























## PLUMBING SYMBOLS

## GENERAL SYMBOLS

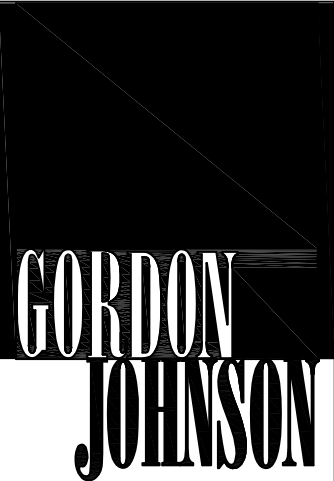
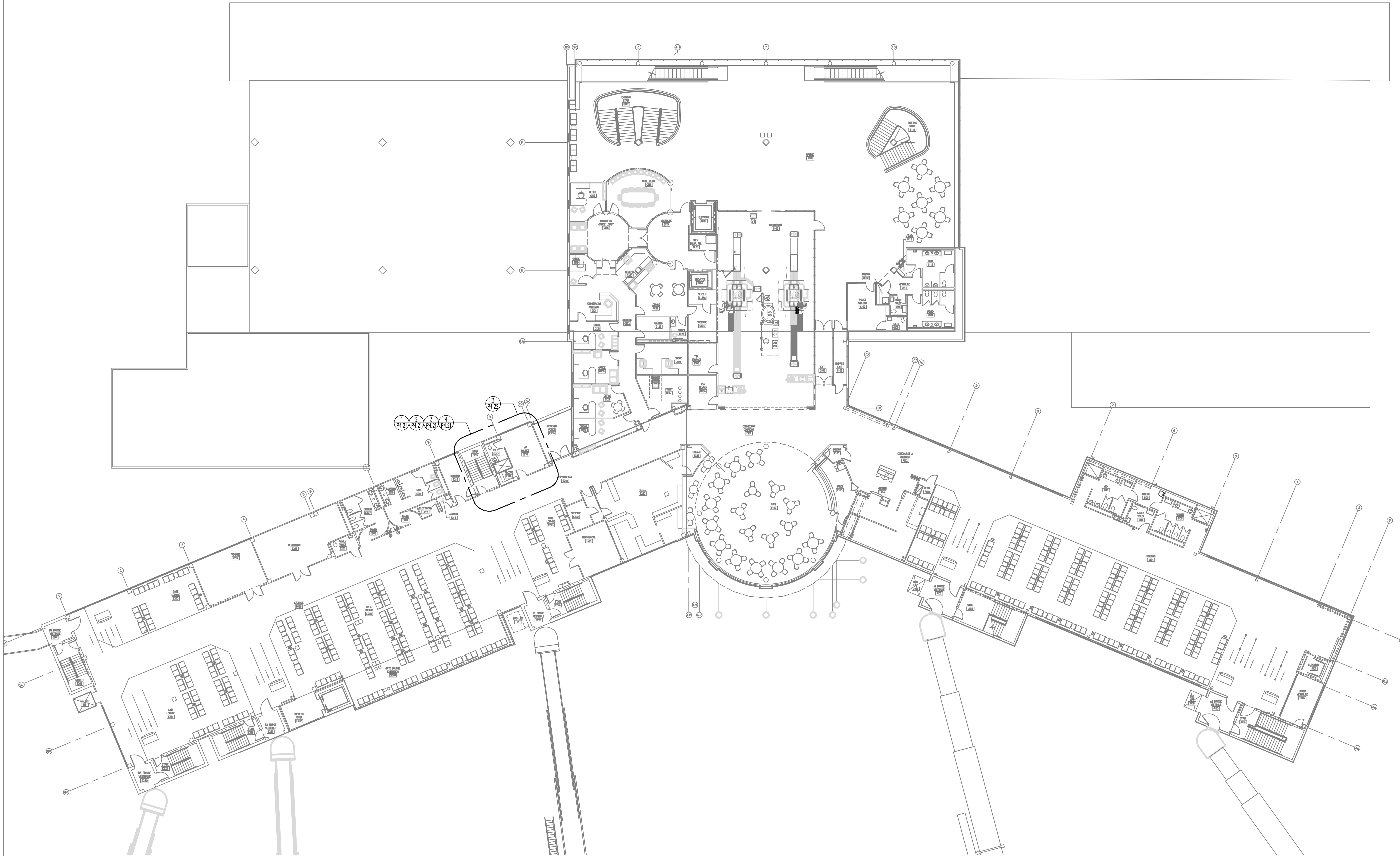
## GENERAL ABBREVIATIONS

NOTE: THIS IS A STANDARD ABBREVIATION LIST. SOME ABBREVIATIONS MAY NOT APPEAR ON THE ACCOMPANYING DRAWINGS.

PIPING SYSTEMS		DESIGNATION	
SYMBOL	DESCRIPTION	DESIGNATION	DESCRIPTION
	DOMESTIC COLD WATER (POTABLE)	----	DEMOLITION WORK
	DOMESTIC HOT WATER	----	EXISTING WORK
	DOMESTIC HOT WATER RECIRCULATION	=====	NEW WORK
	SANITARY ABOVE FLOOR		
	SANITARY BELOW FLOOR		
	VENT		
COMPONENTS AND SPECIALTIES		REFERENCE SYMBOLS	
SYMBOL	DESCRIPTION	DESIGNATION	DESCRIPTION
	CLEAN OUT (WALL/PIPE)	XX	FLOOR PLAN NUMBER
	CLEAN OUT (FLOOR)	X	PARTIAL FLOOR PLAN NUMBER
	COLD WATER INTERIOR HOSE BIBB	X	ELEVATION = LETTER
	FLOOR DRAIN	X	DETAIL = NUMBER
	FLOOR DRAIN WITH TRAP PRIMING LINE		
	SHOCK ARRESTER		
			SHEET NUMBER ON WHICH THE PARTIAL PLAN, ELEVATION OR DETAIL IS DRAWN
			SHEET NUMBER WHERE PARTIAL PLAN, ELEVATION OR DETAIL IS TAKEN FROM
EQUIPMENT DESIGNATIONS		NORTH ARROW	
DESIGNATION	DESCRIPTION		
FD-X	FLOOR DRAIN DESIGNATION		POINT OF CONNECTION TO EXISTING
P-X	PLUMBING FIXTURE DESIGNATION		POINT OF DISCONNECTION
PIPING SYMBOLS			
SYMBOL	DESCRIPTION		
	PIPE DROP		
	PIPE RISE		
	PIPE CAP		
	BRANCH TAKE OFF		
	PIPE DROP TEE		
	PIPE RISE TEE		
	SHUTOFF VALVE		

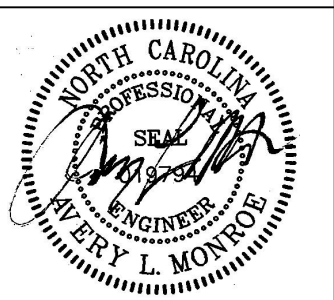
LINE ITEM SYMBOLS		COMPRESSED AIR		FOT		FUEL OIL TRANSFER		OED		OPEN ENDED DUCT	
AAV	AUTOMATIC AIR VENT	FOV	FUEL OIL VENT	OS&Y	OUTSIDE STEM AND YOKE						
ACV	AUTOMATIC CONTROL VALVE	FPM	FEET PER MINUTE	P&ID	PROCESS AND INSTRUMENTATION DIAGRAM						
AD	ACCESS DOOR, AREA DRAIN	FPS	FEET PER SECOND	PA	PLANT AIR						
AF	ANTIFREEZE	FS	FLOW SWITCH	PC	PUMPED CONDENSATE						
AFF	ABOVE FINISHED FLOOR	FT	FOOT, FEET	PCR	PUMPED CONDENSATE RECIRCULATION						
AR	ARGON GAS	FWR	FEED WATER RETURN	PCHRN	PRIMARY CHILLED WATER RETURN						
ATC	AUTOMATIC TEMPERATURE CONTROL	FWS	FEED WATER SUPPLY	PCHS	PRIMARY CHILLED WATER SUPPLY						
				PCWR	PROCESS COOLING WATER RETURN						
				PCWS	PROCESS COOLING WATER SUPPLY						
				PD	PRESSURE DROP, PUMP DISCHARGE						
				PGR	PROCESS GLYCOL WATER RETURN						
				PGS	PROCESS GLYCOL WATER SUPPLY						
				PH	PHASE						
				PHR	PRIMARY HEATING RETURN						
				PHS	PRIMARY HEATING SUPPLY						
				PIV	POST INDICATING VALVE						
				PPH	POUNDS PER HOUR						
				PRV	PRESSURE REDUCING VALVE						
				PSI	POUNDS PER SQUARE INCH						
				PSIG	POUNDS PER SQUARE INCH GAUGE						
				RA	RETURN AIR, RELIEF AIR						
				RD	REFRIGERANT DISCHARGE						
				RH	RELATIVE HUMIDITY						
				RHR	REHEAT WATER RETURN						
				RHS	REHEAT WATER SUPPLY						
				RL	REFRIGERANT LIQUID						
				ROR	REVERSE OSMOSIS WATER RETURN						
				ROS	REVERSE OSMOSIS WATER SUPPLY						
				RPM	REVOLUTIONS PER MINUTE						
				RS	REFRIGERANT SUCTION						
				RV	RELIEF VENT, REFRIGERANT VENT						
				RX	REMOVE EXISTING						
				SA	SUPPLY AIR						
				SAN	SANITARY, SOIL, WASTE						
				SCHRN	SECONDARY CHILLED WATER RETURN						
				SCHS	SECONDARY CHILLED WATER SUPPLY						
				SD	STORM DRAIN, SMOKE DETECTOR						
				SF	SQUARE FOOT						
				SHR	SECONDARY HEATING WATER RETURN						
				SHS	SECONDARY HEATING WATER SUPPLY						
				SL	SOUND LINING						
				SP	STATIC PRESSURE						
				SPR	SPRINKLER LINE						
				SS	STAINLESS STEEL						
				SQ FT	SQUARE FOOT						
				SW	SOFT WATER						
				ΔT	TEMPERATURE DIFFERENCE						
				TS	TAMPER SWITCH						
				TSP	TOTAL STATIC PRESSURE						
				TWR	TEMPERED WATER RETURN						
				TWS	TEMPERED WATER SUPPLY						
				TW	TREATED WATER						
				TYP	TYPICAL						
				UCD	UNDERCUT DOOR						
				UL	UNDERWRITERS LABORATORIES						
				V	VACUUM, VOLTS						
				VD	VOLUME DAMPER						
				VFD	VARIABLE FREQUENCY DRIVE						
				VPD	VACUUM PUMP DISCHARGE						
				VSD	VARIABLE SPEED DRIVE						
				VTR	VENT THROUGH ROOF						
				W	WATTS, WIDE						
				WB	WET BULB						
				WC	WATER COLUMN						
				WG	WATER GAUGE						
				WH	WALL HYDRANT						
				WWF	WELDED WIRE FABRIC						
				WWM	WELDED WIRE MESH						





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07/31/23

Fayetteville Regional Airport Airline Terminal Improvements – Part 3  
SECOND FLOOR OVERALL PLAN  
400 Airport Road  
Fayetteville, North Carolina 28306

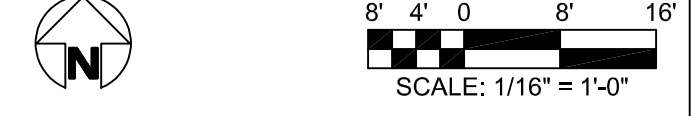
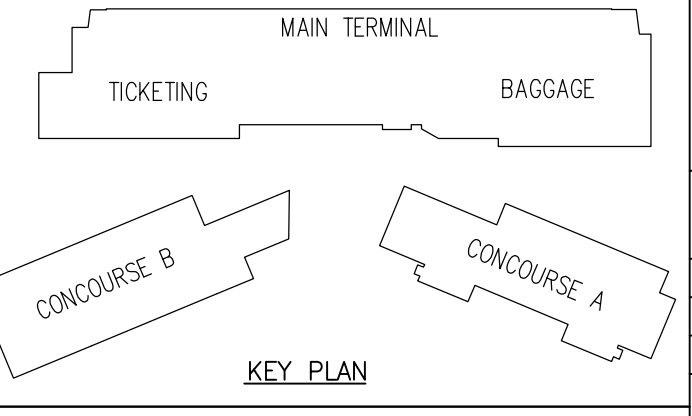
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PROJECT NO.: 02230515.A0  
NOTES:

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SHEET NUMBER

P1.20

FIRE RATED WALL LEGEND  
- - - - - 1 HOUR FIRE PARTITION  
- - - - - 1 HOUR FIRE BARRIER





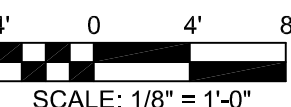
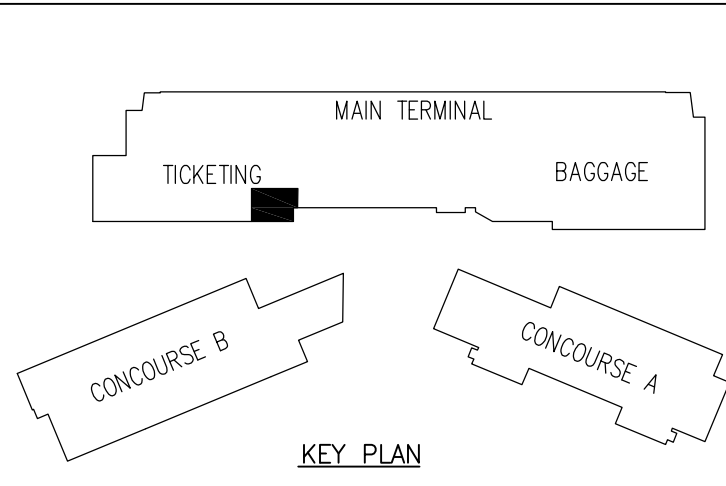
GENERAL NOTES:

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- B. WHEN WORKING IN AND AROUND THE EXISTING BUILDING, EXTREME CARE SHALL BE EXERCISED WITH REGARD TO PROTECTION OF THE EXISTING STRUCTURE, FIRE PROTECTION, PLUMBING, MECHANICAL AND ELECTRICAL SERVICES WHICH WILL REMAIN. REPAIR, REPLACE, OR RESTORE TO THE SATISFACTION OF THE OWNER ALL EXISTING WORK DAMAGED IN THE PERFORMANCE OF DEMOLITION AND/OR NEW WORK.
- C. ALL EXISTING FIXTURES, PIPING, AND MATERIALS NOT REQUIRED FOR RE-USE OR RE-INSTALLATION (SHOWN OR OTHERWISE) SHALL BE REMOVED. ALL EXISTING MATERIALS AND EQUIPMENT WHICH ARE REMOVED AND ARE DESIRED BY THE OWNER, OR ARE INDICATED TO THE PREMISES BY THE CONTRACTOR WHERE DIRECTED BY THE ENGINEER. ALL OTHER MATERIALS AND EQUIPMENT WHICH ARE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED BY THE CONTRACTOR FROM THE PREMISES.
- D. EXISTING CONDITIONS, I.E., PRESENCE AND LOCATION OF FIXTURES, PIPING, EQUIPMENT, AND MATERIALS, INDICATED ARE BASED ON INFORMATION OBTAINED FROM AVAILABLE RECORD DRAWINGS AND FIELD SURVEYS AND ARE NOT WARRANTED TO BE COMPLETE OR CORRECT. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF ALL CONDUITS, EQUIPMENT, AND MATERIALS IN THE FIELD PRIOR TO STARTING ALL WORK.
- E. EXISTING PIPE SIZES NOTED ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY AND ARE NOT WARRANTED TO BE CORRECT. CONTRACTOR SHALL VERIFY ALL SIZES IN THE FIELD IF THEY EFFECT HIS WORK.
- F. WHEN EXISTING PLUMBING WORK IS REMOVED, ALL PIPING AND MATERIALS SHALL BE REMOVED TO A POINT BELOW THE FINISHED FLOORS OR BEHIND FINISHED WALLS AND CAPPED. SUCH POINTS SHALL BE FAR ENOUGH BEHIND FINISHED SURFACES TO ALLOW FOR THE INSTALLATION OF THE NORMAL THICKNESS OF FINISHED MATERIAL.
- G. EXISTING FIXTURES & PIPING NO LONGER REQUIRED TO REMAIN IN SERVICE (SHOWN OR OTHERWISE) SHALL BE DISCONNECTED AND REMOVED BACK THE MAIN UNLESS OTHERWISE INDICATED OR NOTED ON THE PLANS. REMOVE EXISTING PIPE HANGERS, SUPPORTS, ETC..
- H. EXISTING MECHANICAL AND ELECTRICAL EQUIPMENT, CONDUIT, WIRING, DEVICES, AND MATERIALS AFFECTED BY DEMOLITION OR NEW WORK INSTALLATION AND REQUIRED TO REMAIN IN SERVICE SHALL BE REINSTALLED OR SUPPORTED AS REQUIRED IN ACCORDANCE WITH NEW WORK SPECIFICATION. ALL WORK SHALL BE COMPLETED TO THE SATISFACTION OF THE ENGINEER AND AT NO ADDITIONAL CONTRACT COST.
- I. PATCH TO MATCH EXISTING ALL NEW AND EXISTING OPENING AND WALLS, CEILINGS, ROOF, AND FLOOR SURFACES DAMAGED OR CREATED BY DEMOLITION WORK. PATCHING WHERE POSSIBLE SHALL MATCH EXISTING ADJACENT SURFACES AS TO THICKNESS, TEXTURES, MATERIALS, AND COLOR. ALL PATCHING SHALL BE PERFORMED TO THE SATISFACTION OF THE ARCHITECT AND AT NO ADDITIONAL CONTRACT COST.
- J. IN GENERAL ALL EQUIPMENT AND MATERIALS SHOWN "LIGHT" IS EXISTING TO REMAIN. ALL EQUIPMENT AND MATERIALS SHOWN "HEAVY AND HATCHED" IS EXISTING AND SHALL BE DEMOLISHED.
- K. ALL WASTE AND VENT PIPING SHOWN IN VIEW P4.11/1 IS BELOW GRADE.
- L. EXISTING STORM PIPING IS SHOWN FOR COORDINATION.

DRAWING NOTES:

- ① WATER CLOSET IS EXISTING TO REMAIN.
- ② LAVATORY IS EXISTING TO REMAIN.
- ③ EXTEND 2" WASTE PIPING UP AND PROVIDE WALL CLEANOUT.
- ④ CONNECT NEW 4" WASTE PIPING TO EXISTING 4" WASTE PIPING.
- ⑤ EXTEND 4" WASTE PIPING UP AND PROVIDE WALL CLEANOUT.
- ⑥ CONNECT NEW 2" VENT BRANCH PIPING TO EXISTING 2" VENT MAIN.
- ⑦ 1/2" BALANCING VALVE. SE TO 0.5 GPM.

FIRE RATED WALL LEGEND	
---	1 HOUR FIRE PARTITION
---	1 HOUR FIRE BARRIER



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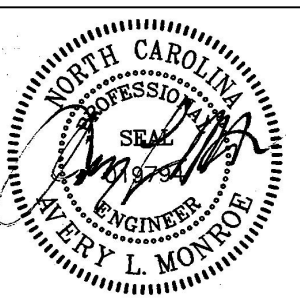
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P4.11



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07/31/23

Fayetteville Regional Airport Airline Terminal Improvements – Part 3  
FIRST FLOOR ENLARGED PLUMBING PLANS

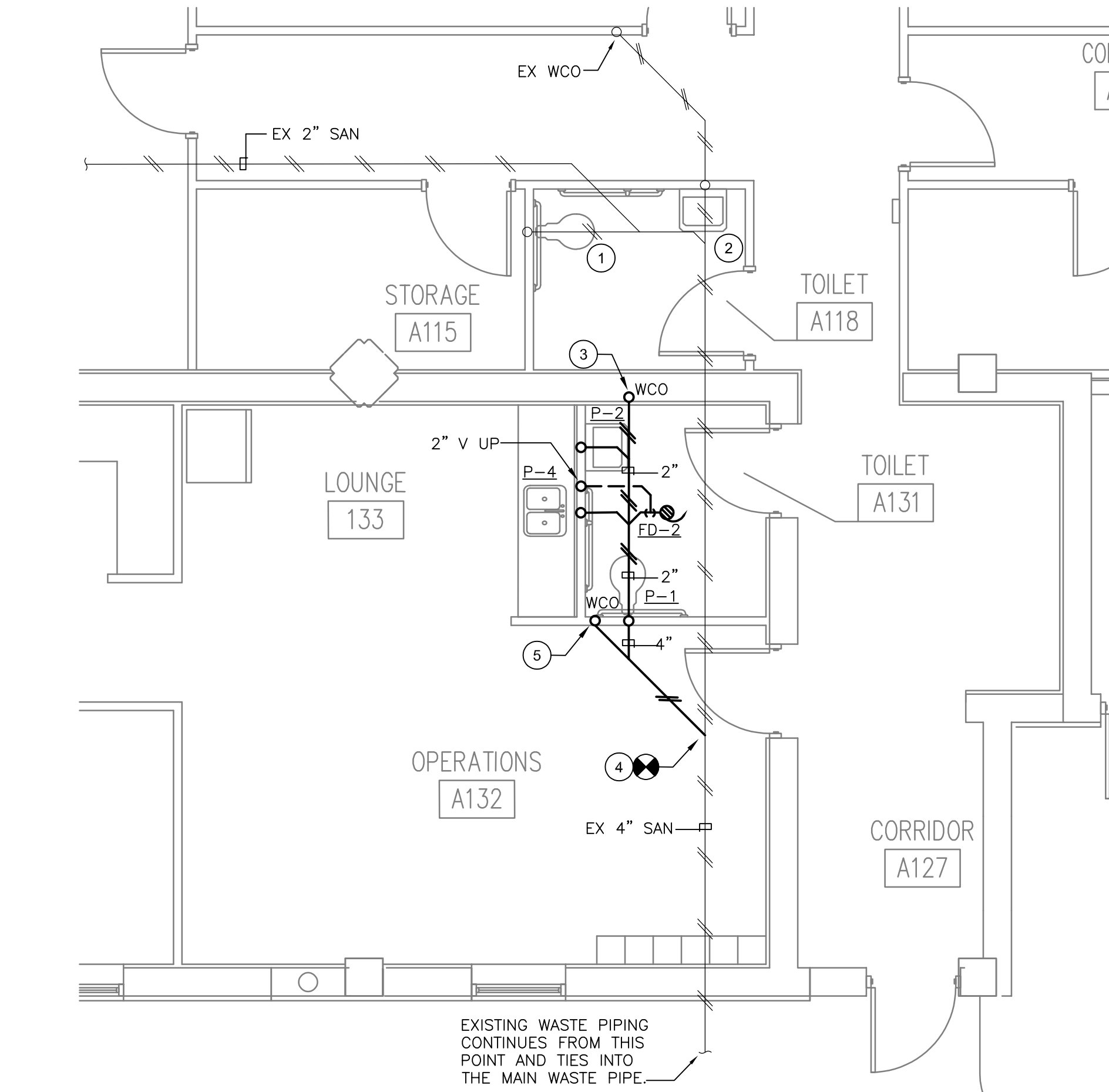
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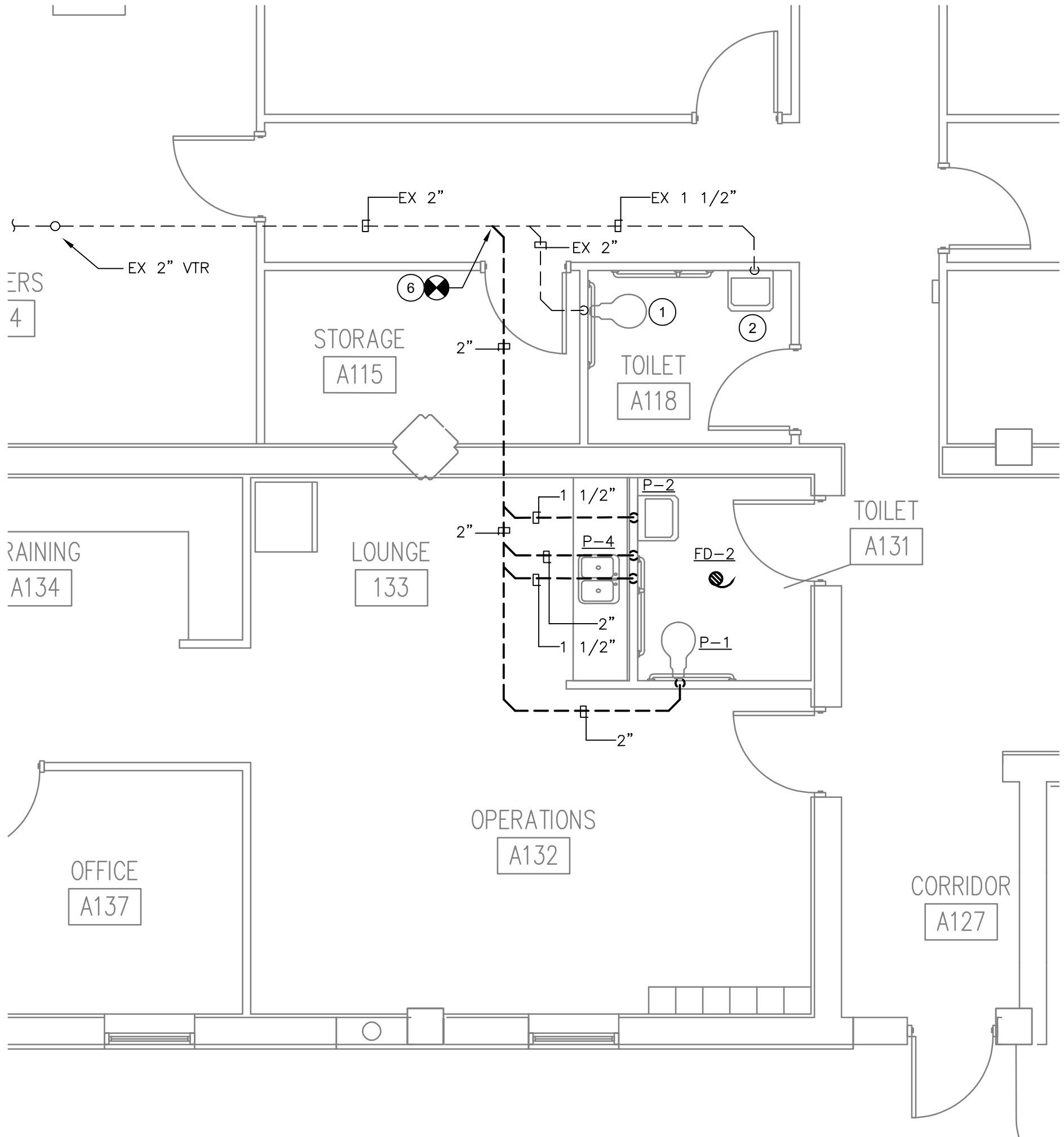
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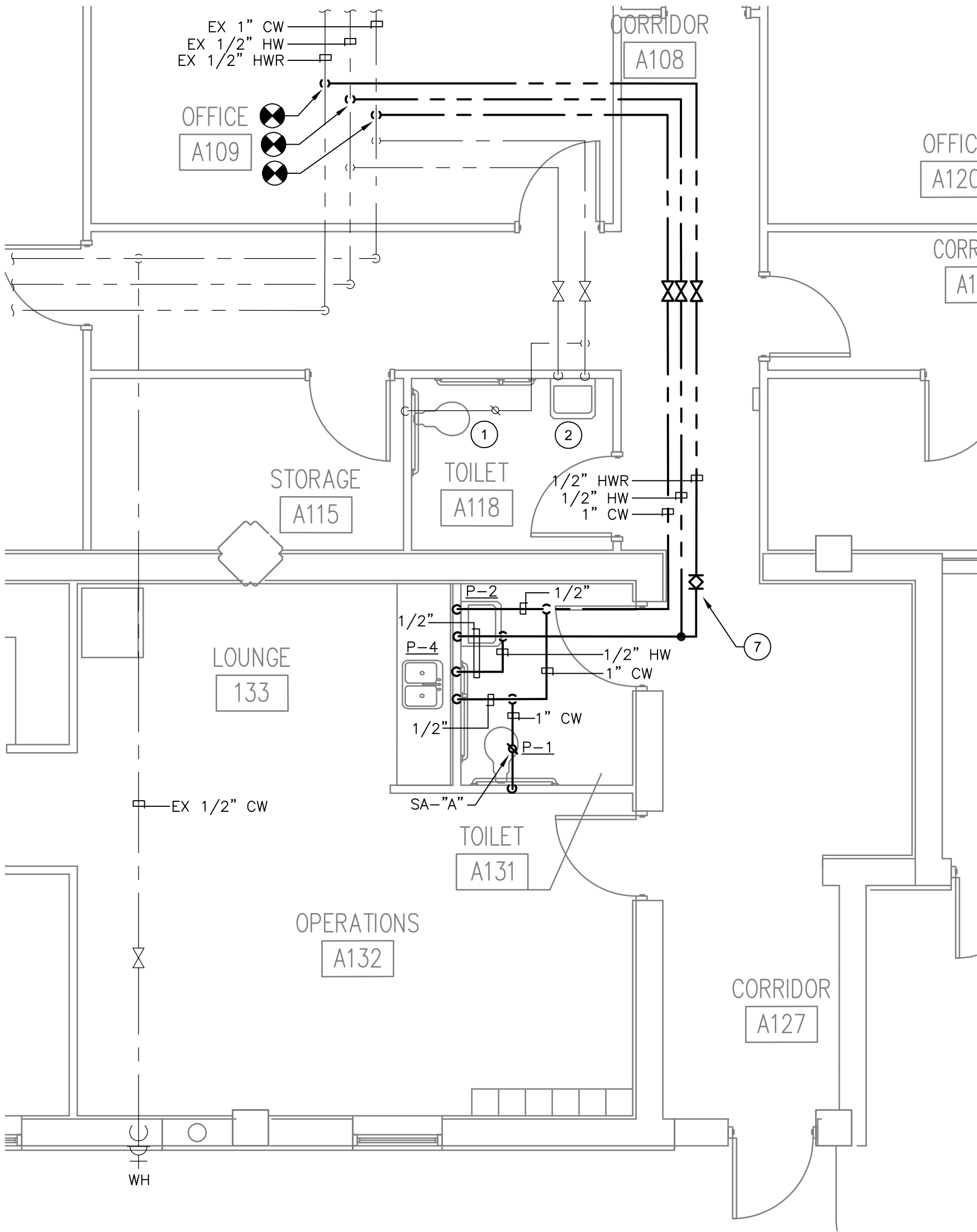
AIRLINE OFFICE NEW WORK PLAN - WASTE & VENT

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



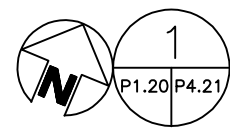
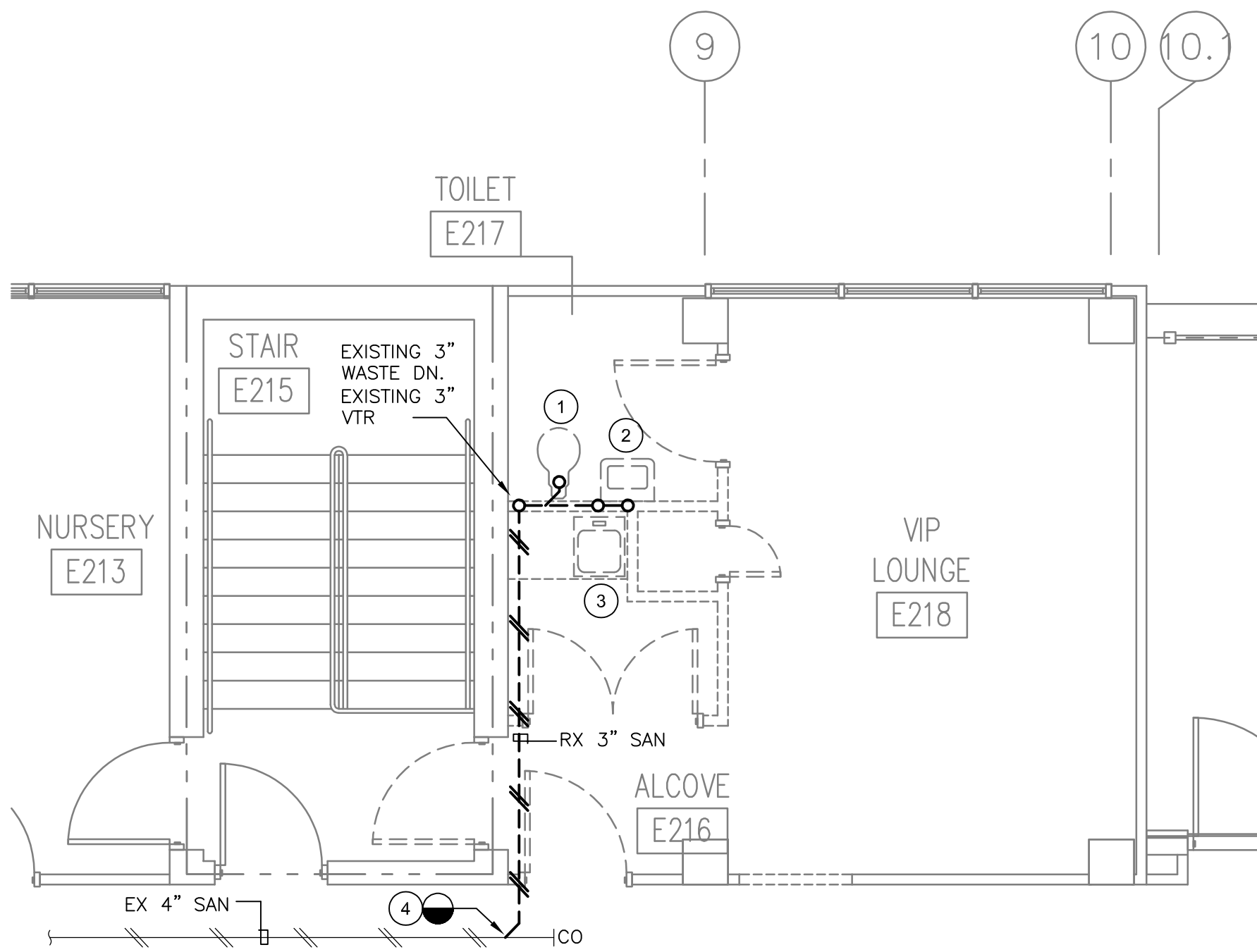
AIRLINE OFFICE NEW WORK PLAN - VENT

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



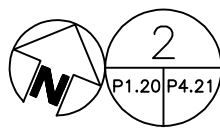
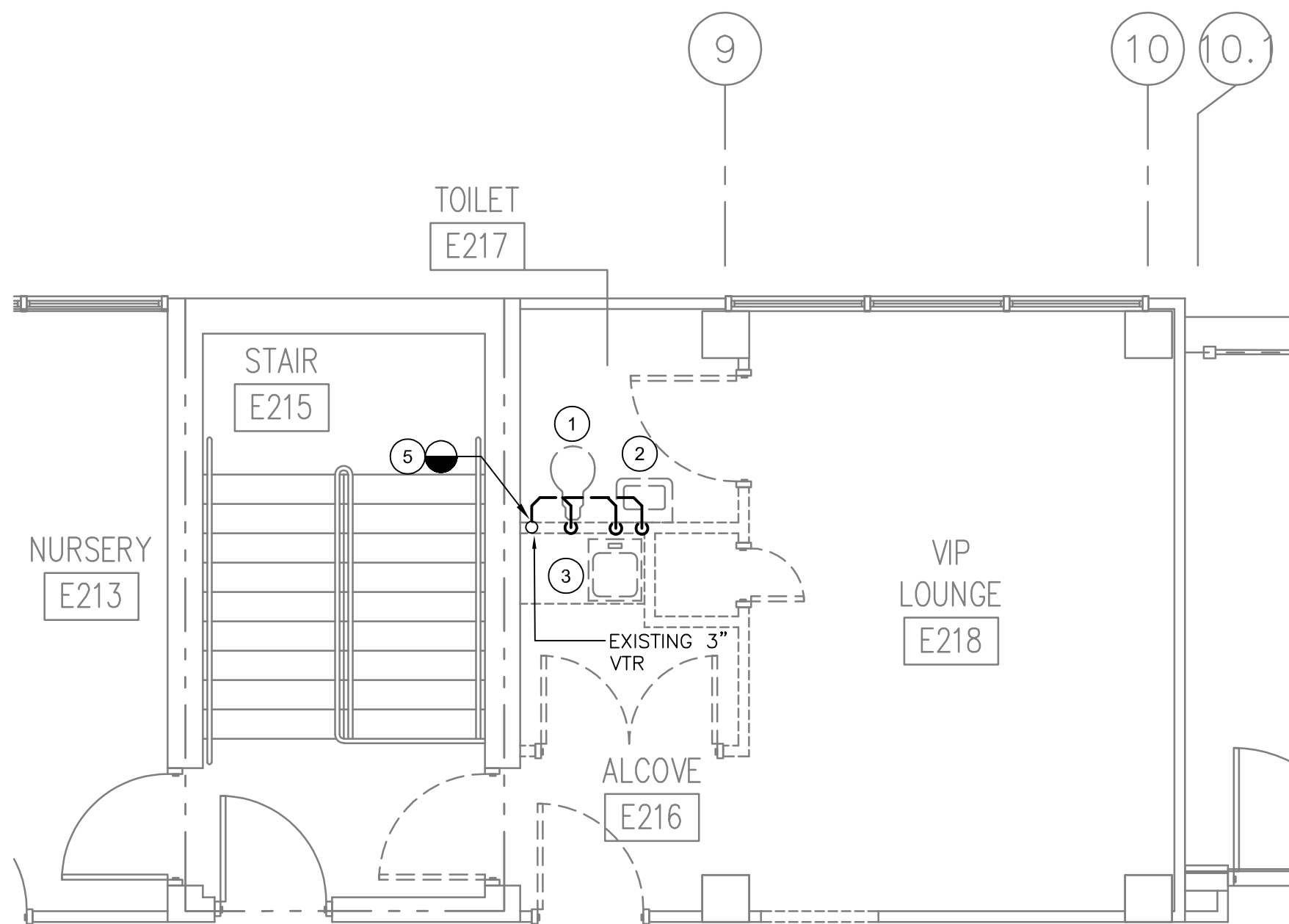
AIRLINE OFFICE NEW WORK PLAN - DOMESTIC WATER

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



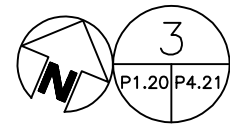
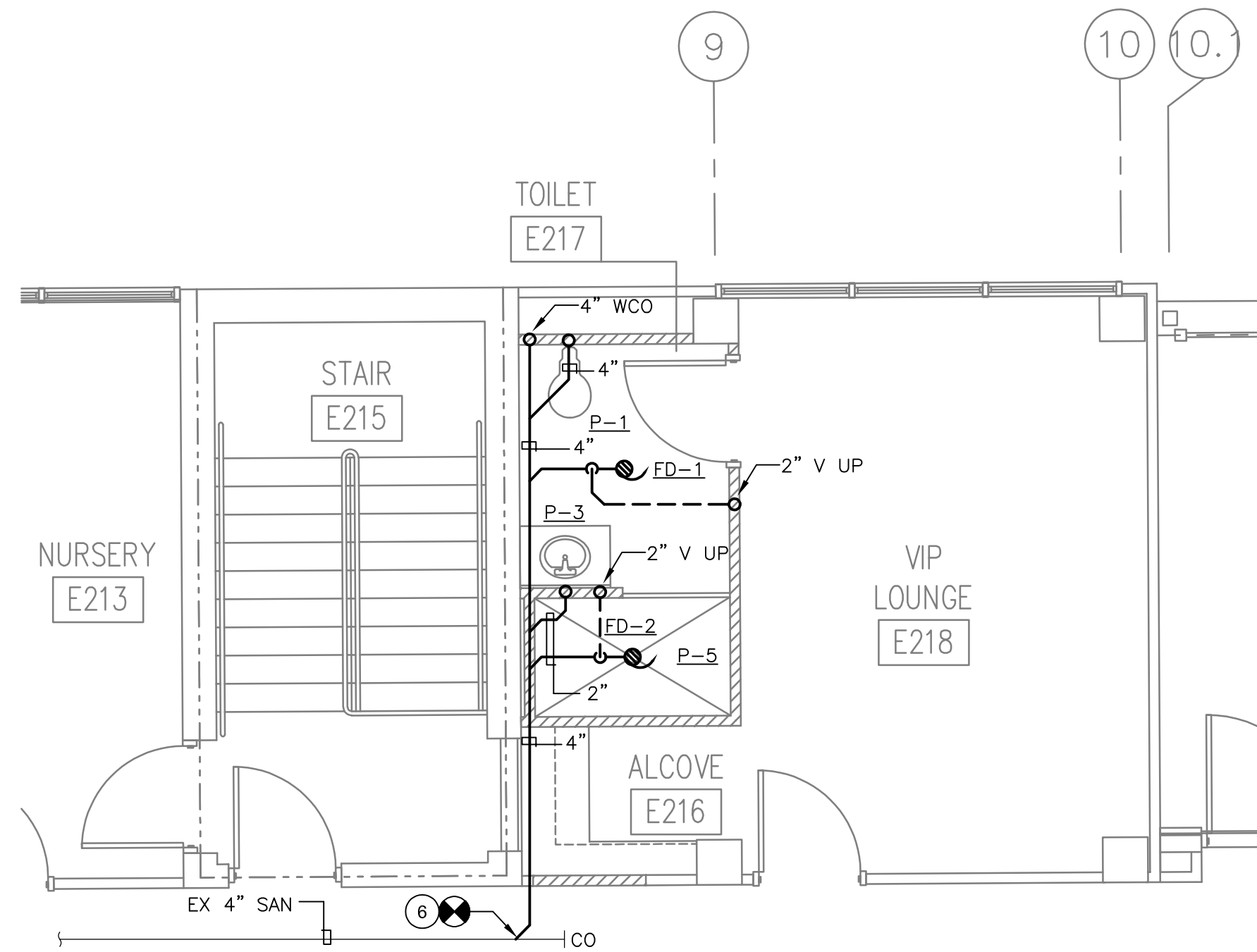
1 LOUNGE DEMOLITION PLAN - WASTE

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



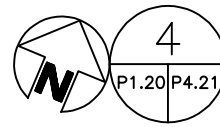
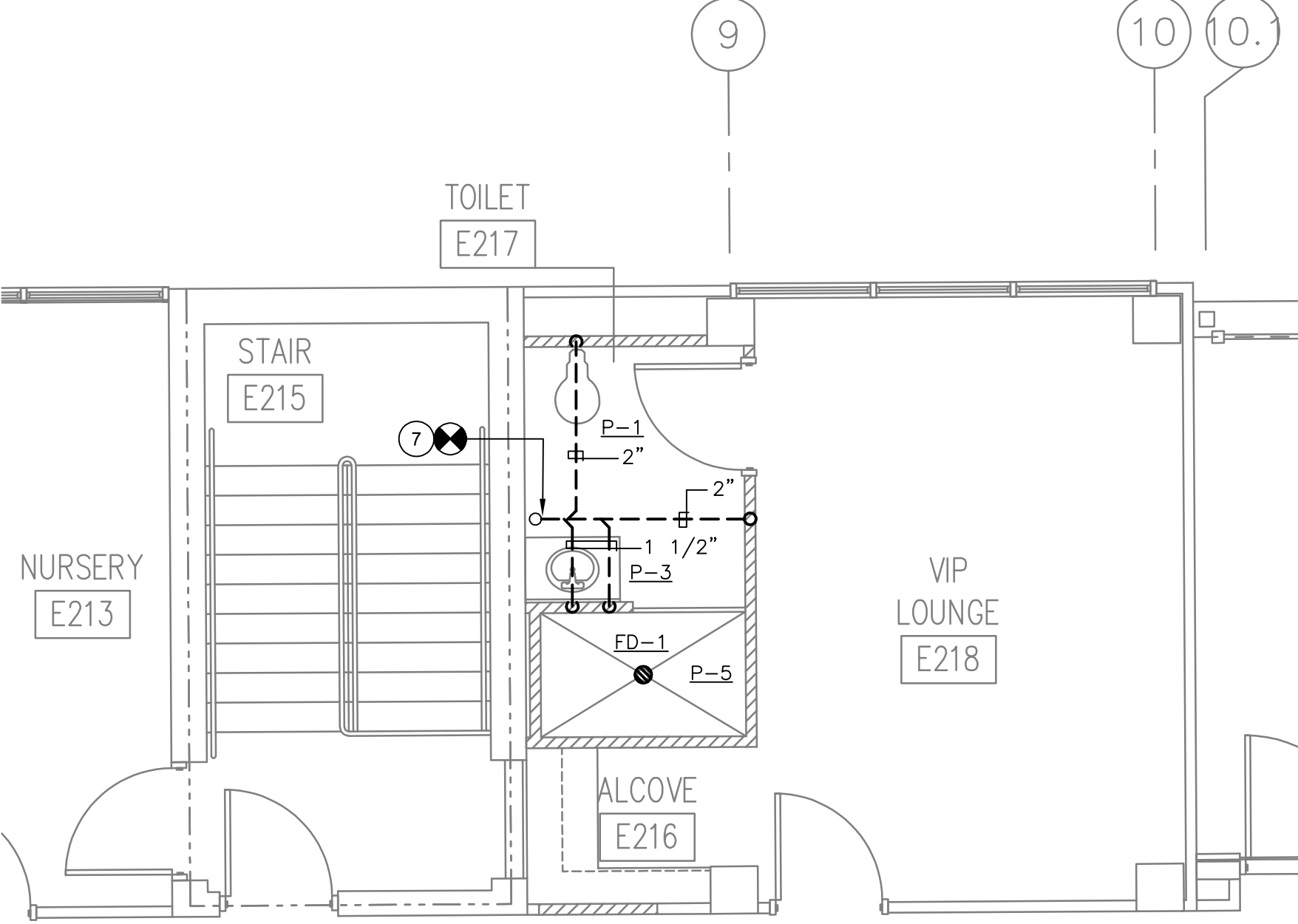
2 LOUNGE DEMOLITION PLAN - VENT

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



3 LOUNGE NEW WORK PLAN - WASTE

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



4 LOUNGE NEW WORK PLAN - VENT

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

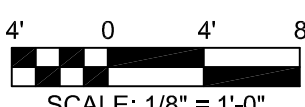
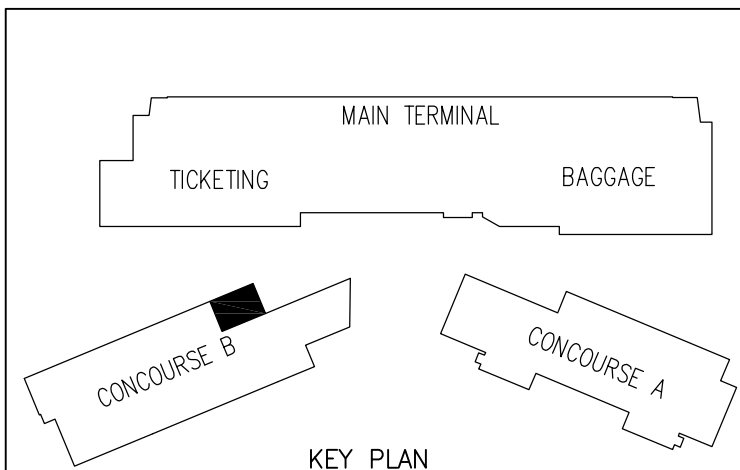
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- K. EXISTING AND NEW WASTE PIPING SHOWN IS LOCATED IN THE CEILING SPACE OF THE LEVEL BELOW.

DRAWING NOTES:

- ① REMOVE EXISTING WATER CLOSET AND ALL ASSOCIATED WASTE & VENT PIPING BACK TO THE POINT OF DISCONNECTION SHOWN.
- ② REMOVE EXISTING LAVATORY AND ALL ASSOCIATED WASTE & VENT PIPING BACK TO THE POINT OF DISCONNECTION SHOWN.
- ③ REMOVE EXISTING SINK AND ALL ASSOCIATED WASTE & VENT PIPING BACK TO THE POINT OF DISCONNECTION SHOWN.
- ④ REMOVE ALL EXISTING 3" WASTE PIPING BACK TO THE EXISTING 4" MAIN WASTE PIPE.
- ⑤ REMOVE ALL VENT PIPING BACK TO THE POINT OF DISCONNECTION SHOW. MAINTAIN EXISTING 3" VENT THROUGH ROOF FOR NEW VENT CONNECTION.
- ⑥ CONNECT NEW 4" WASTE PIPE TO EXISTING 4" WASTE PIPE.
- ⑦ CONNECT NEW 2" VENT PIPING TO THE EXISTING 3" VTR.
- ⑧ 2" VENT DOWN TO FLOOR DRAIN WASTE PIPING.
- ⑨ PROVIDE FLOOR DRAIN WITH WITH TRAP PRIMER. CONNECT TRAP PRIMER TO NEAREST FLUSH VALVE.

FIRE RATED WALL LEGEND	
---	1 HOUR FIRE PARTITION
---	1 HOUR FIRE BARRIER



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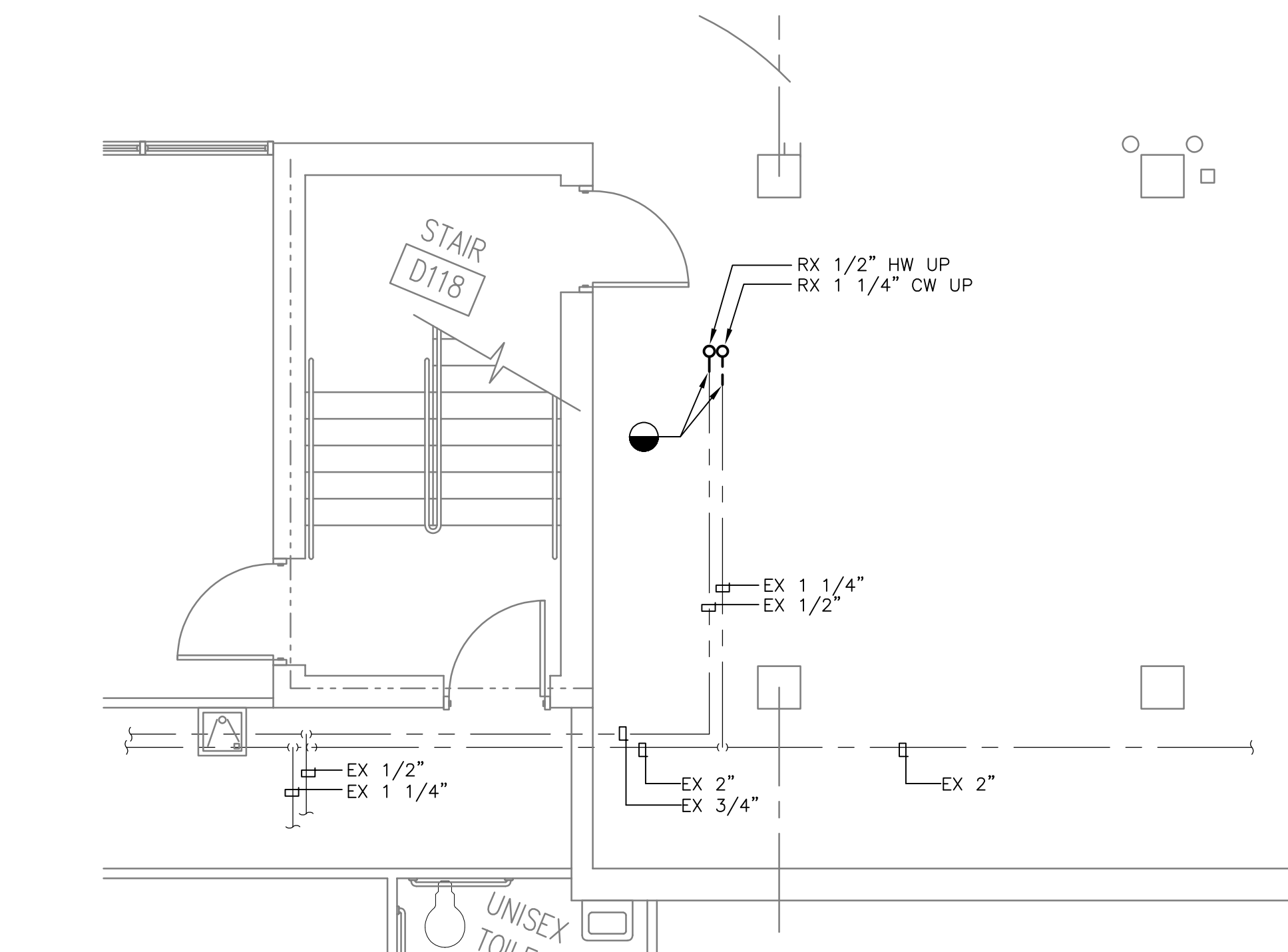
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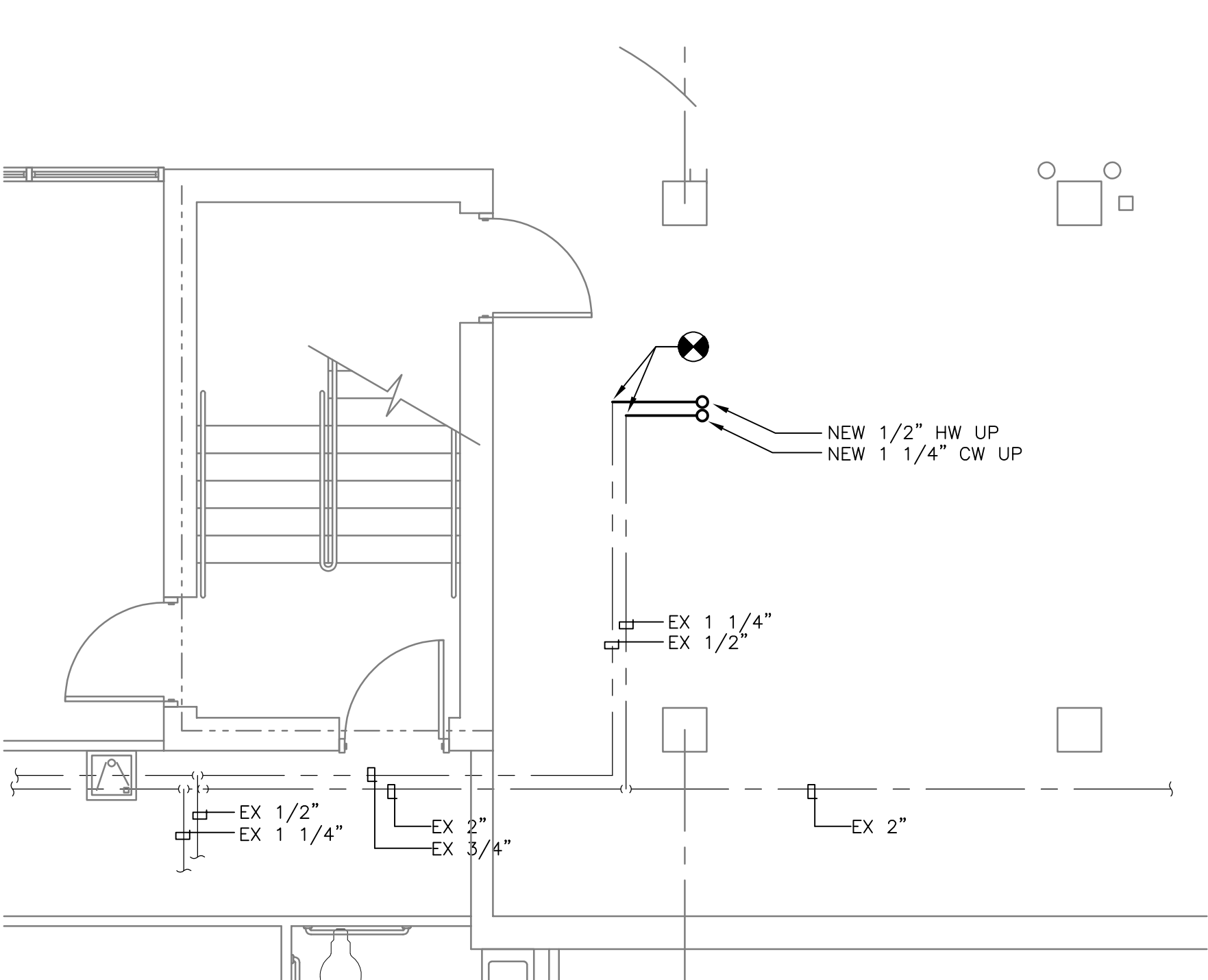
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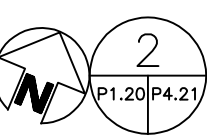
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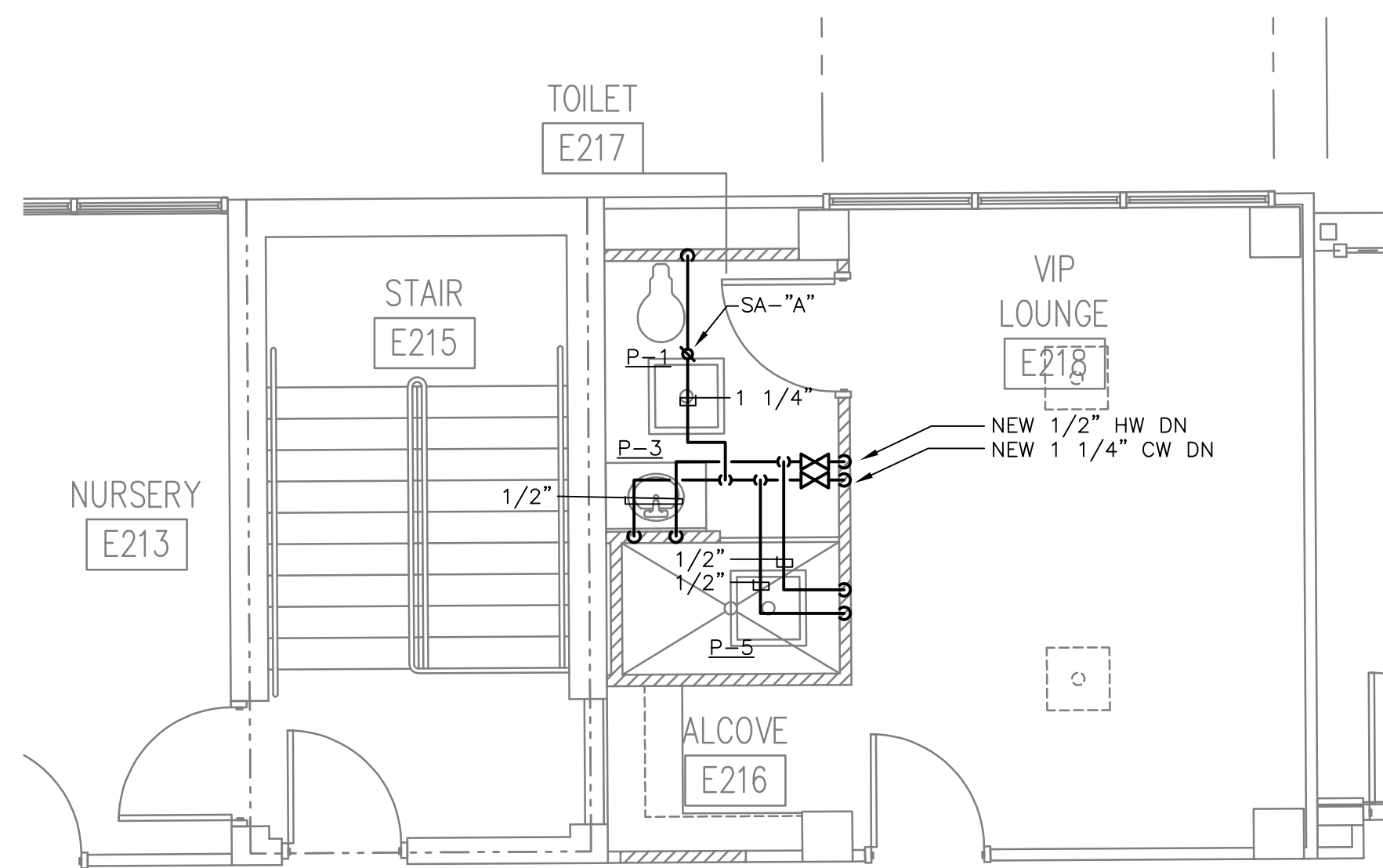
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ARCHITECT  
07/31/23



 **1 LOUNGE DEMOLITION PLAN - DOMESTIC WATER (FIRST FLOOR)**  
SCALE: 1/4" = 1'-0"



 **2 LOUNGE NEW WORK PLAN - DOMESTIC WATER (FIRST FLOOR)**  
SCALE: 1/4" = 1'-0"



 **3 LOUNGE NEW WORK PLAN - DOMESTIC WATER (SECOND FLOOR)**  
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

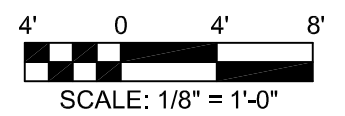
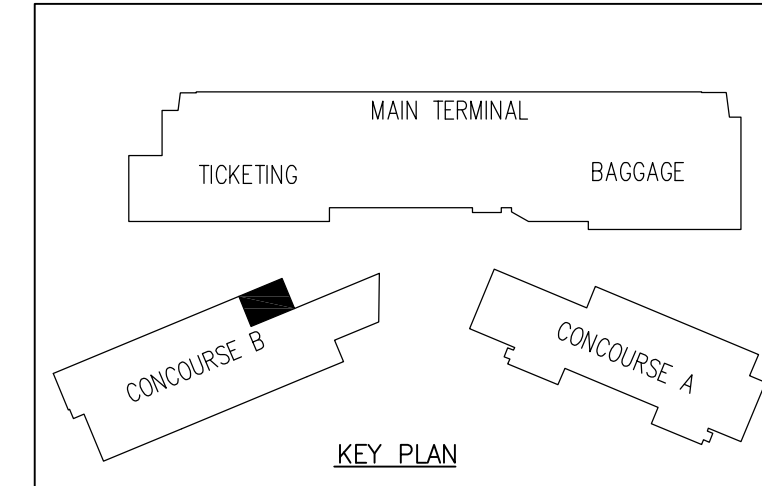
- A. NOTIFY THE OWNER, IN WRITING, AT LEAST SEVEN (7) DAYS IN ADVANCE OF ALL REQUIRED SHUTDOWNS OF PLUMBING SERVICES, OR OTHER UTILITIES. UPON WRITTEN RECEIPT OF APPROVAL FROM OWNER, SHUTDOWNS SHALL BE ACCOMPLISHED AT NO ADDITIONAL CONTRACT COST. AT THE END OF EACH SHUT DOWN ALL SERVICES SHALL BE RESTORED.
- B. WHEN WORKING IN AND AROUND THE EXISTING BUILDING, EXTREME CARE SHALL BE EXERCISED WITH REGARD TO PROTECTION OF THE EXISTING STRUCTURE, FIRE PROTECTION, PLUMBING, MECHANICAL AND ELECTRICAL SERVICES WHICH WILL REMAIN. REPAIR, REPLACE, OR RESTORE TO THE SATISFACTION OF THE OWNER ALL EXISTING WORK DAMAGED IN THE PERFORMANCE OF DEMOLITION AND/OR NEW WORK.
- C. ALL EXISTING FIXTURES, PIPING, AND MATERIALS NOT REQUIRED FOR RE-USE OR RE-INSTALLATION (SHOWN OR OTHERWISE) SHALL BE REMOVED. ALL EXISTING MATERIALS AND EQUIPMENT WHICH ARE REMOVED AND ARE DESIRED BY THE OWNER, OR ARE INDICATED TO THE PREMISES BY THE CONTRACTOR WHERE DIRECTED BY THE ENGINEER. ALL OTHER MATERIALS AND EQUIPMENT WHICH ARE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED BY THE CONTRACTOR FROM THE PREMISES.
- D. EXISTING CONDITIONS, I.E., PRESENCE AND LOCATION OF FIXTURES, PIPING, EQUIPMENT, AND MATERIALS, INDICATED ARE BASED ON INFORMATION OBTAINED FROM AVAILABLE RECORD DRAWINGS AND FIELD SURVEYS AND ARE NOT WARRANTED TO BE COMPLETE OR CORRECT. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF ALL CONDUITS, EQUIPMENT, AND MATERIALS IN THE FIELD PRIOR TO STARTING ALL WORK.
- E. EXISTING PIPE SIZES NOTED ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY AND ARE NOT WARRANTED TO BE CORRECT. CONTRACTOR SHALL VERIFY ALL SIZES IN THE FIELD IF THEY EFFECT HIS WORK.
- F. WHEN EXISTING PLUMBING WORK IS REMOVED, ALL PIPING AND MATERIALS SHALL BE REMOVED TO A POINT BELOW THE FINISHED FLOORS OR BEHIND FINISHED WALLS AND CAPPED. SUCH POINTS SHALL BE FAR ENOUGH BEHIND FINISHED SURFACES TO ALLOW FOR THE INSTALLATION OF THE NORMAL THICKNESS OF FINISHED MATERIAL.
- G. EXISTING FIXTURES & PIPING NO LONGER REQUIRED TO REMAIN IN SERVICE (SHOWN OR OTHERWISE) SHALL BE DISCONNECTED AND REMOVED BACK THE MAIN UNLESS OTHERWISE INDICATED OR NOTED ON THE PLANS. REMOVE EXISTING PIPE HANGERS, SUPPORTS, ETC..
- H. EXISTING MECHANICAL AND ELECTRICAL EQUIPMENT, CONDUIT, WIRING, DEVICES, AND MATERIALS AFFECTED BY DEMOLITION OR NEW WORK INSTALLATION AND REQUIRED TO REMAIN IN SERVICE SHALL BE REINSTALLED OR SUPPORTED AS REQUIRED IN ACCORDANCE WITH NEW WORK SPECIFICATION. ALL WORK SHALL BE COMPLETED TO THE SATISFACTION OF THE ENGINEER AND AT NO ADDITIONAL CONTRACT COST.
- I. PATCH TO MATCH EXISTING ALL NEW AND EXISTING OPENING AND WALLS, CEILINGS, ROOF, AND FLOOR SURFACES DAMAGED OR CREATED BY DEMOLITION WORK. PATCHING WHERE POSSIBLE SHALL MATCH EXISTING ADJACENT SURFACES AS TO THICKNESS, TEXTURES, MATERIALS, AND COLOR. ALL PATCHING SHALL BE PERFORMED TO THE SATISFACTION OF THE ARCHITECT AND AT NO ADDITIONAL CONTRACT COST.
- J. IN GENERAL ALL EQUIPMENT AND MATERIALS SHOWN "LIGHT" IS EXISTING TO REMAIN. ALL EQUIPMENT AND MATERIALS SHOWN "HEAVY AND HATCHED" IS EXISTING AND SHALL BE DEMOLISHED.

DRAWING NOTES:

- ① REMOVE EXISTING DOMESTIC WATER PIPING FROM THE EXISTING FIXTURE ABOVE, BACK TO THE POINT OF DISCONNECTION SHOWN.
- ② CONNECT NEW DOMESTIC WATER PIPING AT THE POINT OF CONNECTION SHOWN AND ROUTE UP TO THE FLOOR ABOVE.

FIRE RATED WALL LEGEND

---	1 HOUR FIRE PARTITION
---	1 HOUR FIRE BARRIER



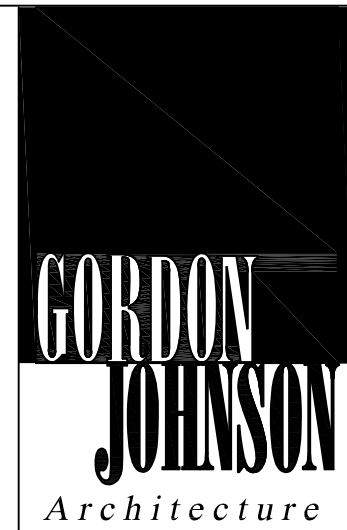
DRAWN BY: BMC  
REVIEWED BY: ALM  
DATE: 7/31/2023  
PROJECT NO.: 02230515.A0  
NOTES:

REVISIONS

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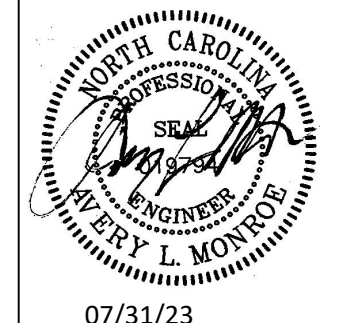
SHEET NUMBER

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Fayetteville Regional Airport Airline Terminal Improvements – Part 3  
CONCOURSE-B DOMESTIC WATER ENLARGED PLANS  
400 Airport Road  
Fayetteville, North Carolina 28306



