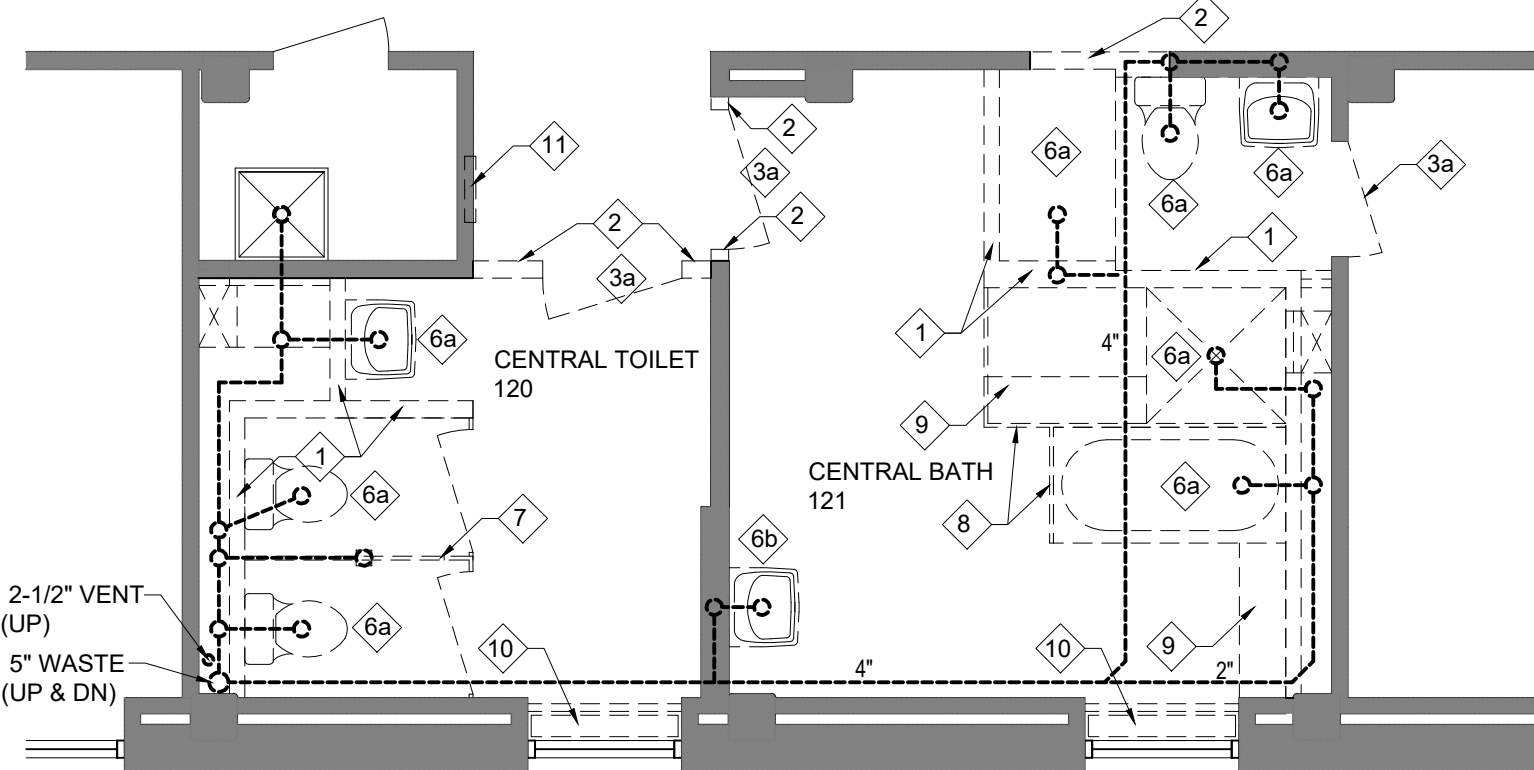
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	OVERALL THIRD FLOOR PLAN			
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	SHEET NO. A1.3			



C ENLARGED DEMO PLAN - ROOMS 312 & 313
A2.1 SCALE: 1/4" = 1'-0"



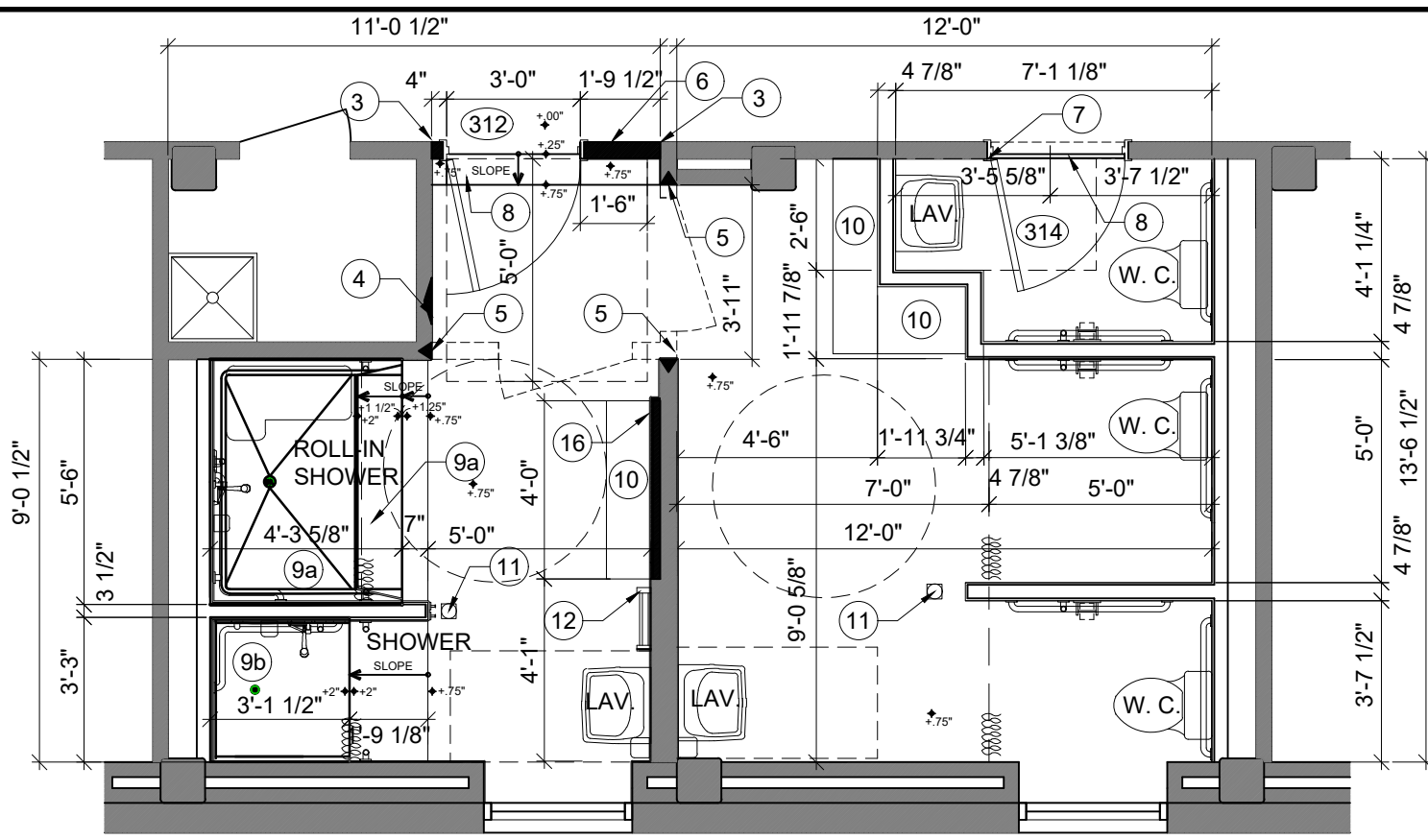
B ENLARGED DEMO PLAN - ROOMS 213 & 214
A2.1 SCALE: 1/4" = 1'-0"



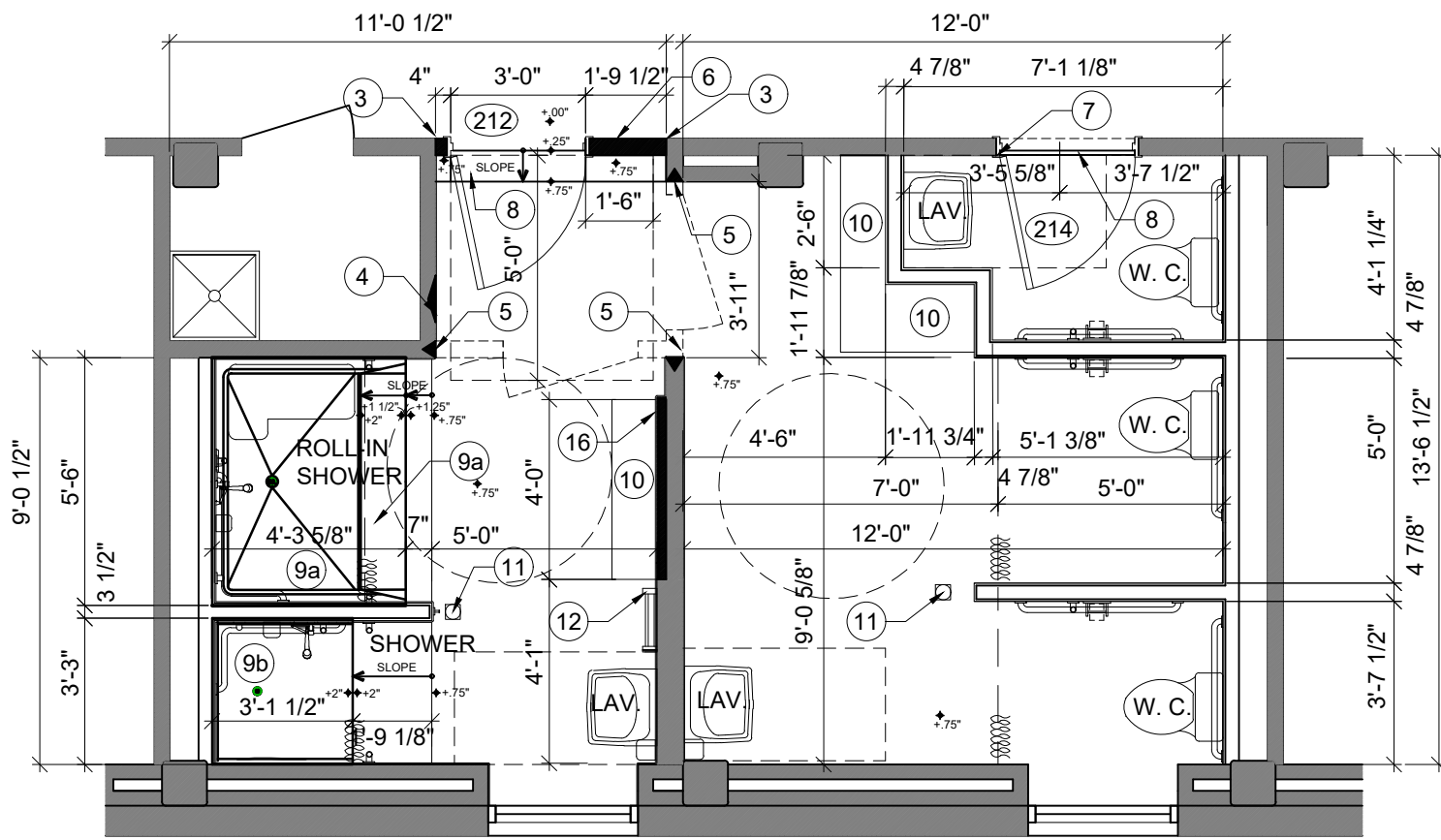
A ENLARGED DEMO PLAN - ROOMS 120 & 121
A2.1 SCALE: 1/4" = 1'-0"

DEMOLITION - PLAN NOTES

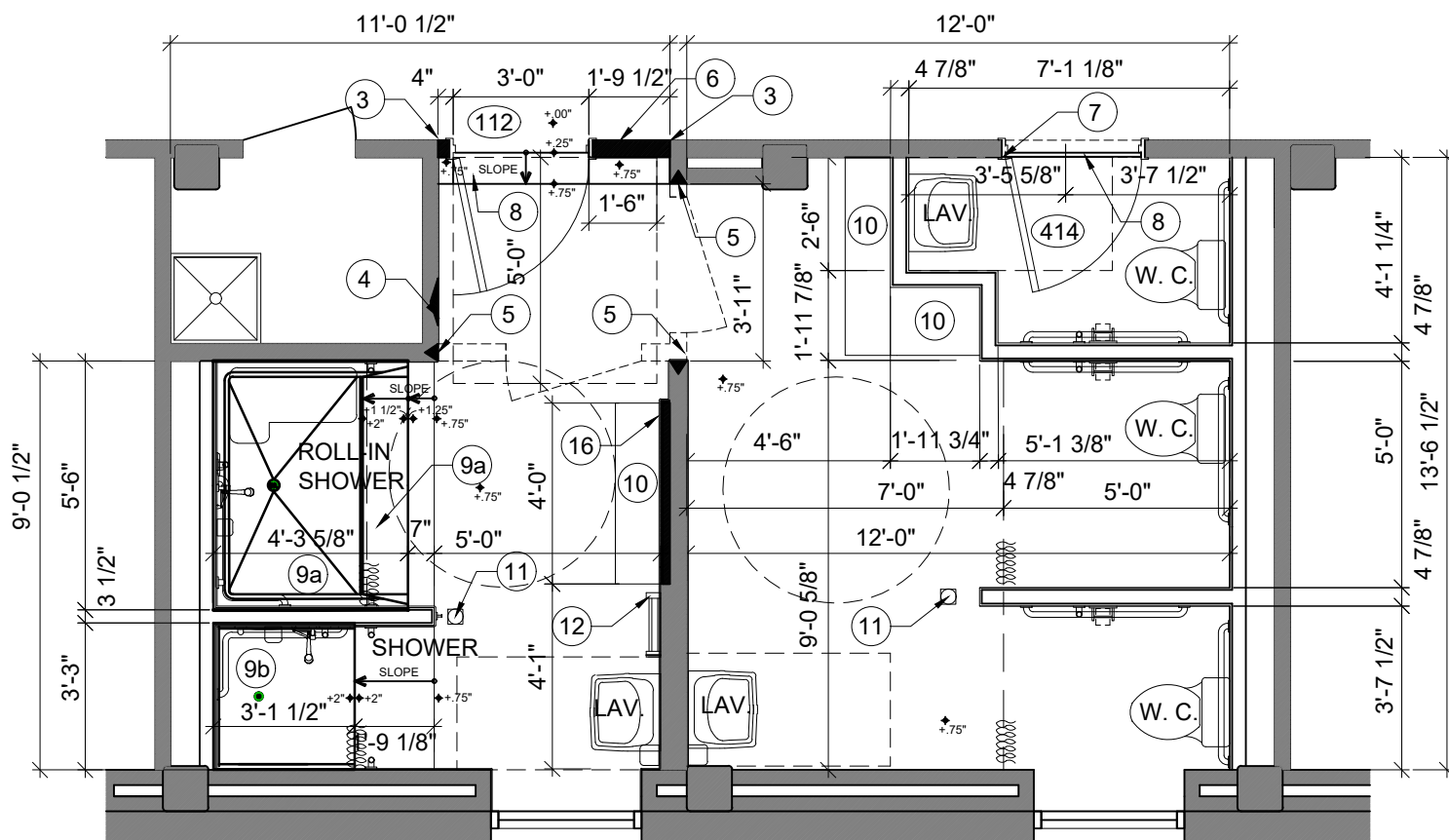
- REMOVE EXISTING WALL.
- REMOVE PORTION OF WALL AS REQ'D FOR NEW OPENING.
- a. REMOVE DOOR & FRAME.
b. REMOVE DOOR ONLY
- REMOVE CERAMIC FLOOR AND WALL TILE AND WAINSCOT
- REMOVE CEILING, INCLUDING GRILLES, REGISTERS, DIFFUSERS, AND LIGHT FIXTURES. SPRINKLER HEADS TO REMAIN, BUT MAY REQUIRE RELOCATION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



F ENLARGED NEW PLAN - ROOMS 312 & 313
A2.1 SCALE: 1/4" = 1'-0"



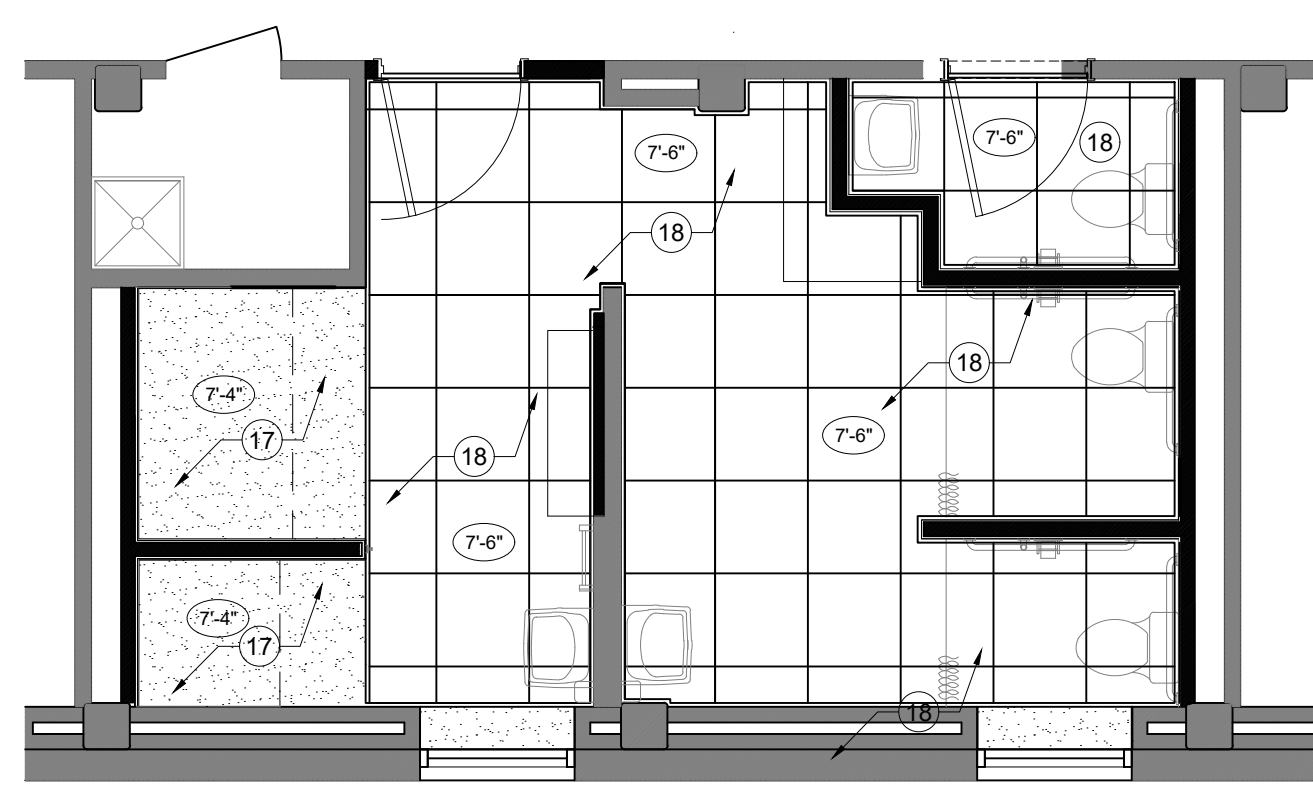
E ENLARGED NEW PLAN - ROOMS 312 & 313
A2.1 SCALE: 1/4" = 1'-0"



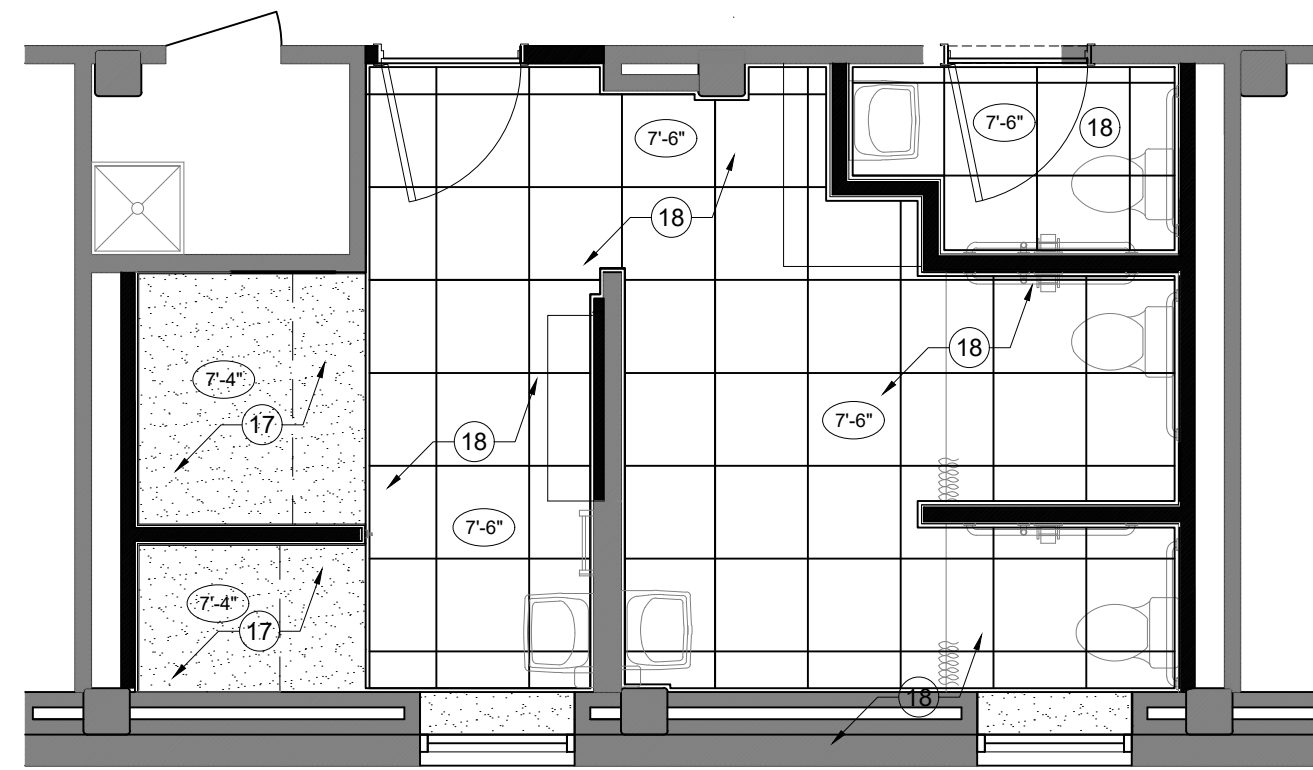
D ENLARGED NEW PLAN - ROOMS 312 & 313
A2.1 SCALE: 1/4" = 1'-0"

NEW WORK - PLAN NOTES

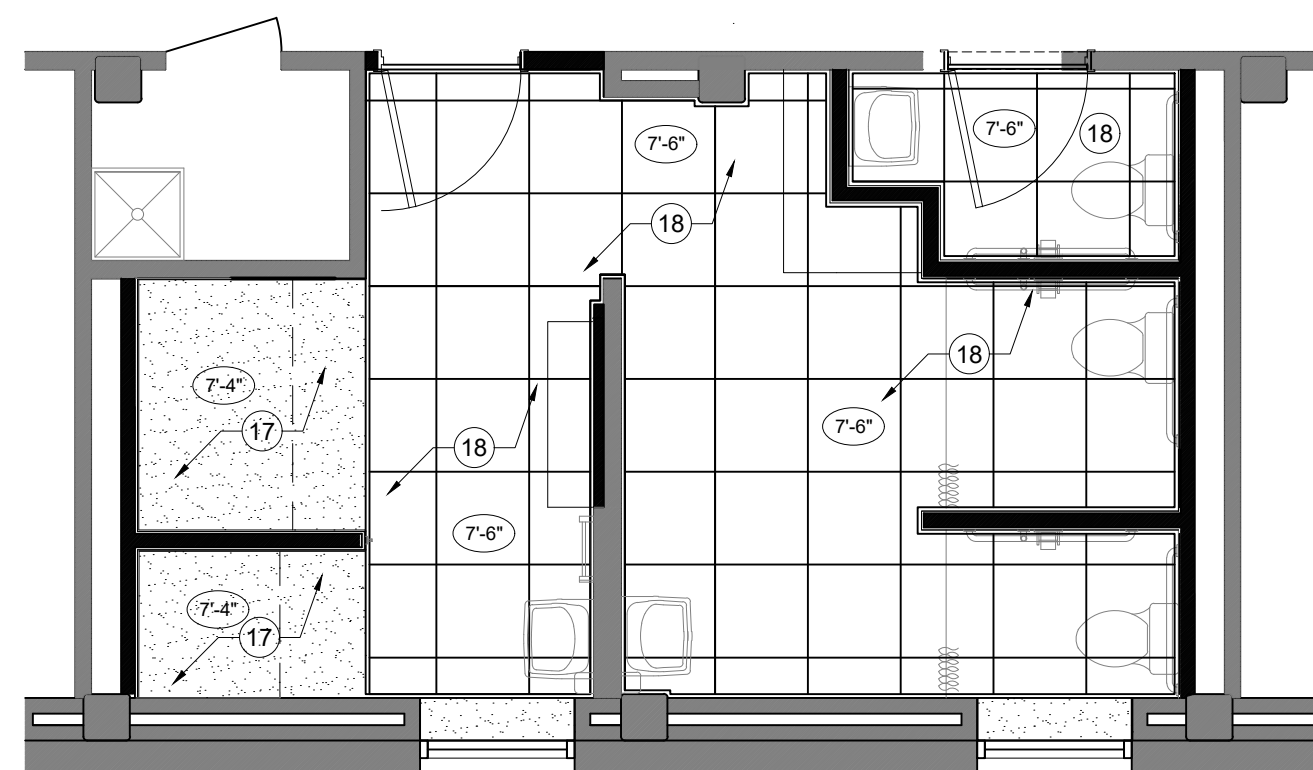
- NEW WALL - (3-5/8" MTL. STUDS WITH 5/8" GYP. BD. (MOISTURE-RESISTANT) EACH SIDE (PAINT). ALL PARTITIONS TO HAVE 3-1/2" SOUND ATTENUATION BATT INSULATION IN CAVITY. REFER TO ELEVATIONS FOR REQUIRED FINISHES (PAINT OR CERAMIC TILE. AT CERAMIC TILE WALLS PROVIDE CEMENT BOARD IN LIEU OF GYPSUM BOARD.
- ALL EXISTING GYPSUM BOARD WHICH IS TO REMAIN AND EXPOSED TO VIEW SHALL BE REPAIRED AND PAINTED.
- ALIGN NEW WALL WITH:
a. WALL;
b. WINDOW JAMB;
c. CENTER OF WINDOW MULLION.
- REPAIR WALL AS REQUIRED AT REMOVED ELECTRICAL PANEL.
- REPAIR WALL AT REMOVED WALL.
- NEW INFILL AT EXISTING OPENING. MATCH ADJACENT WALL CONSTRUCTION.
- WD DOOR WITH HM FRAME AT NEW DOOR OPENING
- NEW MARBLE THRESHOLD.
- PREFABRICATED TERRAZZO SHOWER BASE EQ. TO ACORN ENGINEERING CO.
a. SBADAR-6036-3F;
b. SBADAR-36-3F.
- NEW WALL HUNG STORAGE CABINET/SHELVING BY OWNER. DESIGN T.B.D. BY OWNER; INSTALL BY G.C.
- NEW FLOOR DRAIN
- NEW TOWEL WARMER
- CERAMIC TILE FLOORING - NON-SLIP
- 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.)
- WALL THICKNESS MAY HAVE TO BE ALTERED TO ACCOMMODATE SHOWER BASES. FIELD VERIFY WIDTH REQUIRED.
- INFILL WALL OFF-SET TO LENGTHEN THICKEST PART TO ALLOW FOR A 4' WIDE x 1' DEEP SHELVING UNIT
- MOISTURE RESISTANT GYPSUM BOARD CEILING AT SHOWER STALLS. FINISH WITH MOISTURE/MOLD-RESISTANT PAINT.
- SUSPENDED ACOUSTICAL CEILING SYSTEM WITH 2x2 LAY-IN GYPSUM CEILING PANELS, EQ. TO USG SHEETROCK BRAND.



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

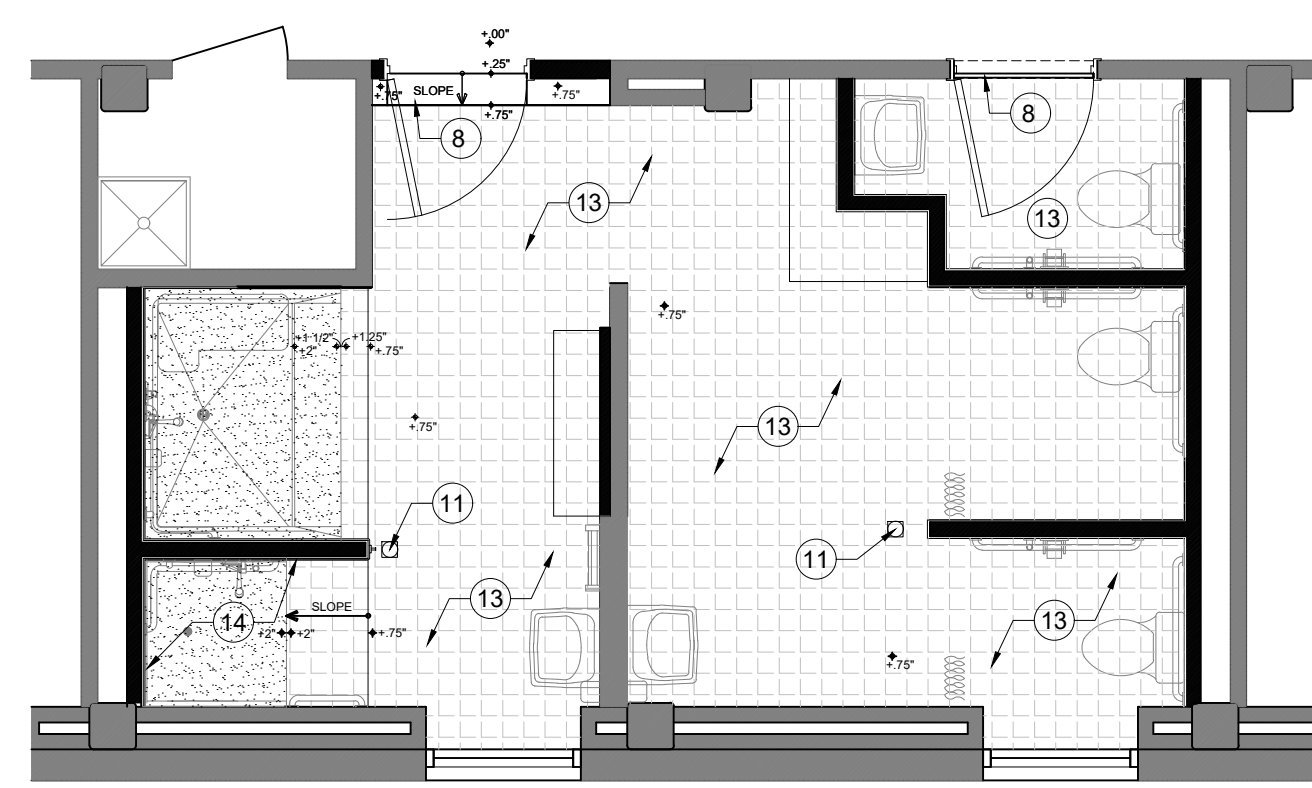
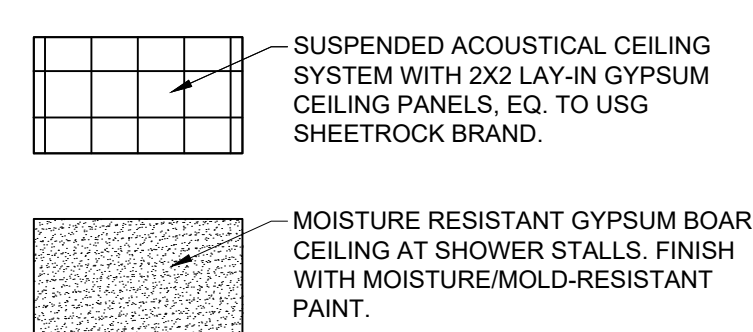


J REFLECTED CEILING PLAN - NEW WORK
A2.1 SCALE: 1/4" = 1'-0"

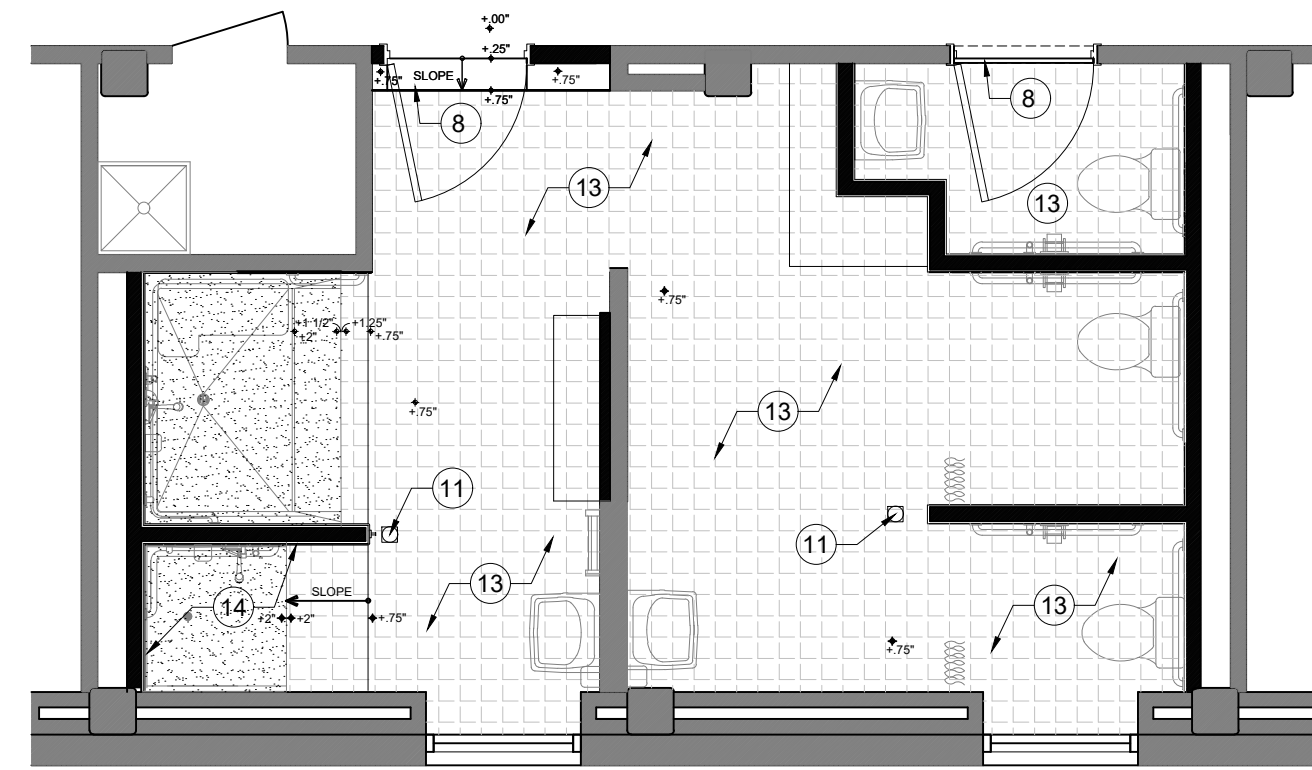


H REFLECTED CEILING PLAN - NEW WORK
A2.1 SCALE: 1/4" = 1'-0"

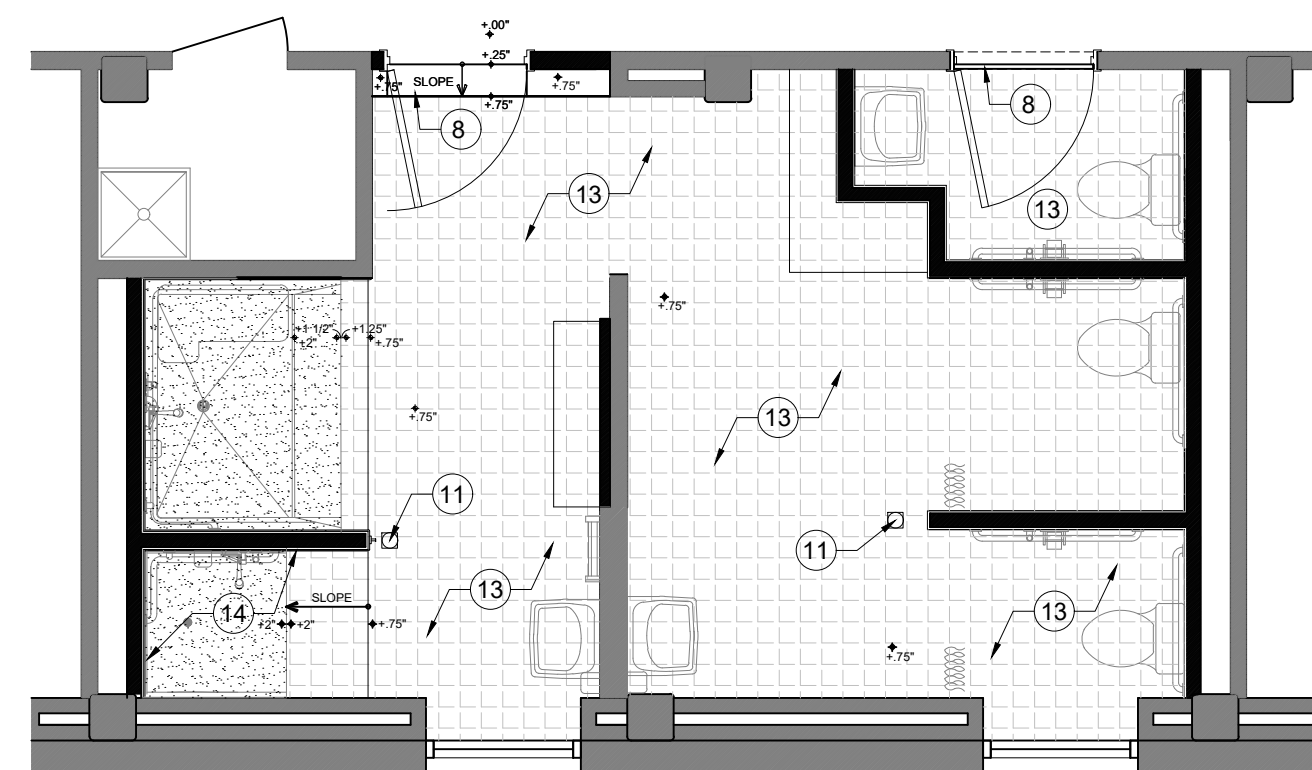
REFLECTED CEILING - LEGEND



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

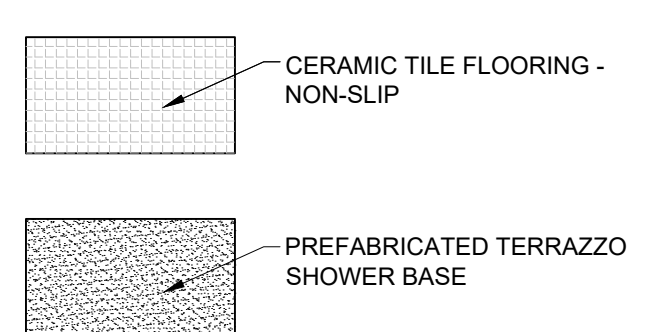


M FLOOR FINISHES PLAN - NEW WORK
A2.1 SCALE: 1/4" = 1'-0"

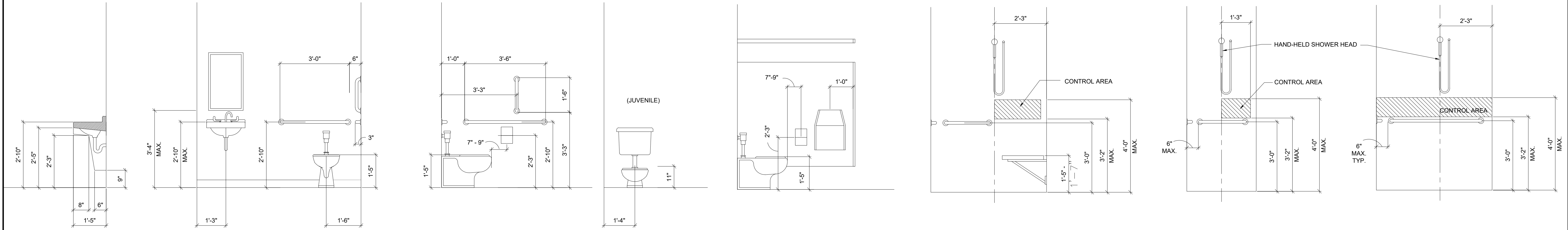


L FLOOR FINISHES PLAN - NEW WORK
A2.1 SCALE: 1/4" = 1'-0"

FLOOR FINISHES - LEGEND



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	ENLARGED ROOM TYPE PLANS			
	DATE DECEMBER 19, 2024	DRAWN BY JEC	CHECKED BY JEC	REVISIONS
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LAVATORY, GRAB BAR, MIRROR AND WATER CLOSET (FLUSH CONTROL ON APPROACH SIDE); - ADA COMPLYING MOUNTING HEIGHTS

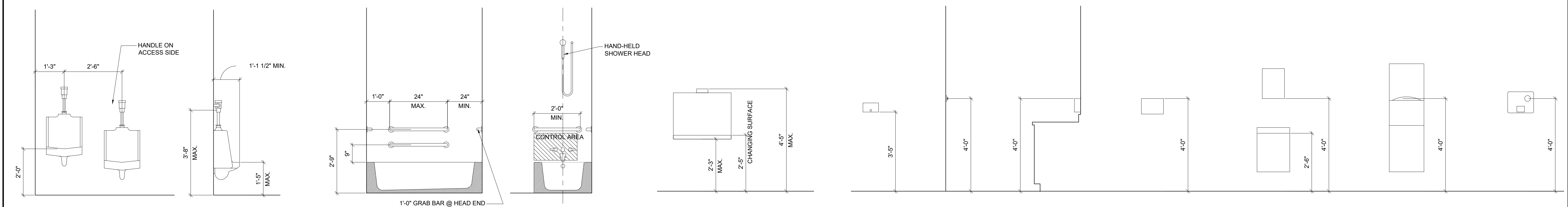
TOILET PAPER DISPENSER, GRAB BAR, AND WATER CLOSET; - ADA COMPLYING MOUNTING HEIGHTS

WATER CLOSET CHILD PROTECTION SEAT AND TOILET PAPER DISPENSER STANDARD MOUNTING HEIGHT

STANDARD ROLL-IN TYPE SHOWER COMPARTMENT WITH SEAT CONTROL LOCATION

TRANSFER TYPE SHOWER COMPARTMENT CONTROL LOCATION (OPPOSITE WALL FROM SEAT)

STANDARD ROLL-IN TYPE SHOWER COMPARTMENT CONTROL LOCATION



URINALS - STANDARD AND ADA MOUNTING HEIGHTS

BATHTUB, GRAB BARS; - ADA COMPLYING MOUNTING HEIGHTS

ADA COMPLYING FOLDING DIAPER CHANGING DECK STANDARD MOUNTING HEIGHT

SOAP DISPENSER

ROBE HOOK/ COAT HOOK

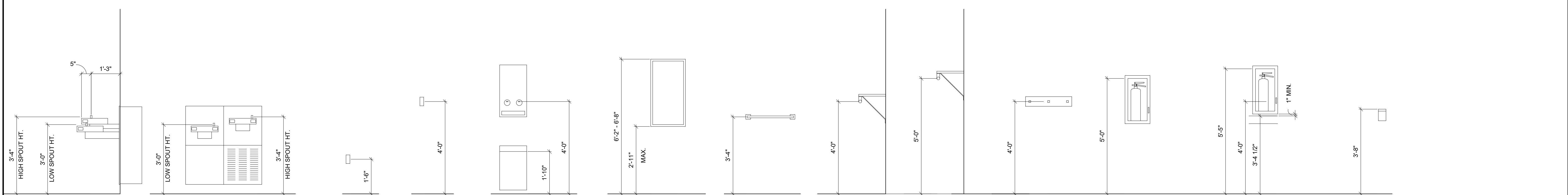
SMALL PAPER TOWEL DISPENSER AT CASEWORK

SMALL PAPER TOWEL DISPENSER

LARGE PAPER TOWEL DISPENSER & RECEPTACLE

PAPER TOWEL DISPENSER / RECEPTACLE

ELECTRIC HAND DRYER



ADA COMPLYING WATER COOLER FRONT OR SIDE APPROACH RECESSED

ELECTRIC OUTLET

THERMOSTAT OR LIGHT SWITCH

SANITARY NAPKIN DISPENSER AND RECEPTACLE

ADA FULL LENGTH MIRROR

TOWEL BAR

ADA COAT RACK

COAT RACK

MOP RACK

FIRE EXTINGUISHER CABINET

FIRE EXTINGUISHER CABINET AT WOOD TRIM & HANDRAIL

FIRE EXTINGUISHER BRACKET

TYPICAL MOUNTING HEIGHTS
SCALE: 1/2" = 1'-0"

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RENOVATION TO CENTRAL BATHS
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TYPICAL MOUNTING HEIGHTS

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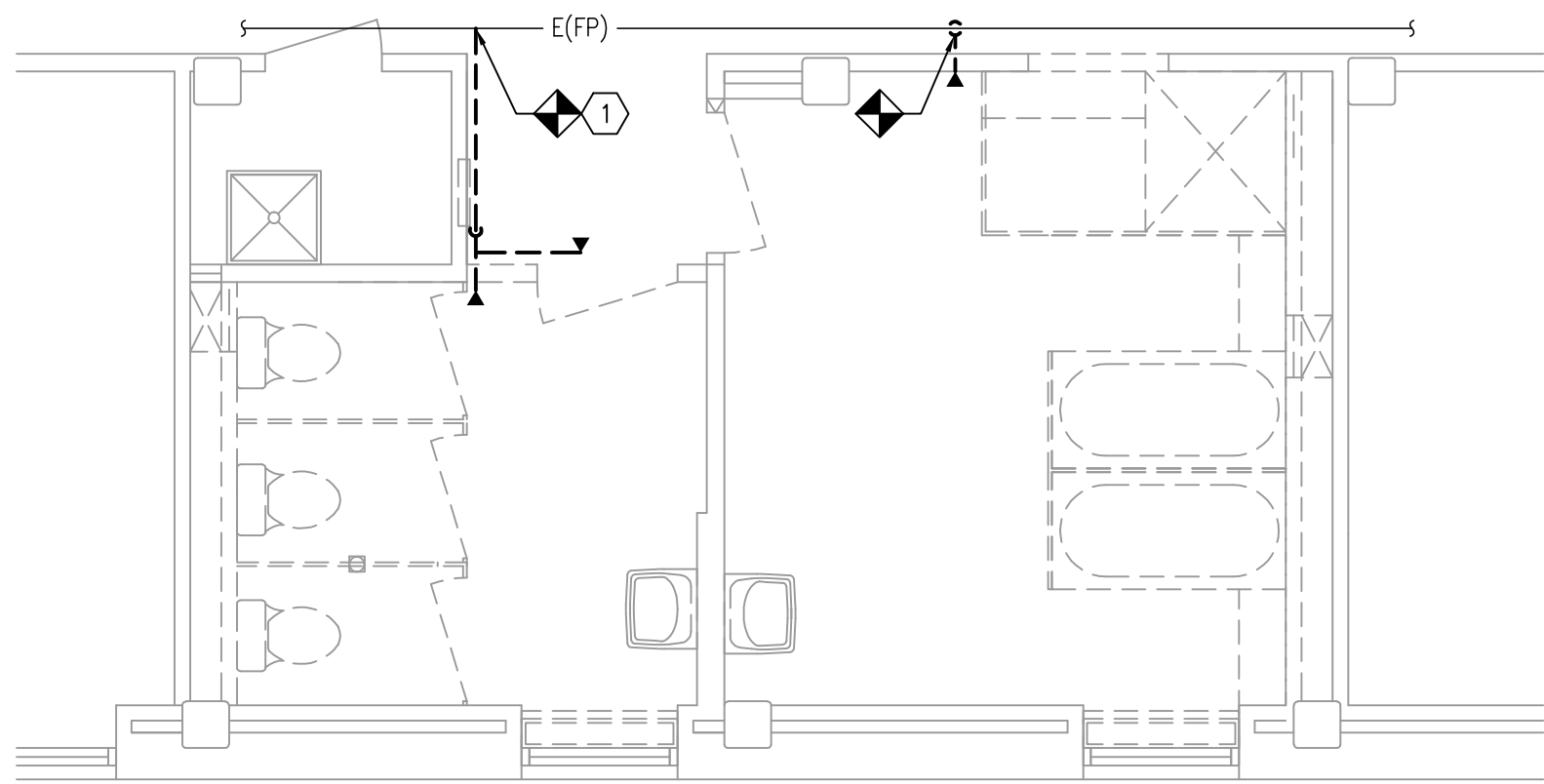
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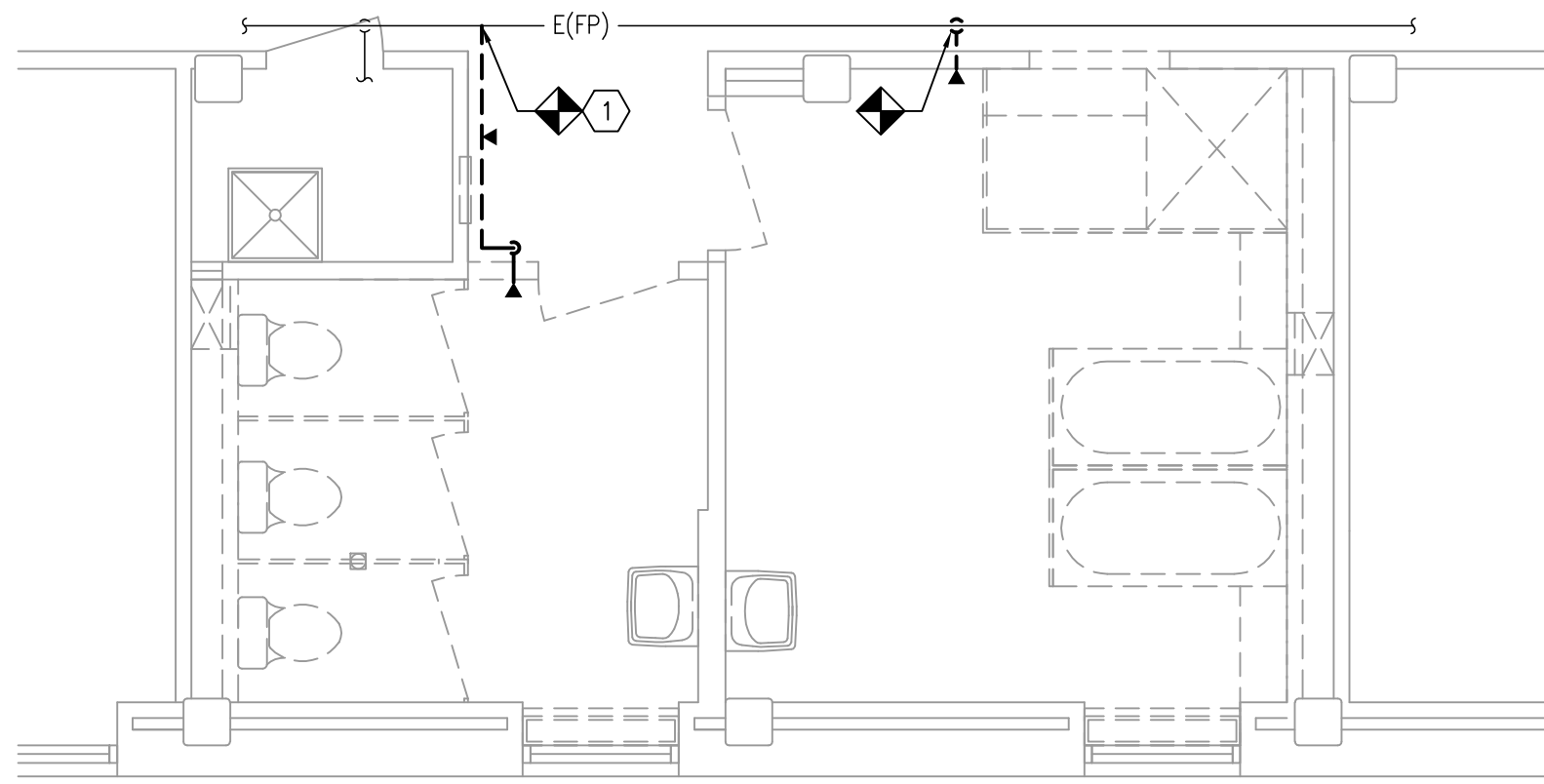
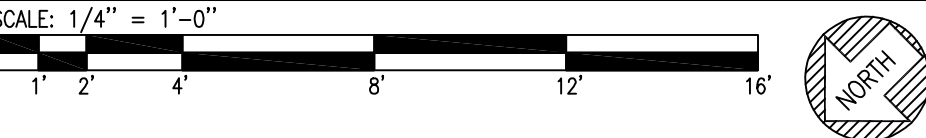


A CROSS SECTION THROUGH BUILDING
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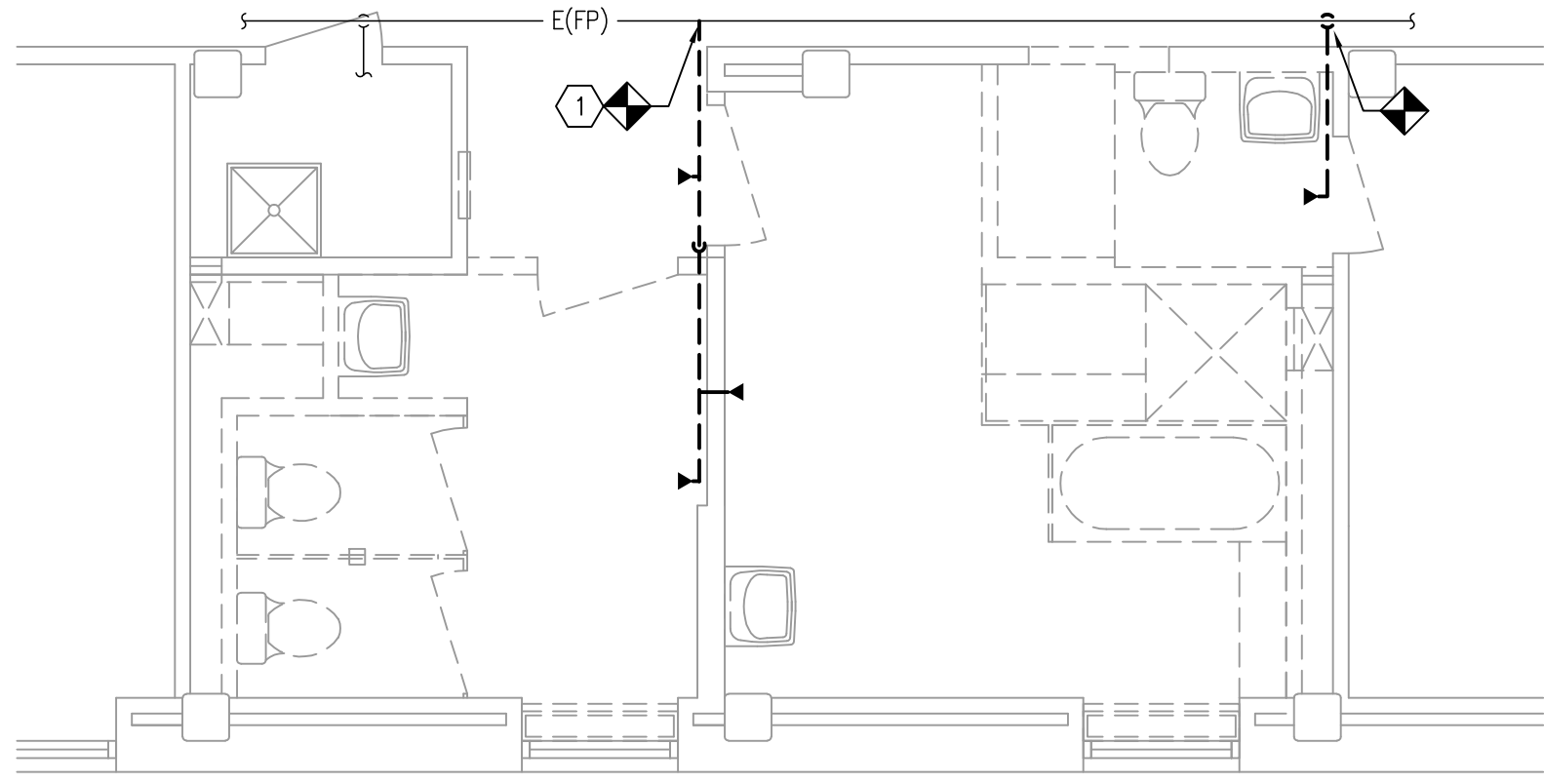
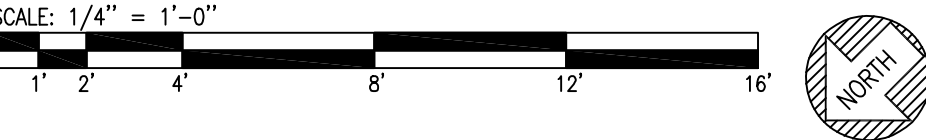
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	BUILDING CROSS SECTION			
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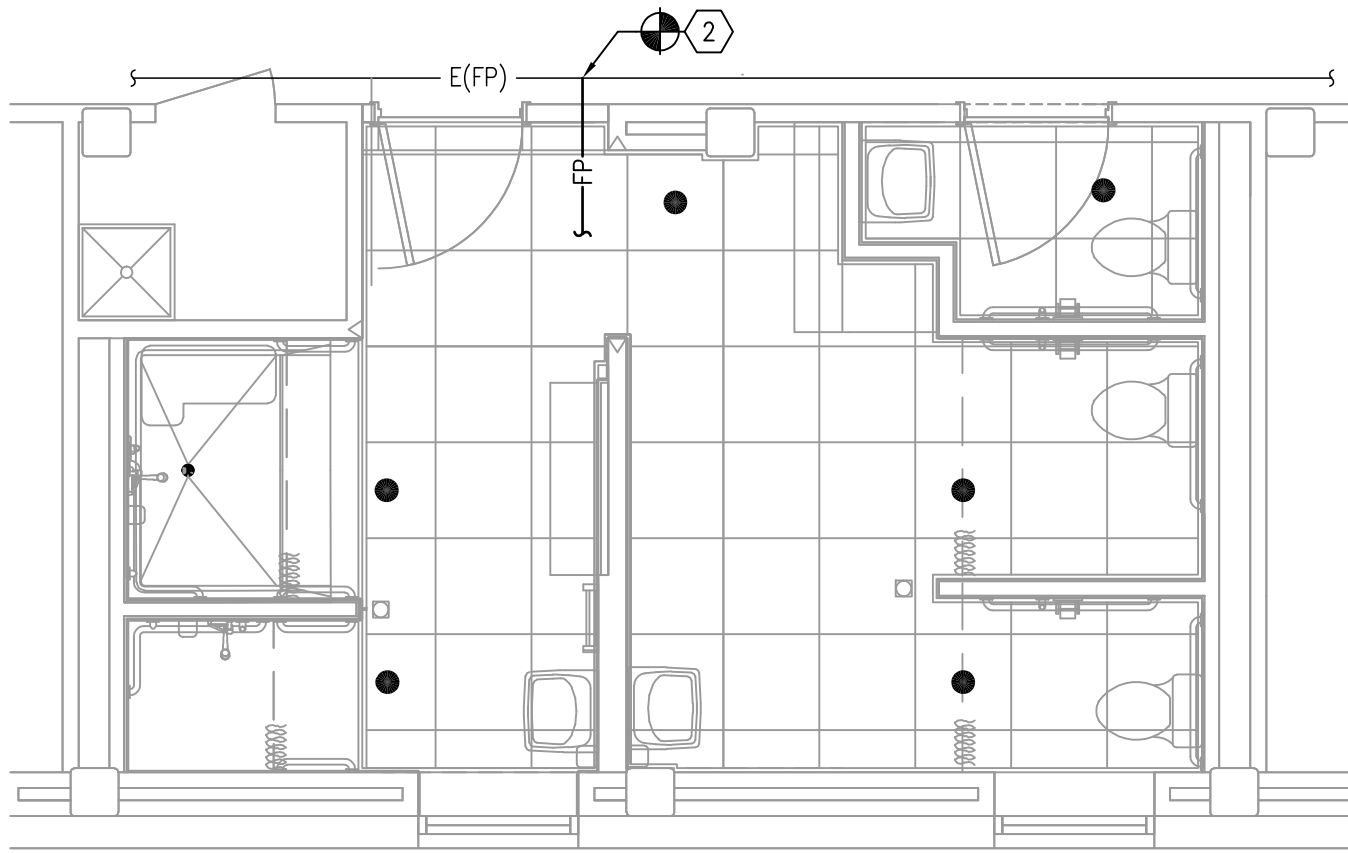
ENLARGED FIRE PROTECTION DEMOLITION - ROOMS 312 & 313



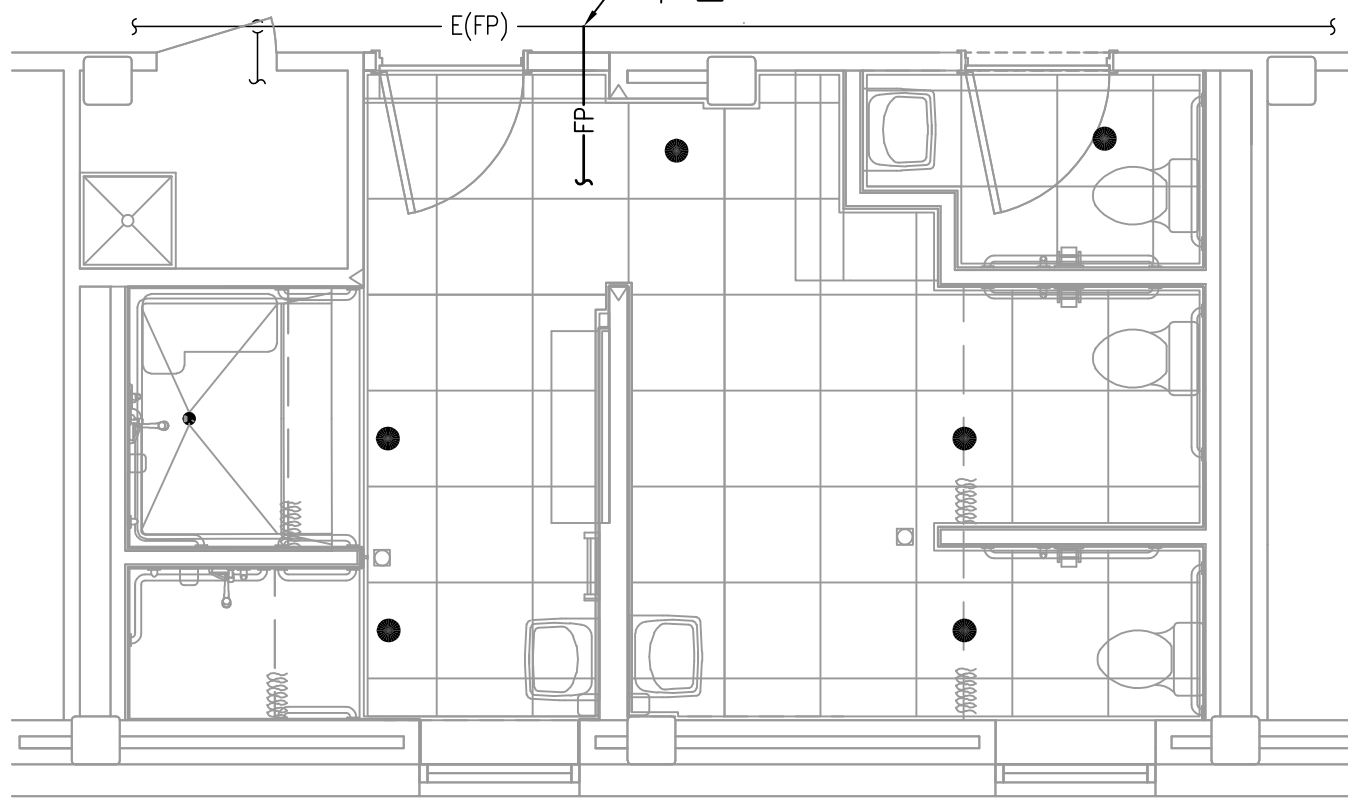
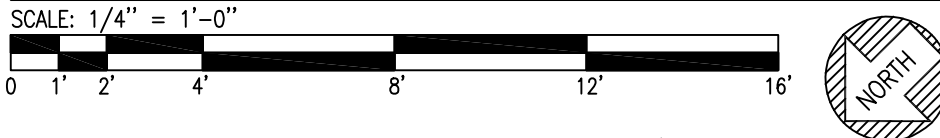
ENLARGED FIRE PROTECTION DEMOLITION - ROOMS 213 & 214



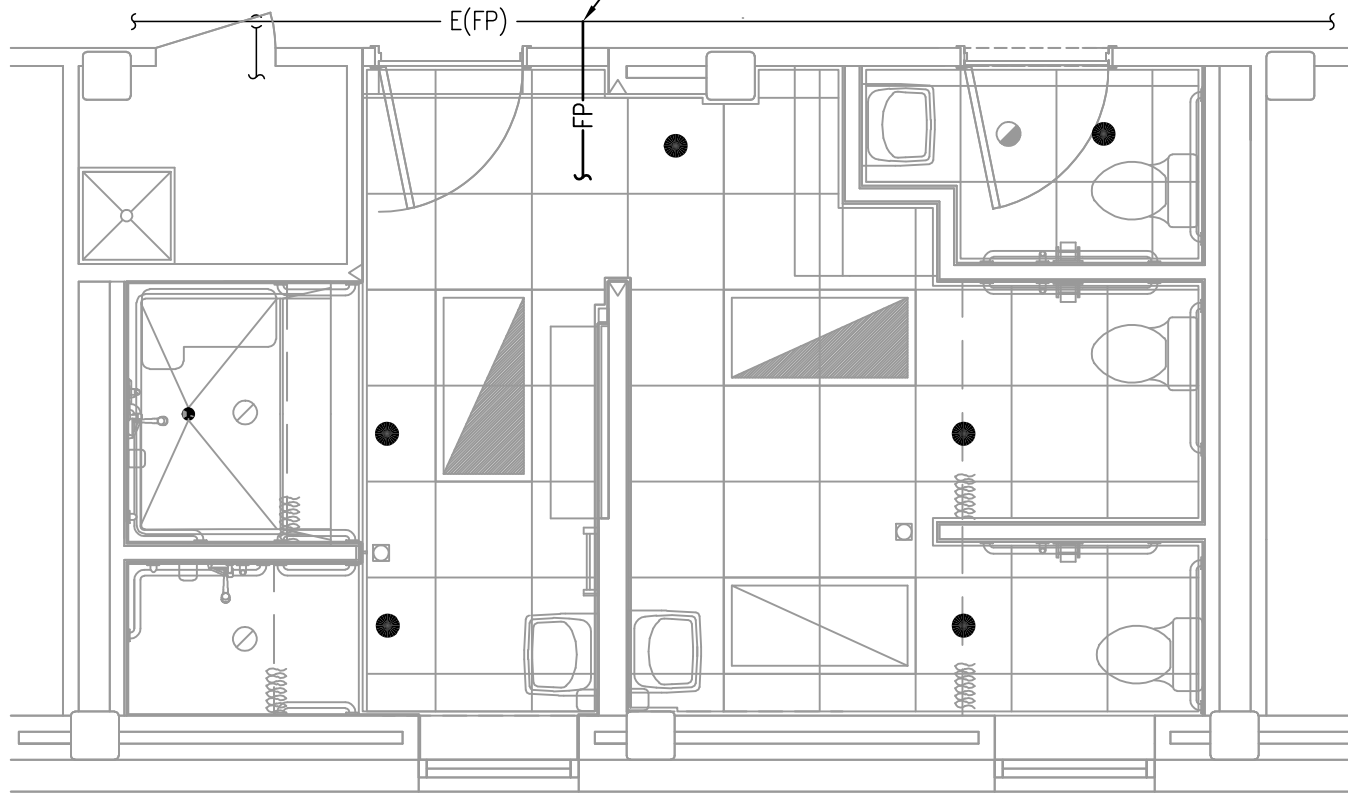
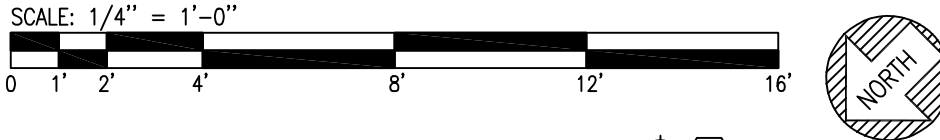
ENLARGED FIRE PROTECTION DEMOLITION - ROOMS 120 & 121



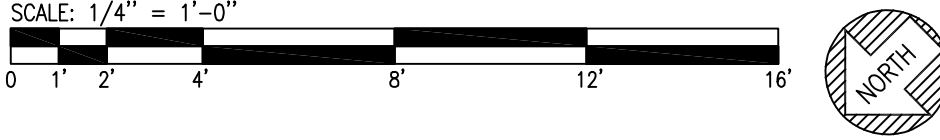
ENLARGED FIRE PROTECTION PLAN - ROOMS 312 & 313



ENLARGED FIRE PROTECTION PLAN - ROOMS 213 & 214



ENLARGED FIRE PROTECTION PLAN - ROOMS 120 & 121

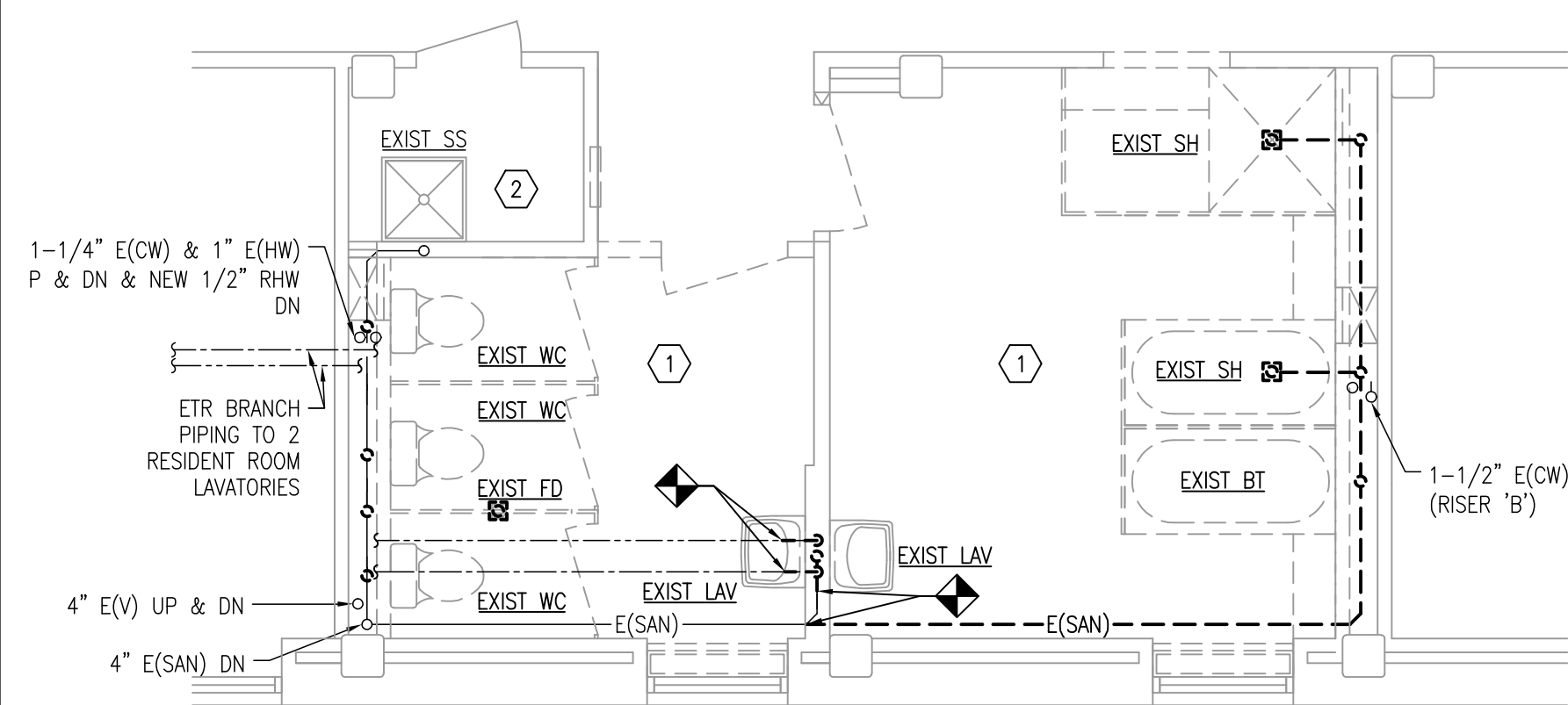


FIRE PROTECTION GENERAL NOTES

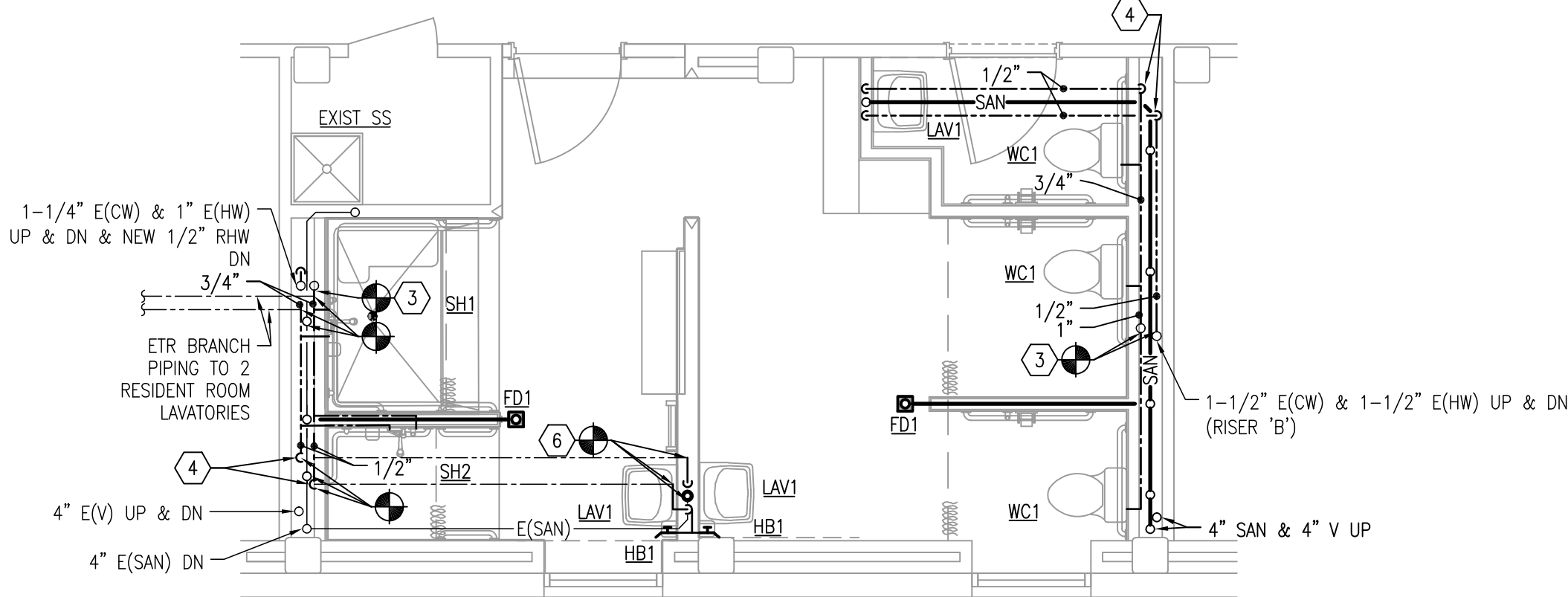
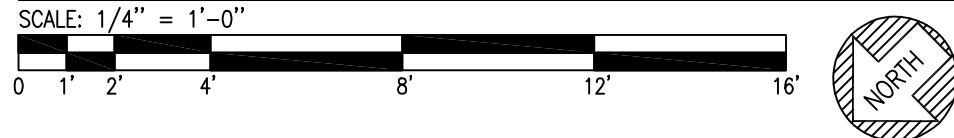
- ALL OCCUPIED EXISTING AREAS ARE PRESENTLY PROTECTED BY A 100% WET PIPE FIRE SUPPRESSION SYSTEM. CONTRACTOR SHALL MODIFY THE SYSTEM AS REQUIRED TO MAINTAIN 100% PROTECTION, IN ACCORDANCE WITH NFPA 13, KENTUCKY BUILDING CODE AND SPECIFICATIONS.
- REFER TO A COMPLETE SET OF DOCUMENTS (ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL PLANS AND SPECIFICATIONS) FOR COORDINATION OF TRADES, ROOMS, STRUCTURE AND EQUIPMENT.
- WHERE CEILINGS ARE INDICATED ALL PIPING MUST BE INSTALLED ABOVE CEILINGS. PIPING MUST BE COORDINATED WITH OTHER TRADES.
- FIRE PROTECTION PIPING MUST BE OFFSET TO AVOID CONFLICTS WITH DUCTWORK, CONDUIT, ALL EQUIPMENT, ETC.
- ALL FIRE PROTECTION PIPE SIZES SHALL BE HYDRAULICALLY CALCULATED IN ACCORDANCE WITH NFPA-13.
- ALL MATERIALS AND INSTALLATIONS OF THE AUTOMATIC FIRE SPRINKLER SYSTEM TO CONFORM TO NFPA 13.
- LOW POINTS OF SYSTEM SHALL HAVE PROVISIONS FOR PROPER DRAINAGE.
- SYSTEM SHALL BE HYDROSTATICALLY TESTED @ 200 PSI FOR 2 HOURS - PER NFPA 13.
- 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.
- FIRE SPRINKLER CONTRACTOR SHALL SUBMIT FLOOR PLAN COORDINATION DRAWINGS. PRIOR TO SHOP DRAWINGS SUBMITTALS, ORDERING OF MATERIALS, OR COMMENCING WORK, THE 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. ALL OFFSETS AND ALL REWORK DUE TO LACK OF ADVANCE COORDINATION ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- 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 EQUIPMENT WHEREVER THE BUILDING STRUCTURE IS NOT SUITABLE FOR DIRECT MOUNTING.

SHEET NOTES

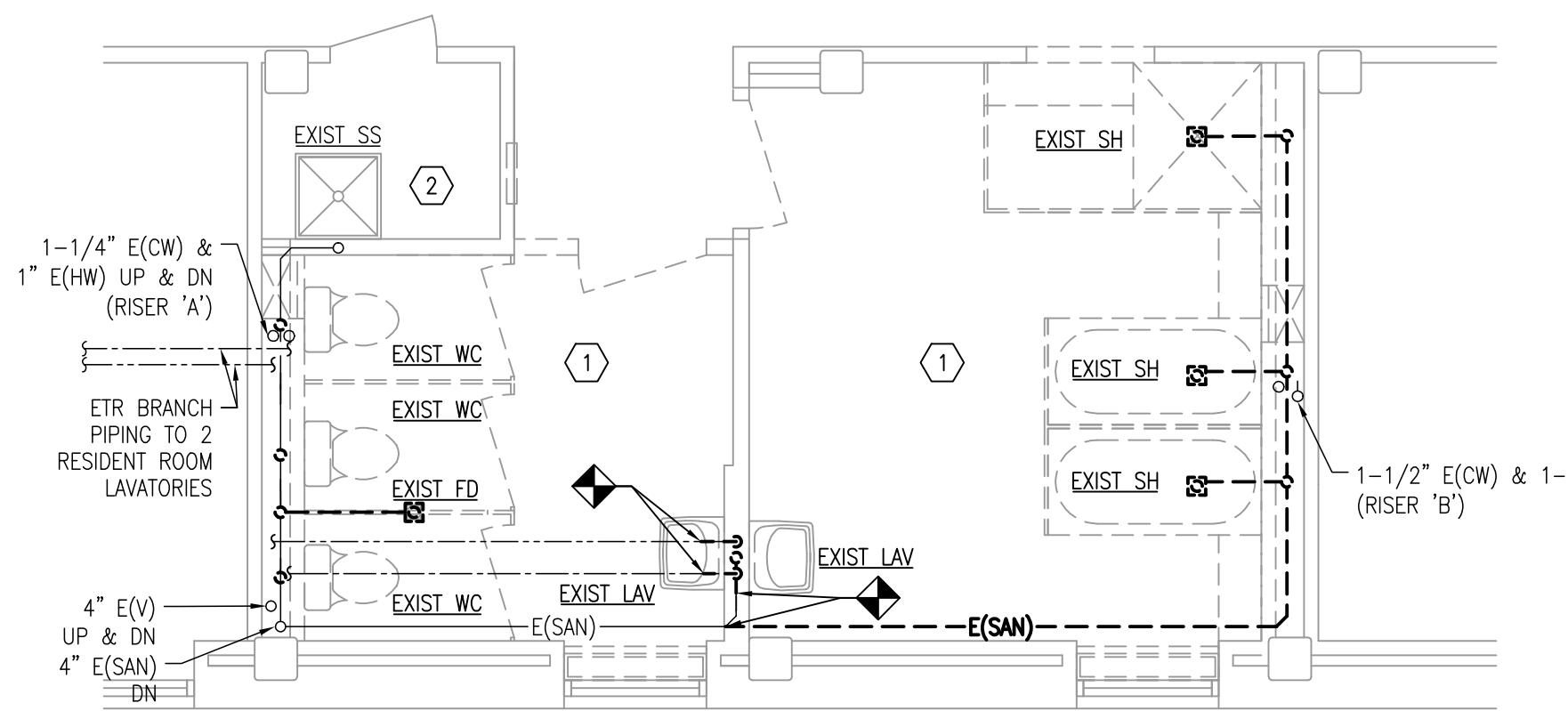
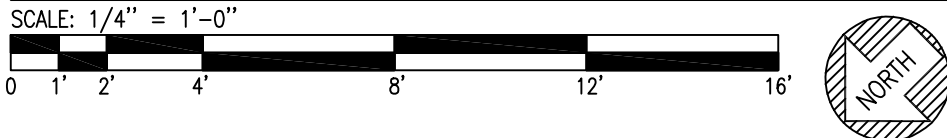
- REMOVE EXISTING SPRINKLER HEADS AND ASSOCIATED BRANCH PIPING BACK TO MAINS AND CAP. TYPICAL.
- EXTEND NEW BRANCH PIPING FROM MAINS IN CORRIDOR, INTO BATHROOM ABOVE NEW CEILING AND CONNECT TO NEW SEMI-RECESSED TYPE SPRINKLER HEADS.



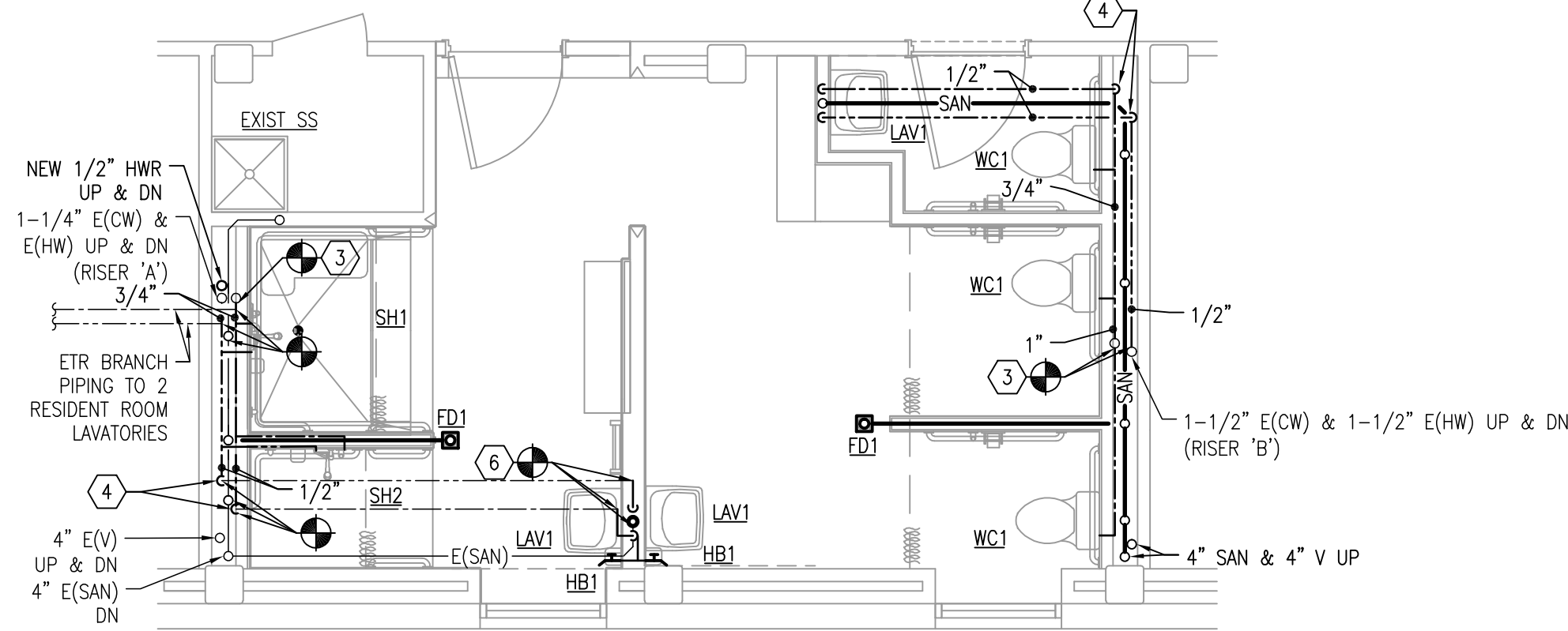
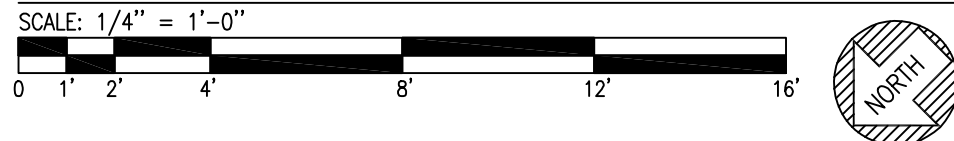
ENLARGED PLUMBING DEMOLITION - ROOMS 312 & 313



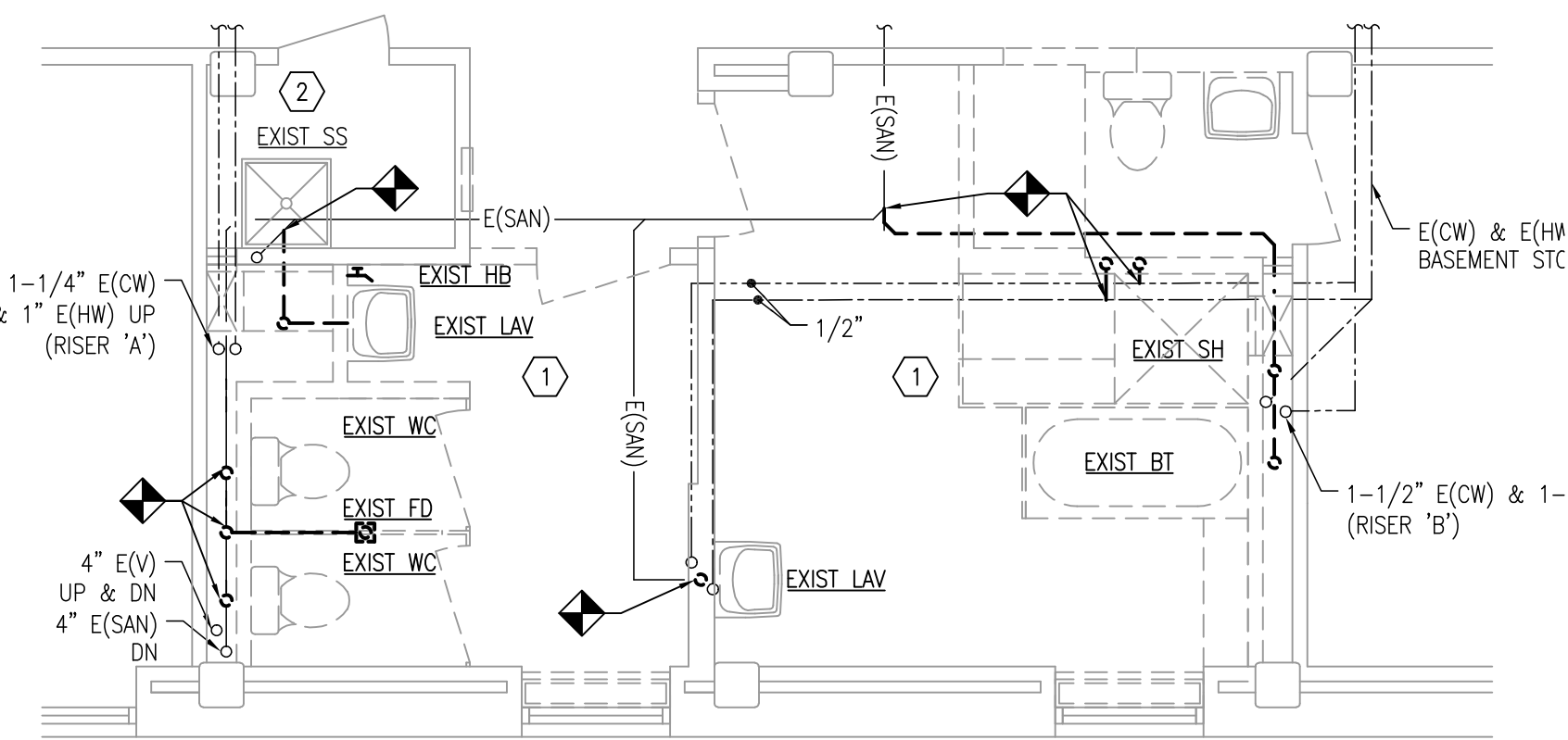
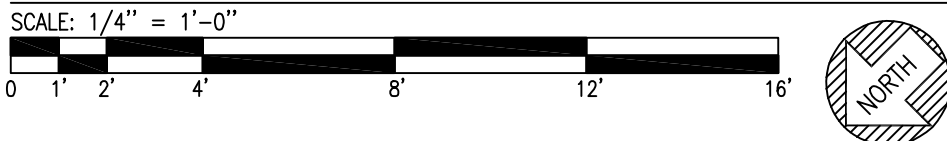
ENLARGED PLUMBING PLAN - ROOMS 312 & 313



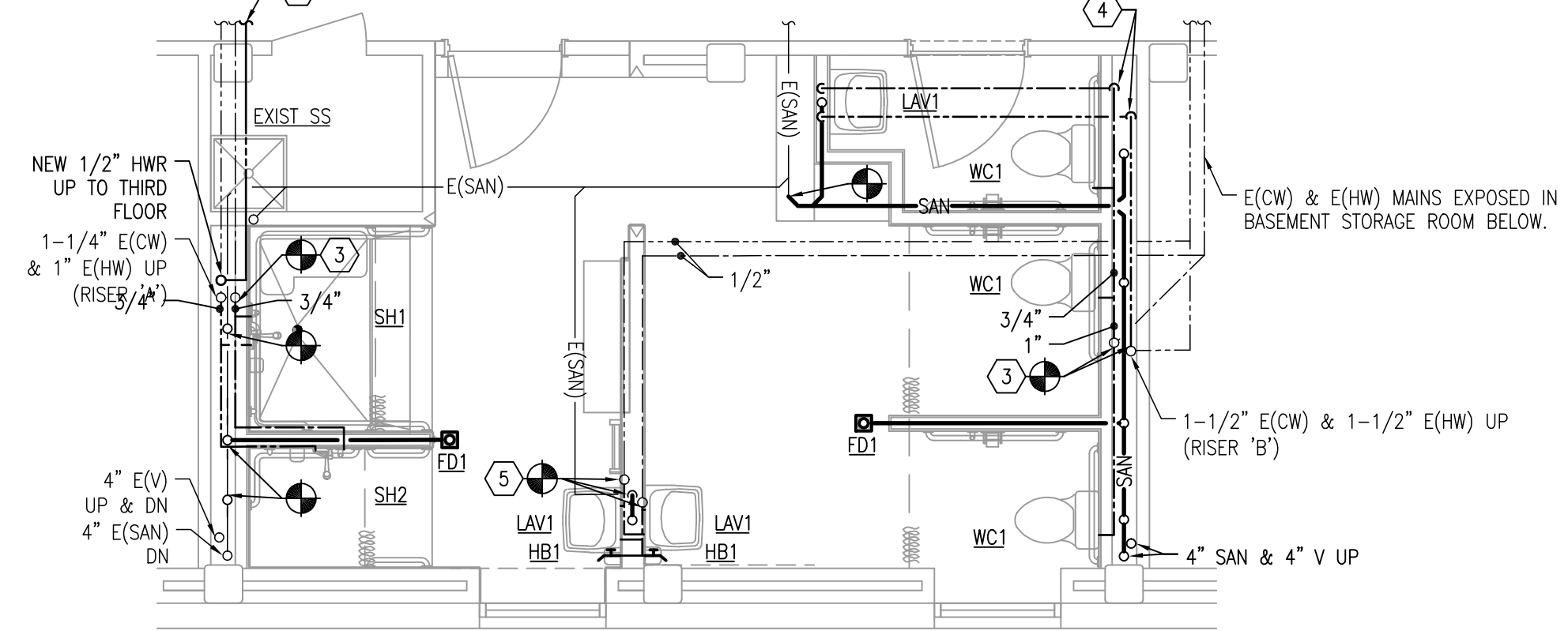
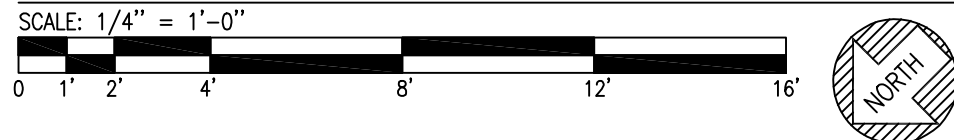
ENLARGED PLUMBING DEMOLITION - ROOMS 213 & 214



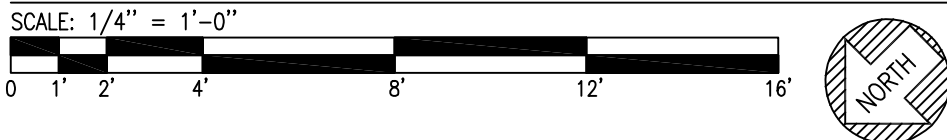
ENLARGED PLUMBING PLAN - ROOMS 213 & 214



ENLARGED PLUMBING DEMOLITION - ROOMS 120 & 121



ENLARGED PLUMBING PLAN - ROOMS 120 & 121

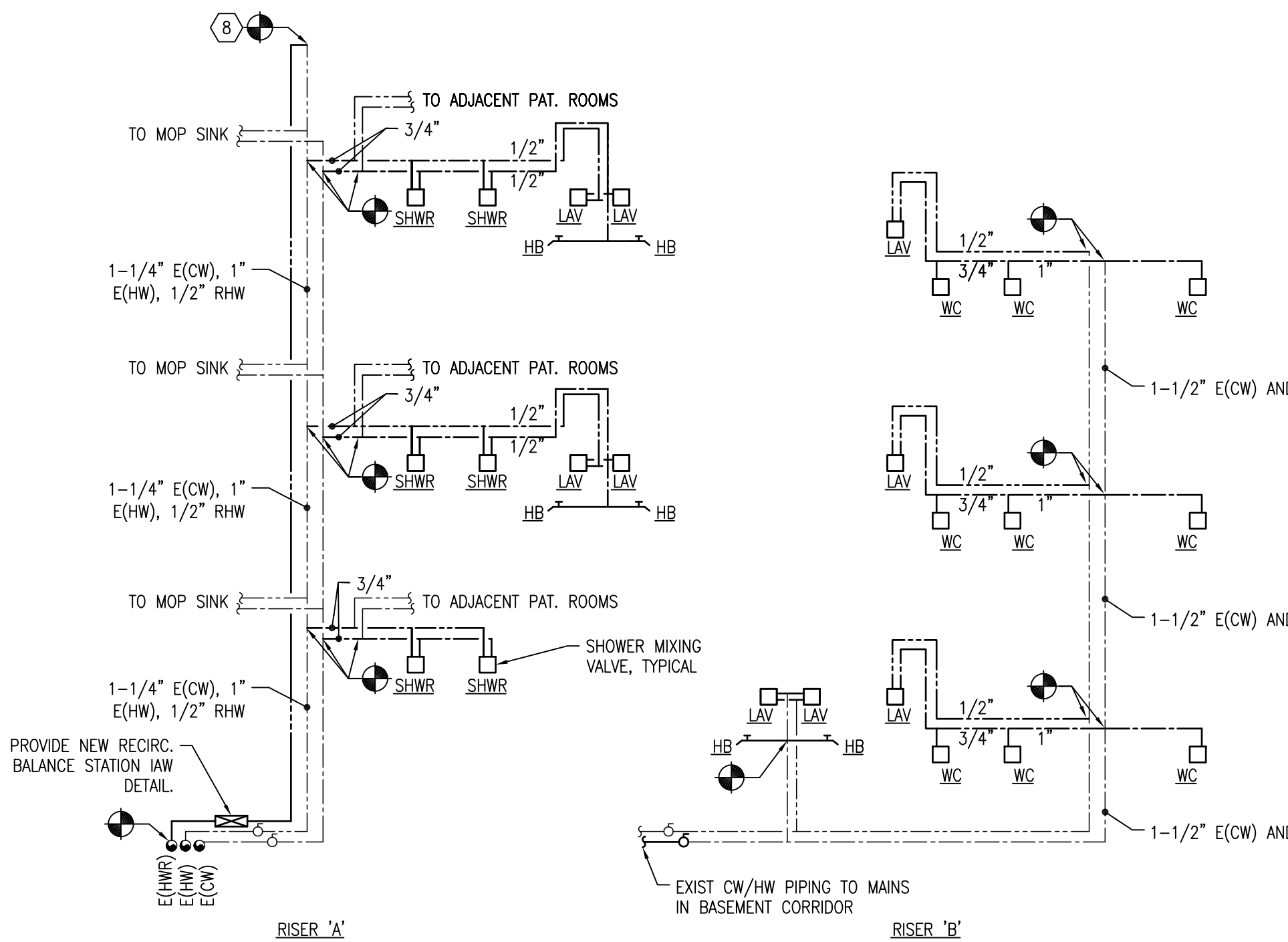


PLUMBING GENERAL NOTES

- FIRESTOP ALL PENETRATIONS THRU RATED WALL, FLOOR AND CEILING ASSEMBLIES BY A UL LISTED METHOD ACCEPTABLE TO AHJ.
- 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

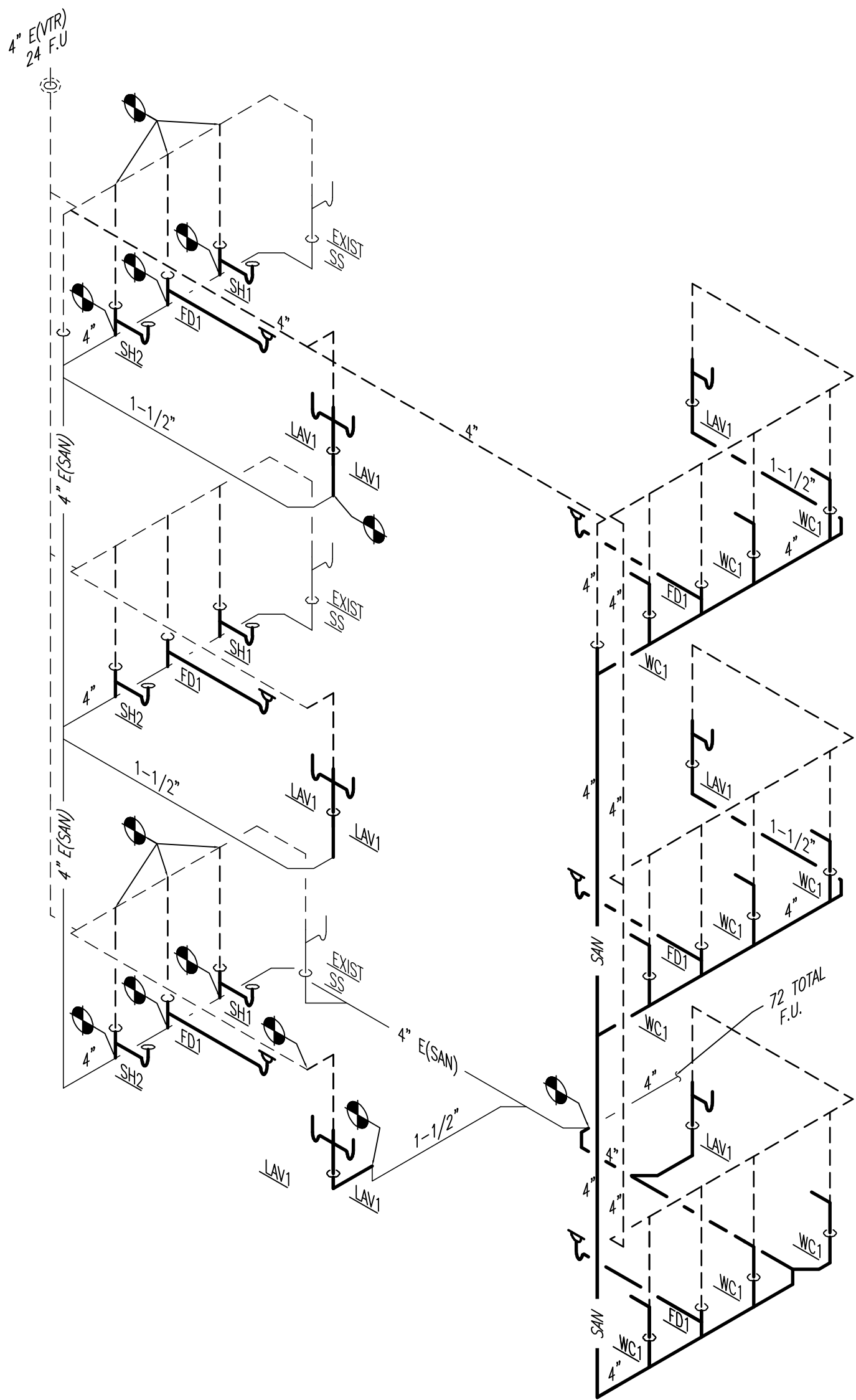
- REMOVE ALL PLUMBING FIXTURE AND ASSOCIATED HANGERS COMPLETE IN ROOM. REMOVE ASSOCIATED SAN, VENT, CW AND HW PIPING BACK TO MAINS AND CAP, UNLESS OTHERWISE NOTED.
- PLUMBING FIXTURES IN THIS ROOM ARE EXISTING TO REMAIN.
- EXTEND NEW CW AND HW PIPING FROM EXISTING CW/HW PIPE RISERS, CONCEALED WITHIN WALL CAVITY, TO NEW FIXTURES.
- RISE CW AND HW PIPING UP IN WALL AND EXTEND TO FIXTURE(S) CONCEALED ABOVE CEILING.
- REWORK EXISTING CW, HW, SAN, AND VENT PIPING EXPOSED IN BASEMENT STORAGE ROOM BELOW TO TWO NEW LAVATORIES. EXTEND 1/2" CW TO EACH NEW HOSE BIBBS BELOW SINK.
- REWORK EXISTING CW/HW, SAN, AND VENT PIPING CONCEALED TO TWO NEW LAVATORIES.
- EXTEND NEW 1/2" RHW BRANCH PIPING FROM RHW MAIN IN BASEMENT CORRIDOR. REFER TO RECIRC. HW RISER DIAGRAM FOR ADDITIONAL INFORMATION. PROVIDE RECIRCULATION BALANCE STATION IN BASEMENT CORRIDOR AT MAIN/BRANCH PIPING CONNECTION IAW DETAIL.
- EXTEND 1/2" RHW BRANCH PIPING AND TIE INTO EXISTING HW MAIN AS SHOWN TO CREATE NEW RECIRCULATION LOOP.



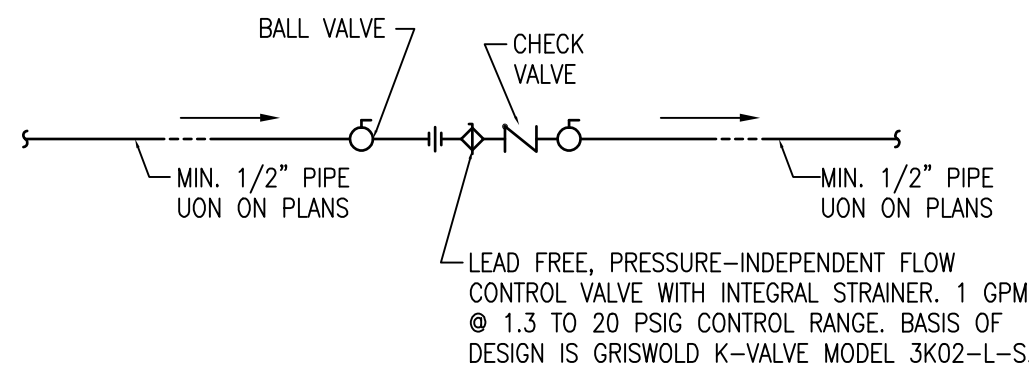
- RISER NOTES:
- THIS RISER DOESN'T SHOW ALL OFFSETS REQUIRED. INSTALL ALL DOMESTIC WATER PIPING CONCEALED ABOVE CEILING AND/OR WITHIN WALL CAVITY. FIELD VERIFY EXACT ROUTES.
 - REFER TO PLUMBING FIXTURE SCHEDULE FOR BRANCH PIPING RUNOUT SIZES TO INDIVIDUAL PLUMBING FIXTURES.
 - THE INDICATED EXISTING PIPE SIZES ARE BASED ON VARIOUS SOURCES. FIELD VERIFY AND NOTIFY ENGINEER IMMEDIATELY IF ANY OF THE EXIST PIPE SIZES DIFFER FROM WHAT HAS BEEN INDICATED ON DRAWINGS.

A DOMESTIC WATER PIPING RISER DIAGRAMS

NOT TO SCALE



A SANITARY WASTE AND VENT RISER DIAGRAM
NOT TO SCALE

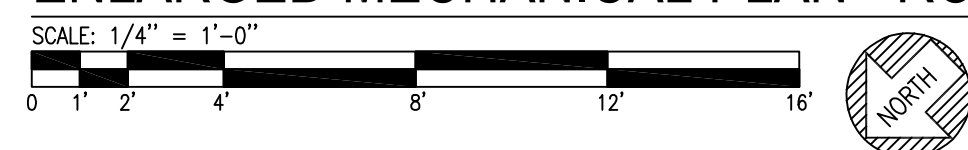
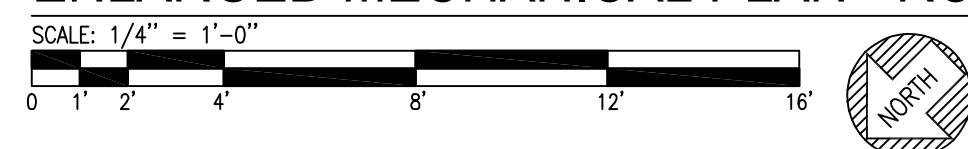
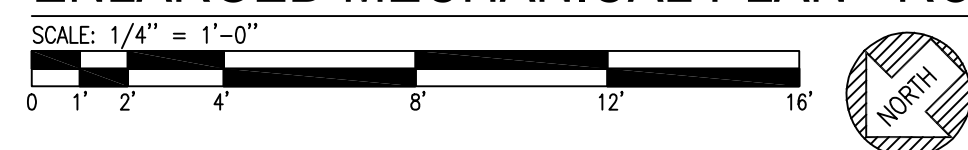
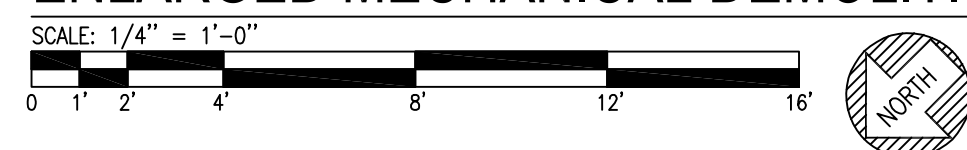
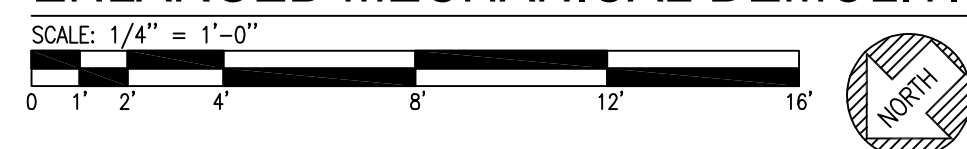
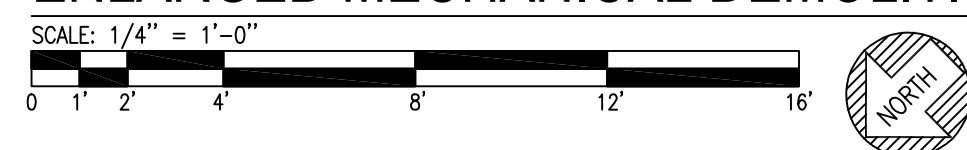


B RECIRCULATING HOT WATER BALANCE STATION DETAIL
NOTE: ALL VALVES, UNIONS, ETC. SHALL BE LEAD FREE FOR POTABLE WATER USE.

PLUMBING FIXTURE SCHEDULE						
MARK	ITEM	CW	HW	WASTE	DESCRIPTION	PICTURE(S)
FD1	FLOOR DRAIN	-	-	3 OR 4"	ZURN #Z415 ADJUSTABLE FLOOR DRAIN, NICKEL PLATED CAST BRASS SLOTTED TOP.	
HB	HOSE BIB	1/2"	-	-	WOODFORD STANDARD BRASS 1/2" HOSE BIB, VACUUM BREAKER.	
LAV1	ADA LAVATORY, WALL HUNG, GOOSENECK, WRISTBLADES	1/2"	1/2"	1-1/2"	AMERICAN STANDARD "LUCERNE" VITREOUS CHINA WALL HUNG LAVATORY, 20.5"x18.25", 4" CENTERS AND WALL CARRIER. ELKAY LK406GN08T4 OR EQUAL DELTA CAST BRASS FAUCET WITH 8" GOOSENECK SPOUT AND 4" BRASS WRISTBLADES. PROVIDE 0.5 GPM AERATOR, GRID DRAIN ASSY., STOPS, CHROME PLATED P-TRAP AND TAILPIECE, SUPPLIES. PROVIDE TRAP AND WATER SUPPLY/STOP ADA COMPLIANT INSULATION KIT FOR EXPOSED PIPING. PROVIDE MNFR'S FLOOR MOUNTED WALL CARRIER.	
SH1	ADA SHOWER STALL, ROLL-IN	3/4"	3/4"	2"	60"x36" TERRAZZO ROLL-IN SHOWER BASE WITH THREE FLANGED SIDES AND INTEGRAL 2" DRAIN WITH STAINLESS STEEL GRID STRAINER. EQUAL TO ACORN MODEL SBADA-36-3F. PROVIDE ADA COMPLIANT SHOWER DIVERTER EQUAL TO BRADLEY MODEL HN300/EF. 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. PROVIDE FOLDING SEAT AND STAINLESS STEEL GRAB BAR WITH DIVERTER ASSEMBLY.	
SH2	ADA SHOWER STALL	3/4"	3/4"	2"	36"x36" TERRAZZO SHOWER BASE WITH ADA COMPLIANT RAMP, THREE FLANGED SIDES, AND INTEGRAL 2" DRAIN WITH STAINLESS STEEL GRID STRAINER EQUAL TO ACORN MODEL SBADAR-6035-3F. PROVIDE ADA COMPLIANT SHOWER DIVERTER EQUAL TO BRADLEY MODEL HN300/EF. 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. PROVIDE FOLDING SEAT AND STAINLESS STEEL GRAB BAR WITH DIVERTER ASSEMBLY.	
WC1	ADA WATER CLOSET WITH MANUAL FLUSH	1"	-	4"	AMERICAN STANDARD AFWALL SERIES OR EQUAL FLUSH VALVE TYPE WALL HUNG WATER CLOSET, ADA-COMPLIANT, WHITE VITREOUS CHINA, SIPHON JET FLUSH ACTION, WATER SAVER 1.28 GPF, 1-1/2" TOP SPUD, ELONGATED BOWL, OPEN FRONT ALL PLASTIC SEAT, NO COVER, WHITE COLOR, WITH HEAVY DUTY WALL CARRIER. PROVIDE WITH CHROME PLATED ZURN MODEL ZTR6200EV-LL OR EQUAL 1.28 GPF EXPOSED SENSOR OPERATED FLUSH VALVE, MANUAL OVERRIDE, 10-YR BATTERY.	
NOTES: 1. PROVIDE ZURN 1700 SERIES 'SHOKTROL' OR EQUAL WATER HAMMER ARRESTORS AT EACH FIXTURE OR FIXTURE GROUP. 2. PROVIDE INLINE RUBBER TRAP SEAL EQUAL TO J.R. SMITH "QUAD CLOSE" ON ALL FLOOR DRAINS, UON. 3. ALL SUPPLY STOPS SHALL BE QUARTER TURN, OF BRASS CONSTRUCTION, CHROME PLATED, BRASS CRAFT KT SERIES OR APPROVED EQUAL. 4. APPLY BEAD OF MILDEW RESISTANT SEALANT AROUND BASE OF ALL FLOOR SET TOILETS. 5. APPLY BEAD OF MILDEW RESISTANT SEALANT AROUND BASE AND SIDES OF MOP SINK. 6. PROVIDE CHROME PLATED SOFT COPPER SUPPLIES WHERE SUPPLIES ARE NOT CONCEALED BY BASE CABINET. PROVIDE BRAIDED STAINLESS STEEL SUPPLIES WHERE CONCEALED WITHIN BASE CABINET, UON.						

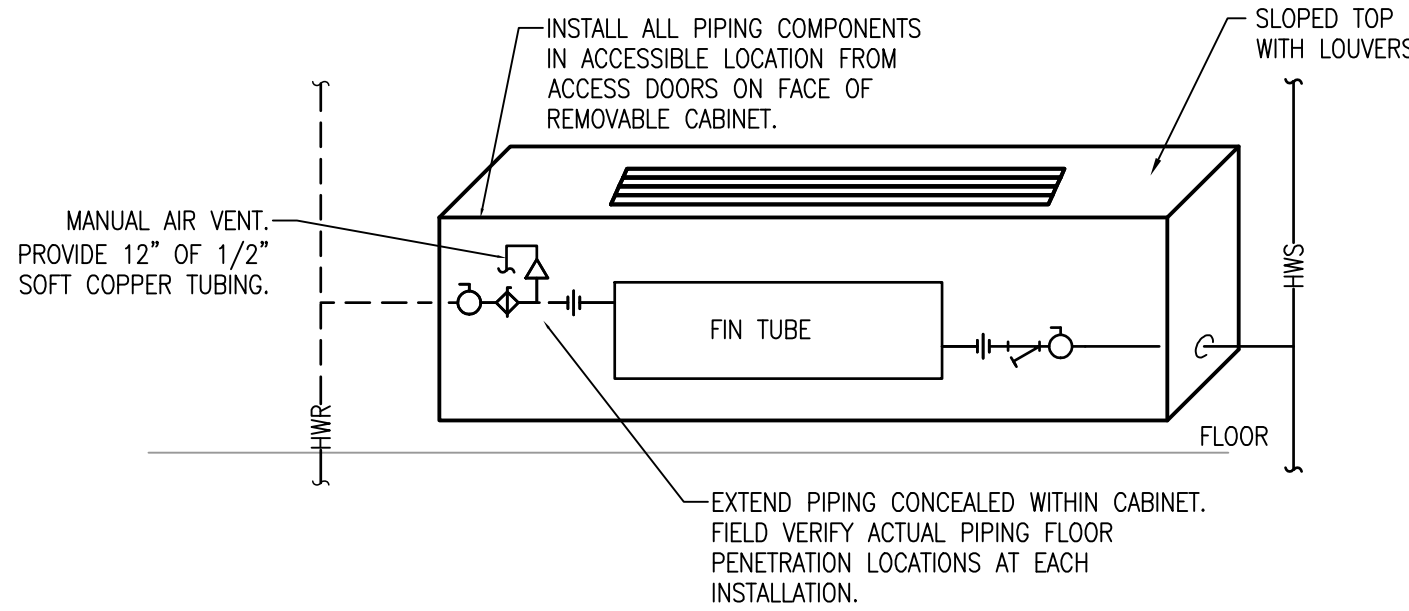
PLUMBING MATERIAL SPECIFICATIONS

- REFER TO MECHANICAL LEGEND AND NOTES DRAWING FOR FURTHER REQUIREMENTS.
- ALL NEW DOMESTIC WATER WITHIN THE BUILDING SHALL BE TYPE L COPPER WITH SWEAT FITTINGS.
- SUPPORT ALL PIPING ALONG LENGTH AS RECOMMENDED BY PIPING MNF.
- ALL NEW SANITARY WASTE AND VENT PIPING SHALL BE SCHEDULE 40 PVC.
- INSULATE ALL DOMESTIC WATER PIPING IAW ENERGY CODE. PROVIDE 1/2" THICK FIBERGLASS INSULATION WITH ALL SERVICE JACKET FOR DOMESTIC COLD WATER, PROVIDE 3/4" THICK FIBERGLASS INSULATION WITH ALL SERVICE JACKET FOR DOMESTIC HOT & RECIRO. HOT WATER.
- FIRESTOP ALL PENETRATIONS THROUGH RATED ASSEMBLIES WITH A UL LISTED METHOD ACCEPTABLE TO AHJ. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF ALL RATED ASSEMBLIES.
- COORDINATE THE SHUT DOWN OF ANY PLUMBING SYSTEMS WITH OWNER MINIMUM 7-DAYS IN ADVANCE.

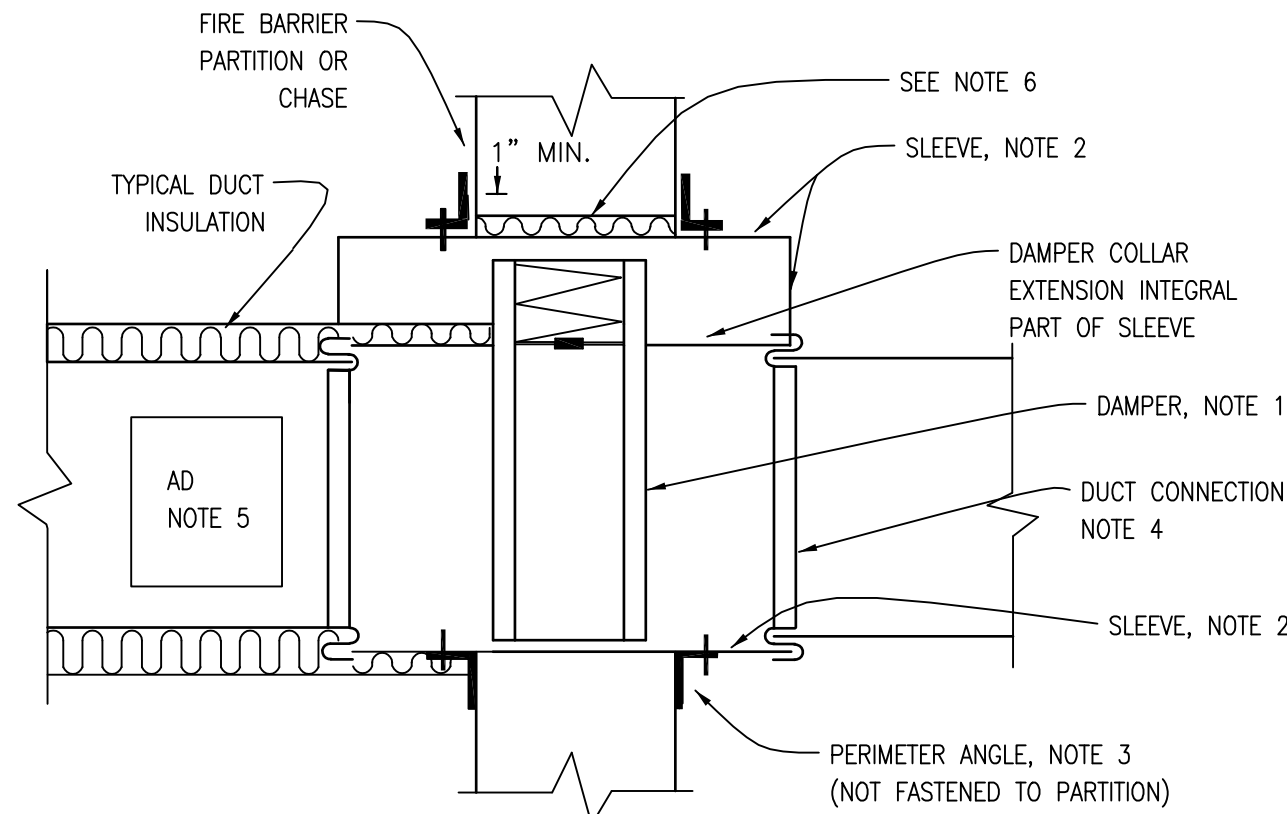


1. PROVIDE DUCT FIRE DAMPER AT FLOOR PENETRATION IAW DETAIL. PROVIDE DUCT ACCESS PANEL TO ACCESS LINKAGE FROM FLOOR BELOW CEILING.
2. PROVIDE 16X16 CEILING ACCESS PANEL IN GYP. CEILING FOR ACCESS TO FIRE DAMPER.
3. REMOVE WALL MOUNTED RADIATOR COMPLETE. REMOVE HWS/R PIPING RISER BACK TO MAINS IN BASEMENT CEILING.
4. REMOVE WALL MOUNTED EXHAUST FAN AND EXHAUST DUCT RISER COMPLETE UP TO ROOF.
5. REMOVE SIDEWALL EXHAUST GRILLES AND EXHAUST DUCT RISER COMPLETE UP TO ROOF.
6. PROVIDE NEW WALL MOUNTED HOT WATER RADIATOR. PROVIDE NEW HWS/R PIPING RISER CONCEALED IN WALL. NEW RADIATOR CABINET DIMENSIONS SHALL MATCH AS FAR AS POSSIBLE TO THE WALL RECESS BENEATH WINDOW. REFER TO RISER, PIPING DETAIL, AND SCHEDULE FOR ADDITIONAL INFORMATION.
7. REMOVE ROOFTOP TURBINE EXHAUST OUTLET. ROOF PENETRATION SHALL REMAIN FOR REUSE.
8. PROVIDE ROOFTOP EXHAUST FAN ON NEW ROOF CURB IAW DETAIL. PROVIDE DUCT TRANSITION FROM FAN INLET SIZE TO INDICATED EA DUCT RISER SIZE. PROVIDE CURB BACKFALL DAMPER IN CURB. OFFSET EA DUCT IN THIRD FLOOR CEILING AS REQUIRED.
9. EXTEND 6X6 EA DUCT FROM RISER TO NEW SIDEWALL EXHAUST GRILLE.

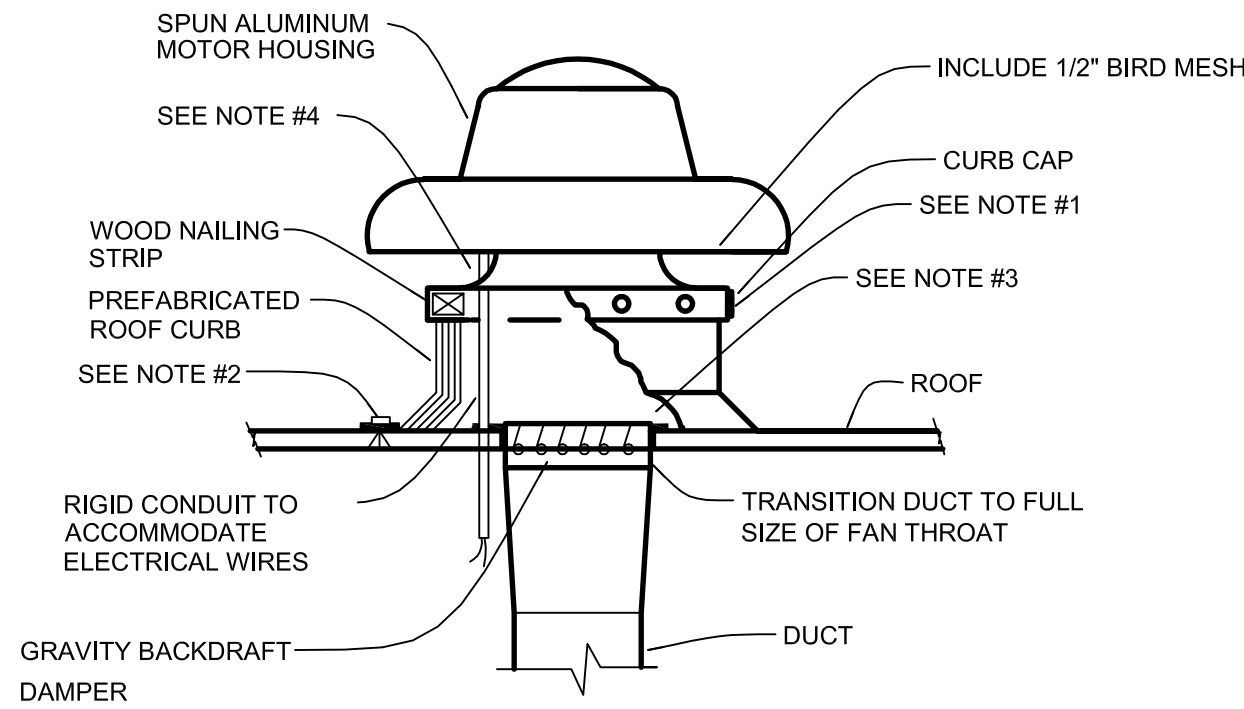
- A. FIRESTOP ALL PENETRATIONS THROUGH RATED ASSEMBLIES WITH A UL LISTED METHOD ACCEPTABLE TO A.H.J. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION OF ALL RATED ASSEMBLIES.
- B. COORDINATE ANY SYSTEM SHUTDOWNS WITH OWNER & ARCHITECT MINIMUM ONE WEEK IN ADVANCE, PARTICULARLY WHERE REQUIRED FOR DOMESTIC WATER AND HEATING HOT WATER SYSTEMS.
- C. ROOF CURB PATCH/FLASH WORK SHALL BE PERFORMED BY ROOFING CONTRACTOR THAT HOLDS ACTIVE ROOF WARRANTY, SO THAT NEW ROOF WORK MAINTAINS EXIST ROOF WARRANTY. COORDINATE REQUIREMENTS WITH OWNER, INCLUDE ALL COSTS FOR PATCH WORK FOR ROOFING CONTRACTOR.
- D. 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.



A HOT WATER RADIATOR PIPING DETAIL
NOT TO SCALE



B TYPICAL FIRE DAMPER INSTALLATION
NOT TO SCALE



- NOTES:
1. SECURE CURB CAP TO TREATED WOOD NAILING STRIP WITH 3/8" CADIUM 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.

C ROOFTOP EXHAUST FAN DETAIL
NOT TO SCALE

GRILLE, REGISTER & DIFFUSER SCHEDULE									
MARK	MANUF./MODEL	MATERIAL/TYPE	GRILLE SIZE	PANEL SIZE	RUNOUT SIZE	CFM	AIR PATTERN	MOUNTING	REMARKS
E-1 E-1A	TITUS 350FL	ALUMINUM 35' FIXED BLADE PARALLEL TO LONG DIM.	12x12	12X12	6" U.O.N.	0-100	--	SEE REMARKS	1,2,3,4,7
E-2 E-2A	TITUS 350FL	ALUMINUM 35' FIXED BLADE PARALLEL TO LONG DIM.	12x12	24X24	8" UON	100-225	--	SEE REMARKS	1,2,3,4,7
E-3A	TITUS 350FL	ALUMINUM 35' FIXED BLADE PARALLEL TO LONG DIM.	6x6	--	6X6	0-100	--	SEE REMARKS	1,2,3,4,7

- REMARKS:
1. FINISH TO BE SELECTED BY ARCHITECT/OWNER. COORDINATE MOUNTING WITH CEILING TYPES. - i.e. WIDE GRID, NARROW GRID, DRY WALL, PLASTER, ETC.
 2. PROVIDE DUCT TO DIFFUSER/GRILLE THROAT TRANSITION AS REQUIRED.
 3. SUFFIX "A" INDICATED SURFACE MOUNTED DEVICE. PROVIDE INTEGRAL OPPOSED BLADE FACE DAMPER FOR SURFACE MOUNTED DEVICES.
 4. PROVIDE LAY-IN MODULE PANEL FOR ALL DEVICES NOT INDICATED AS SURFACE MOUNTED.
 5. PROVIDE WITH PATTERN CONTROLLERS.
 6. PROVIDE WITH OPTIONAL INTERNALLY INSULATED SHEETMETAL PLENUM BY DIFFUSER MFR.
 7. MAXIMUM DIFFUSER NC = 35
 8. PAINT INSIDE OF RETURN GRILLE DUCT WITH FLAT BLACK PAINT.

VENTILATION FAN SCHEDULE											
MARK	MANUFACTURER	MODEL	TYPE	DRIVE	CFM	ESP	FAN RPM	MOTOR HP	VOLT/PH/HZ	SONES	REMARKS
EF-1	GREENHECK	G-095-VG	CENTRIFIGAL DOWNBLAST	DIRECT DRIVE	660	0.5"	1597	1/8	120/1/60	9.5	ALL
EF-2	GREENHECK	G-095-VG	CENTRIFIGAL DOWNBLAST	DIRECT DRIVE	600	0.5"	1550	1/8	120/1/60	9.3	ALL

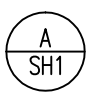
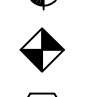
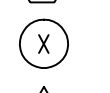
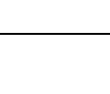
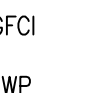
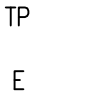
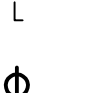








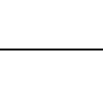
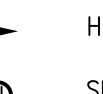

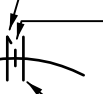
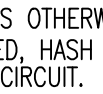
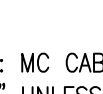
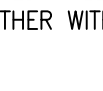
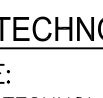
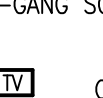

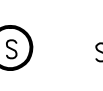
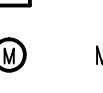



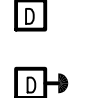

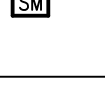



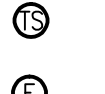





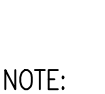







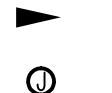

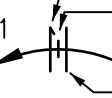
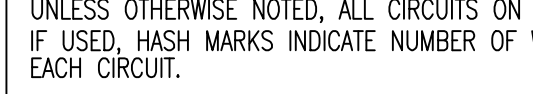
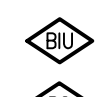
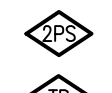
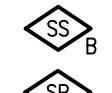

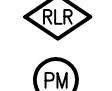
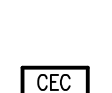







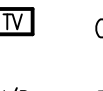


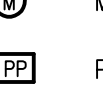
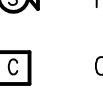
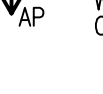



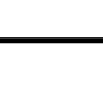

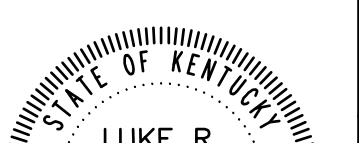
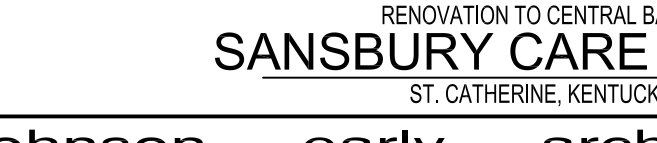
- REMARKS:
1. PROVIDE WITH FAN MANUFACTURER'S RUBBER VIBRATION ISOLATION SUSPENSION KIT.
 2. PROVIDE WITH SOLID STATE SPEED CONTROL BY FAN MANUFACTURER FOR INTERNAL MOUNTING.
 3. PROVIDE ALUMINUM BIRDSCREEN OVER FAN OUTLET AREA.
 4. FAN SHALL RUN CONTINUOUSLY.
 5. FURNISH WITH 12" TALL ROOF CURB WITH 1" THICK INSULATION. CURB SHALL MATCH ROOF PITCH (FIELD VERIFY).

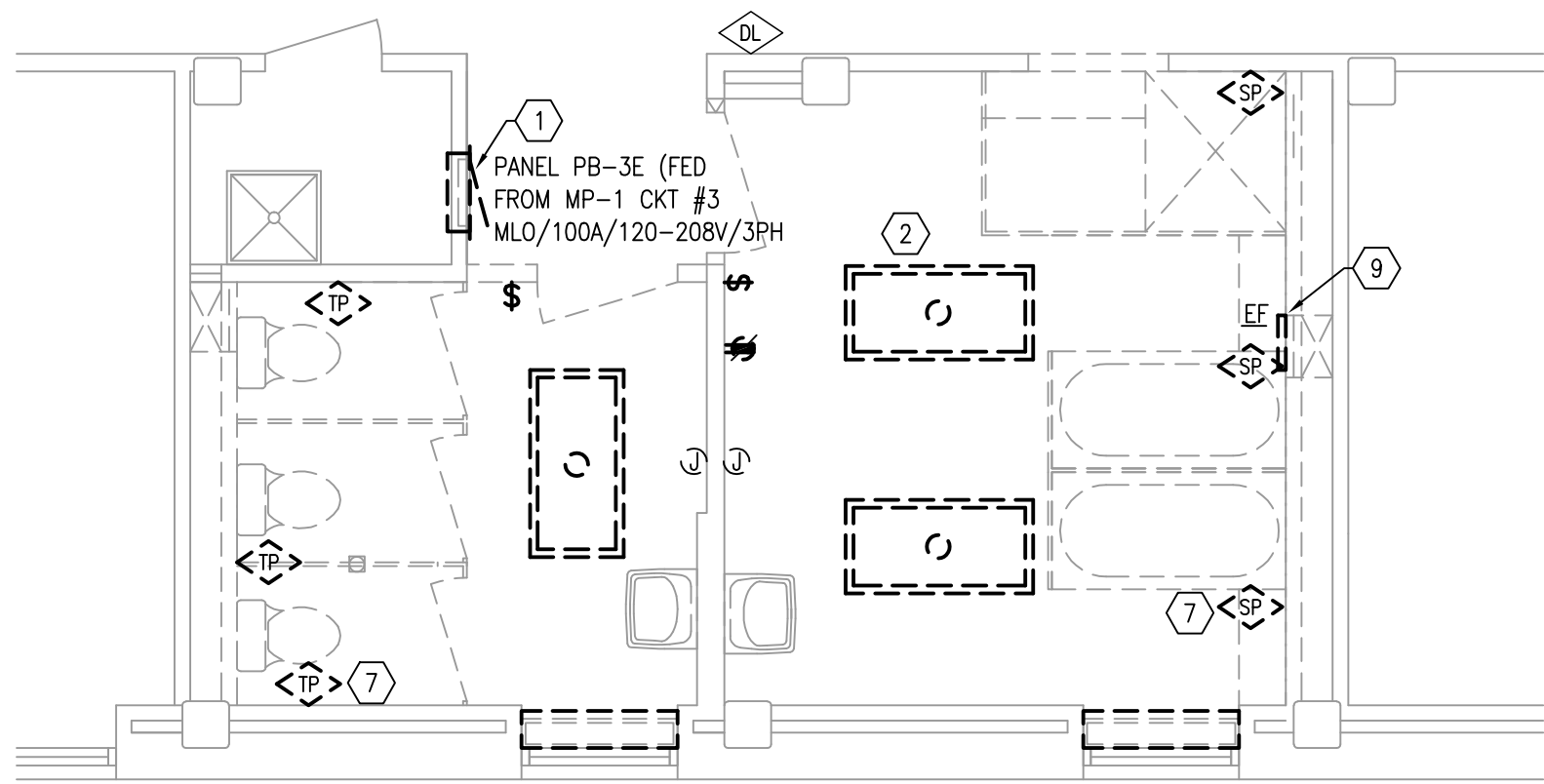
HOT WATER RADIATOR									
MARK	MANUFACTURER	MODEL	CABINET DIMS	TUBES PER ELEMENT	GPM	EWI/LWT	MAX. WATER PD (FT)	HEAT CAPACITY (MBH)	REMARKS
RAD-1	STERLING	SFA-8	40"Lx8.25"Dx32"H	4	1.5	160/150	4	6.87	ALL

- REMARKS:
1. SLOPE TOP, BRONZE HEADER WITH 3/4" NPT CONNECTIONS, COPPER TUBE, ALUMINUM FINS, BAKED POWDER COAT FINISH.
 2. FRONT COVER SHALL BE REMOVABLE FOR ACCESS TO PIPING CONNECTIONS.
 3. 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.

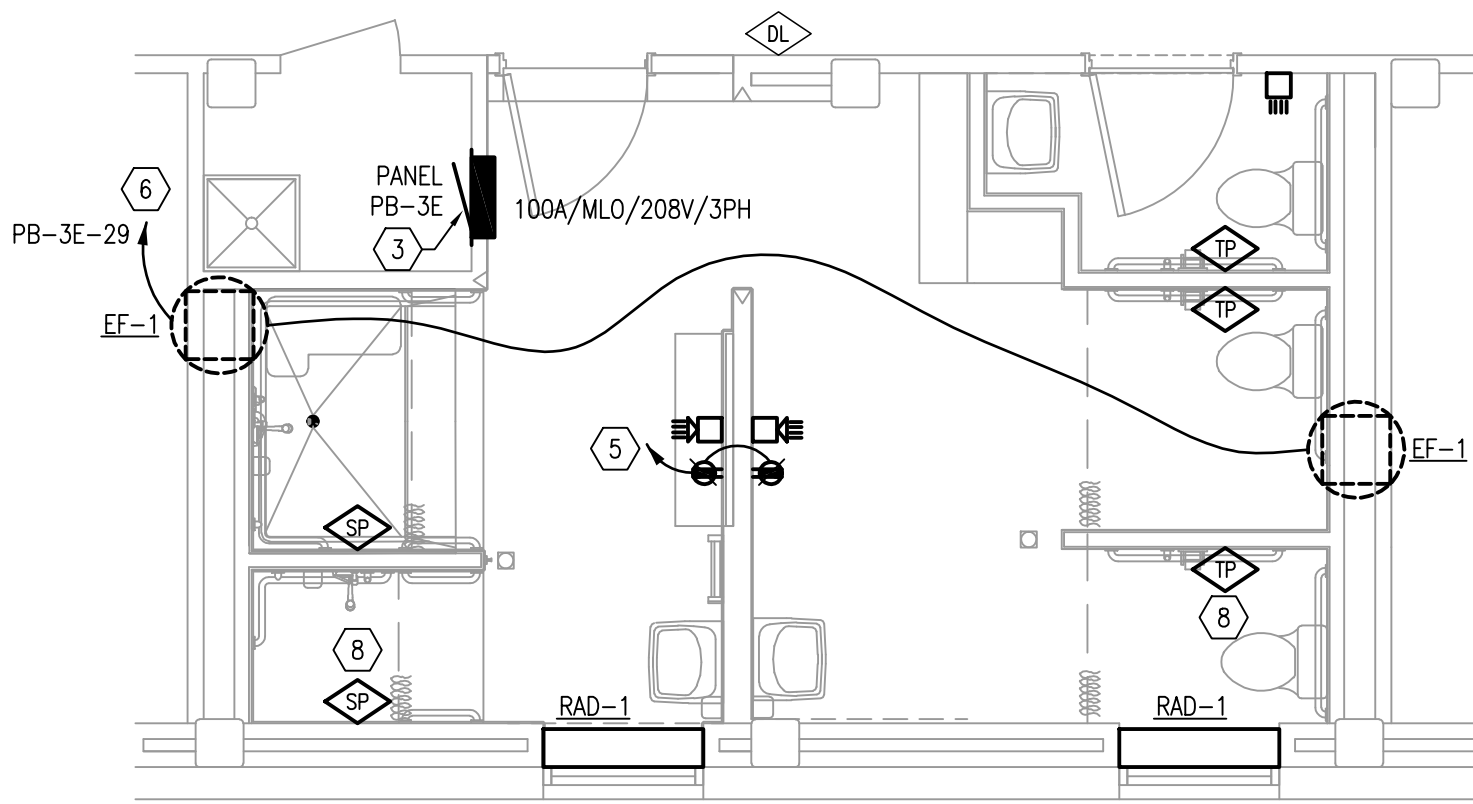
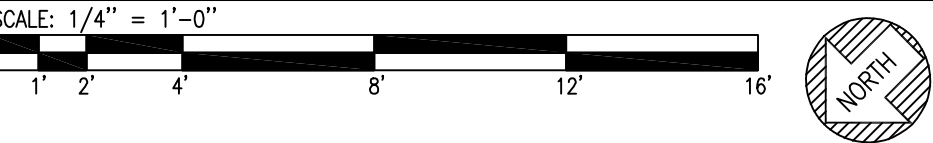
MECHANICAL MATERIAL SPECIFICATIONS

- A. 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.
- B. ALL NEW HEATING HOT WATER SUPPLY & RETURN PIPING SHALL BE TYPE L COPPER WITH SWEAT FITTINGS.
- C. INSULATE ALL HEATING HOT WATER SUPPLY & RETURN PIPING IAW ENERGY CODE. PROVIDE 1-1/2" THICK FIBERGLASS INSULATION WITH ALL SERVICE JACKET FOR DOMESTIC HOT & RECIRC. HOT WATER.
- 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.

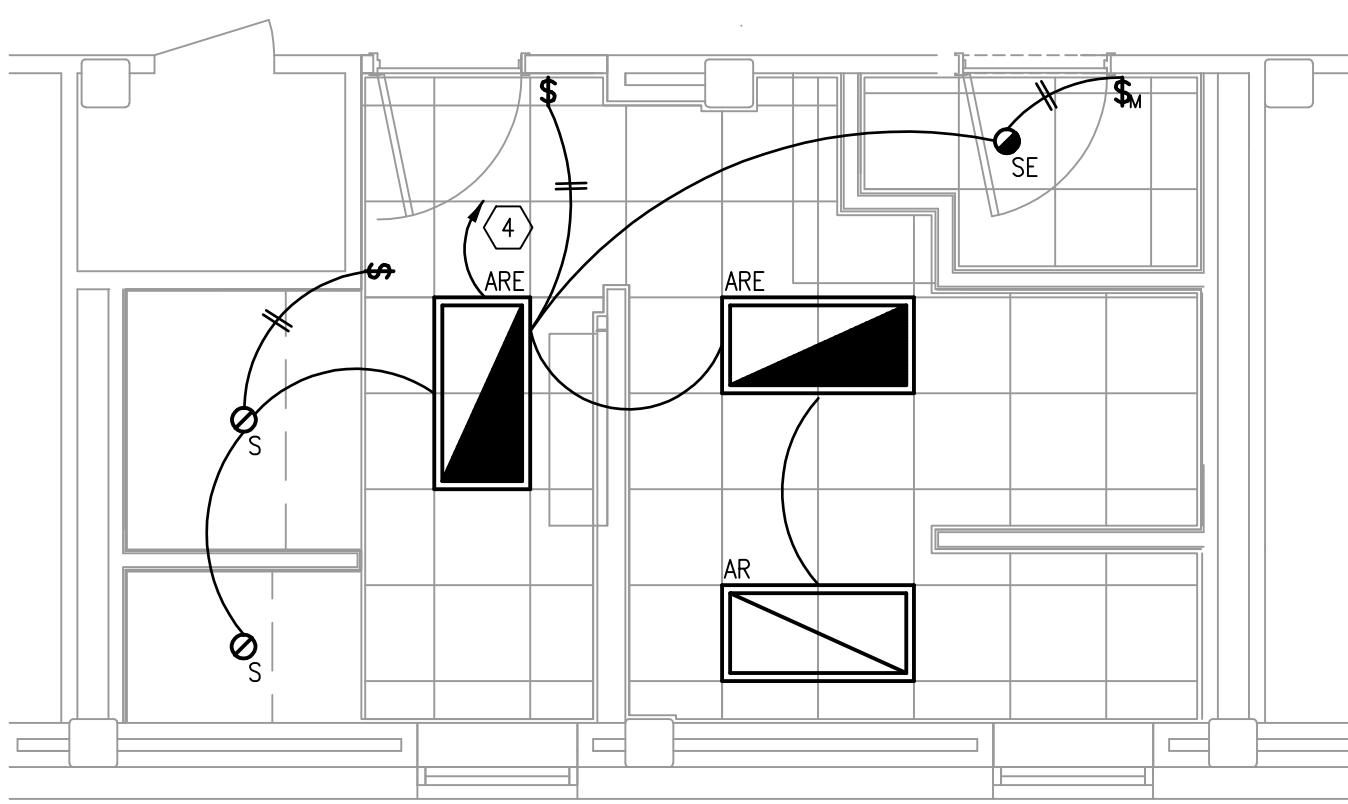
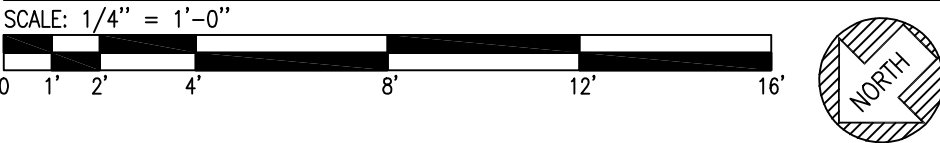
ELECTRICAL GENERAL NOTES		SYMBOLS		ABBREVIATIONS																																																				
1. COORDINATION BETWEEN TRADES: REQUEST AND EXAMINE ALL DRAWINGS AND SPECS. PERTAINING TO THE CONSTRUCTION, BEFORE INSTALLING ABOVE CEILING WORK AS SHOWN ON DRAWINGS AND SPECS. COOPERATE WITH ALL OTHER CONTRACTORS IN LOCATING PIPING, DUCTWORK, CONDUIT, OPENINGS, CHASES AND EQUIPMENT IN ORDER TO AVOID CONFLICT WITH ANY OTHER CONTRACTOR'S WORK. GIVE SPECIAL ATTENTION TO POINTS WHERE DUCTS OR PIPINGS 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.	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.	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).	4. ALL CONTRACTORS SHALL EXERORISE 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, STANDARO AND SAFETY REQUIREMENTS.	5. UTILITIES SHALL BE INSTALLED IN ACCORD WITH THE APPLICABLE MUNICIPALITY OR UTILITY COMPANY STANDARDS. IN ALL CASES, THE MOST STRINGENT REQUIREMENT SHALL APPLY.	6. ALL NEW WORK SHALL BE HUNG FROM STRUCTURE, NOT FROM THE WORK OF OTHER TRADES, WHETHER EXISTING OR NEW. PROVIDE ENGINEERED SEISMIC CONSTRAINTS AND BRACING WHERE REQUIRED. PROVIDE ADDITIONAL SUPPORT FOR ALL ELECTRICAL EQUIPMENT WHEREVER THE BUILDING STRUCTURE IS NOT SUITABLE FOR DIRECT MOUNTING.	7. COORDINATE ALL WORK WITH PROJECT PHASING REQUIREMENTS.	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.	9. 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>120 VOLT 20 AMP</td><td>#12 AWG</td><td>#10 AWG</td></tr><tr><td></td><td><65 FEET</td><td><110 FEET</td></tr><tr><td>240 VOLT 20 AMP</td><td><160 FEET</td><td><250 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.	120 VOLT 20 AMP	#12 AWG	#10 AWG		<65 FEET	<110 FEET	240 VOLT 20 AMP	<160 FEET	<250 FEET	10. CONTRACTOR SHALL FOLLOW CIRCUITING LAY-OUT WITH THREE BRANCH CIRCUITS-MAXIMUM, PER HOMERUN, AS INDICATED ON THE FLOOR PLANS OR SHALL ADD ONE NEUTRAL CONDUCTOR FOR EVERY ADDITIONAL THREE PHASE CONDUCTOR. DERATE ALL PHSE CONDUCTORS AND UPSIZE CONDUIT AS REQUIRED PER N.E.C.	11. 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.)	12. THE CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY COMPANY FEES OR OTHER COSTS THAT ANY UTILITY COMPANY MAY REQUIRE TO COMPLETE THEIR WORK. (ELECTRIC, TELEPHONE, TELEVISION, ETC.).	13. WHERE FIRE PROOFING IS SPRAYED ON EXISTING STRUCTURE ALL EXISTING CONDUITS, BOXES, RACEWAY, ETC. SHALL BE LOWERED TO BE BELOW FULL THICKNESS OF FIRE PROOFING WITH NO INTERFERENCE.	14. 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.	15. CONDUITS, ETC. IN ROOMS WITH CEILINGS SHALL BE ABOVE CEILING EXCEPT AS NOTED.	16. LOCATIONS OF EQUIPMENT ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD. DO NOT SCALE THE DRAWINGS.	17. INSTALL ALL EQUIPMENT IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS. PROVIDE RECOMMENDED ACCESS AND SERVICE CLEARANCES.	18. SEAL AIRTIGHT AROUND ALL CONDUIT PENETRATIONS THROUGH WALLS, FLOORS AND ROOF, FIRE CAULK ALL. PROVIDE SMOKE/FIRE STOPPING WHERE ELECTRICAL WORK PENETRATES FIRE OR SMOKE RATED ASSEMBLIES.	19. ALL WIRING SHALL BE PLENUM RATED WHEN INSTALLED IN AN HVAC RETURN AIR PLENUM.	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.	21. CONTRACTOR SHALL MEET OR EXCEED REQUIREMENTS FOR MAINTAINING THE RATED VALUE OF ALL FIRE RATED WALLS, FLOORS, BARRIERS AND CEILINGS.	22. WHERE INSTALLED IN PLENUM, ALL TELEPHONE, COMPUTER, FIRE ALARM AND COMMUNICATIONS WIRING SHALL MEET NEC ARTICLE 300-22 REQUIREMENTS.	23. CONTRACTOR SHALL USE COPPER WIRE WITH APPROPRIATE INSULATION TYPE IN ALL APPLICATIONS.	24. MAIN DISCONNECT SHALL HAVE A MINIMUM RATING OF 65,000 AIC UNLESS A SMALLER SIZE IS CONFIRMED WITH THE LOCAL UTILITY. MAIN DISCONNECTS FOR SERVICES OF 600 VOLTS OR HIGHER AND 1000 AMP OR GREATER SHALL BE GFI PROTECTED.	25. MOUNT GROUPED DEVICES IN A SINGLE CONTINUOUS GANG BOX WHEN APPLICABLE, UON.	26. GROUNDING SHALL COMPLY WITH NEC ARTICLE 250. GROUNDING SHALL BE CONNECTED TO GROUNDING ROD GRID, BUILDING STEEL, FOUNDATION REINFORCEMENT AND WATER PIPE WHEN APPLICABLE.	27. CONTRACTOR SHALL INSTALL SUFFICIENT LIGHTING AND SWITCHES TO PROVIDE CODE-COMPLIANT, SAFE ACCESS IN ATTIC SPACES WHERE APPLICABLE.	28. CONTRACTOR SHALL INSTALL (GROUND FAULT PROTECTED WHEN APPLICABLE) ELECTRICAL DUPLEXES AND SAFETY DISCONNECTS IN CLOSE PROXIMITY OF MECHANICAL SYSTEM UNLESS PROVIDED BY MECHANICAL CONTRACTOR.	29. 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 DIAGONALS. RECESSED CANS SHALL HAVE A MINIMUM OF (1) STRUCTURE SUPPORT.	30. CONTRACTOR SHALL TIE EXHAUST FANS POWER CIRCUITS AS NOTED ON MECHANICAL PLANS.	31. CONTRACTOR SHALL USE ARC-FAULT BREAKERS FOR ALL BEDROOMS WHEN REQUIRED BY NEC OR AHJ.	32. ALL NEW AND RELOCATED PANELBOARDS SHALL BE LABELED WITH RESPECT TO TITLE, VOLTAGE AND PHASE. REFER TO DETAIL ON DRAWINGS.	33. PROVIDE ARC FLASH LABELS FOR ALL NEW PANELS AND ANY PANELS WITH CIRCUITS MODIFIED ON THIS PROJECT. LABEL SHALL BE PHENOLIC PLASTIC WITH WHITE LETTERS AND BLACK BACKGROUND. LABEL SHALL BE PERMANENTLY FIXED TO THE EQUIPMENT.	34. 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.	35. ALL EXTERIOR RECEPTACLES, JUNCTION BOXES AND EQUIPMENT SHALL BE WEATHERPROOF. CONTRACTOR SHALL INSTALL GROUND FAULT INTERRUPTING RECEPTACLES IN FLUSH MOUNTED WEATHERPROOF BOXES AT ALL POTENTIALLY WET LOCATIONS WHEN APPLICABLE, UON.	36. REFER TO THE MECHANICAL DRAWINGS FOR THE LOCATION OF THERMOSTATS, UNITS AND OTHER SPECIAL EQUIPMENT. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF ALL CONDUITS, JUNCTION BOXES AND DISCONNECT SWITCHES FOR POWER TO HVAC EQUIPMENT. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR ALL THERMOSTATS AND CONTROL WIRING.	37. 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 KIND 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 HAIL 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.	38. 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 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. SUCH USE OF EQUIPMENT SHALL IN NO WAY INVALIDATE 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.	39. 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 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 CONDUITS PASSING THRU CONCRETE FLOOR SLABS AND CONCRETE WALL CONSTRUCTION. SLEEVES SHALL NOT BE PROVIDED 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.	40. 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.	41. 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.	42. ALL WORK RELATING TO THE HANDICAPPED SHALL COMPLY WITH REGULATIONS CURRENTLY ENFORCED BY THE AHJ.	43. IT SHALL BE THIS CONTRACTOR'S RESPONSIBILITY, PRIOR TO ANY INDIVIDUAL CIRCUIT'S INSTALLATION, TO 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. IF ANY CONFLICT IN VOLTAGE, PHASE OR LOAD IS ENCOUNTERED WHICH WOULD ALTER THE CIRCUIT SIZE, THIS CONTRACTOR SHALL NOTIFY THE ENGINEER OR OWNER IMMEDIATELY.	44. WIRING SHOWN IN THE PANEL SCHEDULE IS THE MINIMUM REQUIRED. RUNS IN EXCESS OF 100 FEET (ONE WAY) SHALL BE INCREASED ONE WIRE SIZE TO COMPENSATE FOR VOLTAGE DROP.	45. DUPLEX RECEPTACLES TO BE 125V, 20A, NEMA 5-20R EQUIVALENT TO PASS & SEYMOUR 5352-I.	46. SWITCHES TO BE EQUIVALENT TO 125V/20A PASS & SEYMOUR COMMERCIAL GRADE.	47. 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.	48. TRADE NAMES ARE GIVEN TO CLARIFY TYPE OF PRODUCT AND QUALITY DESIRED. SUBSTITUTIONS MAY BE MADE, PENDING APPROVAL OF THE A/E UNLESS OTHERWISE NOTED.
120 VOLT 20 AMP	#12 AWG	#10 AWG																																																						
	<65 FEET	<110 FEET																																																						
240 VOLT 20 AMP	<160 FEET	<250 FEET																																																						
		GENERAL DRAFTING SYMBOLS  DETAIL DESIGNATOR SHEET NUMBER CONNECT TO EXISTING (VERIFY EXACT LOCATION)  LIMIT OF DEMOLITION SHEET NOTE  GENERAL NOTE  REVISION NOTE -SEE REVISIONS LIST		POWER SYMBOLS  GROUND FAULT CIRCUIT INTERRUPTER  WEATHER PROOF DEVICE  TAMPER PROOF  EMERGENCY CIRCUIT  TWIST LOCK DEVICE  SINGLE RECEPTACLE  DUPLEX RECEPTACLE  DUPLEX RECEPTACLE WITH USB PORT  SAFETY RECEPTACLE (CHILD PROOF)  DUPLEX GFCI RECEPTACLE  RECEPTACLE ABOVE COUNTER  QUADRUPLEX RECEPTACLE  220V RECEPTACLE  SPECIAL RECEPTACLE  HEAVY DUTY RATED DISCONNECT SWITCH  STARTER  STARTER / DISCONNECT SWITCH COMBINATION  NEW / EXISTING RECESSED PANELBOARD  NEW / EXISTING SURFACE MOUNTED PANELBOARD  MOTOR  TIME CLOCK  TRANSFORMER RELAY  PUSH BUTTON KILL SWITCH		SECURITY SYMBOLS (ROUGH-IN ONLY, UON)  CLOSED CIRCUIT T.V. CAMERA  IDENTIFICATION CAMERA  BAR CODE READER  INTERCOM STATION  CEILING MOUNTED INTRUSION DETECTOR  WALL MOUNTED INTRUSION DETECTOR  DURESS ALARM RECEIVER (RF SIGNAL)  PUSHBUTTON DURESS SIGNAL (HARDWIRED)  SILENT PAGING STATION  BURGLAR ALARM  SECURITY MONITOR		FIRE ALARM SYMBOLS  AUDIO / VISUAL DEVICE MINIMUM LIGHT OUTPUT INTENSITY - xxx CANDELAS (IF SPECIFIED)  AUDIO ONLY DEVICE  VISUAL ONLY DEVICE MINIMUM LIGHT OUTPUT INTENSITY - xxx CANDELAS (IF SPECIFIED)  FIRE ALARM PHOTOELECTRIC SMOKE DETECTOR T = THERMAL T110 U.O.N. DS = DUCT SMOKE DETECTOR CO = COMBINATION SMOKE AND CARBON MONOXIDE DETECTOR  FIRE ALARM CARBON MONOXIDE DETECTOR  LOW FREQUENCY SOUNDER DEVICE INTERFACED WITH CENTRAL FIRE ALARM SYSTEM TO ALARM UPON DETECTION OF SPRINKLER WATER FLOW. IN SLEEPING UNITS, PROVIDE DETECTOR(S) WITH LOW FREQUENCY SOUNDER DEVICE IAW NFPA 72. NOTE:  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.																																																
		WIRING SYMBOLS  HOMERUN TO PANEL BOARD  SURFACE MOUNTED JUNCTION BOX  WALL MOUNTED JUNCTION BOX HOME RUN TO PANEL "A" BREAKER NO. 1 INCLUDES THE FOLLOWING IN A 3/4" CONDUIT:  UNLESS OTHERWISE NOTED, ALL CIRCUITS ON PLAN CONTAIN THIS WIRE CONFIGURATION. IF USED, HASH MARKS INDICATE NUMBER OF WIRES. PULL A SEPARATE NEUTRAL WIRE FOR EACH CIRCUIT.		NURSE CALL SYMBOLS  NURSE CALL BED INTERFACE UNIT (2 GANG BACKBOX)  NURSE CALL SINGLE PATIENT STATION (4 GANG BACKBOX)  NURSE CALL DUAL PATIENT STATION (4 GANG BACKBOX)  NURSE CALL TOILET PULL STATION (2 GANG BACKBOX)  NURSE CALL STAFF STATION (4 GANG BACKBOX) (B = CODE BLUE)  NURSE CALL SHOWER PULL STATION (2 GANG BACKBOX)  NURSE CALL DOME LIGHT (2 GANG BACKBOX)  NURSE CALL MASTER MONOCHROME DISPLAY (COORDINATE EXACT LOCATION WITH OWNER)  NURSE CALL REMOTE LOCATOR RECEIVER (1 GANG BACKBOX)  PATIENT MONITORING OUTLET REQUIRES 2-GANG, 2-1/2" DEEP BOX WITH SINGLE GANG PLASTER FRAME  CENTRAL EQUIPMENT CABINET  NURSE CALL ROOM BOARD (NO BACKBOX, CONDUIT INTERFACE ONLY) (I = INTELLIGENT ROOM BOARD)  NURSE CALL MASTER STATION JUNCTION BOX																																																				
		TECHNOLOGY SYSTEMS SYMBOLS (ROUGH-IN ONLY, UON) NOTE: ALL TECHNOLOGY SYSTEMS ROUGH-IN TO BE 4" SQ. X 2 1/8" D ONLY WITH ONE-GANG SQUARE CORNER EXTENSION RING. PROVIDE BLANK PLATE.  CABLE TV CONNECTION  TELECOMMUNICATIONS OUTLET - TELEPHONE / DATA OUTLET 1 TELEPHONE / 1 DATA UNLESS OTHERWISE NOTED  TELECOMMUNICATIONS OUTLET - DEMOLITION  SPEAKER DEVICE  KEY PAD STATION  MICROPHONE OUTLET - SINGLE  PUSH PLATE DOOR OPENER  HORN TYPE PAGING SPEAKER  CARD READER STATION  WIRELESS ACCESS POINT ROUGH-IN WITH 1" C TO ACCESSIBLE CEILING SPACE		MOUNTING HEIGHTS TO CENTERLINE (U.O.N.) COMMUNICATIONS OUTLET 1'-6" CONVENIENCE OUTLETS 1'-6" T.V. OUTLETS 1'-6" FIRE ALARM MANUAL STATION 3'-10" INTERCOM 3'-10" THERMOSTATS 3'-10" WALL SWITCHES 3'-10" PHASING NOTE 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.N.O. AND HAVE THEM TESTED AND FULLY AND RELIABLY FUNCTIONAL PRIOR TO INTERRUPTING, RELOCATING OR REMOVING ANY EXISTING SERVICES. 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.																																																				
		  		RENOVATION TO CENTRAL BATHS SANSBURY CARE CENTER ST. CATHERINE, KENTUCKY johnson early architects																																																				



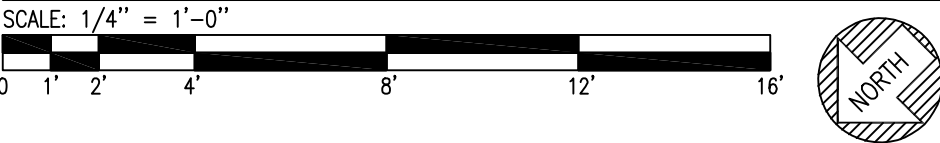
ENLARGED ELECTRICAL DEMOLITION - ROOMS 312 & 313



ENLARGED ELECTRICAL PLAN - ROOMS 312 & 313



TYPICAL ENLARGED LIGHTING PLAN



SHEET NOTES

1. REMOVE EXIST PANEL AND PREP FEEDER CONDUCTORS AND BRANCH CIRCUITS TO BE REUSED UNDER NEW WORK TO NEW PANEL LOCATION.
2. REMOVE EXIST LIGHTING CIRCUIT TO NEAREST J-BOX ABOVE CEILING AND PREP CONDUCTORS TO BE REUSED UNDER NEW WORK, TYPICAL ALL FIXTURES WITHIN PROJECT AREA.
3. PROVIDE NEW 208V/3PH, MLO PANEL. REWORK EXISTING FEEDER CONDUCTORS TO NEW PANEL. FIELD VERIFY TOP OR BOTTOM INCOMING FEEDER LOCATION. PROVIDE NEW ELECTRICAL GROUNDING SYSTEM (AW NEC). REWORK ALL EXISTING BRANCH CIRCUITS AND REFEED FROM NEW PANEL. PROVIDE QTY AND TYPE OF BREAKERS IN NEW PANEL TO MATCH EXISTING BRANCH CIRCUITS. FIELD VERIFY PRIOR TO REMOVING EXISTING PANEL.
4. EXTEND/REWORK EXIST LIGHTING CIRCUIT TO ACHIEVE NEW SWITCHING SCHEME.
5. PROVIDE NEW 20A/1P BREAKER IN PANEL WITH 2#12 AND #12 GND IN 3/4"C.
6. PROVIDE NEW 20A/1P BREAKER IN 3RD FLOOR PANEL PB-3E WITH 2#12 AND #12 GND IN 3/4"C TO FEED NEW ROOFTOP EXHAUST FANS.
7. REMOVE EXISTING NURSE CALL DEVICES. REMOVE CABLING BACK TO ABOVE CEILING.
8. REWORK NURSE CALL WIRING TO NEW DEVICE LOCATION, TYPICAL OF DEVICES WITHIN PROJECT AREA. COORDINATE FINAL LOCATION OF NURSE CALL DEVICES WITH OWNER BEFORE INSTALLATION.
9. REMOVE EXHAUST FAN POWER CIRCUIT COMPLETE BACK TO SOURCE.
10. REMOVE EXIST SURFACE MTD J-BOX AND RACEWAY ABOVE EXIST PANEL. REWORK CONCEALED ABOVE NEW CEILING.

DEMOLITION GENERAL NOTES

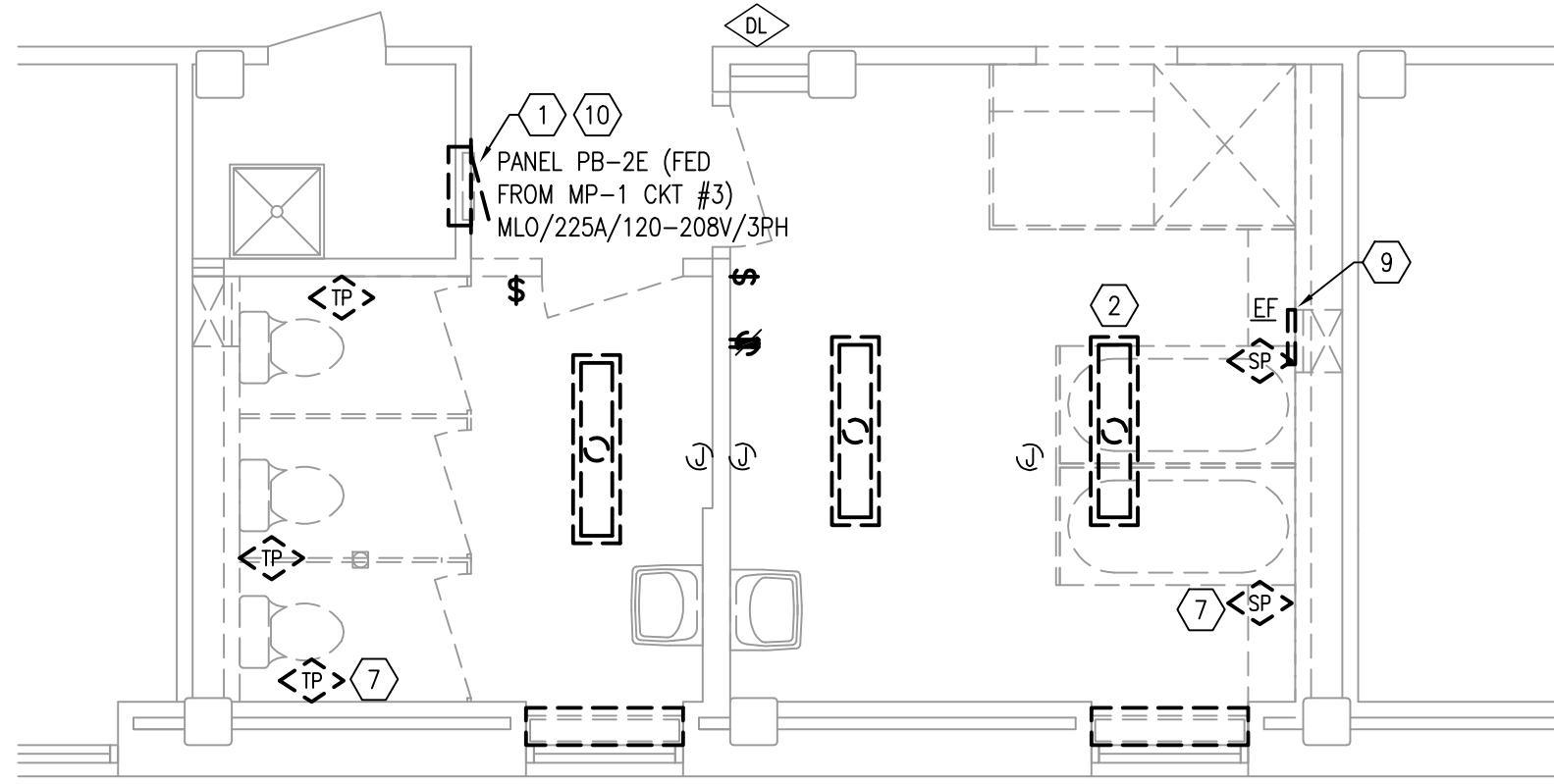
- A. THICK DASHED LINES INDICATE ITEMS FOR REMOVAL (UON) AND THIN SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.
- B. MAINTAIN THE CONTINUITY OF EXISTING CIRCUITS THAT CONTAIN DEVICES OR EQUIPMENT THAT ARE TO REMAIN. WHEN DEMOLITION OF AN ELECTRICAL DEVICE (OR CIRCUIT) IS INDICATED ON THE DRAWINGS, ENSURE 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. RELOCATE EXISTING ELECTRICAL SYSTEMS IN CONFLICT WITH EXISTING OR NEW WORK OF OTHER TRADES TO PERMIT INSTALLATION OF DEVICES AND EQUIPMENT SHOWN ON PLANS.
- H. 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.

NEW WORK GENERAL NOTES

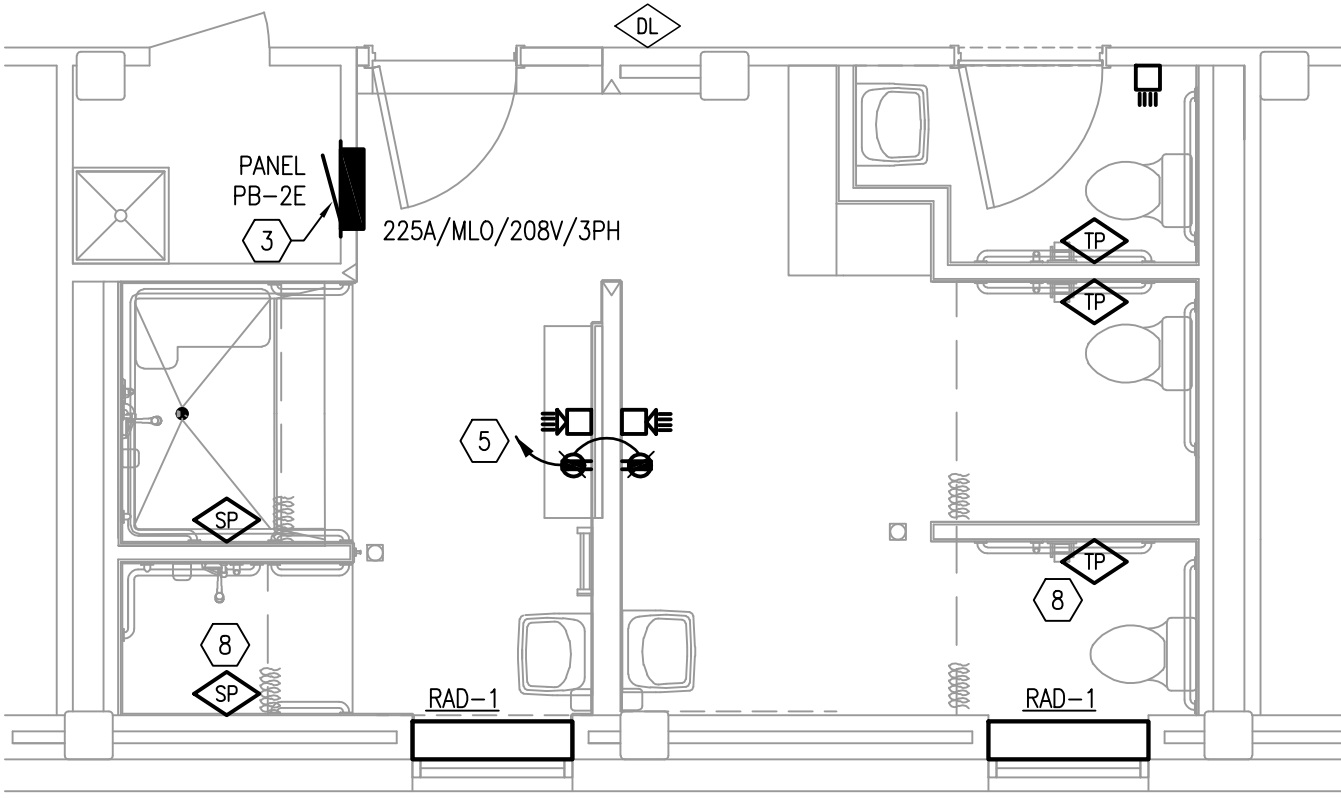
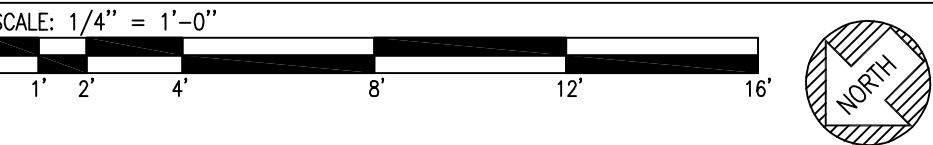
- A. PROVIDE VINYL LABEL ON COVER PLATE OF EACH RECEPTACLE AND LIGHT SWITCH IN PROJECT AREA INDICATING PANEL AND PANEL SPACE NUMBER FEEDING RECEPTACLE AND LIGHT FIXTURE.
- B. LOCATIONS OF ELECTRICAL CONNECTIONS AND LOCAL DISCONNECTS SHALL BE COORDINATED WITH MECHANICAL CONTRACTOR TO ENSURE ACCESS AND 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.
- C. COORDINATE POWER SYSTEM SHUTDOWN WITH OWNER AND ARCHITECT MINIMUM 7-DAYS IN ADVANCE.

FIRE ALARM GENERAL NOTES

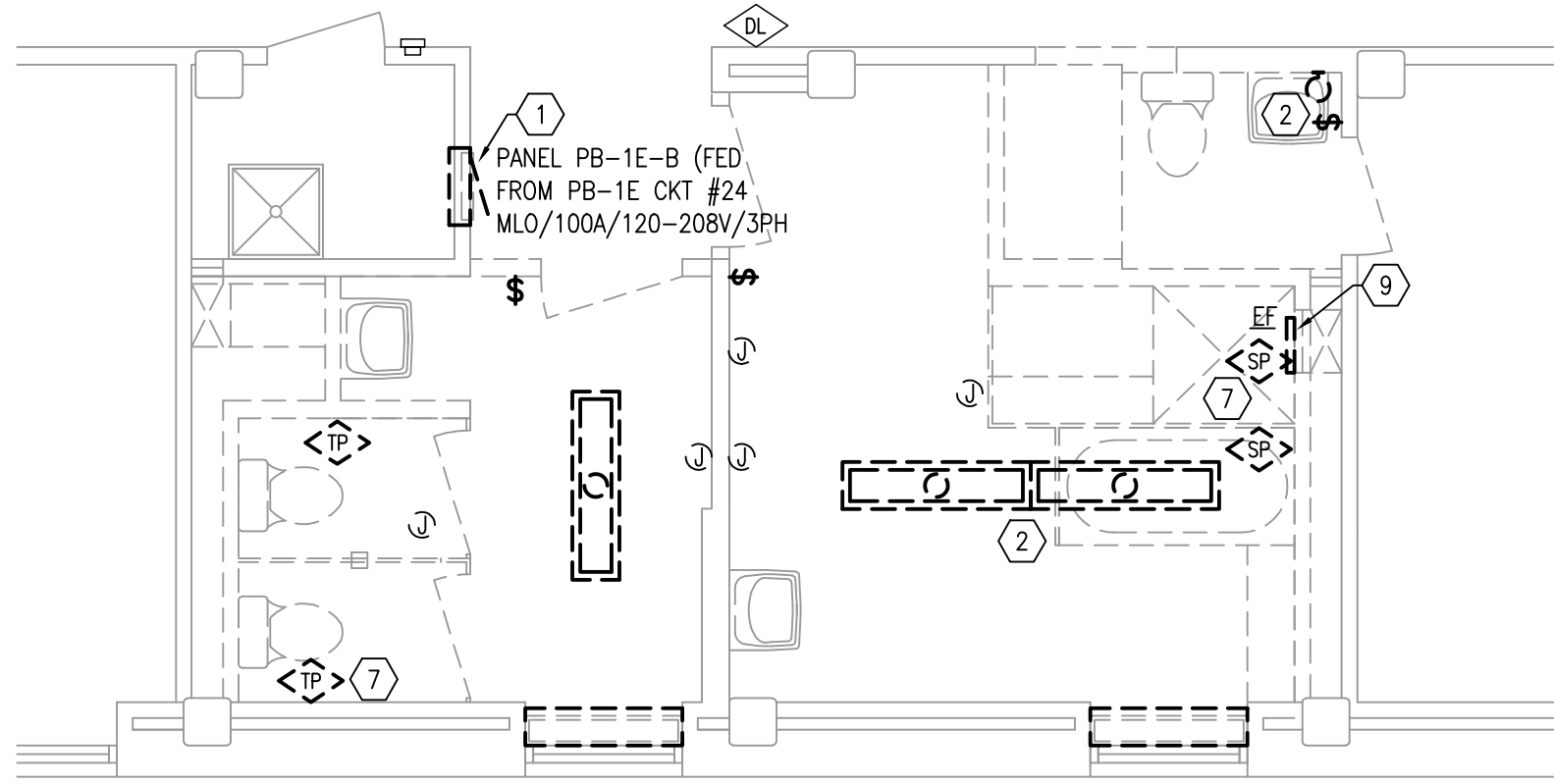
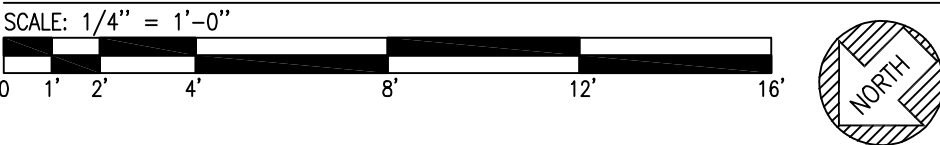
- A. FIRE ALARM CONTRACTOR SHALL PERFORM BATTERY CALCULATIONS FOR THE DEVICES IN THIS SYSTEM AND CONFIRM PROPER STROBE CANDELLA OUTPUTS.
- B. THE FIRE ALARM SYSTEM SHOWN ON THE PLANS IS FOR COORDINATION ONLY. THE SYSTEM SHOWN ON THE DRAWINGS MAY NOT REPRESENT THE COMPLETE REQUIRED FINAL FIRE ALARM SYSTEM 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.



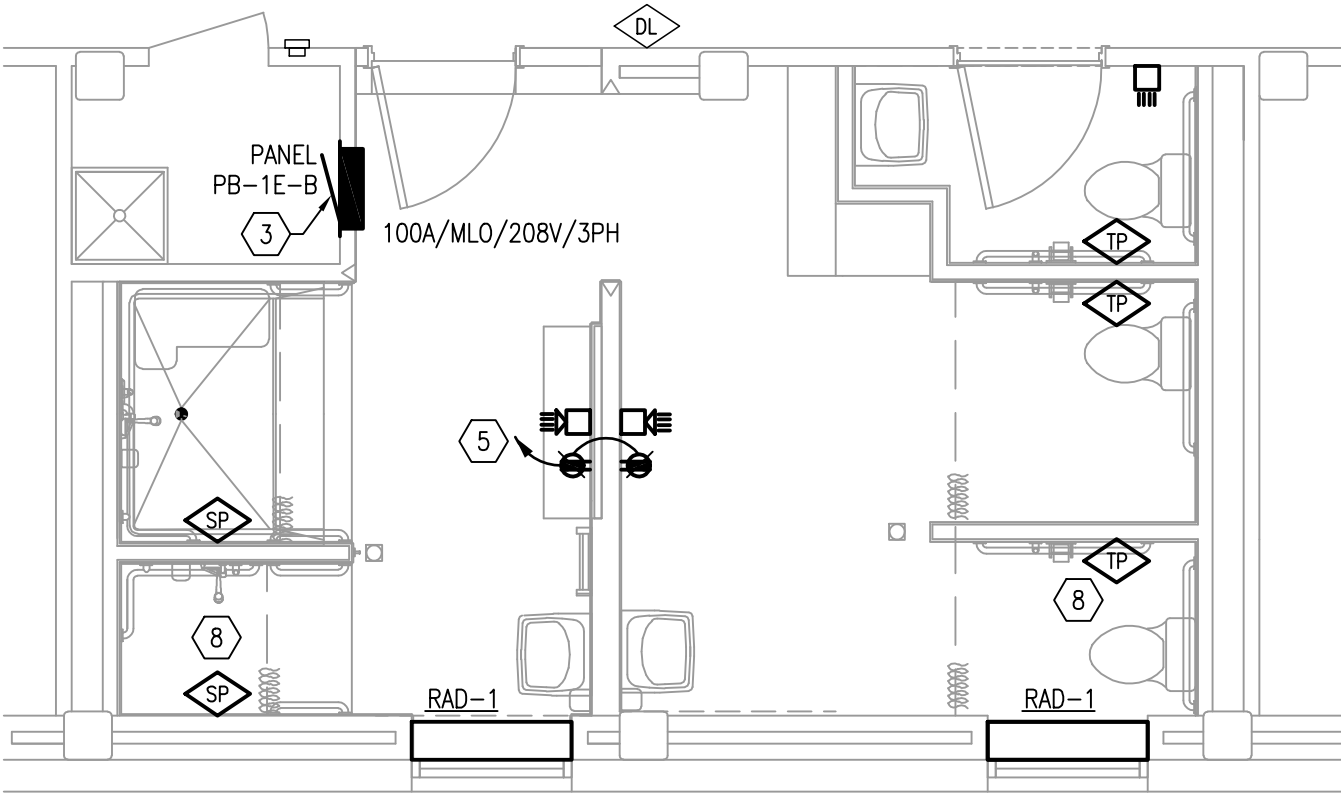
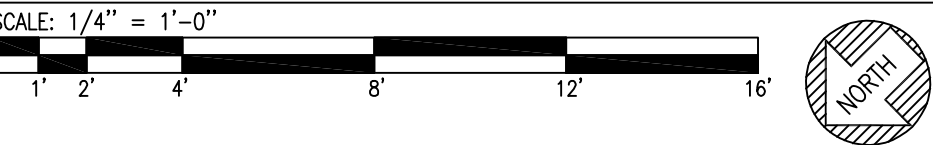
ENLARGED ELECTRICAL DEMOLITION - ROOMS 213 & 214



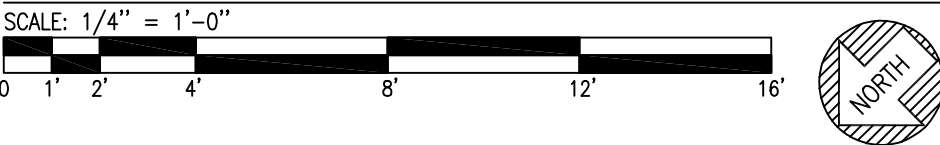
ENLARGED ELECTRICAL PLAN - ROOMS 213 & 214



ENLARGED ELECTRICAL DEMOLITION - ROOMS 120 & 121



ENLARGED ELECTRICAL PLAN - ROOMS 120 & 121



ELECTRICAL SPECIFICATIONS

WIRING DEVICES

DUPLEX RECEPTACLE TO BE 20 AMP, 125 VOLTS, 5-15R CONFIGURATION, BRIGHT WHITE COLOR OF INTERMEDIATE GRADE.

RECEPTACLE GFCI TO BE 20 AMP, 125 VOLTS, 5-15R CONFIGURATION, BRIGHT WHITE COLOR OF INTERMEDIATE GRADE. SWITCH, SINGLE POLE, TO BE 20 AMP, 120 VOLT, SPST, BRIGHT WHITE COLOR OF INTERMEDIATE GRADE.

FOR ALL DEVICES, PROVIDE FIRE RATED BACKBOXES OF SAME FIRE RATING IN FIRE RATED ASSEMBLIES. PROVIDE FIRESTOPPING IN FIRE RATED ASSEMBLIES PER AHJ REQUIREMENTS.

PLATES/COVERS

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

PANELBOARDS

A. ENCLOSURES: FLUSH AND SURFACE-MOUNTED, DEAD-FRONT CABINETS.

1. RATED FOR ENVIRONMENTAL CONDITIONS AT INSTALLED LOCATION.

• INDOOR DRY AND CLEAN LOCATIONS: NEMA 250, TYPE 1.

• OUTDOOR LOCATIONS: NEMA 250, TYPE 3R.

• OTHER WET OR DAMP INDOOR LOCATIONS: NEMA 250, TYPE 4.

2. DIRECTORY CARD: TYPE-WRITTEN, INSIDE PANELBOARD DOOR, MOUNTED IN TRANSPARENT CARD HOLDER.

B. INCOMING MAINS LOCATION: TOP OR BOTTOM. PROVIDE TOP LUGS FOR TOP FEED CONDUCTORS AND BOTTOM LUGS FOR BOTTOM FEED CONDUCTORS.

C. PHASE, NEUTRAL, AND GROUND BUSES: HARD-DRAWN COPPER, 98 PERCENT CONDUCTIVITY.

D. PANELBOARD SHORT-CIRCUIT CURRENT RATING: RATED FOR SERIES-CONNECTED SYSTEM WITH INTEGRAL OR REMOTE UPSTREAM OVERCURRENT PROTECTIVE DEVICES AND LABELED BY AN NRTL. INCLUDE LABEL OR MANUAL WITH SIZE AND TYPE OF ALLOWABLE UPSTREAM AND BRANCH DEVICES LISTED AND LABELED BY AN NRTL FOR SERIES-CONNECTED SHORT-CIRCUIT RATING.

E. PANELBOARD SHORT-CIRCUIT CURRENT RATING: FULLY RATED TO INTERRUPT SYMMETRICAL SHORT-CIRCUIT CURRENT AVAILABLE AT TERMINALS. ASSEMBLY LISTED BY AN NRTL FOR 100 PERCENT INTERRUPTING CAPACITY.

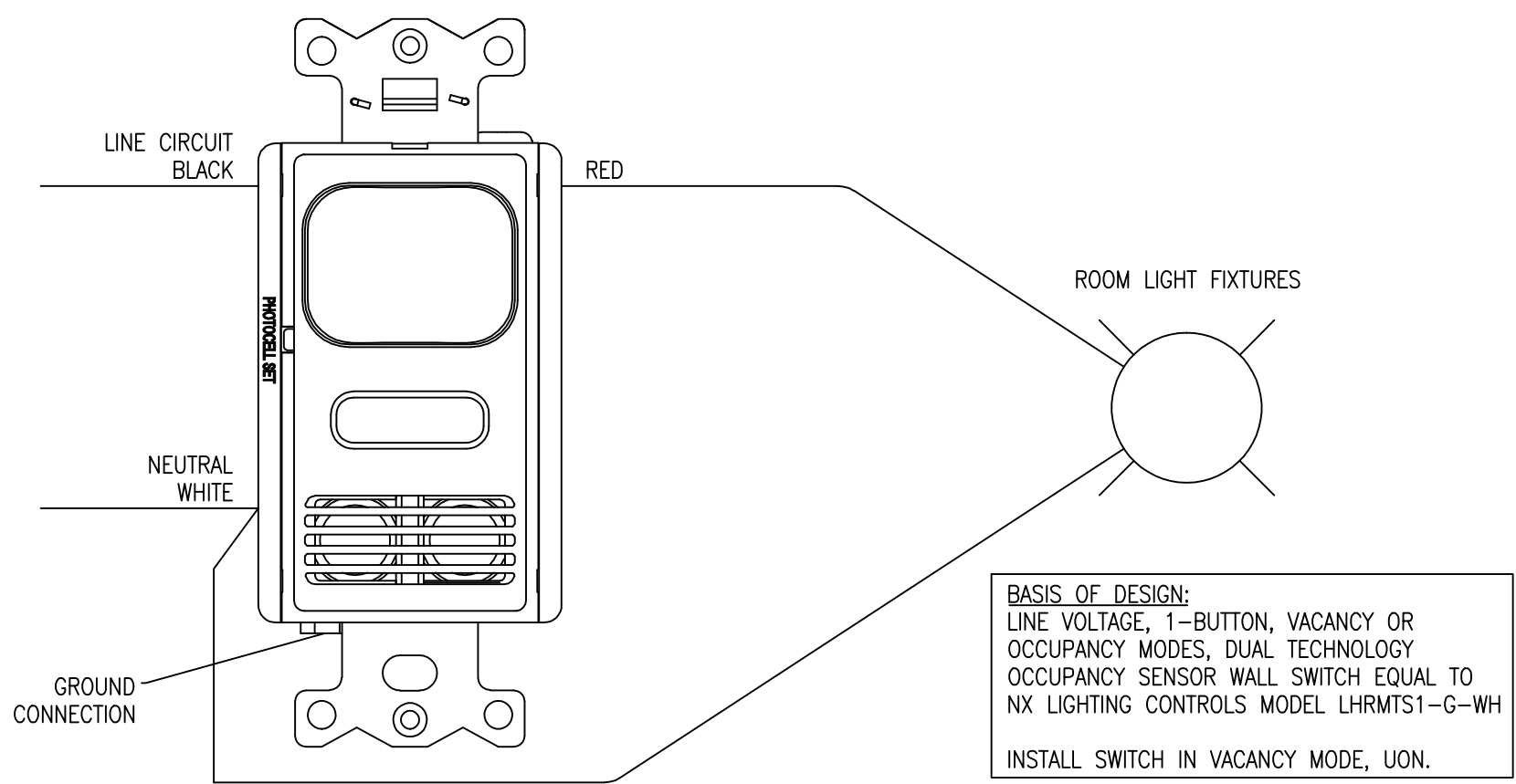
GENERAL

A. ALL CIRCUITS SHALL BE IN EMT CONDUIT. MC CABLE IS ACCEPTABLE WHERE INSTALLED CONCEALED WITHIN WALLS AND ABOVE CEILING.

LIGHT FIXTURE SCHEDULE								
TYPE	MFG.	MODEL NO.	DESCRIPTION	LAMPS	MOUNTING	VOLTS	INPUT WATTS	PHOTO (WHEN AVAILABLE)
AR	COLUMBIA	LJT24-40VWG-FSA12-EDU-WL	2'x4' ARCHITECTURAL LED TROFFER FIXTURE FOR GRID LAY-IN CEILING INSTALLATION. WHITE STEEL HOUSING WITH CURVED ACRYLIC LENS. 1-10V DIMMABLE. SUITABLE FOR WET LOCATION.	LED, 3495 LUMEN	LAY-IN	120	27	
ARE	COLUMBIA	LJT24-40VWG-FSA12-EDU-ELL14-WL	SAME AS FIXTURE 'AR' EXCEPT PROVIDE WITH INTEGRAL 90-MINUTE EMERGENCY BATTERY PACK.	LED, 3495 LUMEN	LAY-IN	120	27	
S	ELITE LIGHTING	HH6-LED-1500L-DIM10-MVOLT-WD-40K-90-HH6-6534-CL-WH	6" LED DOWNLIGHT. 0-10V 1% DIMMABLE. CLEAR ALZAK REFLECTOR, WHITE TRIM FINISH, SUITABLE FOR WET LOCATION.	LED, 1500 LUMEN	RECESSED	120	15	
SE	ELITE LIGHTING	HH6-LED-1500L-DIM10-MVOLT-WD-40K-90-EMG-LED-10W-HH6-6501-CL-WH	6" LED DOWNLIGHT. 0-10V 1% DIMMABLE. CLEAR ALZAK REFLECTOR, WHITE TRIM. PROVIDE WITH 90-MINUTE EMERGENCY BATTERY PACK.	LED, 1500 LUMEN	RECESSED	120	15	

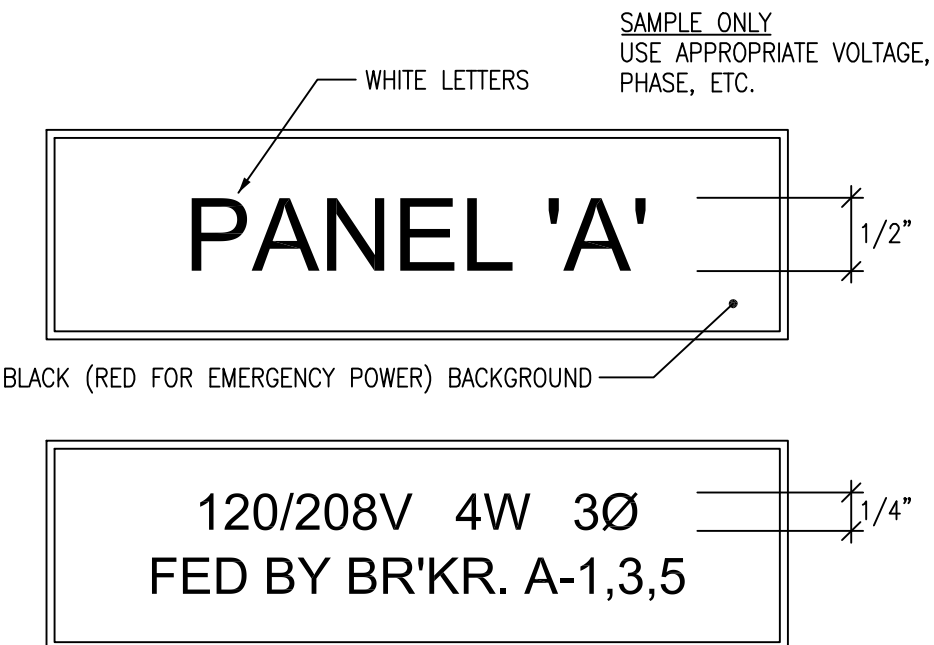
NOTES:

- EQUIVALENT FIXTURES TO THOSE SPECIFIED ABOVE MAY BE SUBMITTED FOR ENGINEER'S REVIEW
- COORDINATE ALL DECORATIVE FIXTURE MOUNTING HEIGHTS WITH ARCHITECTURAL DRAWINGS PRIOR TO INSTALLATION.
- PROVIDE ALL FIXTURES WITH 4000K LAMPS, UON.



WALL SWITCH OCCUPANCY SENSOR (NON-DIMMING) WIRING DIAGRAM

NOT TO SCALE

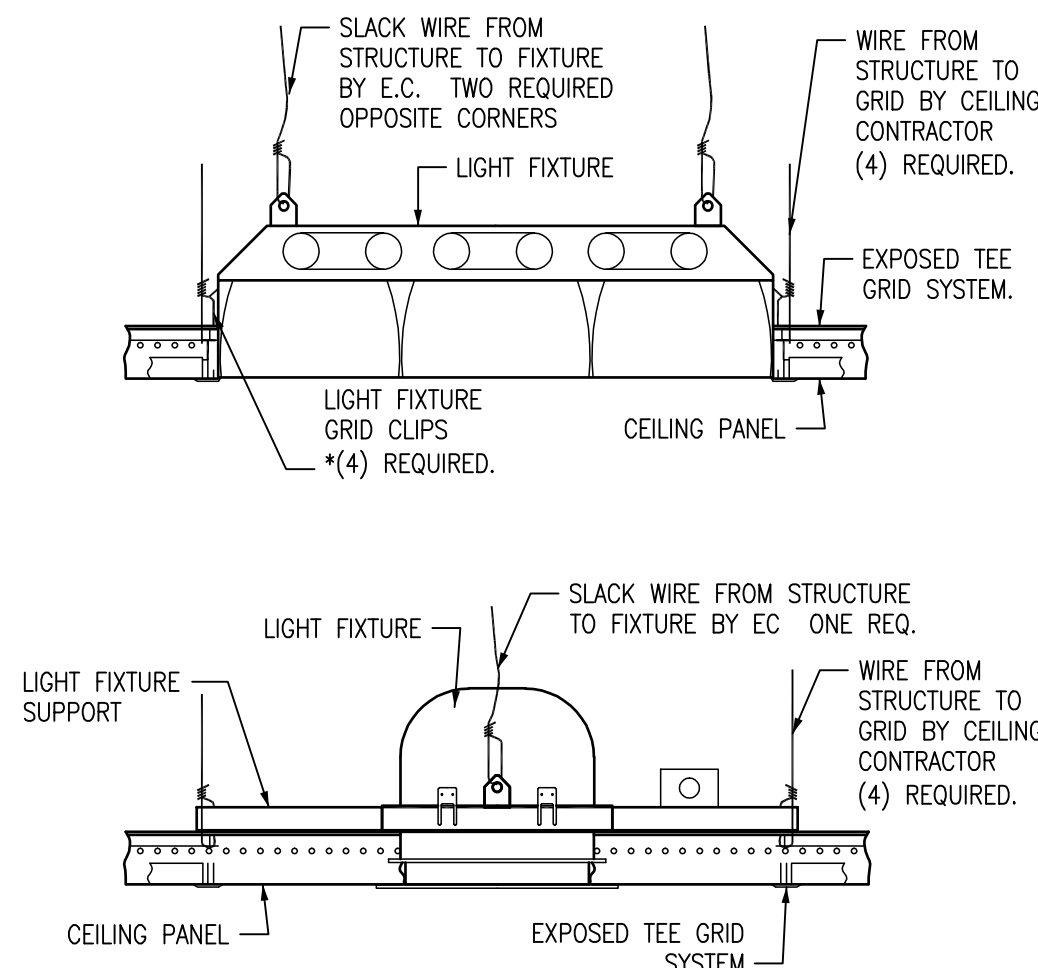


NOTES:

- ALL PANELS, SWITCHGEAR, CABINETS, AND OTHER LARGE EQUIPMENT TO BE MARKED WITH PANEL DESIGNATION (1/2") AND FEEDING CIRCUIT/VOLTAGE (1/4"). USE LAMACOID PLATES CENTERED ABOVE DOOR ON EXTERIOR TRIM.
- MARK ROOF MOUNTED EXHAUST FANS, ROOFTOP UNITS, AND ALL SIMILAR HVAC EQUIPMENT DISCONNECTS WITH EQUIPMENT TAG, FEEDING PANEL & BREAKER, AND CIRCUIT/VOLTAGE (1/4").
- PROPER VOLTAGE AND PHASE TO BE SHOWN ON ALL EQUIPMENT.
- PANEL INDEXES TO BE TYPED AND SHALL INDICATE EQUIPMENT SERVED AND LOCATION OF EQUIPMENT.
- NORMAL POWER PANELS SHALL HAVE BLACK BACKGROUND AND WHITE LETTERS, EMERGENCY POWER PANELS SHALL HAVE RED BACKGROUND AND WHITE LETTERS.

PANEL & DISCONNECT LABELS

NOT TO SCALE



TYPICAL CEILING GRID LIGHT FIXTURES

NO SCALE