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O2 (O2) OXYGEN

∠ ST — ST — (ST) STORM

PD (PD) PUMP DISCHARGE

(STV) STORM VENT TP — (TP) TRAP PRIMER

VA ———— (VA) VACUUM

ISC TAGS AND SYMBOLS	VALV	ES AND ACCESSORIES	GENERAL NOTES	PLUMBING GENERAL NOTES
KEYED NOTE		GATE VALVE	THE WORK TO BE DONE UNDER THESE SPECIFICATIONS AND THE DRAWINGS CONSISTS OF PROVIDING ALL EQUIPMENT, MATERIALS, LABOR AND SERVICES AND PERFORMING ALL OPERATIONS TO COMPLETE THE	DRAWINGS INDICATE GENERAL LOCATION OF WORK INCLUDED. PLUMBING CONTRACTOR SHALL COORDINAL LOCATION OF WORK WITH ALL OTHER TRADES. COORDINATE THE FINAL LOCATION OF THE PLUMBING FIXT
DEMOLITION NOTE		OSY VALVE FLOW CONTROL VALVE	CONSTRUCTION WORK FOR THIS PROJECT. ANY WORK NOT SPECIFICALLY COVERED BY THESE SPECIFICATIONS OR INDICATED ON THE CONTRACT DRAWINGS, BUT NECESSARY TO COMPLETE OR PERFECT ANY PART OF THIS INSTALLATION IN A SUBSTANTIAL MANNER, SHALL BE PROVIDED WITHOUT EXTRA COST TO THE OWNER.	WITH THE ARCHITECTURAL DIMENSIONED DRAWINGS.  2. INSTALL ALL FIXTURES, AND EQUIPMENT IN CONFORMANCE WITH ARCHITECTURAL DRAWINGS, MANUFACTI
KITCHEN EQUIPMENT TAG		THERMOSTATIC MIXING VALVE	2. THE WORK SHALL CONFORM TO THE MORE STRINGENT OF ALL APPLICABLE CODES & REGULATIONS, UL [AND FM]	RECOMMENDATIONS AND AUTHORITY HAVING JURISDICTION. COORDINATE ALL ROUGH-IN INFORMATION W FIXTURE AND EQUIPMENT SUPPLIERS.
REVISION NUMBER X		SOLENOID VALVE  PRESSURE REDUCING VALVE	GUIDELINES, [LEED REQUIREMENTS], MANUFACTURER'S LITERATURE AND RECOMMENDATIONS, [BUILDING OPERATOR'S REQUIREMENTS], AND TO THE REQUIREMENTS OF FEDERAL, STATE AND LOCAL REGULATORY AGENCIES AND AUTHORITIES HAVING JURISDICTION.	3. PROVIDE HANDICAPPED FIXTURES IN CONFORMANCE WITH THE AMERICANS WITH DISABILITIES ACT(ADA). INSULATE ALL PIPING BELOW ADA FIXTURES. COORDINATE COLORS WITH ARCHITECT WHERE INDICATED.
DISTANCE TO FINISH FLOOR (FEET & INCHES) FROM BOTTOM OF PIPE	}	GAS COCK	3. THE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND INDICATE THE EXTENT, GENERAL CHARACTER, LOCATION AND	4. CONTRACTOR SHALL PROVIDE DOMESTIC WATER SERVICE RESTRAINTS AND THRUST BLOCKS AS REQUIRE
INDICATES CONNECT NEW TO EXISTING		BALANCING VALVE PRESSURE / TEMPERATURE RELIEF VALVE	ARRANGEMENT OF THE WORK UNDER THIS CONTRACT. [EXACT LOCATIONS OF ALL COMPONENTS ARE TO BE DETERMINED IN THE FIELD AND BY THE ACTUAL BUILDING CONDITIONS.] WHERE JOB CONDITIONS REQUIRE MINOR CHANGES OR ADJUSTMENTS IN THE INDICATED LOCATIONS OR ARRANGEMENT OF THE WORK, SUCH CHANGES	5. INSTALL ISOLATION VALVES ON ALL BRANCH PIPING UNLESS OTHERWISE NOTED. PROVIDE SHUT OFF VALV ALL FIXTURES AND EQUIPMENT.
INDICATES LIMIT OF REMOVAL	}————————————————————————————————————	BALL VALVE	SHALL BE PROVIDED WITHOUT EXTRA COST. THE CONTRACTOR SHALL RE-INSTALL EQUIPMENT THAT HAS INADEQUATE OR UNSAFE ACCESSIBILITY.	6. PROVIDE WATER HAMMER ARRESTERS ON DOMESTIC WATER PIPING IN CONFORMANCE WITH THE PLUMBII
COLD WATER RISER TAG			INSTALLATION OF WORK SHALL PROVIDE REASONABLE ACCESSIBILITY FOR OPERATION, INSPECTION AND     MAINTENANCE OF EQUIPMENT AND ACCESSORIES. PROVIDE CLEARANCES REQUIRED BY MANUFACTURERS AND	DRAINAGE INSTITUTE.  7. CONNECT ALL SERVICE BRANCHES TO TOP OF SERVICE MAINS WHERE POSSIBLE. PROVIDE DRAIN VALVES
DRAIN RISER TAG	}       	O UNION O DRAIN VALVE	APPLICABLE CODES. ALL CEILING MOUNTED EQUIPMENT SHALL BE INSTALLED IN SUCH A MANNER THAT LIGHTS, PIPING, AND DUCTWORK DO NOT BLOCK ACCESS TO EQUIPMENT AND RELATED ACCESSORIES.	LOW POINTS IN SERVICE PIPING SYSTEMS.
DRY STAND PIPE RISER TAG		FLANGED CONNECTION	5. THE TERM "FURNISH" SHALL MEAN TO OBTAIN AND SUPPLY TO THE JOB SITE. THE TERM "INSTALL" SHALL MEAN TO FIX IN POSITION AND CONNECT FOR USE. THE TERM "PROVIDE" SHALL MEAN TO FURNISH AND INSTALL. THE TERM	8. SLOPE ALL WASTE PIPING IN CONFORMANCE WITH APPLICABLE CODES AND THE AUTHORITY HAVING JURISDICTION.
HOT WATER RETURN RISER TAG	)	PRESSURE GAUGE	"MECHANICAL WORK", "ELECTRICAL WORK", "PLUMBING WORK", ETC. SHALL MEAN ALL LABOR, MATERIAL, EQUIPMENT, SCAFFOLDING, RIGGING, TOOLS, SUPERVISION, SERVICES AND OTHER INCIDENTALS NECESSARY FOR	9. PROVIDE THE REQUIRED FITTINGS AT EACH INDIRECT WASTE PIPE DISCHARGE TO ALLOW REMOVAL OF TH 12" OF INDIRECT WASTE PIPING IN ORDER TO GAIN ACCESS AND PERMIT REMOVAL OF THE SEDIMENT BASK
HOT WATER RISER TAG	of Open (	THEOGORE GAUGE	COMPLETE AND OPERABLE INSTALLATION.  6. THE CM/GC SHALL MAKE SETS OF THE BID DOCUMENTS CONSISTING OF COMPLETE SETS OF DRAWINGS AND	REQUIRED.  10. SUPPORT ALL PIPING IN CONFORMANCE WITH ANSI/MSS-58 AND 69 AND THE AUTHORITY HAVING JURISDICT
NATURAL GAS RISER TAG		PRESSURE GAUGE WITH COCK THERMOMETER	SPECIFICATIONS; AND ISSUE THEM TO EACH OF THE PRIME AND SUB-CONTRACTORS. EVERY PRIME AND SUB-CONTRACTOR ON EACH BIDDING TEAM SHALL RECEIVE COMPLETE SETS OF DRAWINGS AND	11. ALL PIPING PENETRATIONS THROUGH FIRE RATED WALLS SHALL BE PROTECTED WITH UL LISTED FIREPRO
RAIN WATER CONDUCTOR TAG	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	CLEAN OUT	SPECIFICATIONS. THERE ARE NOTES AND CROSS REFERENCES FOR VARIOUS TRADE CONTRACTORS IN MULTIPLE TRADE OR DISCIPLINE DRAWINGS AND SPECIFICATIONS, THUS, EACH CONTRACTOR IS TO RECEIVE COMPLETE SETS OF THE RID DOCUMENTS. IT IS THE CONTRACTOR'S DESPONSIBILITY TO OPTAIN THESE DRAWINGS FROM	SYSTEM TO MATCH THE RATING OF THE WALL OR FLOOR.
SANITARY STACK TAG		FLOOR OR GROUND CLEAN OUT STACK CLEAN OUT	SETS OF THE BID DOCUMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THESE DRAWINGS FROM CM/GC. EACH CONTRACTOR IS RESPONSIBLE FOR THEIR WORK, AS NOTED ON THE OTHER DISCIPLINE DOCUMENTS. BIDDERS ARE RESPONSIBLE FOR ALL COSTS FOR EACH SET OF BID DOCUMENTS REQUESTED.	12. DO NOT INSTALL PIPING IN DEDICATED ELECTRICAL SPACES OR ABOVE ANY ELECTRICAL EQUIPMENT, PAN AS NOTED IN THE NATIONAL ELECTRIC CODE.
SPRINKLER RISER TAG	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	LINE CLEAN OUT	7. CONTRACTOR IS RESPONSIBLE FOR PROVIDING A FULL COORDINATION EFFORT IN ORDER TO CREATE A FINALIZED	13. PRESSURE TEST AND STERILIZE THE ENTIRE DOMESTIC WATER PIPING SYSTEM FROM POINT OF NEW CONNECTION IN ACCORDANCE WITH THE APPLICABLE PLUMBING CODE.
VENT STACK TAG		CLEAN OUT @ GRADE  BACK WATER VALVE	COORDINATED LAYOUT OF ALL EQUIPMENT, SYSTEMS, DUCTWORK, PIPING AND ALL OTHER ITEMS WITHIN THEIR RESPECTIVE SCOPE. THE CONTRACTOR'S COORDINATION EFFORT SHALL INCLUDE COORDINATED INFORMATION FROM ALL OTHER TRADE CONTRACTOR'S INVOLVED IN THE PROJECT SCOPE IN ORDER TO PROVIDE	14. PRIOR TO OPENING NATURAL GAS PIPING SYSTEM, THE ENTIRE SECTION OF NATURAL GAS PIPING SYSTEM AFFECTED BY SCOPE SHALL BE ISOLATED AND PURGED IN ACCORDANCE WITH THE APPLICABLE FUEL GAS
WET STANDPIPE RISER TAG		BACK WATER VALVE (IN PIT)	COORDINATION BETWEEN TRADES AND ALL EXISTING CONDITIONS. ALL ERRORS MADE AS A RESULT OF A LACK OF COORDINATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND CORRECTED AT NO ADDITIONAL COST	UPON COMPLETION OF NATURAL GAS PIPING SYSTEM SCOPE WORK, PLACE SYSTEM INTO OPERATION IN ACCORDANCE WITH THE APPLICABLE FUEL GAS CODE.
EQUIPMENT TAG		CAPPED PIPE WASTE AND TRAP	TO THE PROJECT. MINOR RELOCATIONS AND SHIFTS OF EQUIPMENT, DUCTWORK, AND PIPING WHICH DO NOT CHANGE THE DESIGN INTENT INDICATED ON THE CONTRACT DOCUMENTS, REQUIRED TO ACCOMMODATE FIELD CONDITIONS ARE AT THE CONTRACTORS DISCRETION AND DO NOT REQUIRE ENGINEER APPROVAL.	15. WHERE CONNECTING TO EXISTING PIPING SYSTEMS, INSPECT PIPING FOR DEFECTS. NOTIFY OWNERS REPRESENTATIVE IF EXISTING PIPING IS FOUND TO BE IN UNSATISFACTORY CONDITION TO DETERMINE IF
SECTION SYMBOL SECTION DESIGNATION	$\stackrel{\cdot}{\leftarrow}$	PIPE TURNING DOWN OR RISING	8. CONTRACTOR SHALL ARRANGE AND OBTAIN ALL PERMITS, INSPECTIONS AND APPROVALS, AND PAY ALL RELATED	REPLACEMENT IS NECESSARY.
DRAWING NUMBER LOCATION  DETAIL SYMBOL  DETAIL NUMBER	$ \leftarrow$ 0	PIPE RISING / OR RISING AND DROPPING  PIPE DROP OR RISING 45°	FEES.  9. THE DRAWINGS INDICATE APPROXIMATE LOCATIONS BASED UPON INFORMATION OBTAINED WITHOUT REMOVING	16. PLUMBING WORK SHALL BE DONE AT SUCH TIME AND IN SUCH MANNER THAT WILL LEAST INTERFERE WITH TENANTS, MAINTENANCE OPERATIONS AND OTHER BUILDING ACTIVITIES.
DETAIL NUMBER  DRAWING NUMBER LOCATION	 	PIPE DROP OR RISING 90°	CEILING TILES OR WALLS. THEREFORE, THE CONTRACTOR SHALL INCLUDE IN THEIR BID CONTINGENCY COSTS TO ADDRESS CONFLICTS BETWEEN DESIGN AND EXISTING CONDITIONS. ANY CHANGES AND/OR MODIFICATIONS	17. THE PLUMBING CONTRACTOR SHALL PROVIDE ALL ANCILLARY DEVICES NOT LIMITED TO BACKFLOW PREVE ISOLATION VALVES, UNIONS, PRESSURE REDUCING VALVES AND STRAINERS AT EACH PIECE OF KITCHEN
DIDE LOCATION NOTES	_ <del>}</del>	MASTER GAS VALVE  VALVE IN VERTICAL	MUST BE REVIEWED AND APPROVED BY THE ENGINEER AND/OR OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION.	EQUIPMENT AS REQUIRED BY THE KITCHEN DESIGN, APPLICABLE CODES AND STANDARDS, INCLUDING MANUFACTURER'S RECOMMENDED INSTALLATION REQUIREMENTS, IN ORDER TO PROVIDE A FULLY FUNCT AND OPERATING KITCHEN.
PIPE LOCATION NOTES	- 早	AQUASTAT (A)	10. FOR ANY DISCREPANCY BETWEEN DRAWINGS AND/OR SPECIFICATIONS, THE CONTRACTOR SHALL BASE THEIR BID UPON THE MOST STRINGENT REQUIREMENT (QUALITY, QUANTITY, SIZE, ETC.). THE CONTRACTOR SHALL IDENTIFY	
CONCEALED IN CEILING SPACE ABOVE	I I I I I I I I I I I I I I I I I I I	VACUUM BREAKER (VB) WATER HAMMER ARRESTOR (WHA)	DISCREPANCIES AS PART OF THEIR BID.  11. PRIOR TO DEMOLITION, THE CONTRACTOR SHALL LOG ALL EXISTING EQUIPMENT AND TRACE ELECTRICAL, FIRE	
EXPOSED IN STRUCTURE ABOVE	<b>₽</b>	WATER HAMMER ARRESTOR (WHA)  WATER HAMMER ARRESTOR	ALARM, AND CONTROL CIRCUITS THAT SERVE SUCH EQUIPMENT.	
CONCEALED IN CEILING SPACE.		W / ACCESS PANEL(WHAAP)	12. ALL SERVICES TO EXISTING BUILDINGS SHALL BE MAINTAINED DURING CONSTRUCTION UNLESS OTHERWISE INDICATED. CONTRACTOR SHALL COORDINATE ALL SYSTEM SHUT DOWNS AND TIMING WITH OWNER.	
BELOW FLOOR  EXPOSED ON STRUCTURE, FLOOR BELOW	■ FS	KITCHEN FLOOR SINK (FS) AREA FLOOR DRAIN (AD)	13. THE CONTRACTOR SHALL EFFECTIVELY PROTECT ALL MATERIALS AND EQUIPMENT FROM ENVIRONMENTAL AND PHYSICAL DAMAGE UNTIL FINAL ACCEPTANCE. CLOSE AND PROTECT ALL OPENINGS DURING CONSTRUCTION. PROVIDE NEW MATERIALS AND EQUIPMENT TO REPLACE ITEMS DAMAGED.	
BELOW GRADE		FLOOR DRAIN (FD) GARAGE FLOOR DRAIN (GD)	14. EXISTING EQUIPMENT THAT INTERFERES WITH NEW ARRANGEMENT SHALL BE REMOVED, REINSTALLED, RELOCATED, REROUTED, EXTENDED OR ABANDONED AS REQUIRED, TO SUIT THE NEW ARRANGEMENT.	
RACK ON WALL, BELOW COUNTER TOP	>+ o+ >+ o+	HOSE BIB (HB) OPEN / CLOSED WALL HYDRANT (WH) OPEN / CLOSED	15. WHERE BEAMS ARE INDICATED TO BE PENETRATED WITH DUCTWORK AND/OR PIPING, CAREFULLY COORDINATE SIZES AND LOCATIONS OF THE ELEMENTS BEFORE FABRICATION. COORDINATE WITH FINAL LOCATION OF BEAM PENETRATIONS AND SHEAR WALL PENETRATIONS.	
	(O)	ROOF / OVERFLOW DRAIN ROOF / OVERFLOW DRAIN ABOVE	16. CONTRACTOR SHALL COORDINATE LOCATION OF ALL WALL, FLOOR AND ROOF OPENINGS WITH STRUCTURAL AND	
ABOVE FLOOR		TRENCH DRAIN DOUBLE CHECK	OTHER TRADES.  17. PROVIDE CUTTING AND PATCHING AS REQUIRED AND WHERE NECESSARY TO ACCOMMODATE NEW WORK AND THE	
RUN THROUGH OR BETWEEN BAR JOIST		DOUBLE CHECK  DETECTOR ASSEMBLY (DCDA) DOUBLE CHECK VALVE ASSEMBLY (DCVA)	REPAIR OF EXISTING WORK.  18. WHEN WORK INVOLVES CONTACT WITH MATERIALS CONTAINING ASBESTOS, PCB, OR OTHER TOXIC MATERIALS,	
CONCEALED BELOW RAISED FLOOR	1617761	REDUCED PRESSURE BACKFLOW PREVENTER (RPBP)	NOTIFY OWNER, WHO WILL ESTABLISH PROCEDURES FOR REMEDIATION AND REMOVAL.  19. CONTRACTOR SHALL SCHEDULE THE WORK UNDER THIS CONTRACT WITH WORK OF OTHER TRADES AS NOT TO	
	16/17/61	REDUCED PRESSURE DETECTOR ASSEMBLY (RPDA)	DELAY THE OVERALL PROGRESS OF THE PROJECT.	
		PUMP	20. CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER OF ANY CONFLICTS PRIOR TO PURCHASING EQUIPMENT AND PRIOR TO CUTTING OPENINGS.	
	PLUM	MBING PIPING LEGEND	21. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS PER SPECIFICATIONS PRIOR TO PURCHASING OR INSTALLING EQUIPMENT AND SYSTEMS INDICATED ON CONTRACT DOCUMENTS. PRIOR TO SUBMITTAL, CONTRACTOR SHALL VERIFY THAT ADEQUATE SPACE EXISTS FOR THE SUBMITTED EQUIPMENT. SHOP DRAWINGS MUST BE REVIEWED BY ARCHITECT/ENGINEER.	
		(140° HW) 140° HOT WATER	22. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS INCURRED BY OTHER TRADES DUE TO SUBSTITUTION OF OTHER THAN SCHEDULED EQUIPMENT. WHEN EQUIPMENT FURNISHED IS DIFFERENT THAN INDICATED, THE COST	
	AR	(AR) ARGON	OF ADDITIONAL ELECTRICAL SERVICE, STRUCTURAL AND RELATED WORK SHALL BE PAID BY THIS CONTRACTOR.  23. ALL WORK SHALL BE EXECUTED IN A NEAT AND WORKMANLIKE MANNER AND SHALL BE DONE IN ACCORDANCE	
	}	( (,, ) ,,	WITH GOOD TRADE PRACTICE AND IN CONFORMANCE WITH APPLICABLE MANUFACTURERS' RECOMMENDATIONS.  24. CONTRACTOR SHALL REMOVE ALL TRASH, DEBRIS AND DEMOLITION MATERIAL FROM PREMISES AT THE END OF	
	CW	( ( ) - )	EACH DAY.	
	} FM	—————————————————————————————————————	25. RESTORE ALL SURFACES (WALLS, CEILINGS, FLOORS AND ROOFS) THAT ARE DAMAGED BY THE WORK OF THIS CONTRACT TO THEIR ORIGINAL CONDITION AT NO EXTRA COST TO THE OWNER.	
	GD	(GD) GARAGE DRAIN	26. PRIOR TO EQUIPMENT STARTUP, CONTRACTOR SHALL PERFORM THE SPECIFIED STARTUP AND COMMISSIONING PROCEDURES.	
	H2 H2V	· · · · · · · · · · · · · · · · · · ·	27. IN THE ABSENCE OF OTHER SPECIFIC INSTRUCTIONS, ALL WORK AND MATERIALS SUPPLIED SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF THEIR ACCEPTANCE BY THE OWNER.	
	) HE	· · · · · · · · · · · · · · · · · · ·	28. BALA CONSULTING ENGINEERS, INC. (BALA) WILL PROVIDE CONTRACTOR WITH ELECTRONIC CADD FILES OF THE	
	1:	——————————————————————————————————————	ENGINEERING DESIGNS FOR THE SOLE USÉ IN EXPEDITING SHOP DRAWINGS. BALA'S FILES SHALL NOT BE DIRECTLY COPIED AND ISSUED AS SHOP DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FIELD COORDINATION, DIMENSIONING AND ADHERENCE TO THE SHOP DRAWING REQUIREMENTS AS NOTED IN THE	
	}HWR·	——————————————————————————————————————	SPECIFICATIONS. SHOULD THE SHOP DRAWINGS SUBMITTED PROVE TO BE A DIRECT COPY OF OUR FILES WITHOUT THE NECESSARY FIELD COORDINATION, DIMENSIONING AND ADHERENCE TO THE SHOP DRAWING	
	iw	(IW) INDIRECT WASTE	REQUIREMENTS AS NOTED IN THE SPECIFICATIONS, THESE SHOP DRAWINGS WILL BE RETURNED AS REJECTED. BALA'S ELECTRONIC FILES ARE SAVED IN VERSION [REVIT, AUTOCAD] [2016, 2017, 2018] AND ARE COMPATIBLE WITH ALL VERSIONS AFTER THAT. BALA MAKES NO REPRESENTATION AS TO THE COMPATIBILITY OF THESE FILES WITH	
	} LA	———— (LA) LAB AIR - – – – (LV) LAB VENT	THE CONTRACTOR'S HARDWARE OR THEIR SOFTWARE.  DATA CONTAINED ON THESE ELECTRONIC FILES ARE PART OF BALA'S "INSTRUMENTS OF SERVICE" AND ARE	
	, LW	(LW) LAB WASTE	COPYRIGHTED. CONTRACTOR'S USE OF FILES IS FOR THE SOLE PURPOSE AS A CONVENIENCE IN THE PREPARATION OF DRAWINGS FOR THE REFERENCED PROJECT. ANY OTHER USE OR REUSE BY CONTRACTOR IS UNLAWFUL.	
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NG CONTRACTOR SHALL COORDINATE LOCATION OF THE PLUMBING FIXTURES ITECTURAL DRAWINGS, MANUFACTURERS

ATE ALL ROUGH-IN INFORMATION WITH CANS WITH DISABILITIES ACT(ADA).

H ARCHITECT WHERE INDICATED. S AND THRUST BLOCKS AS REQUIRED. SE NOTED. PROVIDE SHUT OFF VALVES TO

CONFORMANCE WITH THE PLUMBING AND

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HARGE TO ALLOW REMOVAL OF THE LAST T REMOVAL OF THE SEDIMENT BASKET AS

THE AUTHORITY HAVING JURISDICTION. OTECTED WITH UL LISTED FIREPROOFING

ANY ELECTRICAL EQUIPMENT, PANELS, ETC

SYSTEM FROM POINT OF NEW ON OF NATURAL GAS PIPING SYSTEM CE WITH THE APPLICABLE FUEL GAS CODE. ACE SYSTEM INTO OPERATION IN

THAT WILL LEAST INTERFERE WITH OTHER

NOT LIMITED TO BACKFLOW PREVENTERS, NERS AT EACH PIECE OF KITCHEN S AND STANDARDS, INCLUDING ORDER TO PROVIDE A FULLY FUNCTIONAL

DRAWING LIST - PLUMBING DRAWING NUMBER DRAWING TITLE P0-0-1 PLUMBING LEGENDS, ABBREVIATIONS, AND GENERAL NOTES O • • • • • • P1-0-0A PLUMBING FIRST FLOOR PLAN - AREA A BELOW SLAB 0 • • • • • • P1-0-0B PLUMBING FIRST FLOOR PLAN - AREA B BELOW SLAB 0 • • • • • • P1-0-0C PLUMBING LOWER LEVEL FLOOR PLAN - AREA C BELOW SLAB P1-0-0D PLUMBING LOWER LEVEL FLOOR PLAN - AREA D BELOW SLAB 0 • • • • • P1-1-0C PLUMBING LOWER LEVEL FLOOR PLAN - AREA C
P1-1-0D PLUMBING LOWER LEVEL FLOOR PLAN - AREA D O • • • • • • 0 • • • • • P1-1-1A PLUMBING FIRST FLOOR PLAN - AREA A 0 • • • • • P1-1-1AB PLUMBING FIRST FLOOR BELOW MEZZANINE PLAN - AREA A/B O • • P1-1-1B PLUMBING FIRST FLOOR PLAN - AREA B O • • • • • P1-1-1C PLUMBING FIRST FLOOR PLAN - AREA C • • • • • • P1-1-1D PLUMBING FIRST FLOOR PLAN - AREA D O • • P1-1-2A PLUMBING SECOND FLOOR PLAN - AREA A O • • P1-1-2B PLUMBING SECOND FLOOR PLAN - AREA B P1-1-2C PLUMBING SECOND FLOOR PLAN - AREA C O • • • • • P1-1-2D PLUMBING SECOND FLOOR PLAN - AREA D 0 • • • • P1-1-3A PLUMBING THIRD FLOOR PLAN - AREA A O • • • • • P1-1-3B PLUMBING THIRD FLOOR PLAN - AREA B O • • • • • P1-1-3C PLUMBING THIRD FLOOR PLAN - AREA C 0 • • • • • P1-1-3D PLUMBING THIRD FLOOR PLAN - AREA D O • • • • • P1-1-4A PLUMBING FOURTH FLOOR PLAN - AREA A O • • • • • P1-1-4B PLUMBING FOURTH FLOOR PLAN - AREA B
P1-1-4C PLUMBING FOURTH FLOOR PLAN - AREA C O • • O • • • • • P1-1-4D PLUMBING FOURTH FLOOR PLAN - AREA D O • • • • • P1-2-1A PLUMBING ROOF PLAN - AREA A
P1-2-1B PLUMBING ROOF PLAN - AREA B O • • • • • • O • • • • • P1-2-1C PLUMBING ROOF PLAN - AREA C 0 • • • • P1-2-1D PLUMBING ROOF PLAN - AREA D 0 • • • • P2-0-0A PLUMBING BELOW FLOOR ENLARGED PLANS 0 • • P2-1-1A PLUMBING FIRST FLOOR ENLARGED PLANS P3-0-1 PLUMBING DETAILS SHEET
P4-0-1 PLUMBING SCHEDULES SHEET
P5-0-1 PLUMBING RISER 0 • • • • 0 • • P5-0-2 PLUMBING RISER PC-1-1 PLUMBING CONCESSIONS FLOOR LEVEL PLAN 0 • • • •

0 • • • • •

PL-1-1 PLUMBING LOCKER BUILDING PLAN



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MSBA 90% CD **Construction Document** Submittal

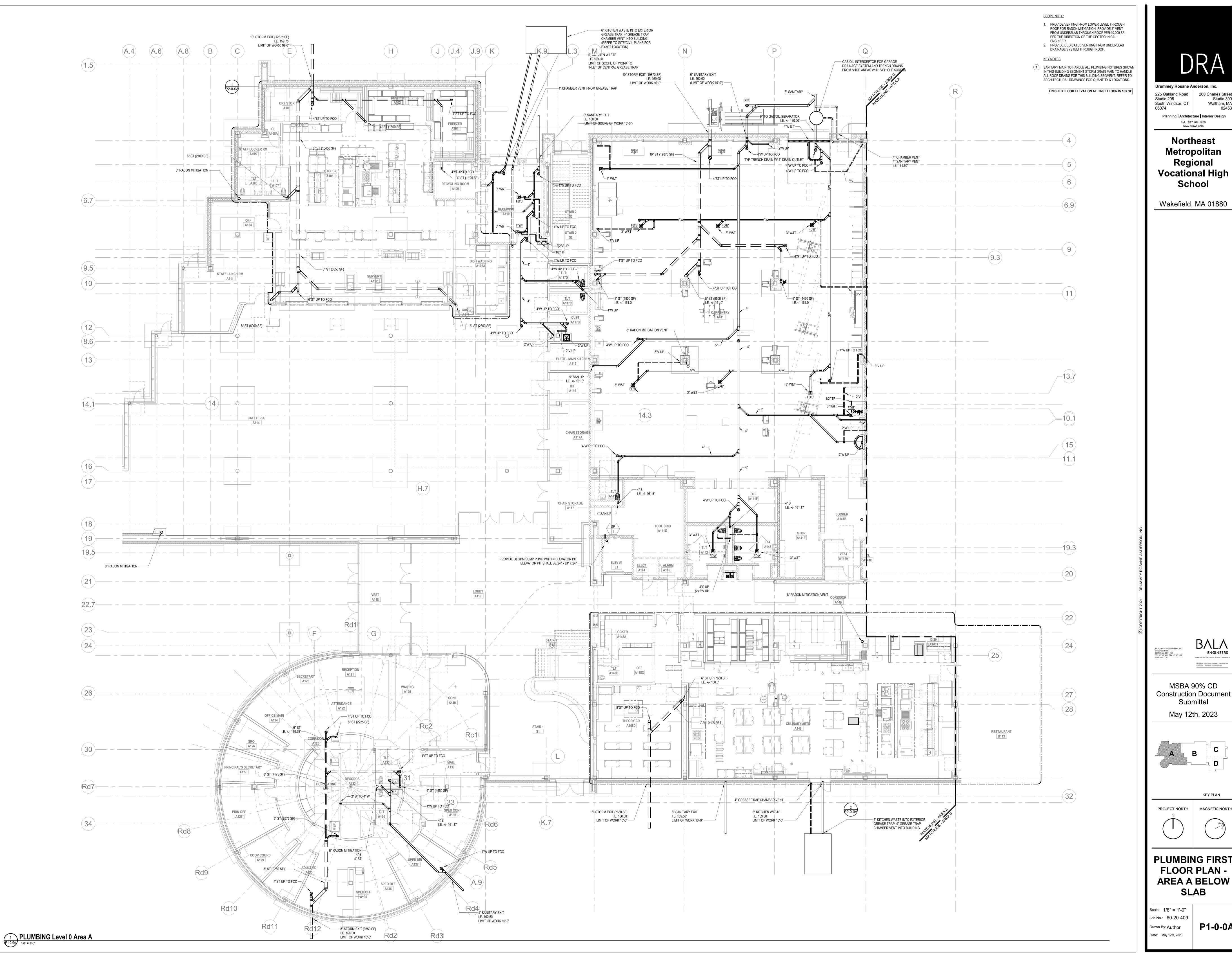
May 12th, 2023



MAGNETIC NORTH

**PLUMBING** LEGENDS, ABBREVIATIONS, **AND GENERAL NOTES** 

Scale: 12" = 1'-0" Job No.: 60-20-409 Drawn By: Author Date: May 12th, 2023



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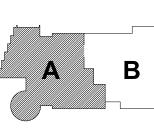
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**KEY PLAN** 

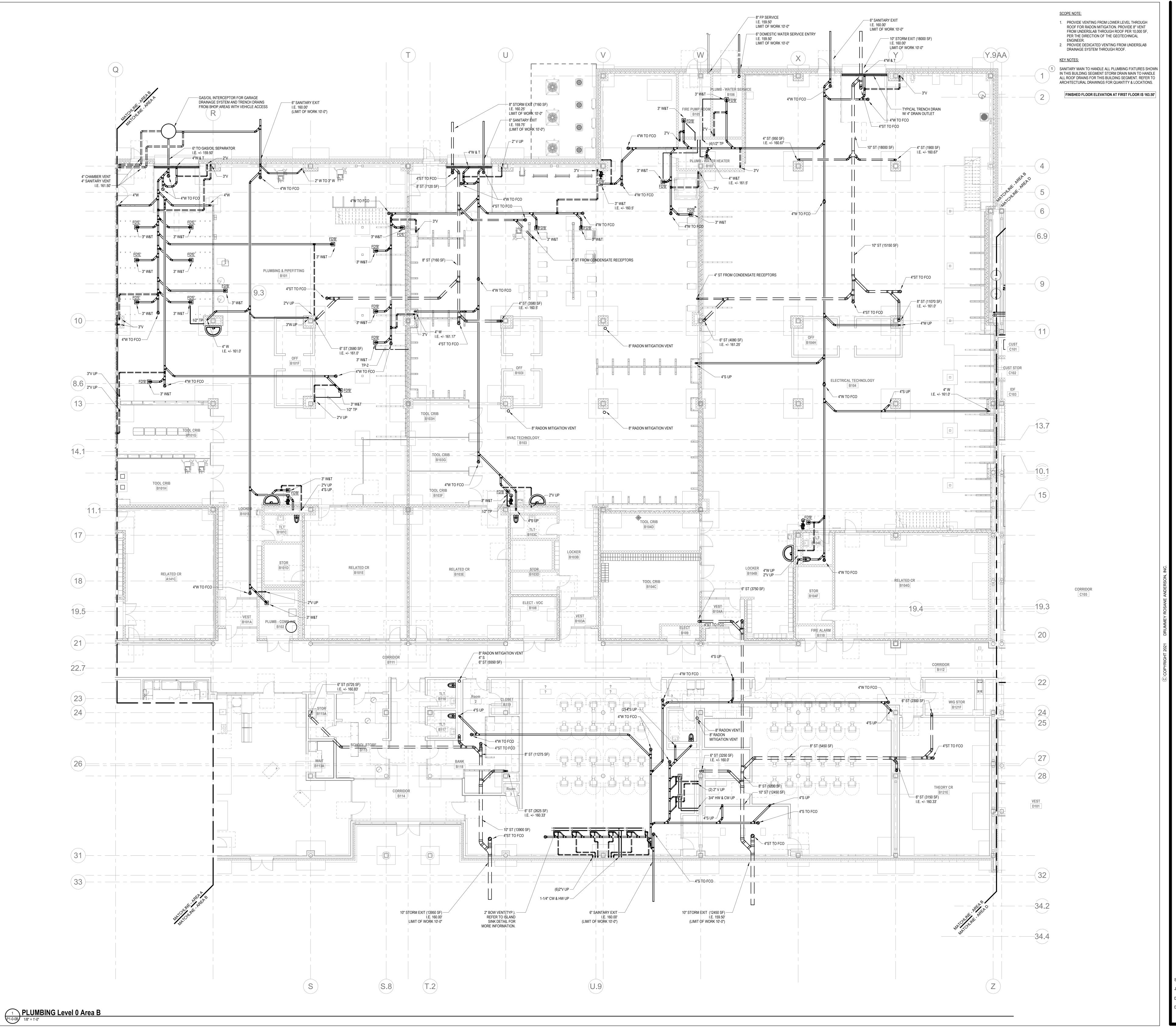
MAGNETIC NORTH

PROJECT NORTH

**PLUMBING FIRST FLOOR PLAN -AREA A BELOW** 

**SLAB** Scale: 1/8" = 1'-0" Job No.: 60-20-409

P1-0-0A



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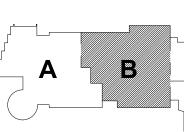
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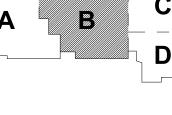
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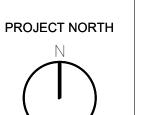
Submittal May 12th, 2023

**Construction Document** 





**KEY PLAN** MAGNETIC NORTH

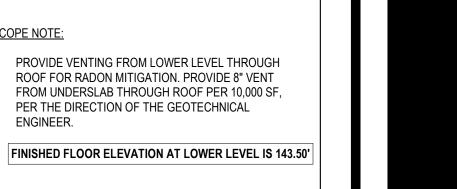


**PLUMBING FIRST** 

**FLOOR PLAN -AREA B BELOW SLAB** 

Scale: 1/8" = 1'-0" Job No.: 60-20-409 Drawn By: Author

P1-0-0B



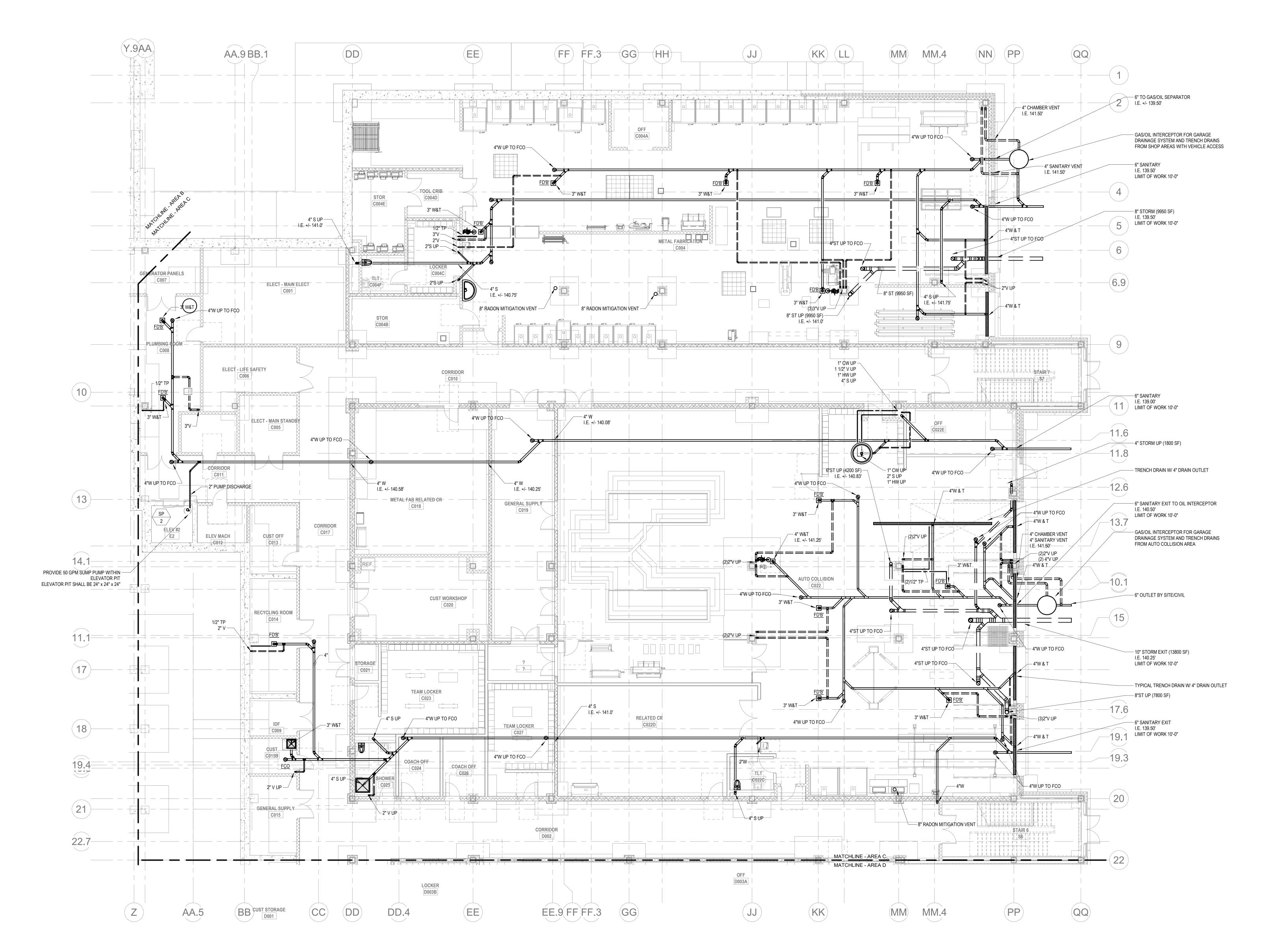
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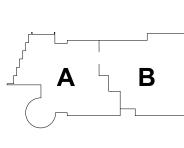


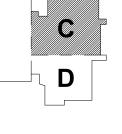
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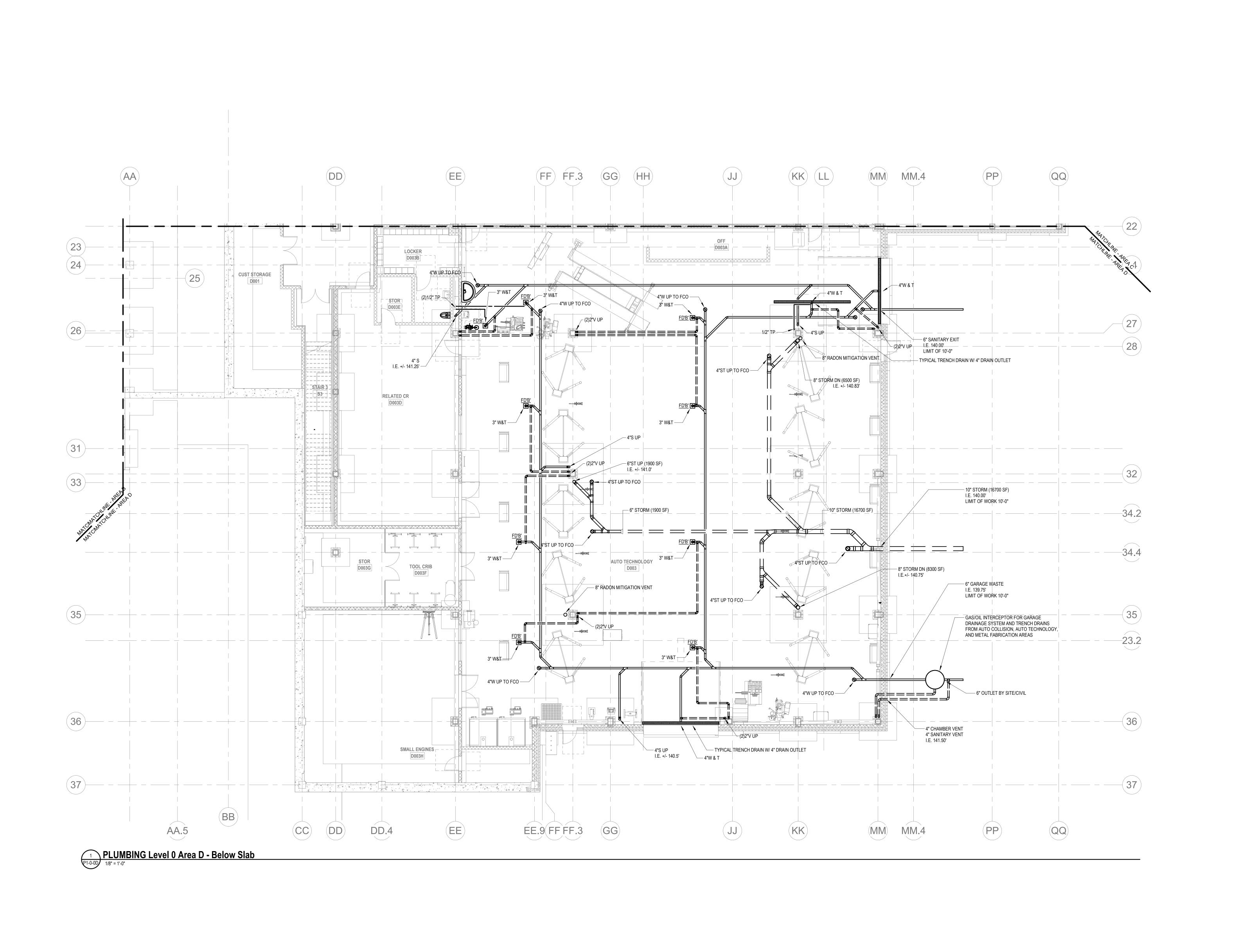
PROJECT NORTH

**PLUMBING** 

**LOWER LEVEL FLOOR PLAN -AREA C BELOW SLAB** 

Scale: 1/8" = 1'-0" Drawn By: Author

P1-0-0C



SCOPE NOTE:

KEY NOTES:

- PROVIDE VENTING FROM LOWER LEVEL THROUGH ROOF FOR RADON MITIGATION. PROVIDE 8" VENT FROM UNDERSLAB THROUGH ROOF PER 10,000 SF, PER THE DIRECTION OF THE GEOTECHNICAL
- PROVIDE DEDICATED VENTING FROM UNDERSLAB
   DRAINAGE SYSTEM THROUGH ROOF.
- 1) SANITARY MAIN TO HANDLE ALL PLUMBING FIXTURES SHOWN IN THIS BUILDING SEGMENT STORM DRAIN MAIN TO HANDLE ALL ROOF DRAINS FOR THIS BUILDING SEGMENT. REFER TO ARCHITECTURAL DRAWINGS FOR QUANTITY & LOCATIONS.

FINISHED FLOOR ELEVATION AT LOWER LEVEL IS 143.50'



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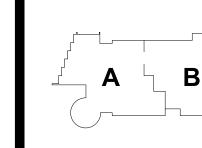
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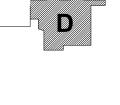
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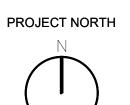


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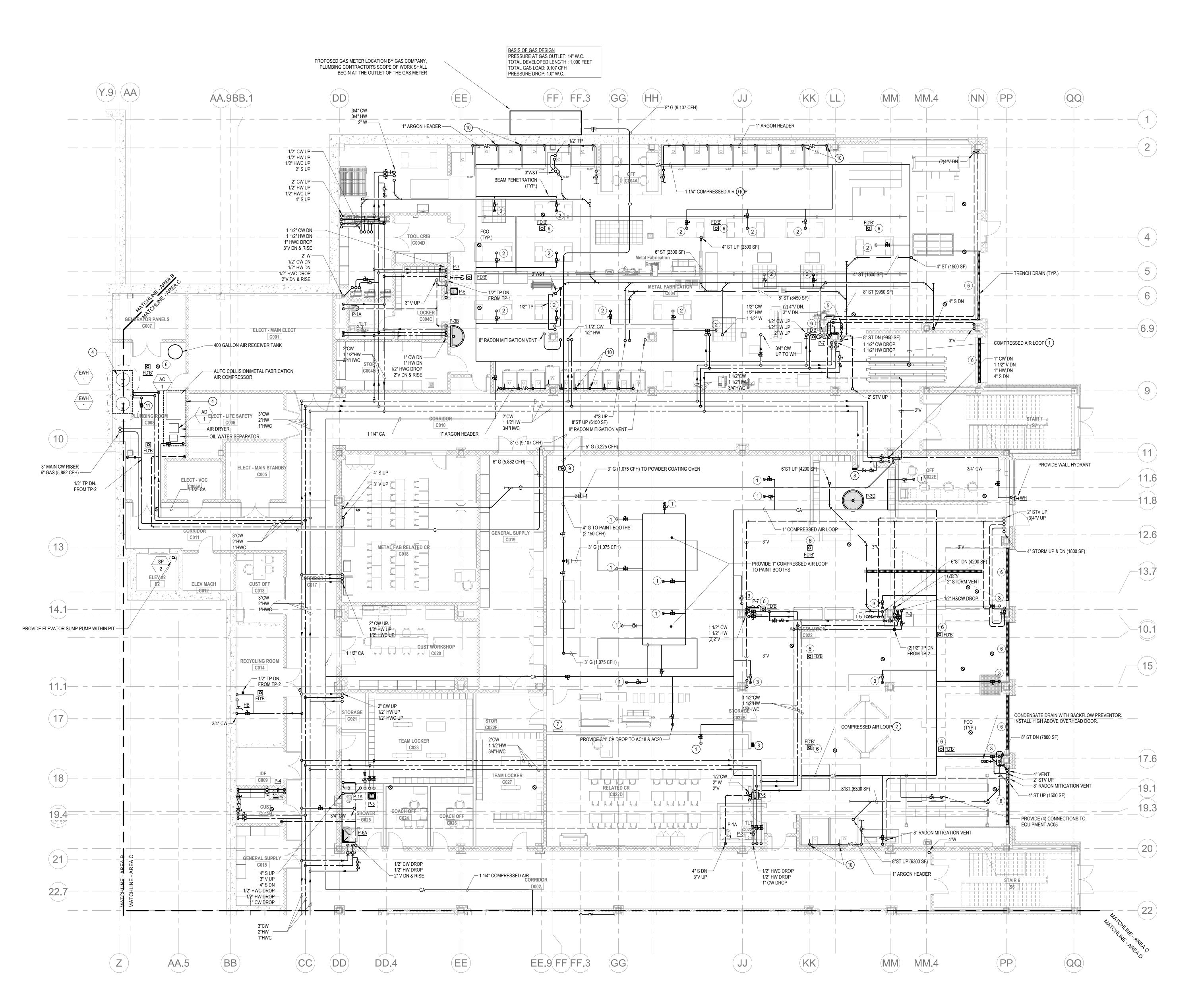
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**PLUMBING LOWER LEVEL FLOOR PLAN -AREA D BELOW** 

**SLAB** Scale: 1/8" = 1'-0" Job No.: 60-20-409 Drawn By: Author

P1-0-0D



P1-1-0C P1-1-0" PLUMBING Level 0 Area C

## KEY NOTES:

- 1) PROVIDE 1/2" COMPRESSED AIR DROP FROM CEILING. EACH DROP SHALL CONTAIN A PRESSURE GAUGE, AIR FILTER, CONDENSATE FILTER, AND PRESSURE REGULATOR.
- PROVIDE 1/2" COMPRESSED AIR CONNECTION TO 25 FOOT HOSE REEL, FOR USE AT MF24 WORKBENCH IN METAL FABRICATION SHOP. EACH CONNECTION SHALL CONTAIN A PRESSURE GAUGE, AIR FILTER, CONDENSATE FILTER, AND
- PRESSURE REGULATOR. PROVIDE 3/4" COMPRESSED AIR DROP TO FEED DOUBLE COMPRESSED AIR OUTLET. EACH DROP SHALL CONTAIN A SHUTOFF VALVE, PRESSURE GAUGE, AIR FILTER, CONDENSATE
- FILTER, AND PRESSURE REGULATOR. 4) PROVIDE CONCRETE HOUSEKEEPING PAD.
- (5) CONDENSATE DRAIN WITH BACKFLOW PREVENTOR. INSTALL TIGHT TO WALL. FIELD COORDINATE INSTALLATION.
- (6) PROVIDE FLOOR/TRENCH DRAIN WITH TRAP GUARD. (7) MASTER GAS VALVE CONTROL PANEL. EMERGENCY SHUTOFF PANEL TO GAS SUPPLY TO PAINT BOOTHS AND POWDER
- COATING BOOTH. (8) EMERGENCY SHUTOFF BUTTON FOR GAS SUPPLY.
- (9) GAS SOLENOID VALVE SHALL BE WIRED TO EMERGENCY SHUTOOF PANEL AND EMERGENCY SHUTOFF BUTTONS WITHIN
- AUTO COLLISION SHOP. (10) 1/2" ARGON DROP TO EACH WELDING BOOTH, PROVIDE
- SHUTOFF VALVE AND QUICK DISCONNECT 48" AFF (TYPICAL).
- 11) PROVIDE <u>WM-3</u> WATER METER FOR AREA C WATER HEATERS.

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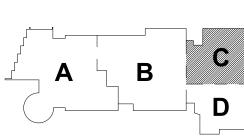
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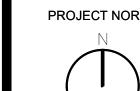
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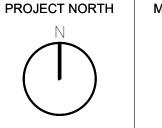
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MAGNETIC NORTH





**PLUMBING LOWER LEVEL** FLOOR PLAN -**AREA C** 

Scale: 1/8" = 1'-0" Job No.: 60-20-409 Drawn By: Author

P1-1-0C

P1-1-0D 1/8" = 1'-0"

KEY NOTES:

- PROVIDE 3/4" COMPRESSED AIR DROP TO FEED DOUBLE COMPRESSED AIR OUTLET. EACH DROP SHALL CONTAIN A SHUTOFF VALVE, PRESSURE GAUGE, AIR FILTER, CONDENSATE FILTER, AND PRESSURE REGULATOR.
- CONDENSATE RECEPTOR WITH BACKFLOW PREVENTOR. INSTALL TIGHT TO WALL. FIELD COORDINATE INSTALLATION.
- (3) PROVIDE FLOOR/TRENCH DRAIN WITH TRAP GUARD.
- 4 1/2" ARGON DROP TO EACH WELDING BOOTH, PROVIDE SHUTOFF VALVE AND QUICK DISCONNECT 48" AFF (TYPICAL).
- PROVIDE 1/2" COMPRESSED AIR DROP TO FEED COMPRESSED AIR OUTLET. EACH DROP SHALL CONTAIN A SHUTOFF VALVE, PRESSURE GAUGE, AIR FILTER, CONDENSATE FILTER, AND

PRESSURE REGULATOR.

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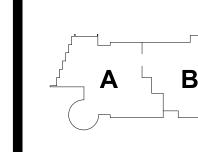
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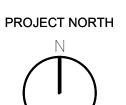
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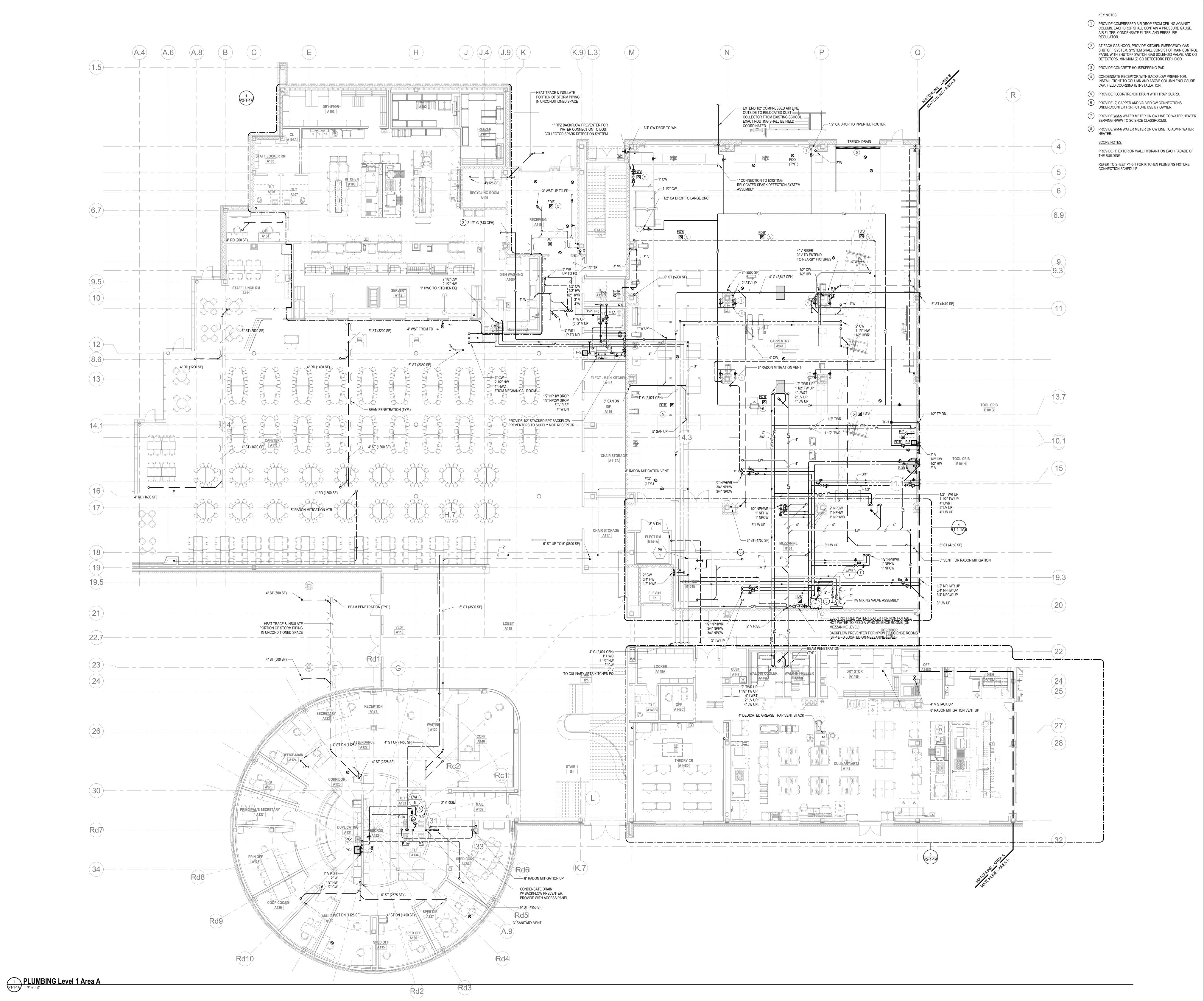


**PLUMBING LOWER LEVEL FLOOR PLAN -**

AREA D

Scale: 1/8" = 1'-0" Drawn By: Author

P1-1-0D



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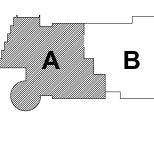
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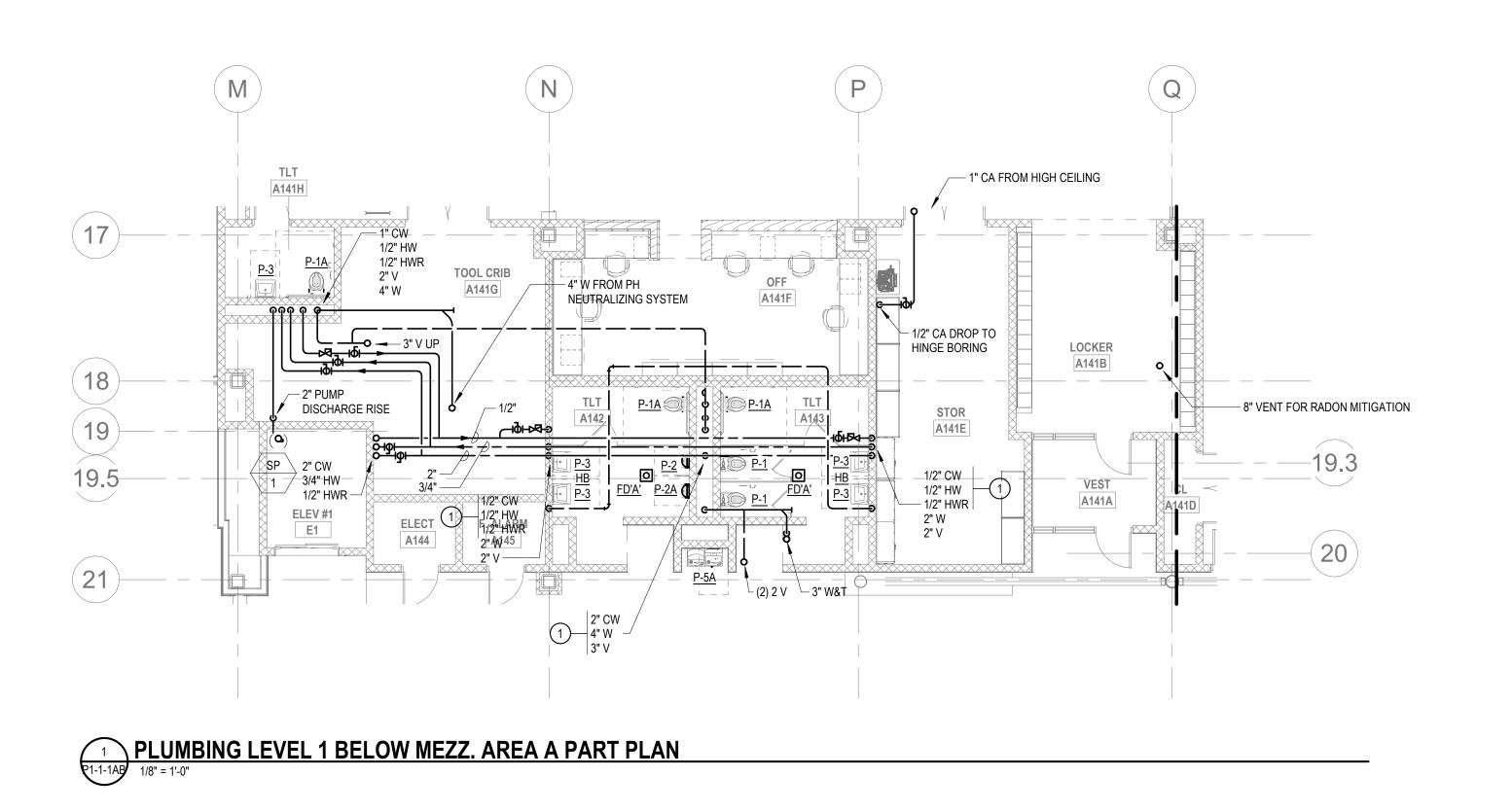
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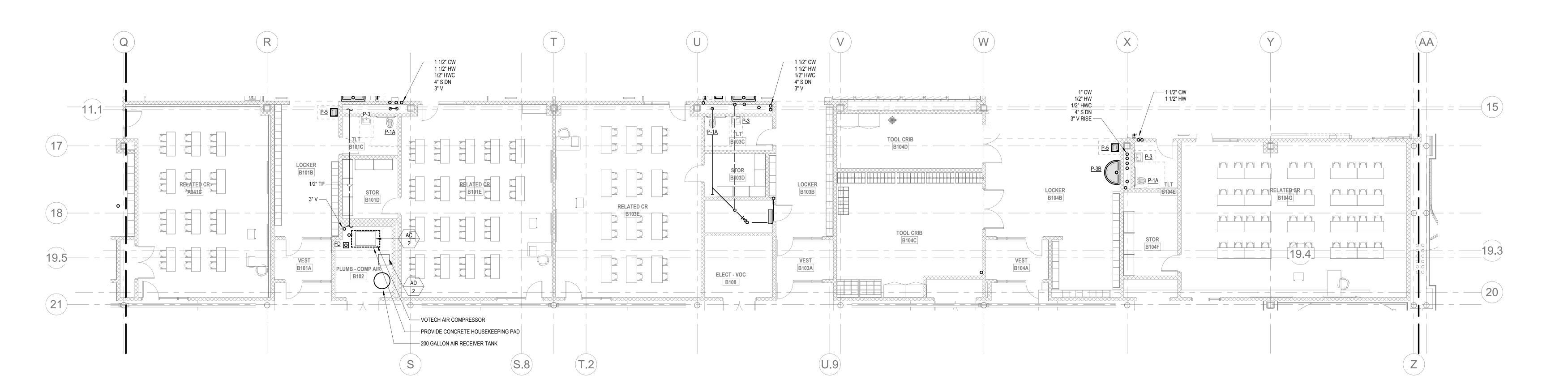


PLUMBING FIRST **FLOOR PLAN -AREA A** 

Scale: 1/8" = 1'-0" Job No.: 60-20-409 Drawn By: Author

P1-1-1A





PLUMBING LEVEL 1 BELOW MEZZ. AREA B PART PLAN

1/8" = 1'-0"



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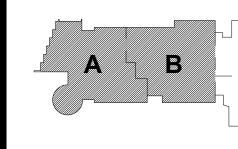
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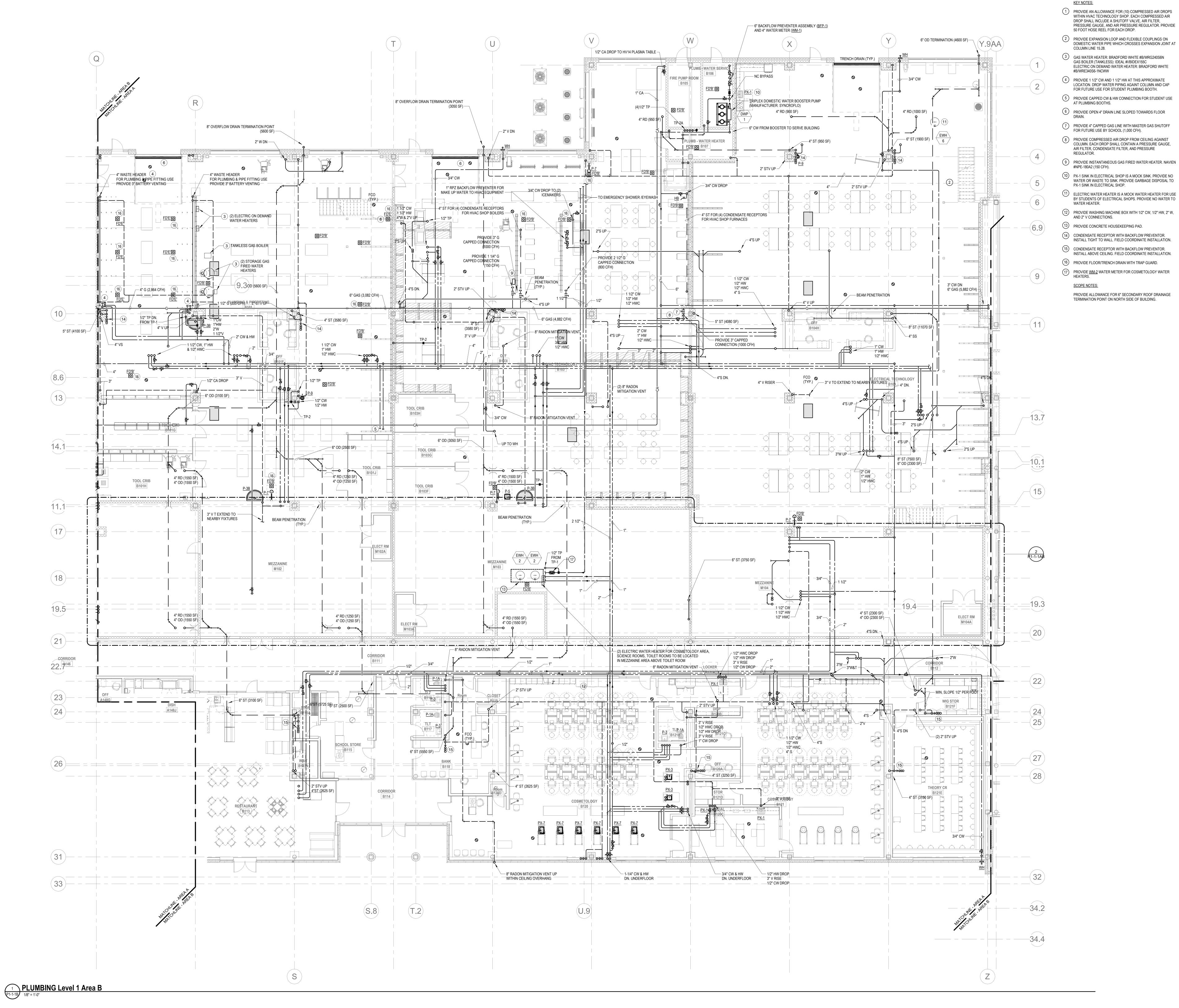
**KEY PLAN** MAGNETIC NORTH

**PLUMBING FIRST** 

**FLOOR BELOW MEZZANINE** PLAN - AREA A/B

Scale: 1/8" = 1'-0" Job No.: 60-20-409 Drawn By: Author

P1-1-1AB



1) PROVIDE AN ALLOWANCE FOR (10) COMPRESSED AIR DROPS WITHIN HVAC TECHNOLOGY SHOP. EACH COMPRESSED AIR DROP SHALL INCLUDE A SHUTOFF VALVE, AIR FILTER,

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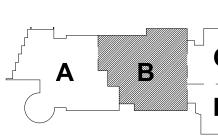
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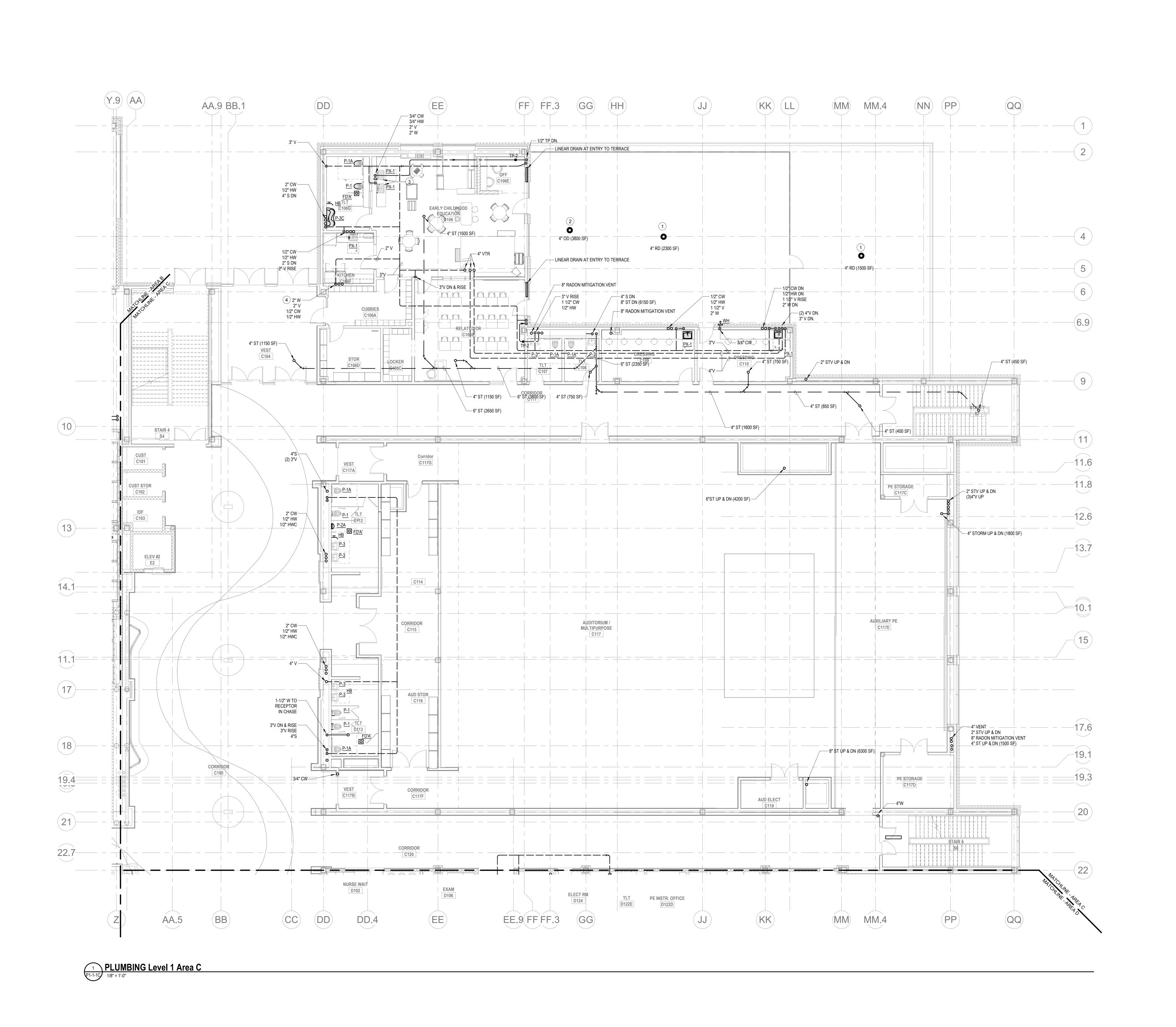
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**PLUMBING FIRST FLOOR PLAN -AREA B** 

Scale: 1/8" = 1'-0" Job No.: 60-20-409 Drawn By: Author

P1-1-1B



## KEY NOTES:

- 1 PROVIDE ROOF DRAIN WITH FLAT GRATE UNDER PAVERS.
  2 PROVIDE SECONDARY ROOF DRAINAGE HALFWAY UP THE ROOF PITCH TO AVOID WATER BACKING UP INTO THE
- ROOF PITCH TO AVOID WATER BACKING UP IN BUILDING.
- PROVIDE PLASTER TRAPS FOR SINKS.
   PROVIDE WASHING MACHINE BOX TO RECEIVE CW, HW, WASTE, AND VENT CONNECTIONS FOR WASHING MACHINE.



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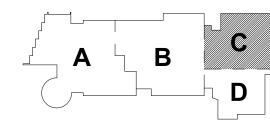
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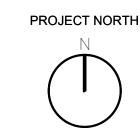
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PLUMBING FIRST FLOOR PLAN -AREA C

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

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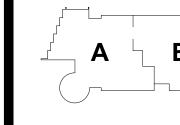
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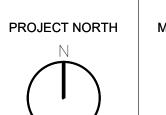






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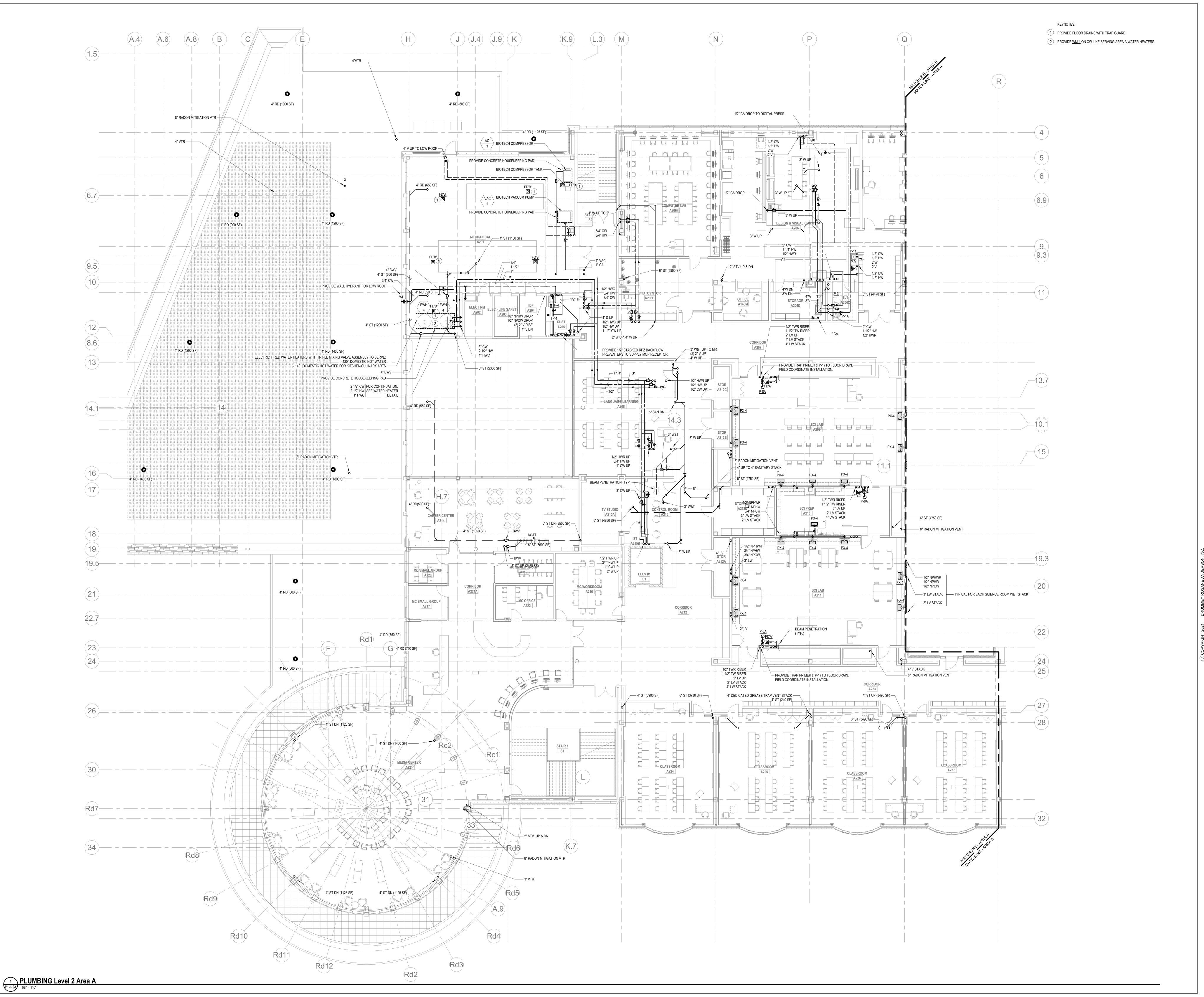


PLUMBING FIRST **FLOOR PLAN -**AREA D

Scale: 1/8" = 1'-0" Drawn By: Author

P1-1-1D







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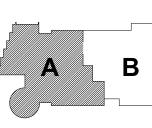
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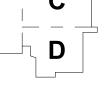
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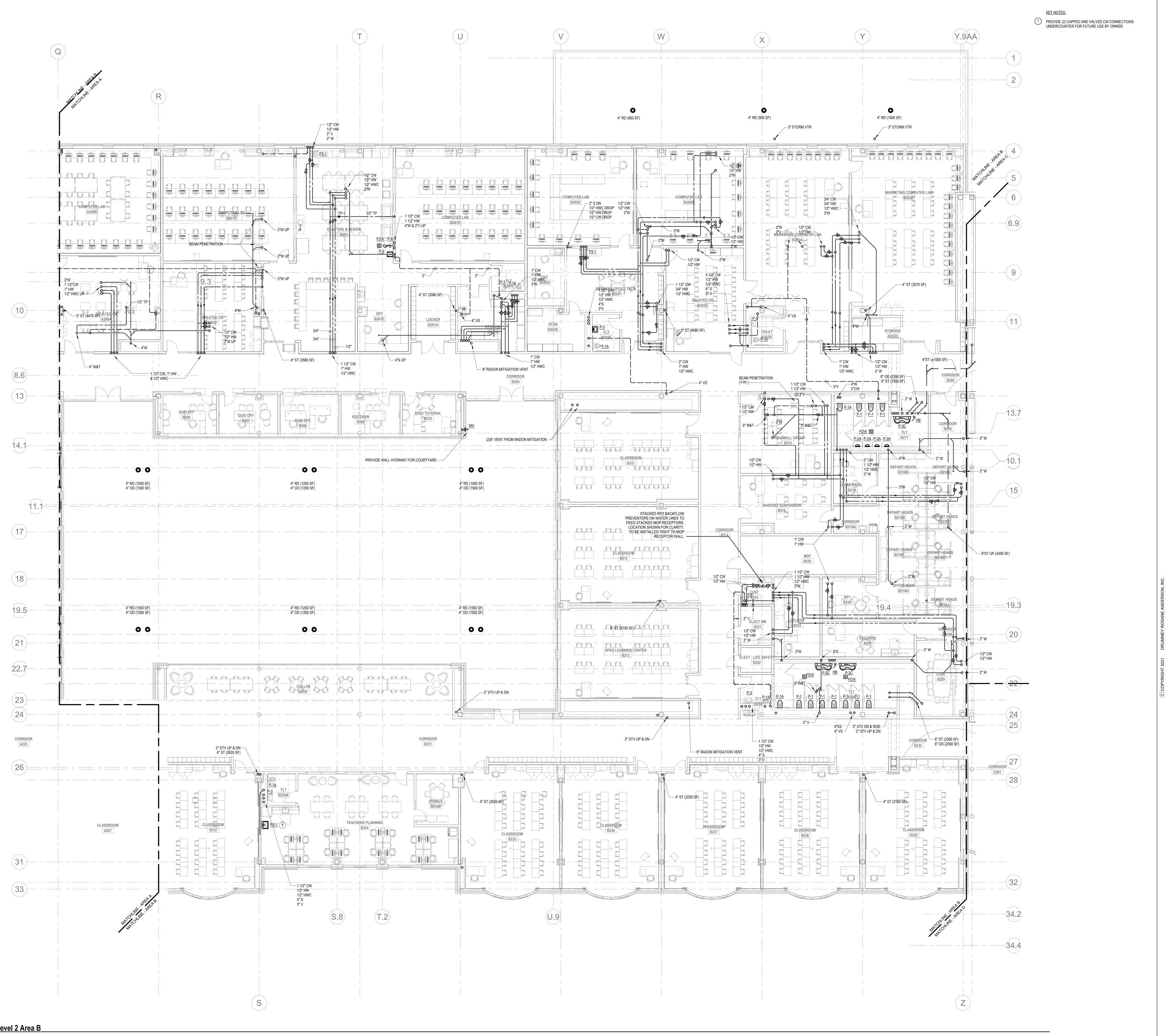
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**PLUMBING SECOND FLOOR** PLAN - AREA A

Scale: 1/8" = 1'-0" Job No.: 60-20-409 Drawn By: Author

P1-1-2A



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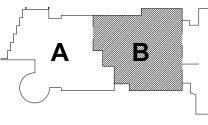
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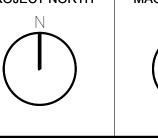
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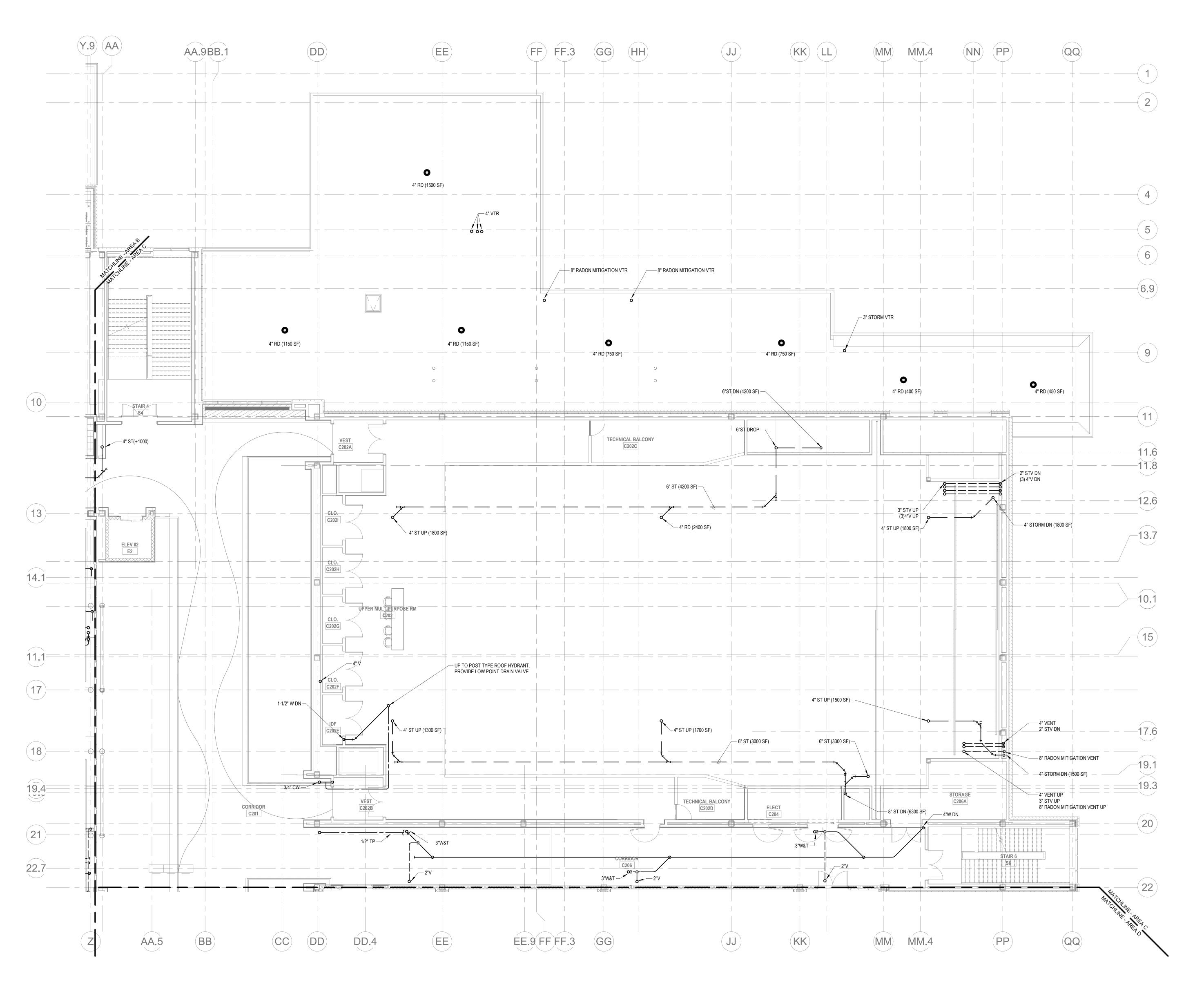
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**PLUMBING SECOND FLOOR** PLAN - AREA B

Scale: 1/8" = 1'-0" Job No.: 60-20-409 Drawn By: Author

P1-1-2B



P1-1-2C 1/8" = 1'-0"



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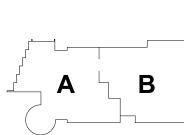
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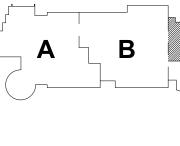
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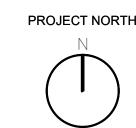
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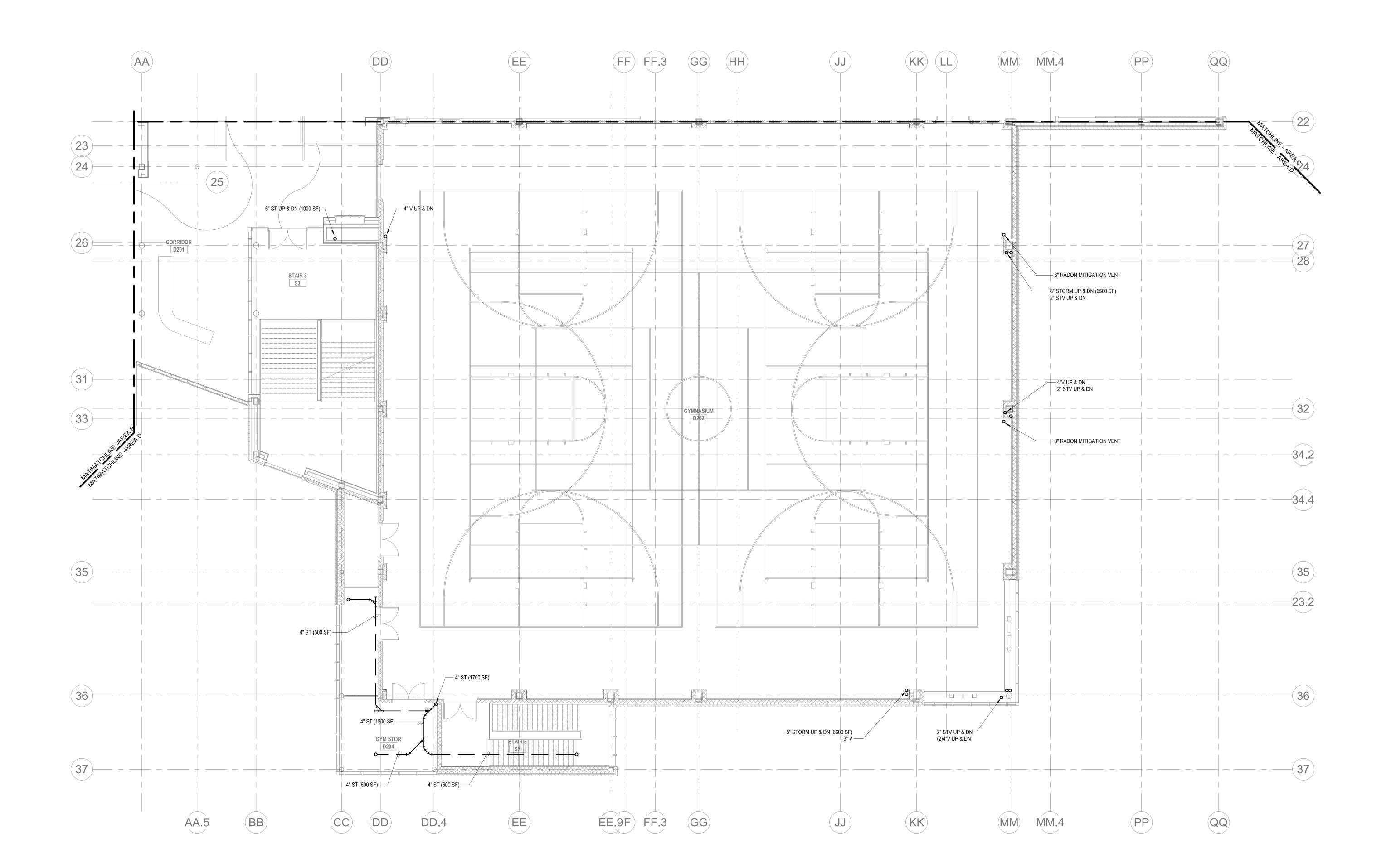
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**PLUMBING SECOND FLOOR** PLAN - AREA C

Scale: 1/8" = 1'-0" Drawn By: Author

P1-1-2C







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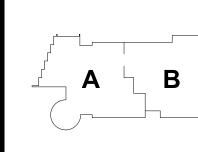
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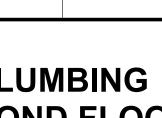
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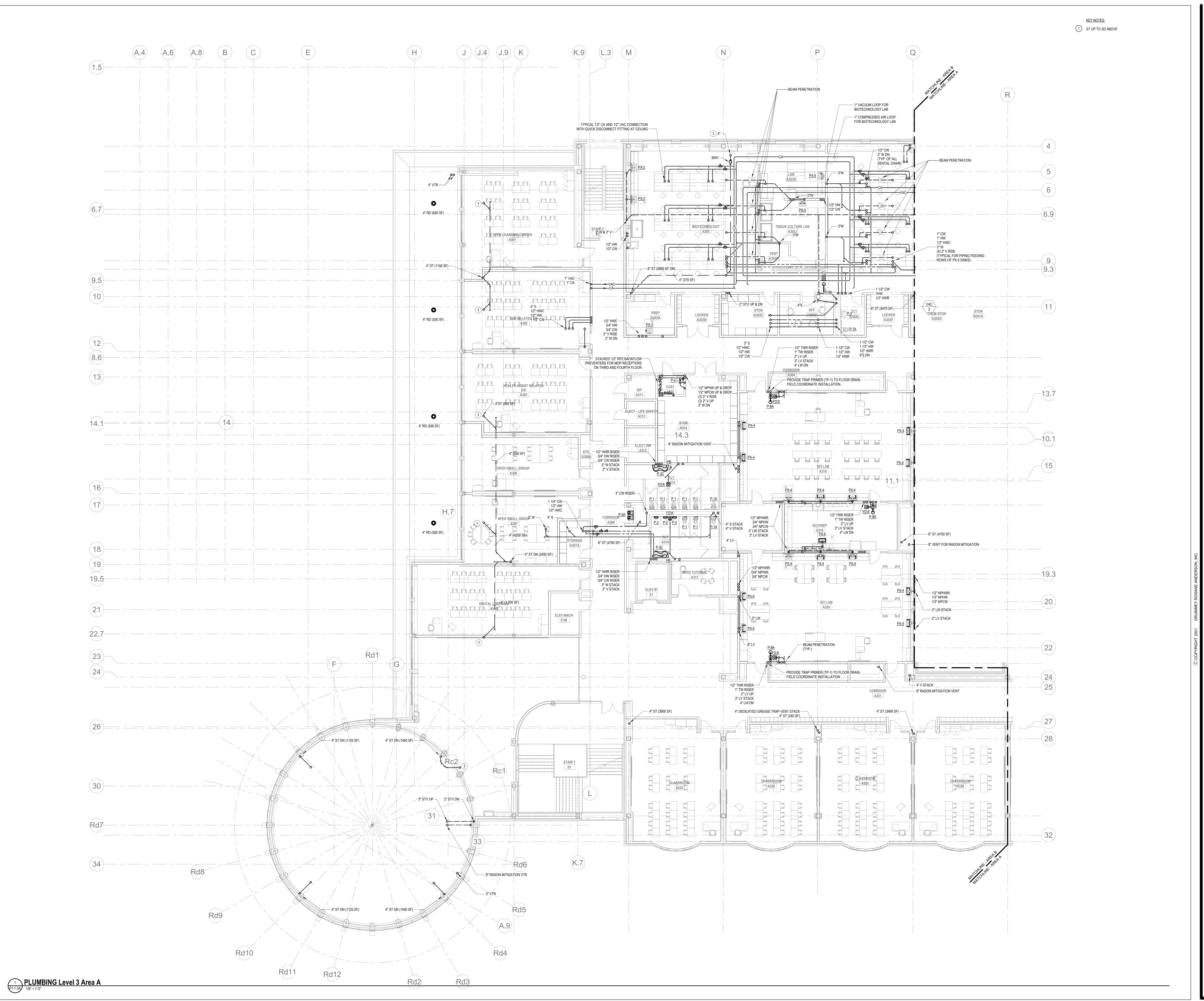




**PLUMBING SECOND FLOOR PLAN - AREA D** 

Scale: 1/8" = 1'-0" Job No.: 60-20-409 Drawn By: Author

P1-1-2D



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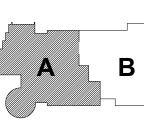
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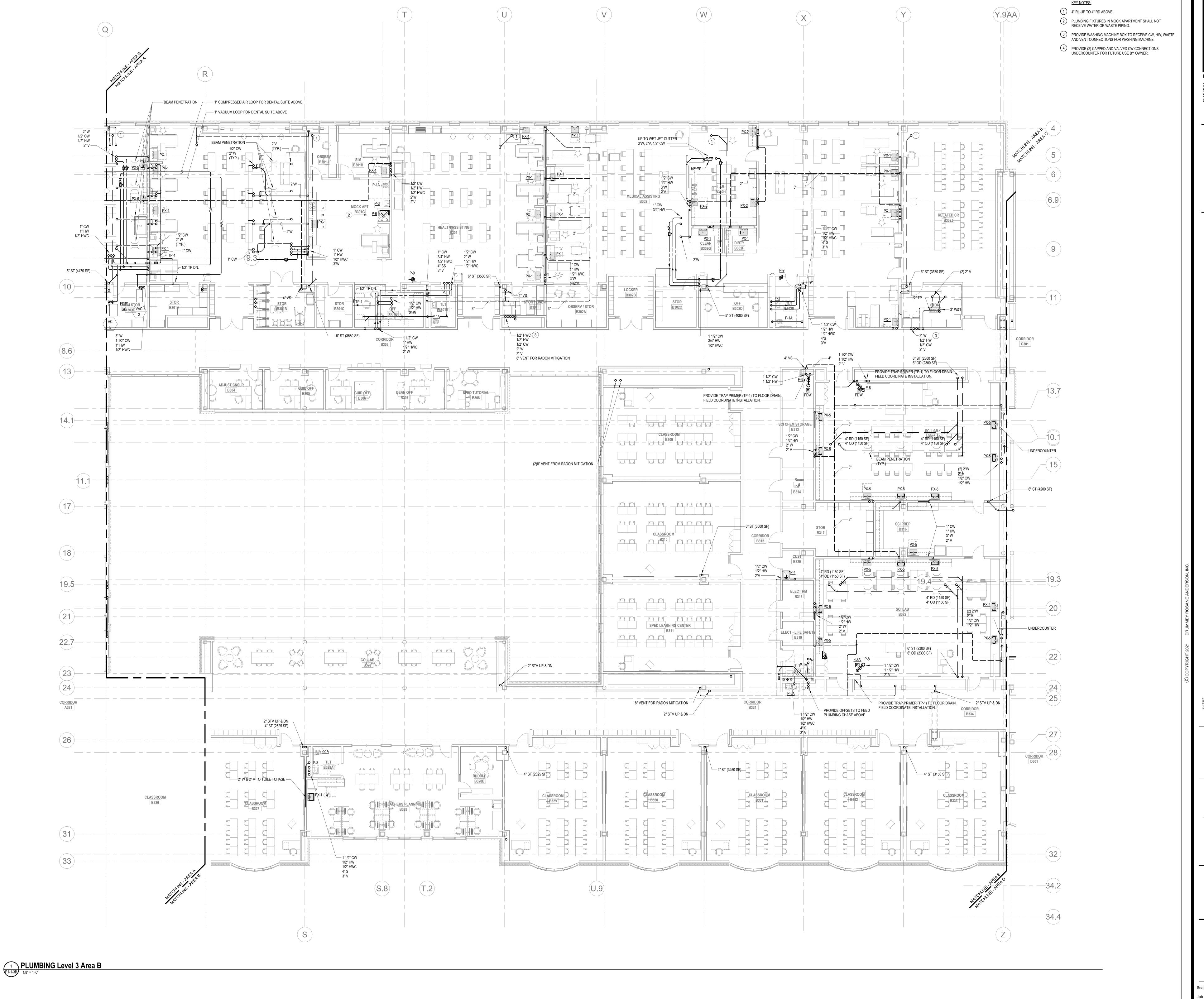
PLUMBING THIRD FLOOR PLAN - AREA A

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

Job No.: 60-20-409

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P1-1-3A



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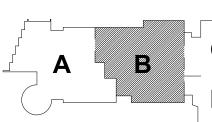
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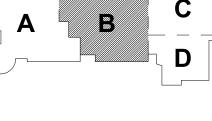
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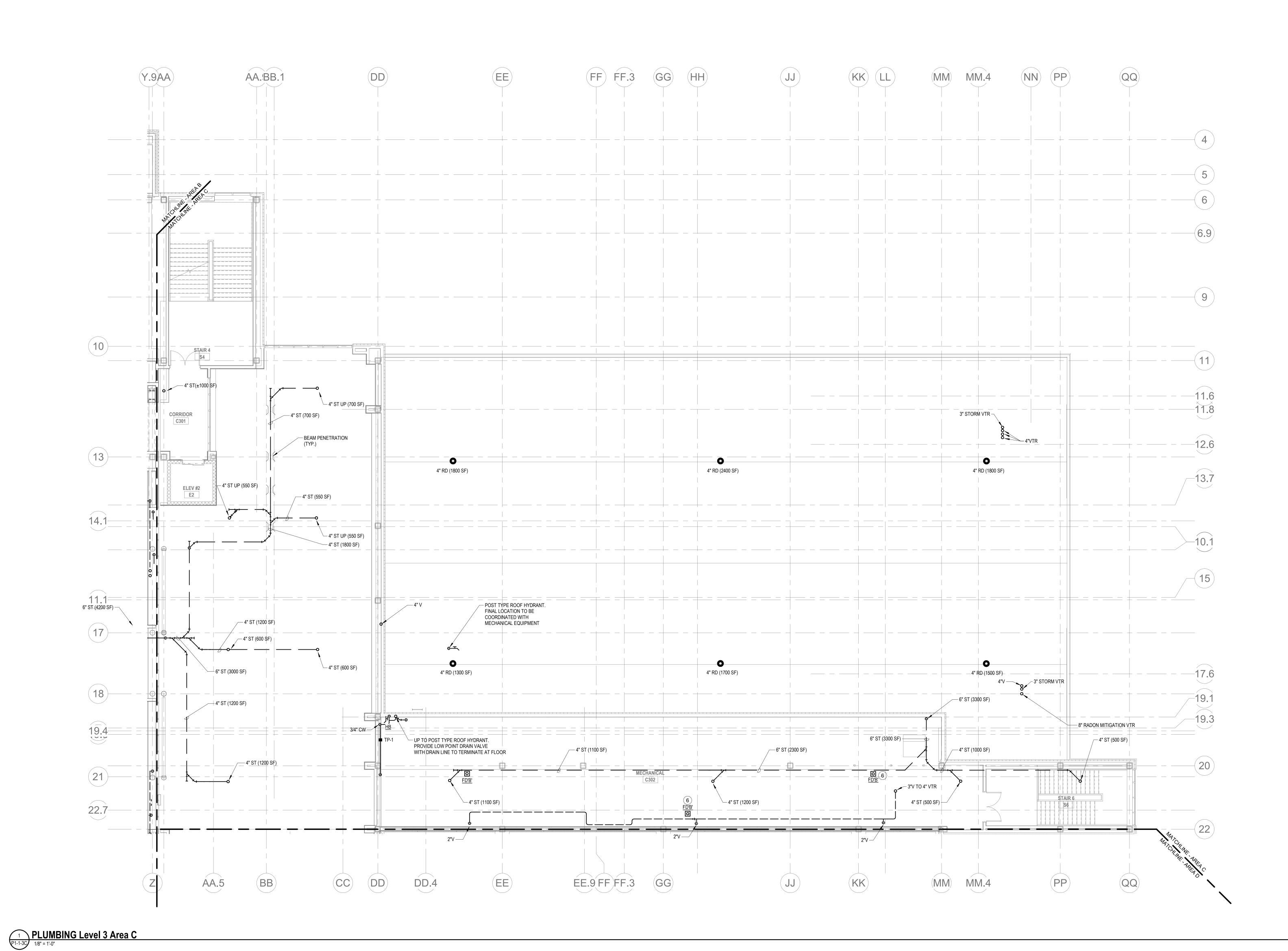
**KEY PLAN** MAGNETIC NORTH



**PLUMBING** THIRD FLOOR PLAN - AREA B

Scale: 1/8" = 1'-0" Job No.: 60-20-409 Drawn By: Author

P1-1-3B



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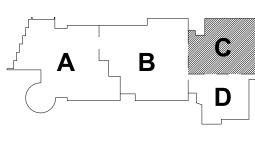
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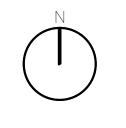
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**KEY PLAN** 

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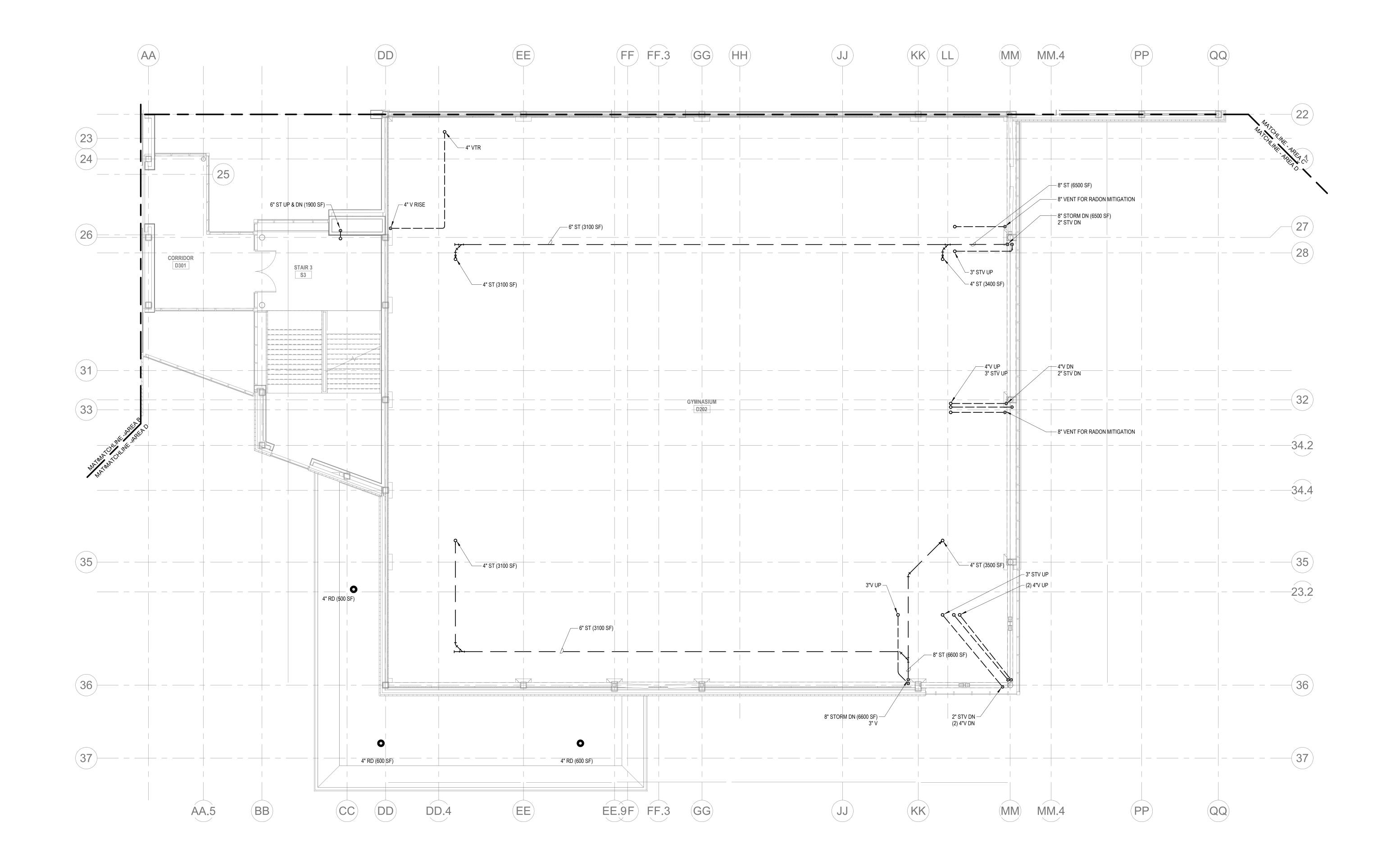
PROJECT NORTH



**PLUMBING** THIRD FLOOR PLAN - AREA C

Scale: 1/8" = 1'-0" Drawn By: Author

P1-1-3C



P1-1-3D PLUMBING Level 3 Area D



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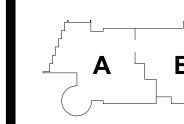
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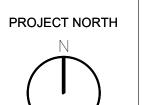
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**KEY PLAN** MAGNETIC NORTH

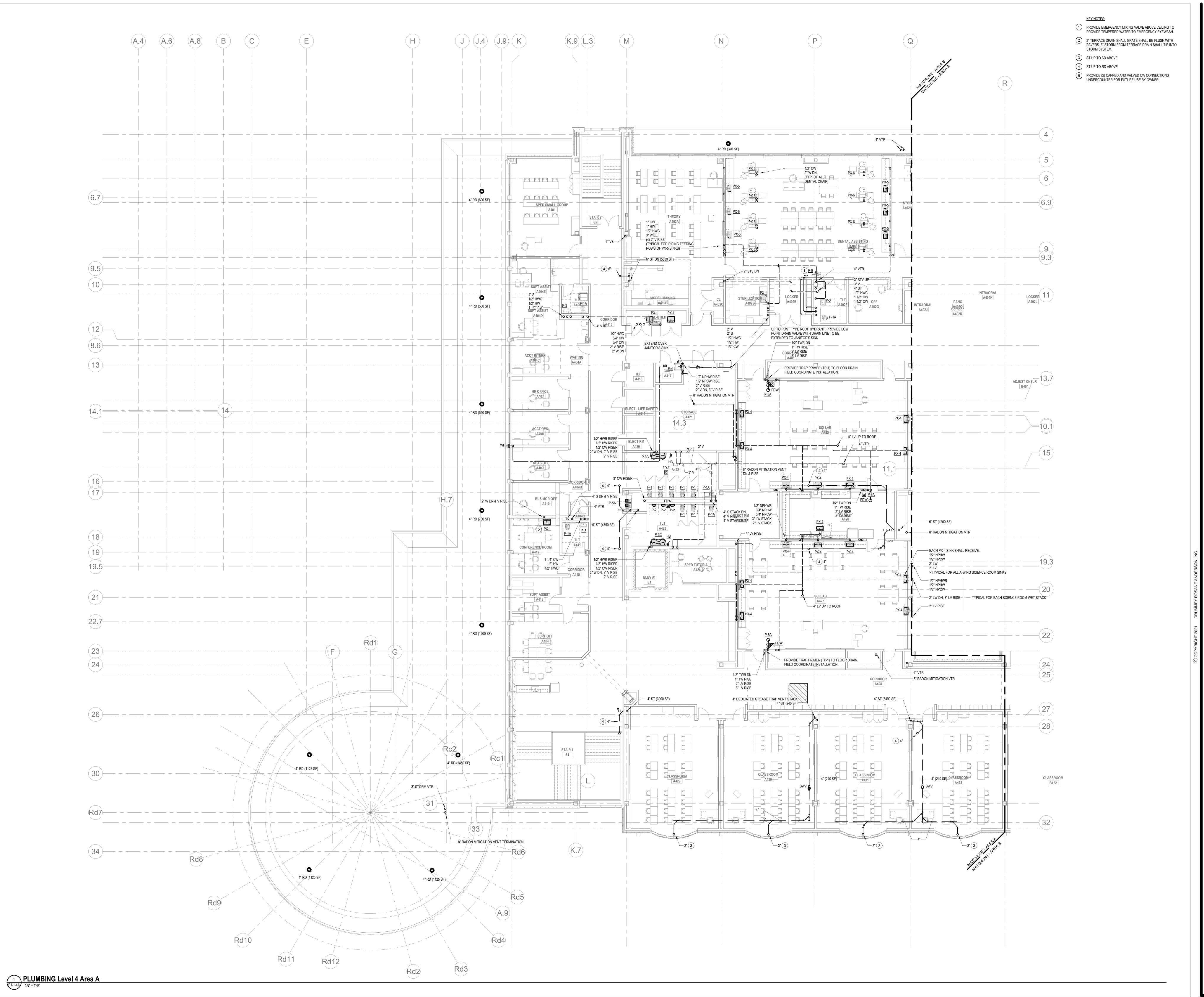




**PLUMBING** THIRD FLOOR **PLAN - AREA D** 

Scale: 1/8" = 1'-0" Drawn By: Author

P1-1-3D



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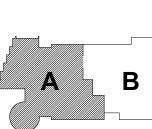
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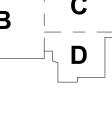
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**KEY PLAN** 

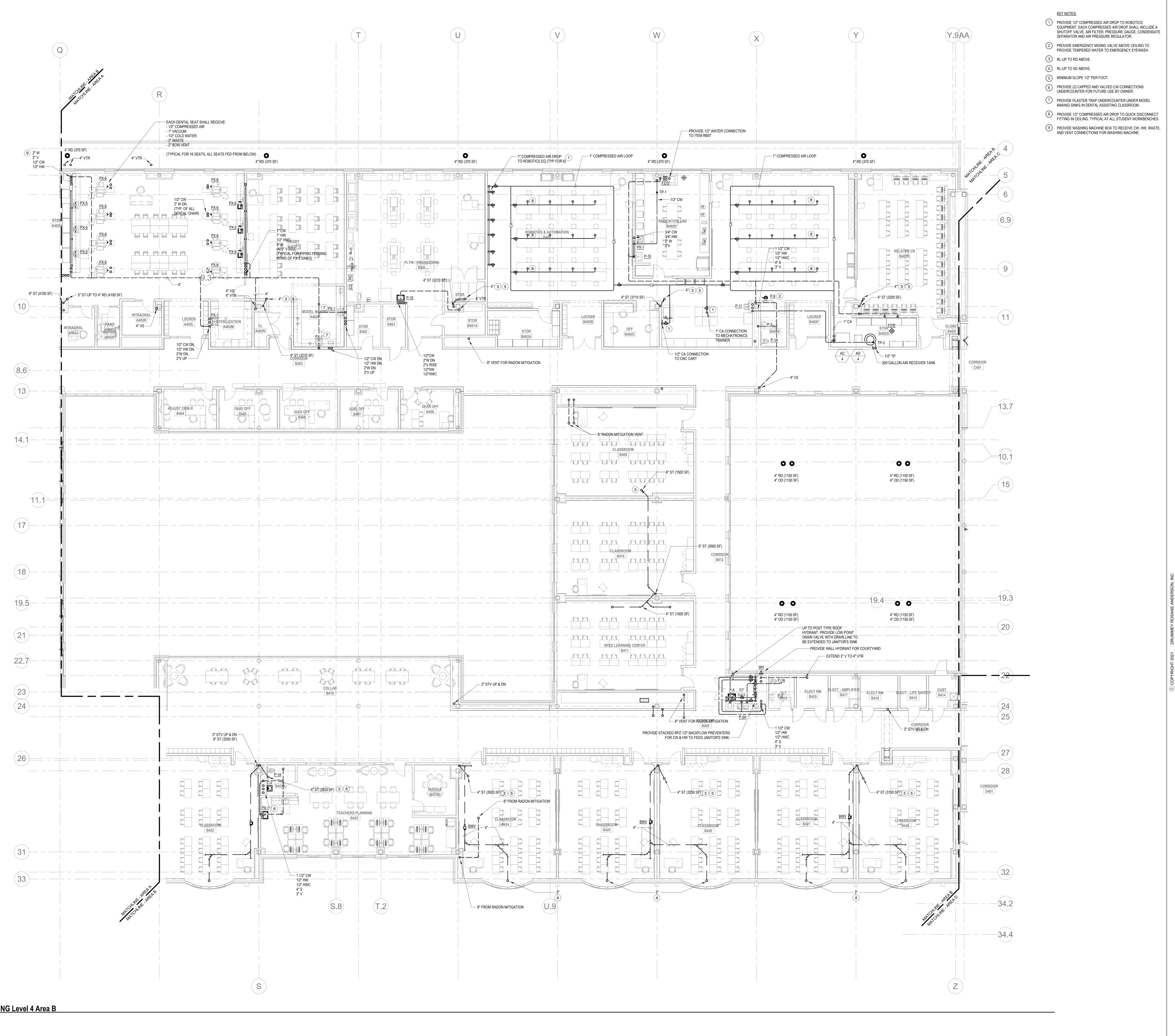
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**PLUMBING FOURTH FLOOR** PLAN - AREA A

Scale: 1/8" = 1'-0" Job No.: 60-20-409 Drawn By: Author

P1-1-4A



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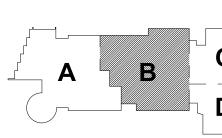
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KEY PLAN

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PLUMBING FOURTH FLOOR PLAN - AREA B

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

Job No.: 60-20-409

Drawn By: Author

P1-1-4B

P1-1-4C P1-1-4C 1/8" = 1'-0"

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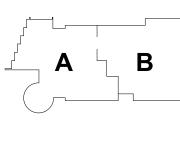
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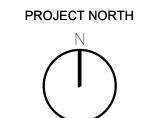
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**KEY PLAN** 

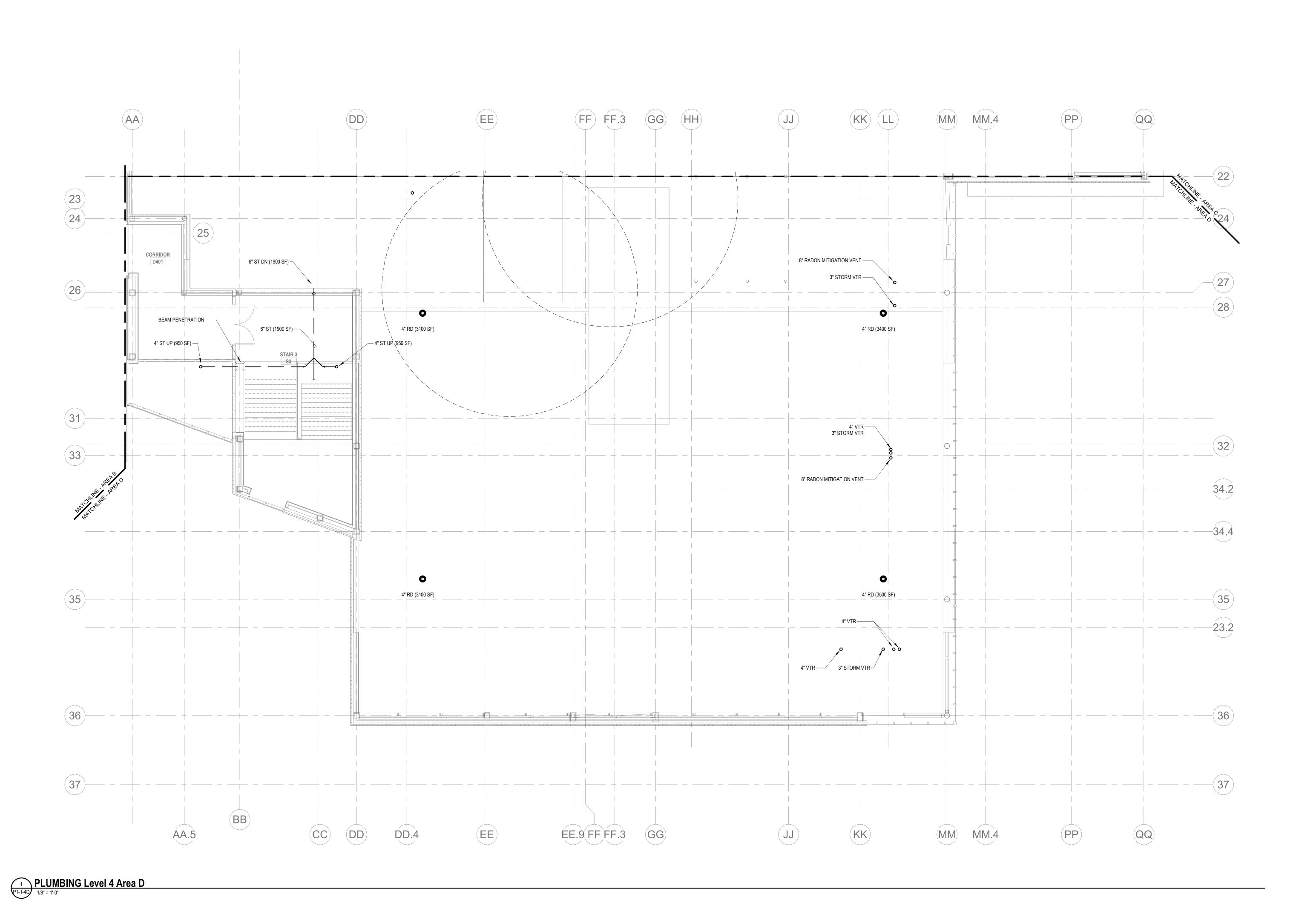
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**PLUMBING FOURTH FLOOR** PLAN - AREA C

Scale: 1/8" = 1'-0" Drawn By: Author

P1-1-4C



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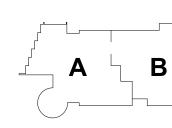
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**KEY PLAN** 

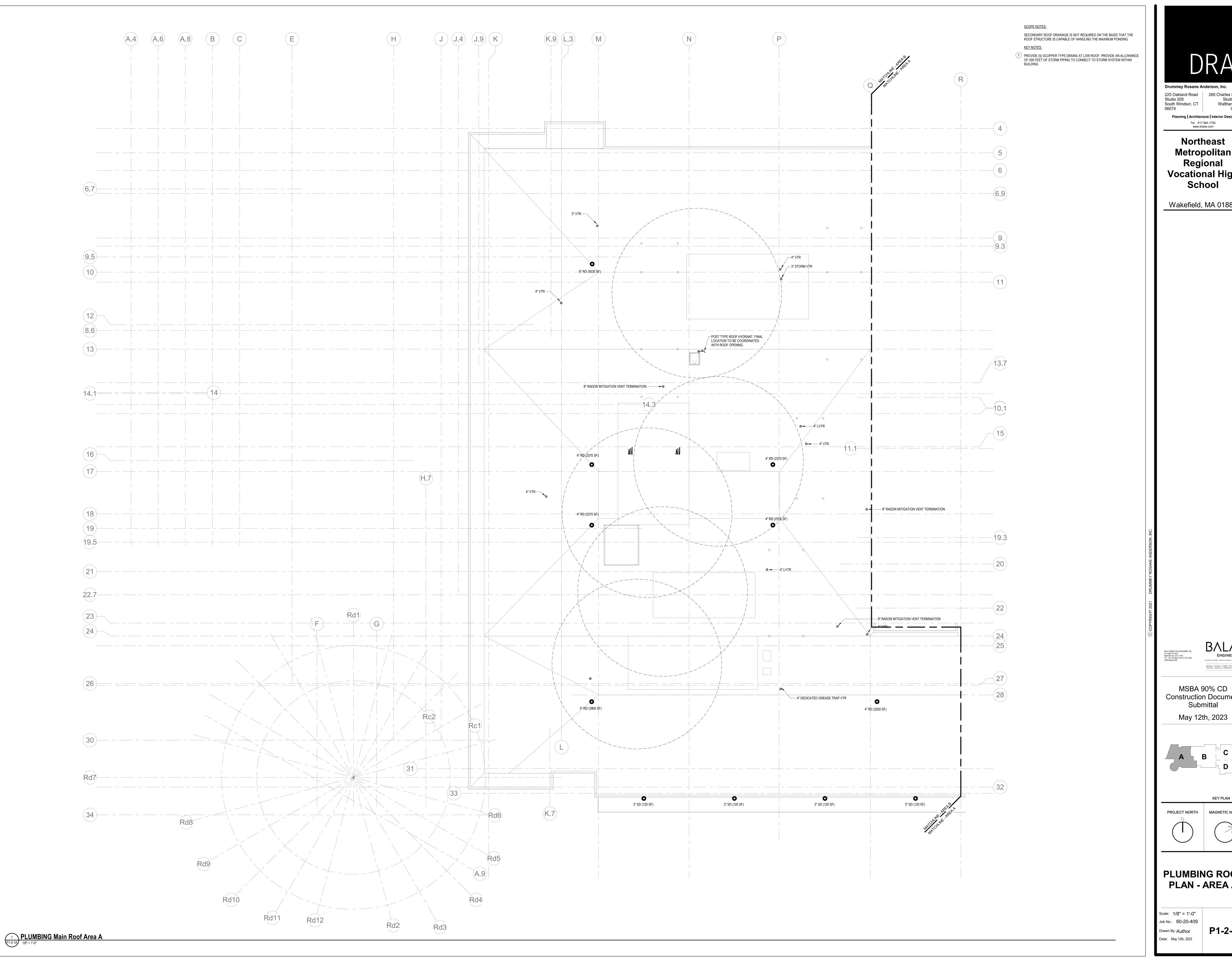


MAGNETIC NORTH

**PLUMBING FOURTH FLOOR PLAN - AREA D** 

Scale: 1/8" = 1'-0" Drawn By: Author

P1-1-4D



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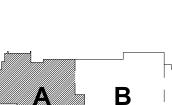
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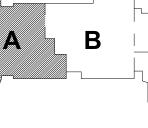
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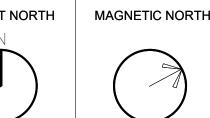
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**KEY PLAN** 

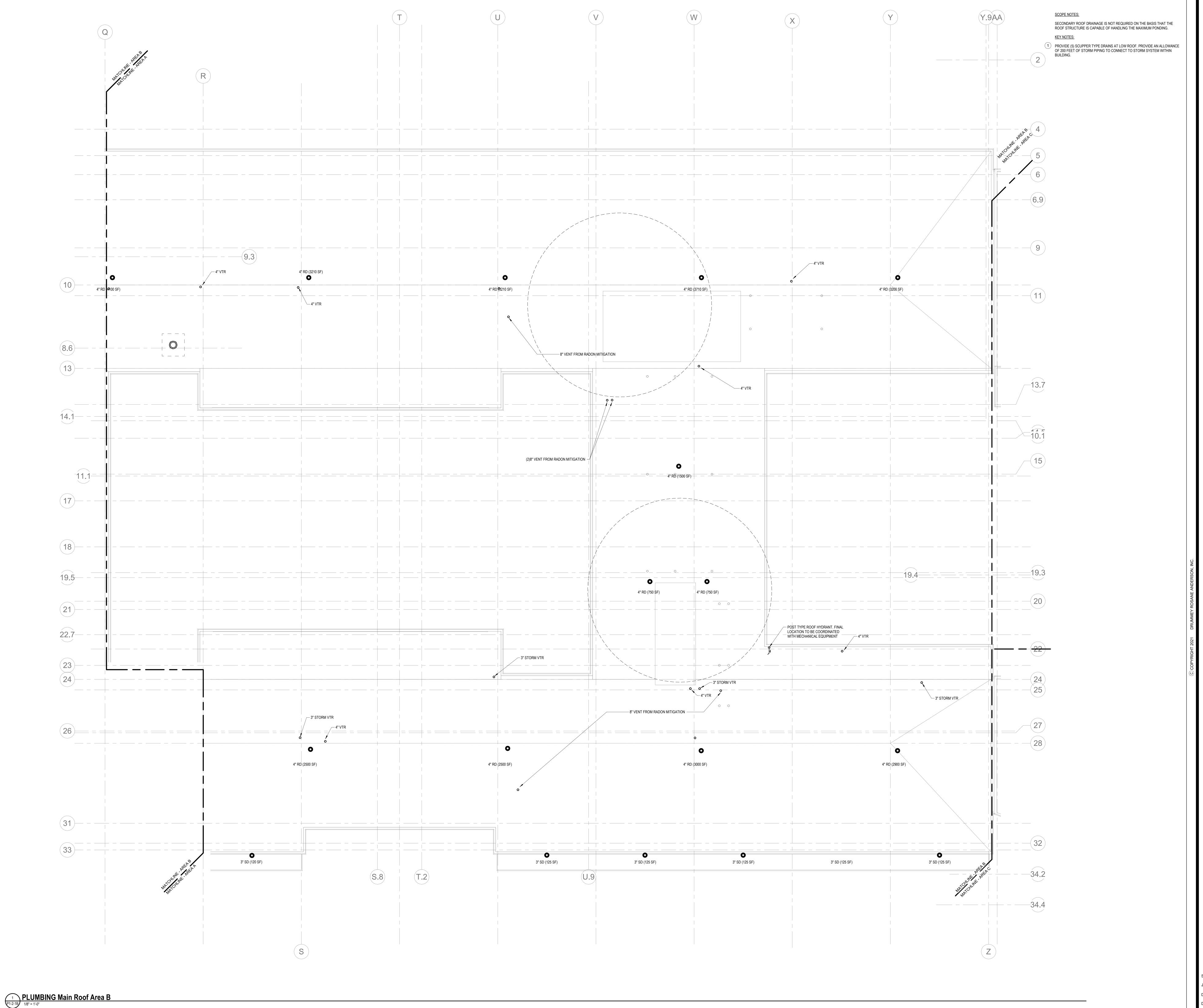




PLUMBING ROOF PLAN - AREA A

Scale: 1/8" = 1'-0" Job No.: 60-20-409 Drawn By: Author

P1-2-1A



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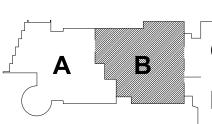
School

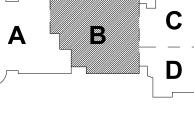
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**KEY PLAN** MAGNETIC NORTH

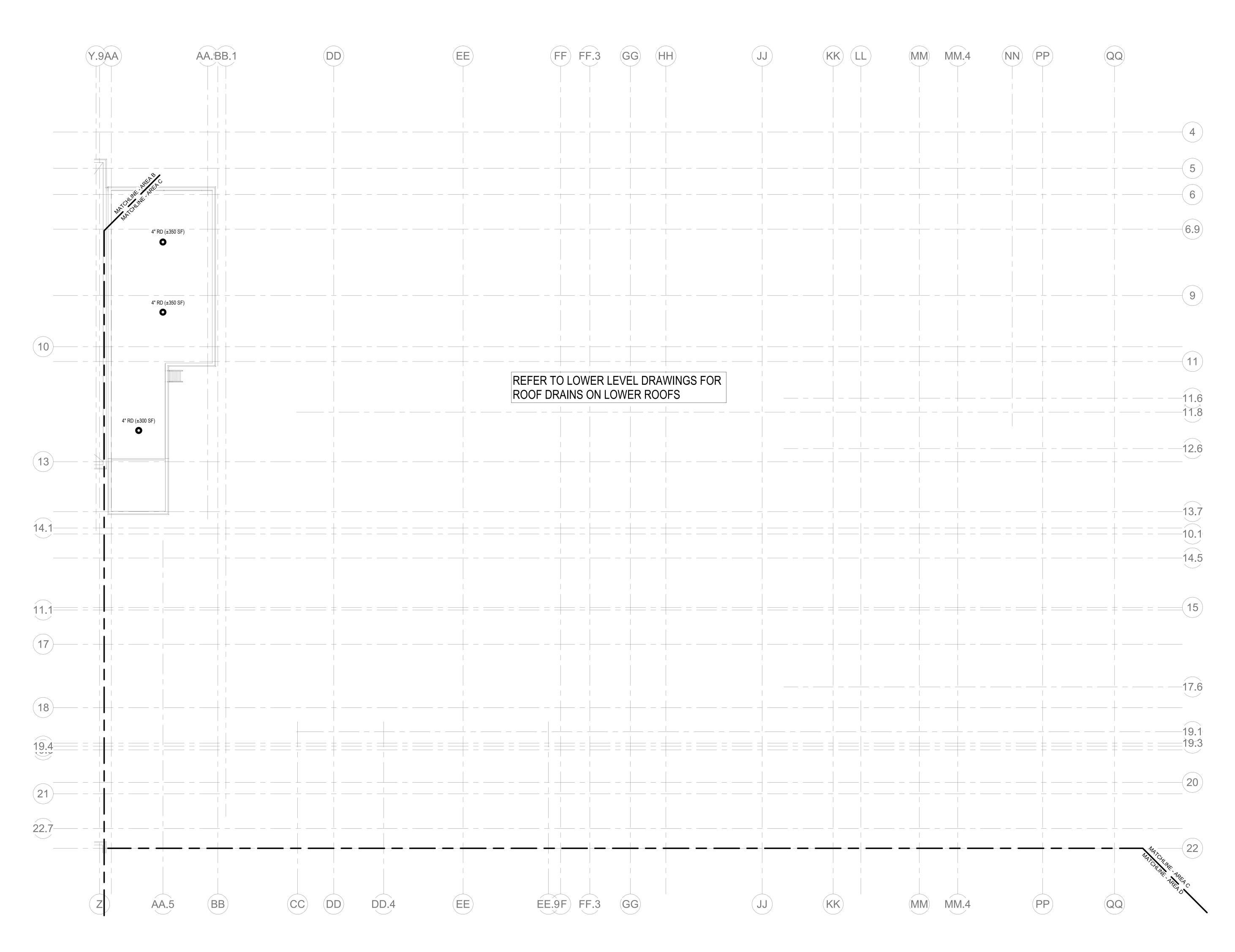


PLUMBING ROOF PLAN - AREA B

Scale: 1/8" = 1'-0" Drawn By: Author

P1-2-1B

SCOPE NOTES: SECONDARY ROOF DRAINAGE IS NOT REQUIRED ON THE BASIS THAT THE ROOF STRUCTURE IS CAPABLE OF HANDLING THE MAXIMUM PONDING.



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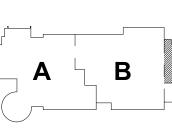
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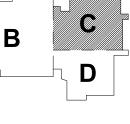
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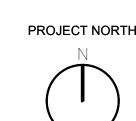
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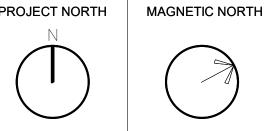
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**KEY PLAN** 





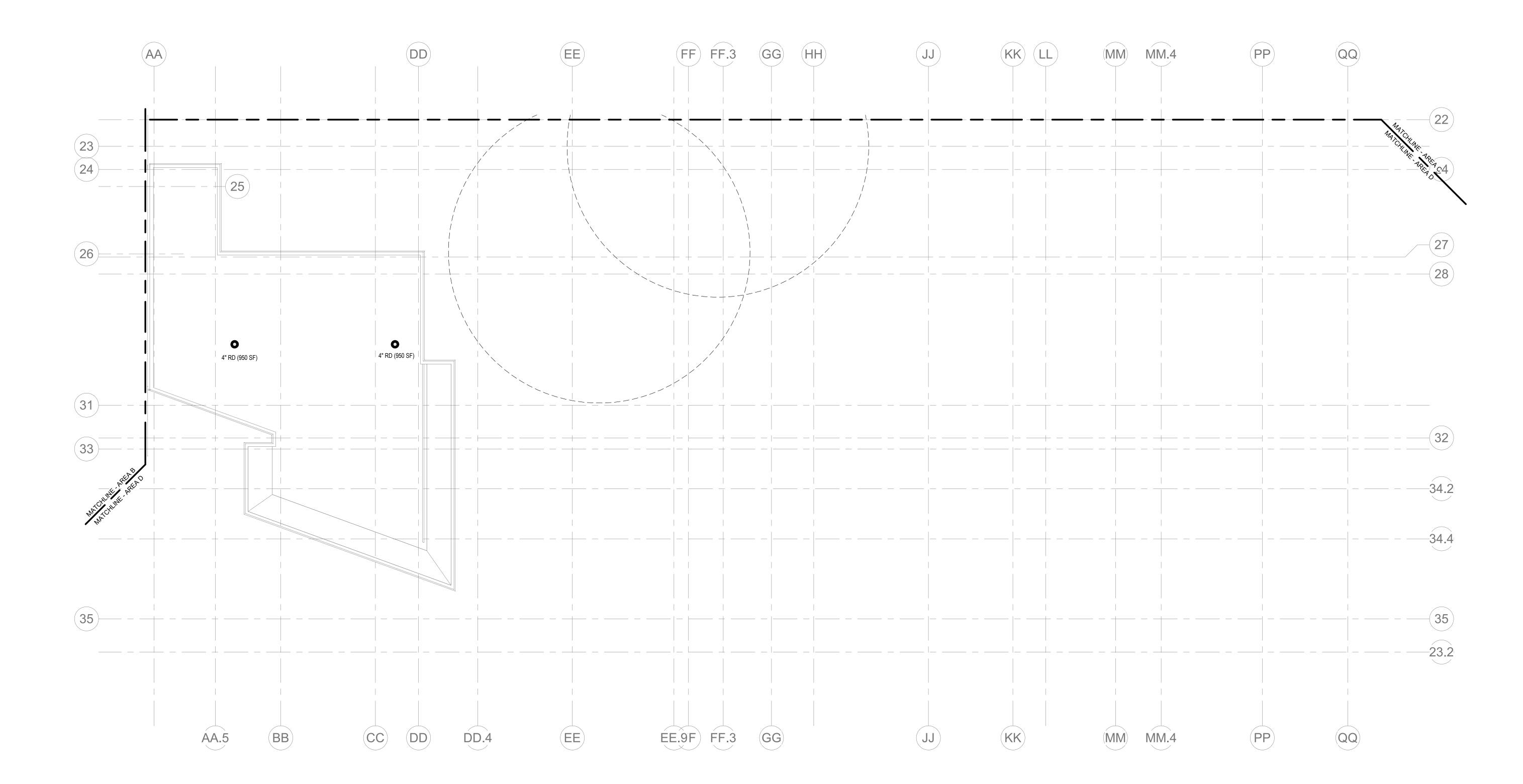
PLUMBING ROOF PLAN - AREA C

Scale: 1/8" = 1'-0" Drawn By: Author

P1-2-1C

P1-2-1C) 1/8" = 1'-0"

SCOPE NOTES: SECONDARY ROOF DRAINAGE IS NOT REQUIRED ON THE BASIS THAT THE ROOF STRUCTURE IS CAPABLE OF HANDLING THE MAXIMUM PONDING.



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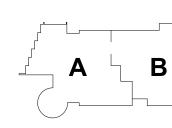
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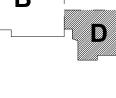
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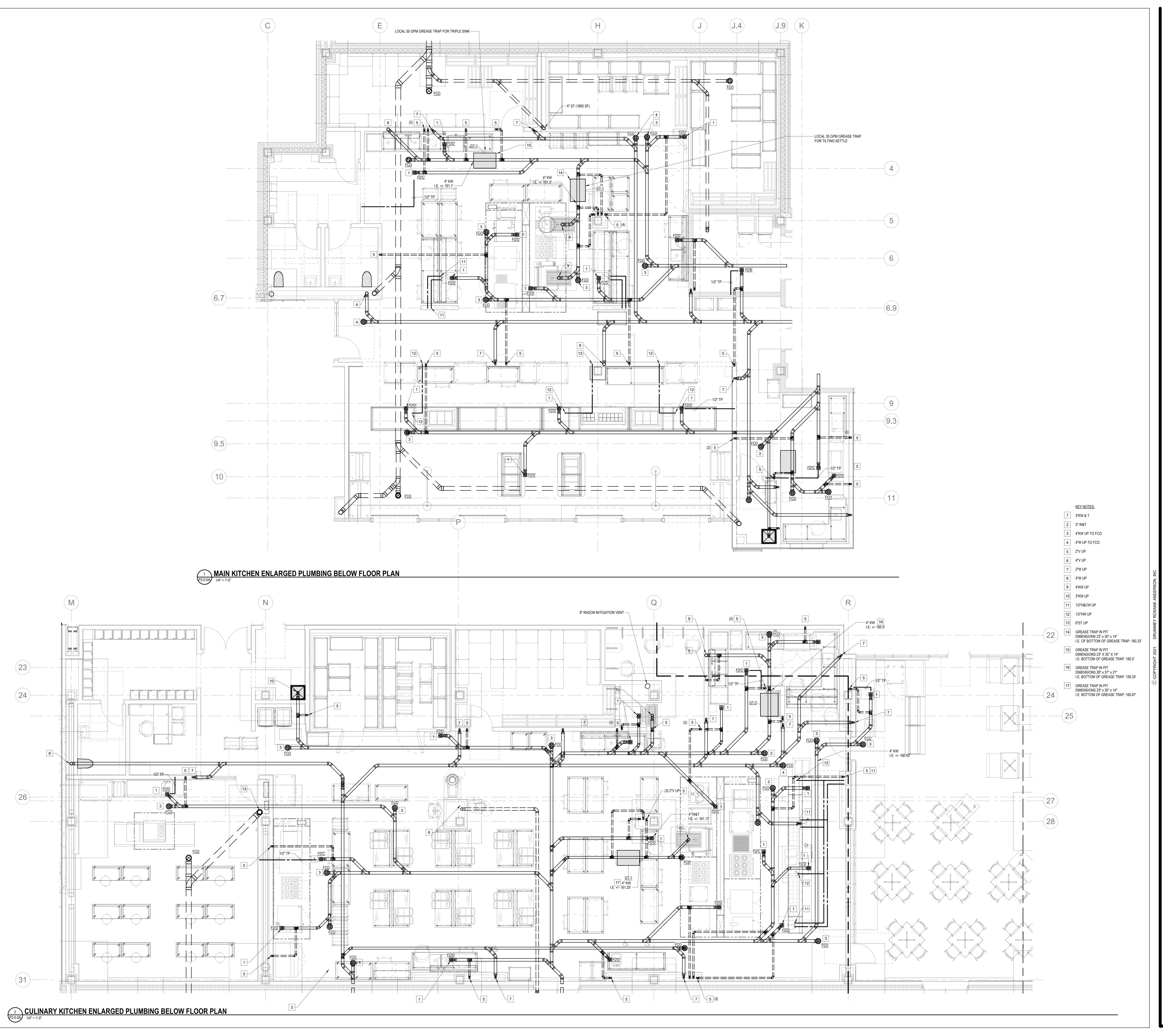
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PLUMBING ROOF **PLAN - AREA D** 

Scale: 1/8" = 1'-0" Drawn By: Author

P1-2-1D



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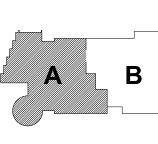
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KEY PLAN

KEY PLAN

NORTH MAGNETIC NORTH



PLUMBING BELOW FLOOR

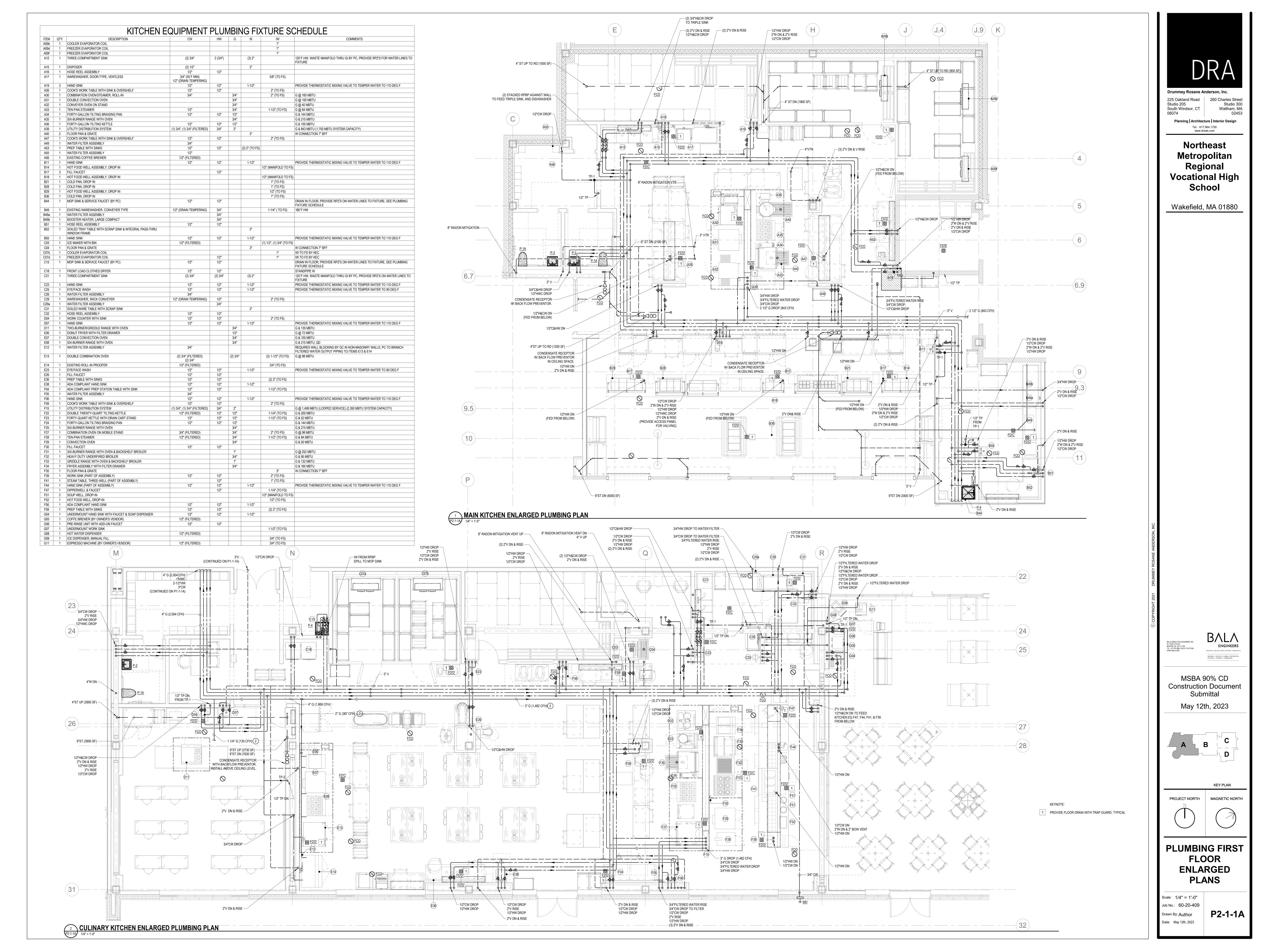
ENLARGED PLANS

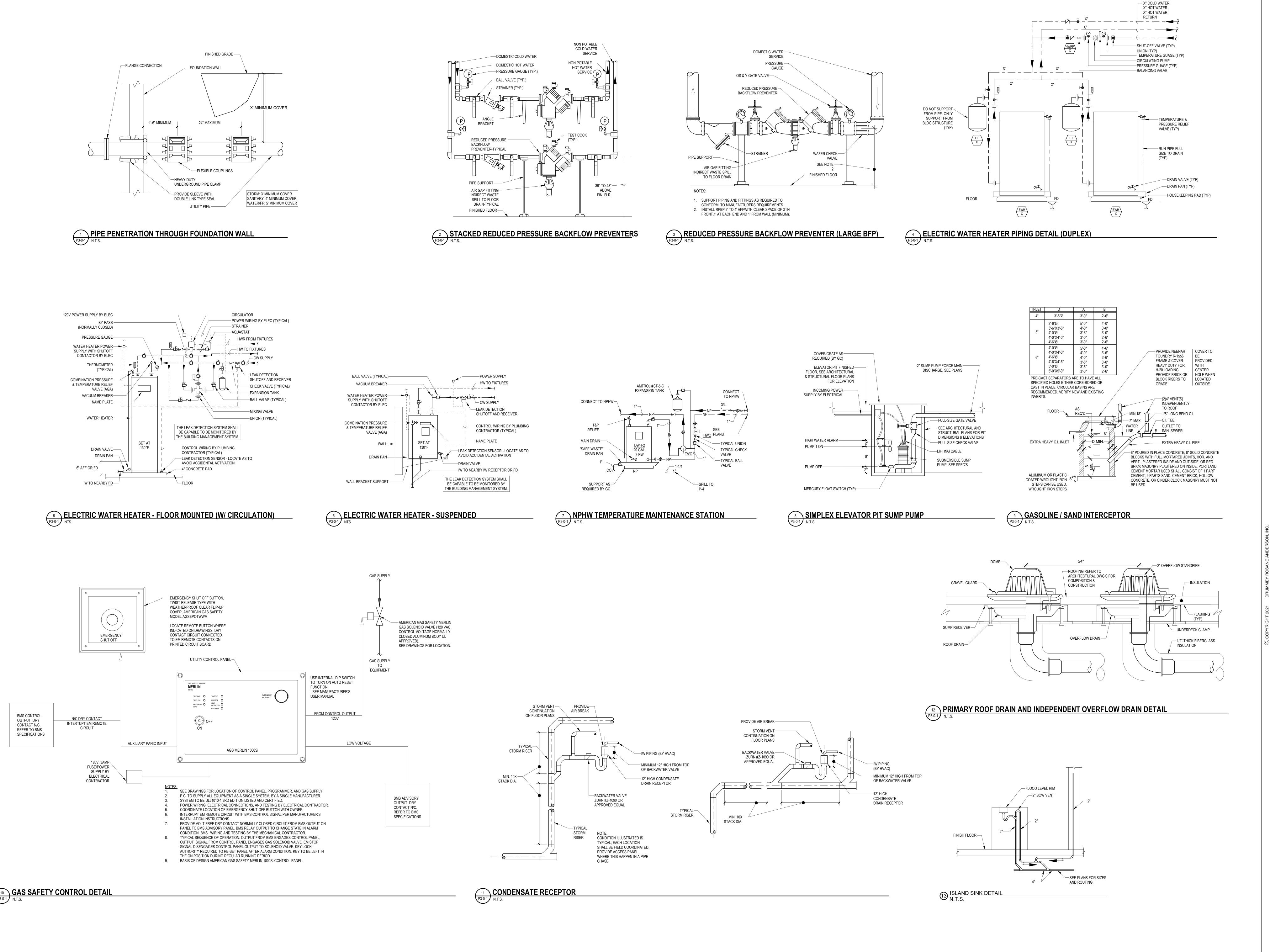
Scale: 1/4" = 1'-0"

Job No.: 60-20-409

Drawn By: Author

P2-0-0A







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PLUMBING DETAILS SHEET

Scale: As indicated

Job No.: 60-20-409

Drawn By: DRA

P3-0-1

	PLUMBING GREASE TRAP SCHEDULE										
NO.	MANUFACTURER	MODEL	GREASE CAPACITY (LBS)	FLOW RATE (GPM)	REMARKS						
GT-1	SCHIER	GB2	130.5/127.6 LBS	35/50 GPM	LOCAL GREASE TRAP FOR USE IN KITCHENS						
GT-2	SCHIER	GB3	272/176 LBS	50/75 GPM	LOCAL GREASE TRAP FOR USE IN KITCHENS						

	PLUMBING THERMOSTATIC MIXING VALVE SCHEDULE											
NO.	MANUFACTURER	MODEL	LOCATION	GPM	SYSTEM PRESSURE DROP (PSI)	REMARKS						
TMV-1	LEONARD	TM-820B-LF-DT	LOWER LEVEL PART C	40	10							
TMV-2	LEONARD	TM-820B-LF-DT	MEZZANINE PART B	40	10							
TMV-3	LEONARD	TM-820B-LF-DT	MEZZANINE PART A	40	10							
TMV-4	LEONARD	TM-920B-LF-DT	SECOND FLOOR PART A	63	20							
TMV-5	LEONARD	AT-LF	1ST FLOOR ADMIN WING									
TMV-6	LEONARD		ELECTRICAL SHOP									
TMV-7	LEONARD	TM-26-LF	CONCESSIONS BUILDING	10	10							
TMV-8	LEONARD	TM-26-LF	LOCKER ROOM BUILDING	10	10							

	PL	UMBIN	G HOT WATE	ER F	RET	URN	PL	JMP	SCI	HEDULE	
NO	MANUICACTUDED	MODEL	LOCATION	LOCATION	CDM	TDH	PUMP	EL	ECTRIC	AL	DEMARKS
NO.	MANUFACTURER	MODEL	LOCATION	GPIVI	GPM (FT)		V	PH	HZ	REMARKS	
HWRP-1	TACO	#113SS	LOWER LEVEL PART C			1/8	120	1	60		
HWRP-2	TACO	#113SS	MEZZANINE PART B			1/8	120	1	60		
HWRP-3	TACO	#113SS	MEZZANINE PART A			1/8	120	1	60		
HWRP-4	TACO	#113SS	SECOND FLOOR PART A			1/8	120	1	60		
HWRP-5	TACO	#0014SS	1ST FLOOR ADMIN WING			1/8	120	1	60		
HWRP-6	TACO		ELECTRICAL SHOP								
HWRP-7	TACO	#0014SS	CONCESSIONS BUILDING			1/8	120	1	60		
HWRP-8	TACO	#0014SS	LOCKER ROOM BUILDING			1/8	120	1	60		

	PLUMBING EXPANSION TANK SCHEDULE										
NO.	MANUFACTURER	MODEL	LOCATION	MAX ACCEPT. VOLUME (GAL)	TOTAL VOLUME (GAL)	SYSTEM CONNECTION					
ET-1	AMTROL	ST-180V-C	LOWER LEVEL PART C	34.0	77.0	1 1/4"					
ET-2	AMTROL	ST-80V-C	MEZZANINE PART B	11.3	34.0	3/4"					
ET-3	AMTROL	ST-42V-C	MEZZANINE PART A	11.3	17.5	3/4"					
ET-4	AMTROL	ST-180V-C	SECOND FLOOR PART A	34.0	77.0	1 1/4"					
ET-5	AMTROL	ST-5V-C	1ST FLOOR ADMIN WING	0.9	2.1	3/4"					
ET-6	AMTROL		ELECTRICAL SHOP								
ET-7	AMTROL	ST-5V-C	CONCESSIONS BUILDING	0.9	2.1	3/4"					
ET-8	AMTROL	ST-42V-C	LOCKER ROOM BUILDING	11.3	17.5	3/4"					

DO NOT SUPPORT TANK FROM PIPING. ONLY SUPPORT TANK FROM BUILDING STRUCTURE.

NO.	FIXTURE	MANUFACTURER	FAUCET/FLUSH	CARRIER / SUPPORT	MISC.
P-1	WATER CLOSET	TOTO #CT708U	VALVE TOTO #TET1LA32CP	WALL MOUNTED	1.28 GPF
P-1A	WATER CLOSET	TOTO #CT708U	TOTO #TET1LA32CP	WALL MOUNTED	1.28 GPF, ACCESSIBLE
P-2	URINAL	TOTO #UT105U	TOTO #TEU1UA12CP	WALL MOUNTED	0.125 GPF
P-2A	URINAL	TOTO #UT105U	TOTO #TEU1UA12CP	WALL MOUNTED	0.125 GPF, ACCESSIBLE
P-3A	WALL MOUNTED LAVATORY	AMERICAN STANDARD DECORUM #9024001EC.20	SLOAN #EAF-275-SOL-ISM-CP-0.35 GPM-MLM-IR-IQ-FCT	WALL MOUNTED	0.35 GPM FAUCET, PROVIDE THERMOSTATIC MIXING VALVE
P-3B	BASIN TYPE LAVATORY	BRADLEY #WF2704-TMA	INTEGRAL	FLOOR MOUNTED	54" SEMI CIRCULAR, FOOT ACTIVATED FAUCET, INTEGRAL THERMOSTATIC MIXING VALVE
P-3C	RESTROOM LAVATORY	BRADLEY #MG-2-TMA LAVATORY SYSTEM	INTEGRAL	WALL MOUNTED	0.35 GPM FAUCET, INTEGRAL THERMOSTATIC MIXING VALVE
P-3D	CIRCULAR LAVATORY	BRADLEY #WF2708-TMA	INTEGRAL	FLOOR MOUNTED	54" CIRCULAR, FOOT ACTIVATED FAUCET, INTEGRAL THERMOSTATIC MIXING VALVE
P-4	MOP SINK	STERN WILLIAMS #902-SB	CHICAGO #445-897SRCXKCP		
P-5	DRINKING FOUNTAIN	ELKAY LVRCDWSK	N/A	WALL MOUNTED	120V POWER CONNECTION REQUIRED
P-5A	OUTDOOR DRINKING FOUNTAIN	ELKAY	N/A		
P-6	SHOWER	SYMMONS 9606-PLR-1.5-L5-L6-X	INTEGRAL SHOWER VALVE		1.5 GPM SHOWERHEAD, SHOWER BASE BY ARCHITECT, DRAIN BY PC
P-6A	SHOWER ADA	SYMMONS 9606-PLR-1.5-L5-L6-X	INTEGRAL SHOWER VALVE		PROVIDE ACCESSIBLE GRAB BAR AND HAND SHOWER SHOWER BASE BY ARCHITECT, DRAIN BY PC
P-7	EMERGENCY EYEWASH/SHOWER STATION	GUARDIAN #G1950		FREE STANDING	PROVIDE LOCAL MIXING VALVE TO TEMPER WATER
P-8	EMERGENCY EYEWASH/SHOWER STATION	GUARDIAN #GBF2250		RECESSED IN WALL	INCLUDES LOCAL MIXING VALVE AND ACCESS PANEL
P-8A	EMERGENCY EYEWASH/SHOWER STATION	GUARDIAN #GBF2250		RECESSED IN WALL	FED FROM TEMPERED WATER SYSTEM IN SCIENCE ROOMS
P-9	EMERGENCY EYEWASH	GUARDIAN #GBF1735DP-G6020		RECESSED IN WALL	INCLUDES LOCAL MIXING VALVE
P-10	UTILITY SINK	ELKAY EWSF130261	ELKAY LKB721C-LK723	WALL HUNG	INCLUDES THERMOSTATIC MIXING VALVE
P-11	HAND SINK	ELKAY CHS1716LRSSACC	INTEGRAL	WALL HUNG	
PX-1	CASEWORK SINK	FURNISHED BY OTHERS	FURNISHED BY OTHERS		
PX-2	CASEWORK SINK WITH EYEWASH	FURNISHED BY OTHERS	FURNISHED BY OTHERS		
PX-3	COSMETOLOGY SINK	FURNISHED BY OTHERS	FURNISHED BY OTHERS		PROVIDE HAIR TRAP
PX-4	SCIENCE ROOM SINK	FURNISHED BY OTHERS	FURNISHED BY OTHERS		PROVIDE LAB WASTE & VENT PIPING, NON POTABLE WATER
PX-5	LAB SINK	FURNISHED BY OTHERS	FURNISHED BY OTHERS		
PX-6	DENTAL STATION	FURNISHED BY OTHERS	FURNISHED BY OTHERS		PROVIDE COMPRESSED AIR, VACUUM, WATER, WAST AND VENT

	F	PLUMBI	NG FI	XTURE	CON	NECTION SCHEDULE
FIXT. DESIG.	FIXTURE	S/W	V	CW	HW	REMARKS
P-1	WATER CLOSET	4"	3"	1"	-	
P-1A	WATER CLOSET	4"	3"	1"	-	ACCESSIBLE
P-2	URINAL	3"	2"	3/4"	-	
P-2A	URINAL	3"	2"	3/4"	-	ACCESSIBLE
P-3	LAVATORY	1 1/2"	1 1/2"	1/2"	1/2"	
P-3B	WASH FOUNTAIN	2	1 1/2"	1"	1"	
P-3C	LAVATORY	1 1/2"	1 1/2"	1/2"	1/2	
P-3D	WASH FOUNTAIN	2	1 1/2"	1"	1"	
P-4	MOP RECEPTOR	3"	2"	1/2"	1/2"	
P-4A	MOP RECEPTOR	3"	2"	1/2"	1/2"	
P-5	ELECTRIC WATER COOLER	1 1/2"	1 1/2"	1/2"		
P-5A	OUTDOOR DRINKING FOUNTAIN	1 1/2"	1 1/2"	1/2"		
P-6	SHOWER	3"	2"	1/2"	1/2"	
P-6A	SHOWER (ACCESSIBLE)	3"	2"	1/2"	1/2"	
P-7	EMERGENCY SHOWER/EYEWASH	1 1/2"	1 1/2"	1 1/2"	1 1/2"	PROVIDE LOCAL MIXING VALVE TO TEMPER WATER TO 90F
P-8	EMERGENCY SHOWER/EYEWASH	1 1/2"	1 1/2"	1 1/2"	1 1/2"	PROVIDE LOCAL MIXING VALVE TO TEMPER WATER TO 90F
P-8A	EMERGENCY SHOWER/EYEWASH	1 1/2"	1 1/2"	1 1/2"	-	PROVIDE TEMPERED WATER CONNECTION
P-9	EMERGENCY EYEWASH	-	-	1/2"	1/2"	PROVIDE LOCAL MIXING VALVE TO TEMPER WATER TO 90F
P-10	UTILITY SINK	1 1/2"	1 1/2"	1/2"	1/2"	
P-11	HAND SINK	1 1/2"	1 1/2"	1/2"	1/2"	
PX-1	CASEWORK SINK	1 1/2"	1 1/2"	1/2"	1/2"	
PX-2	CASEWORK SINK W/ EYEWASH	1 1/2"	1 1/2"	1/2"	1/2"	PROVIDE EYEWASH STATION WITH SINK
PX-3	COSMETOLOGY SINK	1 1/2"	1 1/2"	1/2"	1/2"	PROVIDE HAIR TRAP - JR SMITH 8750 - AT EACH SINK
PX-4	SCIENCE ROOM SINKS	1 1/2"	1 1/2"	1/2"	1/2"	PROVIDE ACID WASTE AND VENT, AND NON POTABLE CW & HW
PX-5	LAB SINKS	1 1/2"	1 1/2"	1/2"	1/2"	
PX-6	DENTAL STATION	1 1/2"	1 1/2"	1/2"	-	PROVIDE COMPRESSED AIR AND VACUUM
PX-7	SHAMPOO STATION	1 1/2"	1 1/2"	1/2"	1/2"	PROVIDE HAIR TRAP - JR SMITH 8750 - AT EACH SINK

	PLUMBING DRAIN SCHEDULE															
NO. DESCRIPTION		MANUFACTURER	MODEL NO.		BODY			ТОР						REMARKS		
110.	DEGORII HON	MANOTACTORER	WODEL NO.	CI	GALV	/ BR	ARC	SS	PP	GALV	PB	NB	CI	SS	PP	KLINAKKO
FD'A'	FLOOR DRAIN	JR SMITH	2005-B-PB-U-P	•								•				TOILET ROOMS / GENERAL AREA
FD'B'	FLOOR DRAIN	JR SMITH	2230-Y-U-G	•									•			MECHANICAL ROOM INCLUDE TRAP PRIMER CONNECTION AND TRAP PRIMER PPPINC # PRO1-500
FD'C'	FLOOR DRAIN	JR SMITH	FIG 3101	•									•			FULL GRATE, ACID RESISTANT COATED INTERIOR SUITABLE FOR KITCHEN APPLICATIONS
FD'D'	FLOOR DRAIN	JR SMITH	FIG 3101-12-U	•									•			HALF GRATE, ACID RESISTANT COATED INTERIOR SUITABLE FOR KITCHEN APPLICATIONS
FD'E'	FLOOR DRAIN	JR SMITH	FIG 3610-Y-B	•									•			PROVIDE FUNNEL DRAIN FOR USE IN PLUMBING SHOP INCLUDE TRAP PRIMER CONNECTION
TD	TRENCH DRAIN	JR SMITH	FIG 9660					•						•		CENTER BOTTOM OUTLET, PROVIDE MODULAR SECTIONS IN CONJUNCTION WITH TRENCH DRAIN WIDTH
	CI=	=CAST IRON GALV=GALVANIZED	BR=BRASS ARC=ACID RES	SISTANT	COATIN	IG SS=S	STAINLE	ESS S1	TEEL F	P=POLYF	PROPY	LENE	PB=PO	LISHE	D BRA	SS OR BRONZE NB=NICKEL BRONZE

	F	PLUMBING SP	ECIALTY SO	CHEDULE
NO.	ITEM	MANUFACTURER	MODEL	REMARKS
BFP-1	BACKFLOW PREVENTER	WATTS	LF909-FS	PROVIDE ON 6" SERVICE ENTRY
BFP-2	BACKFLOW PREVENTER	WATTS	LF009-FS	PROVIDE ON 1" MAKE UP WATER
BWV-1	BACKWATER VALVE	ZURN	Z-1090	FOR CONDENSATE RECEPTORS AND SCUPPER DRAINS
НВ	HOSE BIBB	CHICAGO	#952 OR #998	952 - CONCEALED PIPING, 998 - EXPOSED PIPING
RH-1	ROOF HYDRANT	WOODFORD	SRH-MS	FREEZELESS (NO DRAIN LINE REQUIRED)
TP-1	TRAP PRIMER	PRECISION PLUMBING PRODUCTS	PRO1-500	ONE DRAIN UNIT, INSTALL ABOVE CEILING, FLOW TYPE
TP-2	TRAP PRIMER	PRECISION PLUMBING PRODUCTS	MP-500	120V ELECTRONIC TRAP PRIMER
TP-3	TRAP PRIMER	PRECISION PLUMBING PRODUCTS	P1-500	PRESSURE DROP TYPE TRAP PRIMER
WH	WALL HYDRANT	WOODFORD	B65	NON FREEZE TYPE
WM-1	WATER METER	NEPTUNE	TRU/FLO 4"	PROVIDE AT SERVICE ENTRY
WM-2	WATER METER	NEPTUNE	TRU/FLO 2"	PROVIDE AT COSMETOLOGY WATER HEATERS
WM-3	WATER METER	NEPTUNE	TRU/FLO 3"	PROVIDE AT AREA C WATER HEATERS
WM-4	WATER METER	NEPTUNE	TRU/FLO 3"	PROVIDE AT AREA A WATER HEATERS
WM-5	WATER METER	NEPTUNE	TRU/FLO 2"	PROVIDE AT NPHW WATER HEATER
WM-6	WATER METER	NEPTUNE	T-10 3/4"	PROVIDE AT AREA A ADMIN WATER HEATER

	PLUMBING SUMP PUMP SCHEDULE										
NO.	MANUFACTURER	MODEL	LOCATION	ELE V	ELECTRICAL V PH HP		REMARKS				
SP-1	WEIL	1411	XX	208	3	1/2					
SP-2	WEIL	1411	XX	208	3	1/2					
SP-3	WEIL	1411	XX	208	3	1/2					

	PLUMBING DOMESTIC WATER BOOSTER PUMP SCHEDULE									
NO.	MANUFACTURER	MODEL	LOCATION	V EL	ELECTRIC V PH		ELECTRICAL V PH HP		REMARKS	
DWP-1	SYNCROFLO	PR022TX106VFD	WATER SERVICE ENTRY	480	3	(3) @ 10	TRIPLEX DOMESTIC WATER BOOSTER SYSTEM			

	TY DESCRIPTION	CW	HW	G	W	IW	COMMENTS
A09b 1 A09d 1	COOLER EVAPORATOR COIL FREEZER EVAPORATOR COIL					1"	
A09f 1	FREEZER EVAPORATOR COIL					1"	
A12 1	THREE-COMPARTMENT SINK	(2) 3/4"	2 (3/4")		(3) 2"		120°F HW, WASTE MANIFOLD THRU GI BY PC, PROVIDE RPZ'S FOR WATER LINES TIXTURE
A15 1	DISPOSER	(2) 1/2"			2"		TIXTORE
A16 1	HOSE REEL ASSEMBLY	1/2"	1/2"				
A17   1	WAREWASHER, DOOR-TYPE, VENTLESS	3/4" (55°F MIN) 1/2" (DRAIN TEMPERING)				5/8" (TO FS)	
A19 3		1/2"	1/2"		1-1/2"		PROVIDE THERMOSTATIC MIXING VALVE TO TEMPER WATER TO 110 DEG F
A26 1	COOK'S WORK TABLE WITH SINK & OVERSHELF	1/2" 3/4"	1/2"	3/4"		2" (TO FS)	C @ 160 MDT I
A30 1 A31 1	COMBINATION OVEN/STEAMER, ROLL-IN  DOUBLE CONVECTION OVEN	3/4		3/4"		2" (TO FS)	G @ 160 MBTU G @ 100 MBTU
A32 1	CONVEYER OVEN ON STAND			3/4"			G @ 40 MBTU
A33 1 A34 1	TEN-PAN STEAMER FORTY-GALLON TILTING BRAISING PAN	1/2" 1/2"	1/2"	3/4" 1/2"		· ' '	G @ 84 MBTU G & 144 MBTU
A35 1	SIX-BURNER RANGE WITH OVEN	112	172	3/4"			G & 215 MBTU
A36 1	FORTY-GALLON TILTING KETTLE	1/2"	1/2"	1/2"			G & 100 MBTU
A39 1 A40 2	UTILITY DISTRIBUTION SYSTEM  FLOOR PAN & GRATE	(1) 3/4", (1) 3/4" (FILTERED)	3/4"	2"	3"		G & 843 MBTU (1,750 MBTU SYSTEM CAPACITY) W CONNECTION 7" BFF
A47 1	COOK'S WORK TABLE WITH SINK & OVERSHELF	1/2"	1/2"		-	2" (TO FS)	
A49 1 A53 1	WATER FILTER ASSEMBLY PREP TABLE WITH SINKS	3/4" 1/2"	1/2"		(2) 2" (TO FS)		
A55 1	WATER FILTER ASSEMBLY	1/2"	1/2		(2) 2 (10 FS)		
A56 1	EXISTING COFFEE BREWER	1/2" (FILTERED)					
B11 1 B14 1	HAND SINK HOT FOOD WELL ASSEMBLY, DROP IN	1/2"	1/2"		1-1/2"	1/2" (MANIFOLD TO FS)	PROVIDE THERMOSTATIC MIXING VALVE TO TEMPER WATER TO 110 DEG F
B17 3	,		1/2"			1/2 (MANIFOLD TO F3)	
B18 1	HOT FOOD WELL ASSEMBLY, DROP IN					1/2" (MANIFOLD TO FS)	
B21 1 B28 1	COLD PAN, DROP IN COLD PAN, DROP IN					1" (TO FS) 1" (TO FS)	
B29 1	HOT FOOD WELL ASSEMBLY, DROP IN					1/2" (TO FS)	
B36 1	COLD PAN, DROP IN	4.00	1100			1" (TO FS)	DDAIN IN FLOOR PROVING PRINCE
B44   1	MOP SINK & SERVICE FAUCET (BY PC)	1/2"	1/2"				DRAIN IN FLOOR, PROVIDE RPZ'S ON WATER LINES TO FIXTURE, SEE PLUMBING FIXTURE SCHEDULE
B49 1	EXISTING WAREWASHER, CONVEYER TYPE	1/2" (DRAIN TEMPERING)	3/4"			1-1/4" ( TO FS)	180°F HW
B49a 1 B49b 1	WATER FILTER ASSEMBLY BOOSTER HEATER, LARGE COMPACT		3/4" 3/4"				
B51 1	HOSE REEL ASSEMBLY	1/2"	1/2"				
B52 1	SOILED TRAY TABLE WITH SCRAP SINK & INTEGRAL PASS-THRU				2"		
B55 1	WINDOW FRAME  HAND SINK	1/2"	1/2"		1-1/2"		PROVIDE THERMOSTATIC MIXING VALVE TO TEMPER WATER TO 110 DEG F
C03 1	ICE MAKER WITH BIN	1/2" (FILTERED)	172		,	(1) 1/2", (1) 3/4" (TO FS)	The rise in Edward in the mount of the second of the secon
C04 1	FLOOR PAN & GRATE				3"	1"	W CONNECTION 7" BFF
C07b 1	COOLER EVAPORATOR COIL FREEZER EVAPORATOR COIL		1/2"			1"	IW TO FD BY KEC IW TO FD BY KEC
C15 1	MOP SINK & SERVICE FAUCET (BY PC)	1/2"	1/2"				DRAIN IN FLOOR, PROVIDE RPZ'S ON WATER LINES TO FIXTURE, SEE PLUMBING
C18 1	FRONT LOAD CLOTHES DRYER	1/2"	1/2"				FIXTURE SCHEDULE STANDPIPE W
C21 1	THREE-COMPARTMENT SINK	(2) 3/4"	(2) 3/4"		(3) 2"		120°F HW, WASTE MANIFOLD THRU GI BY PC, PROVIDE RPZ'S ON WATER LINES TO
C23 1	HAND SINK	1/2"	1/2"		1-1/2"		FIXTURE  PROVIDE THERMOSTATIC MIXING VALVE TO TEMPER WATER TO 110 DEG F
C25 1	EYE/FACE WASH	1/2"	1/2"		1-1/2"		PROVIDE THERMOSTATIC MIXING VALVE TO TEMPER WATER TO 110 DEG F
C26 1	WATER FILTER ASSEMBLY	3/4"					
C29 1 C29a 1	WAREWASHER, RACK CONVEYER WATER FILTER ASSEMBLY	1/2" (DRAIN TEMPERING)	1/2" 3/4"			2" (TO FS)	
C31 1	SOILED WARE TABLE WITH SCRAP SINK		0/1		2"		
C32 1 D04 1	HOSE REEL ASSEMBLY WORK COUNTER WITH SINK	1/2"	1/2" 1/2"			011 /TO FO\	
D07 1	HAND SINK	1/2"	1/2"		1-1/2"	2" (TO FS)	PROVIDE THERMOSTATIC MIXING VALVE TO TEMPER WATER TO 110 DEG F
D11 1	TWO-BURNER/GRIDDLE RANGE WITH OVEN			3/4"			G & 135 MBTU
E06 1 E07 1	DONUT FRYER WITH FILTER DRAWER  DOUBLE CONVECTION OVEN			1/2" 3/4"			G @ 72 MBTU G & 100 MBTU
E08 1	SIX-BURNER RANGE WITH OVEN			3/4"			G & 215 MBTU, QD
E12 1	WATER FILTER ASSEMBLY	3/4"					REQUIRES WALL BLOCKING BY GC IN NON-MASONRY WALLS; PC TO BRANCH FILTERED WATER OUTPUT PIPING TO ITEMS E13 & E14
E13 1	DOUBLE COMBINATION OVEN	(2) 3/4" (FILTERED)		(2) 3/4"		(2) 1-1/2" (TO FS)	G @ 98 MBTU
		(2) 3/4"		( )		, , , ,	
E14 1 E23 1	EXISTING ROLL-IN PROOFER EYE/FACE WASH	1/2" (FILTERED) 1/2"	1/2"		1-1/2"	3/4" (TO FS)	PROVIDE THERMOSTATIC MIXING VALVE TO TEMPER WATER TO 90 DEG F
E26 1	FILL FAUCET	1/2"	1/2"		1 1/2		THOUBE THERIMOUTH WINNING WILVE TO TENIE ER WITTER TO 30 DEGT
E36 1	PREP TABLE WITH SINKS	1/2"	1/2"		4.4/00	(2) 2" (TO FS)	
E38 1 F04 1	ADA COMPLIANT HAND SINK  ADA COMPLIANT PREP STATION TABLE WITH SINK	1/2" 1/2"	1/2" 1/2"		1-1/2"	1-1/2" (TO FS)	
F05 1	WATER FILTER ASSEMBLY	3/4"	172			1 1/2 (1010)	
F06 1	HAND SINK	1/2"	1/2"		1-1/2"	011 /TO FO	PROVIDE THERMOSTATIC MIXING VALVE TO TEMPER WATER TO 110 DEG F
F09 1 F15 1	COOK'S WORK TABLE WITH SINK & OVERSHELF UTILITY DISTRIBUTION SYSTEM	1/2" (1) 3/4", (1) 3/4" (FILTERED)	1/2" 3/4"	2"		2" (TO FS)	G @ 1,499 MBTU (LOOPED SERVICE) (2,350 MBTU SYSTEM CAPACITY)
F22 1	DOUBLE TWENTY-QUART TILTING KETTLE	1/2" (FILTERED)	1/2"	1/2"		\ /	G & 200 MBTU
F23 1 F24 1	FORTY-QUART KETTLE WITH DRAIN CART STAND	1/2"	1/2" 1/2"	1/2"		1-1/2" (TO FS)	G & 52 MBTU G & 144 MBTU
F25 1	FORTY-GALLON TILTING BRAISING PAN SIX-BURNER RANGE WITH OVEN	I/Z	1/2	3/4"			G & 215 MBTU
F27 1	COMBINATION OVEN ON MOBILE STAND	3/4" (FILTERED)		3/4"		2" (TO FS)	G @ 98 MBTU
F28 1	TEN-PAN STEAMER	1/2" (FILTERED)		3/4"		1-1/2" (TO FS)	G & 84 MBTU
F29 1 F30 1	CONVECTION OVEN FILL FAUCET	1/2"	1/2"	3/4"			G & 50 MBTU
F31 1	SIX-BURNER RANGE WITH OVEN & BACKSHELF BROILER		·	1"			G @ 252 MBTU
F32 1 F33 1	HEAVY DUTY UNDERFIRED BROILER GRIDDLE RANGE WITH OVEN & BACKSHELF BROILER			3/4"			G & 95 MBTU G & 132 MBTU
F34 1	FRYER ASSEMBLY WITH FILTER DRAWER			3/4"			G & 160 MBTU
F35 1	FLOOR PAN & GRATE					3"	W CONNECTION 7" BFF
F39 1 F41 1	WORK SINK (PART OF ASSEMBLY)  STEAM TABLE, THREE-WELL (PART OF ASSEMBLY)	1/2"	1/2" 1/2"			2" (TO FS) 1" (TO FS)	
F41 1	HAND SINK (PART OF ASSEMBLY)	1/2"	1/2"		1-1/2"	1 (1016)	PROVIDE THERMOSTATIC MIXING VALVE TO TEMPER WATER TO 110 DEG F
F47 1	DIPPERWELL & FAUCET		1/2"			1-1/4" (TO FS)	
F51 2 F52 1	SOUP WELL, DROP-IN HOT FOOD WELL, DROP-IN					1/2" (MANIFOLD TO FS) 1/2" (TO FS)	
F56 1	ADA COMPLIANT HAND SINK	1/2"	1/2"		1-1/2"	112 (1073)	
F59 1	PREP TABLE WITH SINKS	1/2"	1/2"			(2) 2" (TO FS)	
G04 1 G05 1	UNDERMOUNT HAND SINK WITH FAUCET & SOAP DISPENSER COFFE BREWER (BY OWNER'S VENDOR)	1/2" 1/2" (FILTERED)	1/2"		1-1/2"		
G05 1 G06 1	PRE-RINSE UNIT WITH ADD-ON FAUCET	1/2" (FILTERED) 1/2"	1/2"				
G07 1	UNDERMOUNT WORK SINK					1-1/2" (TO FS)	
	HOT WATER DISPENSER	1/2" (FILTERED)					
G08 1 G09 1	ICE DISPENSER, MANUAL FILL	72 (112121123)				3/4" (TO FS)	

	PL	UMBING A	IR COMPRE	SSC	OR S	SCI	HEDULE	
NO.	MANUFACTURER	MODEL	LOCATION	ELECTRICAL			DEMARKO	
		MODEL	LOCATION	V PH		HP	REMARKS	
AC - 1	QUINCY	QSV-60	LOWER LEVEL PART C	460	3	60	AUTO COLLISION/AUTO TECH//METAL FABRICATION	
AC - 2	QUINCY	QGS-20	FIRST FLOOR PART A	460	460 3 20		CARPENTRY SHOP	
AC - 3	POWEREX	STS0502	SECOND FLOOR PART A	460	460 3 5		BIOTECH LAB	
AC - 4	QUINCY	QGS-20	FOURTH FLOOR PART B	460	460 3 20		ROBOTICS	
AC - 5	MIDMARK	P72	FOURTH FLOOR PART A	208 3 5		5	DENTAL	
			NG AIR DRYE		SCH CTRICA			
NO.	MANUFACTURER	MODEL	LOCATION	V	PH	HP	REMARKS	
AD-1	QUINCY	QPNC-297	LOWER LEVEL PART C	460	3		AUTO COLLISION/METAL FABRICATION	
AD-2	QUINCY	QPNC-83	FIRST FLOOR PART A	120	1		CARPENTRY	
	SPX FLOW	HG25	SECOND FLOOR PART A	120	1		BIOTECH	
AD-3	OI X I LOW							

	Р	LUMBING	VACUUM P	UMF	<sup>2</sup> S(	CHE	DULE
NO.	MANUFACTURER	MODEL	LOCATION	ELECTRICAL			DEMARKS
NO.			LOCATION	V	V PH HP		REMARKS
VAC-1	GLOBAL VAC	GPRS-25-P-60V	SECOND FLOOR PART A	460	3	1.5	BIOTECH LAB
VAC-2	MIDMARK	G14 (TWIN)	FOURTH FLOOR PART A	208 3 6		6	DENTAL
			H NEUTRALI		ION ECTRIC		
NO.	MANUFACTURER	MODEL	LOCATION	V	PH	HZ	REMARKS
	PRACTICAL APPLICATIONS	GDS-500-2	MEZZANINE PART A	480	3		4" LAB WASTE INLET, 4" OUTLET, 4" LAB VEN

		PLUMB	<b>ING ELECT</b>	<b>RIC W</b>	ATER H	HEA	TEF	RSC	HE	DUL	E.
	MANUFACTURER	MODEL	LOCATION	CAPACITY		ELECTRICAL					
NO.				STORAGE	GPH @ 100°F RISE	V	PH	HZ	KW	SCCR (kAIC)	REMARKS
EWH-1	PVI	DURAWATT-460 L 200A-VE	LOWER LEVEL PART C	200	370	480	3	60	90	XX	SERVES C & D WINGS, PROVIDE 120V, 1/3 HP, CIRCULATOR PUMP (CP-1)
EWH-1	PVI	DURAWATT-460 L 200A-VE	LOWER LEVEL PART C	200	370	480	3	60	90	XX	SERVES C & D WINGS, PROVIDE 120V, 1/3 HP, CIRCULATOR PUMP (CP-1)
EWH-2	PVI	DURAWATT-270 L 119A-VE	MEZZANINE PART B	119	220	480	3	60	54	XX	SERVES B WING, PROVIDE 120V, 1/2 HP, CIRCULATOR PUMP (CP-2)
EWH-2	PVI	DURAWATT-270 L 119A-VE	MEZZANINE PART B	119	220	480	3	60	54	XX	SERVES B WING, PROVIDE 120V, 1/2 HP, CIRCULATOR PUMP (CP-2)
EWH-3	AO SMITH	DSE-120	MEZZANINE PART A	119	XX	480	3	60	54	XX	SERVES NPHW FOR SCIENCE ROOMS, PROVIDE 120V, 1/2 HP, CIRCULATOR PUMP (CP-3)
EWH-4	PVI	DURAWATT-550	SECOND FLOOR PART A	300	400	480	3	60	108	XX	SERVES KITCHEN/CULINARY ARTS AND A WING, PROVIDE 120V, 1/3 HP, CIRCULATOR PUMP (CP-4)
EWH-4	PVI	DURAWATT-550	SECOND FLOOR PART A	300	400	480	3	60	108	XX	SERVES KITCHEN/CULINARY ARTS AND A WING, PROVIDE 120V, 1/3 HP, CIRCULATOR PUMP (CP-4)
EWH-5	AO SMITH	DSE-30	1ST FLOOR ADMIN WING	30	25	208	1	60	6	XX	SERVES ADMIN WING TOILET ROOMS, PROVIDE 120V, 1/8 HP, CIRCULATOR PUMP (CP-5)
EWH-6	AO SMITH	DSE-40	ELECTRICAL SHOP	40	12	208	1	60	3	XX	MOCK WATER HEATER FOR STUDENT WIRING
EWH-7	AO SMITH	DSE-30	CONCESSIONS BUILDING	30	61	208	1	60	15	XX	SERVES CONCESSION BUILDING HW DEMAND, PROVIDE 120V, 1/8 HP CIRCULATOR PUMP (CP-6)
EWH-8	AO SMITH	DSE-120	LOCKER ROOM BUILDING	119	246	480	3	60	60	XX	SERVES LOCKER BUILDING, PROVIDE 120V, 1/8 HP,



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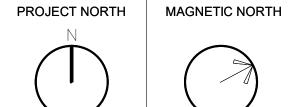
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MSBA 90% CD
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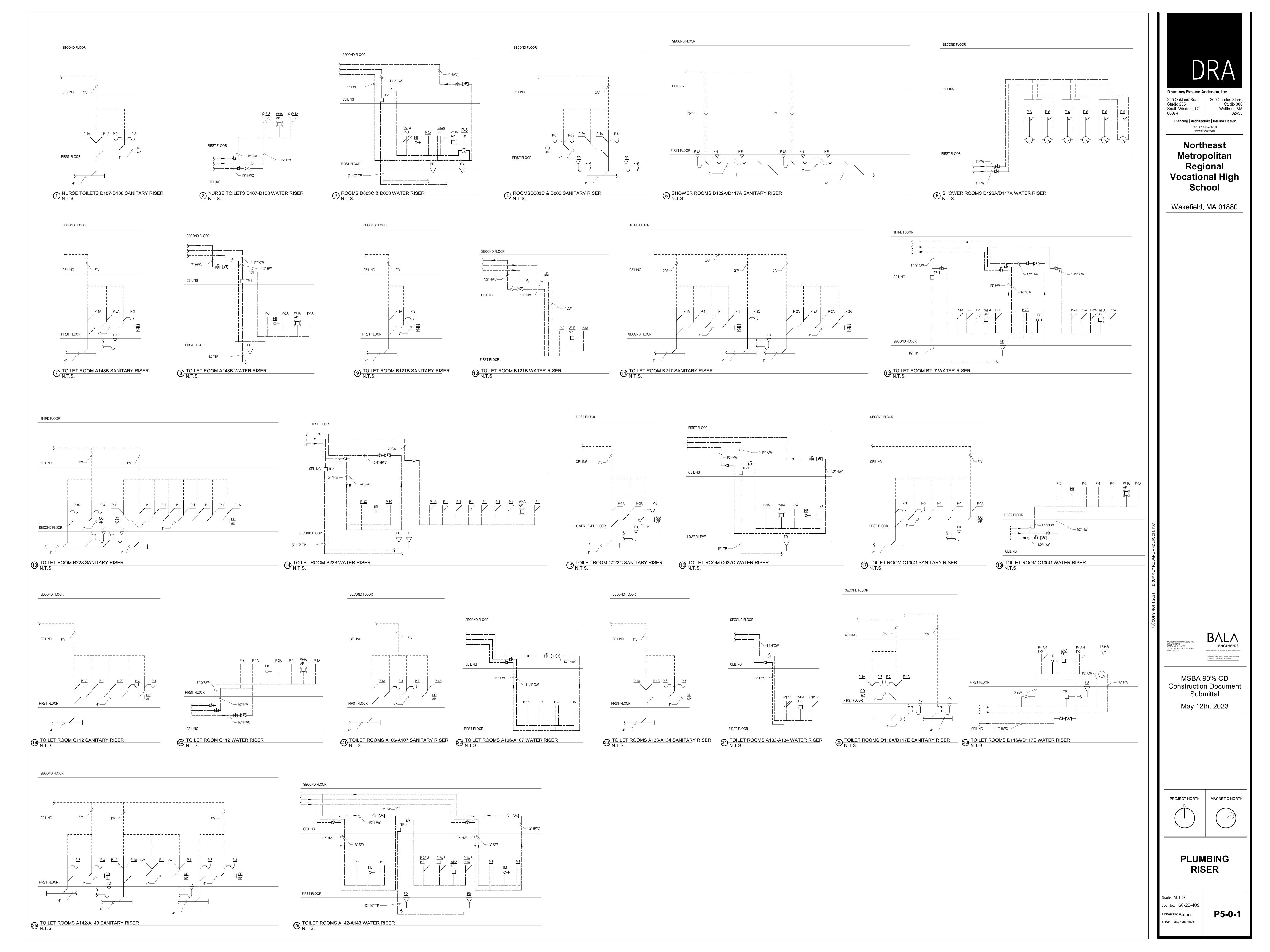
PLUMBING SCHEDULES

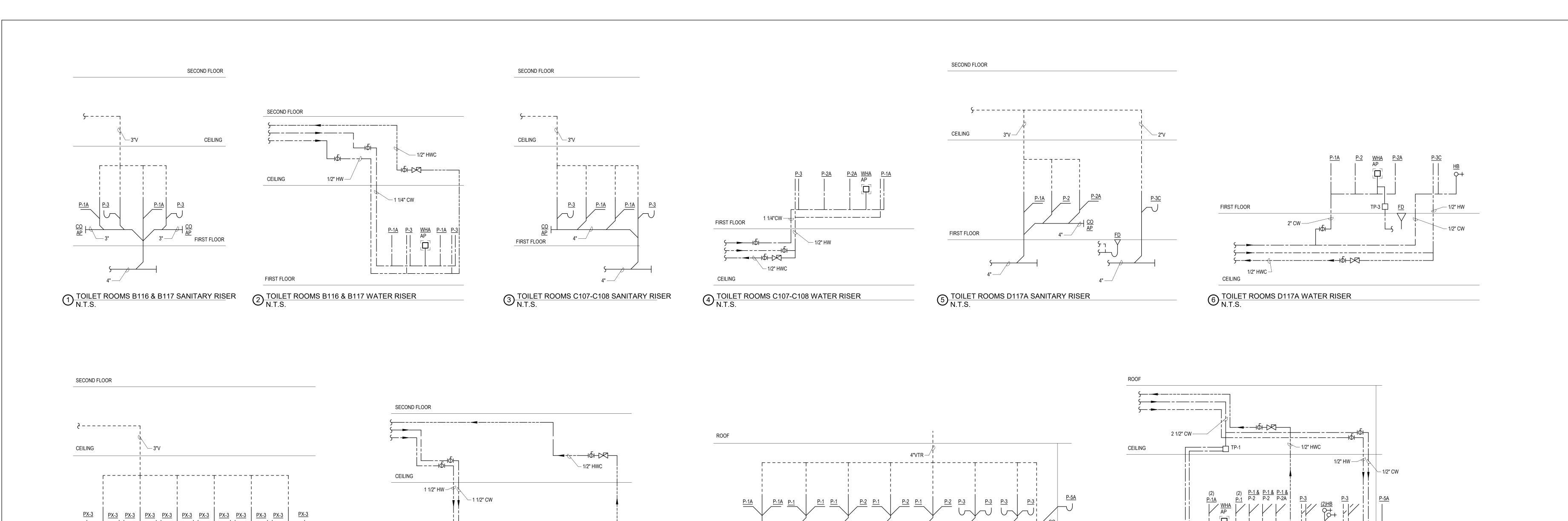
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Job No.: 60-20-409

Drawn By: DRA

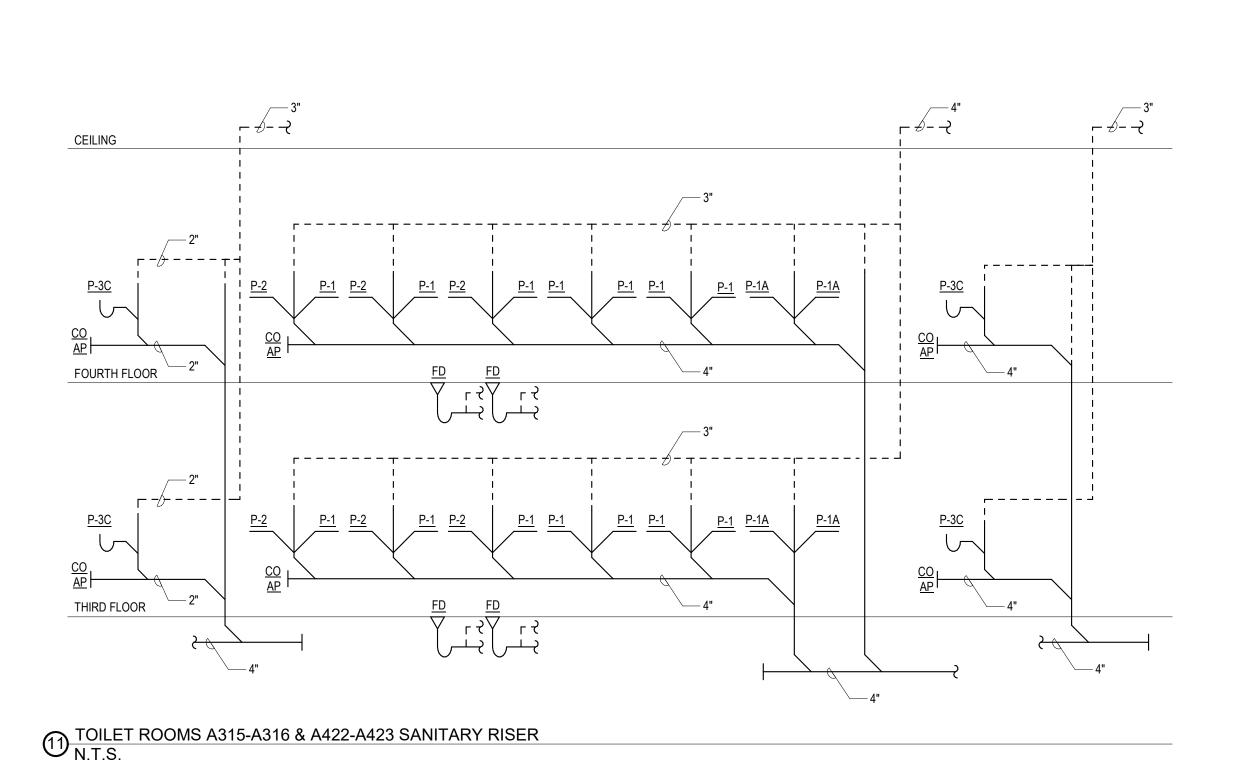
P4-0-1





1ST FLOOR

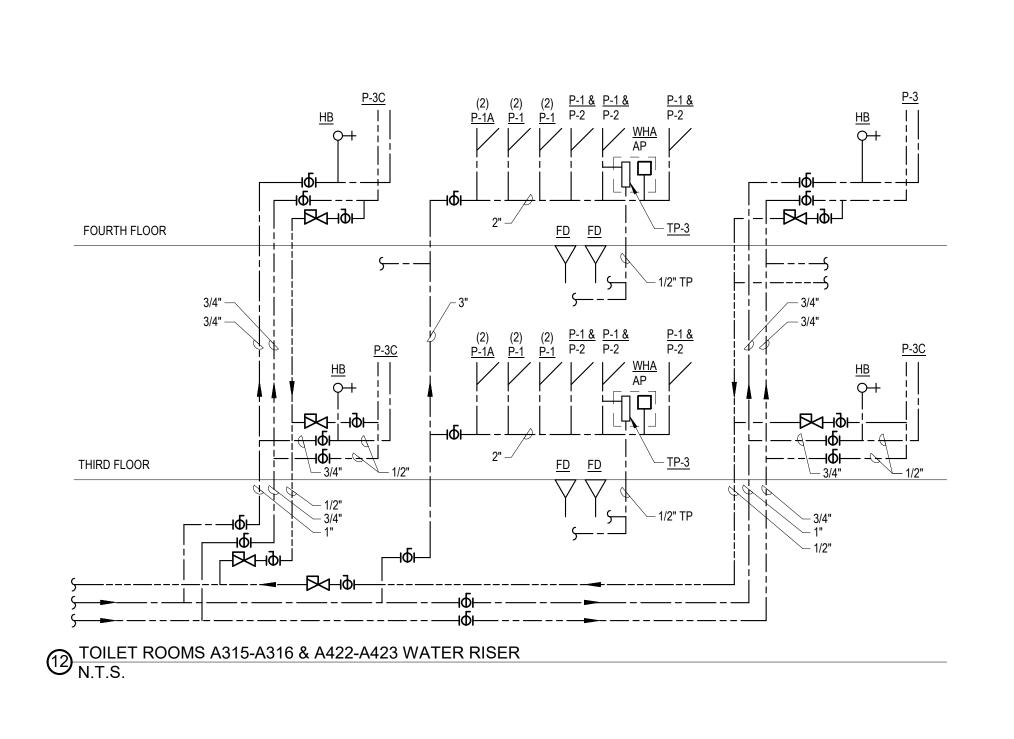
9 TOILET ROOMS CB103-CB104 SANITARY RISER N.T.S.



FIRST FLOOR

FIRST FLOOR

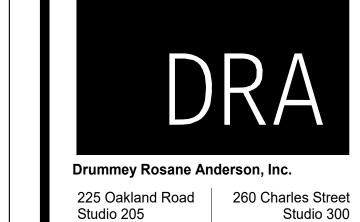
OSMETOLOGY ROOMS B120-B121 SANITARY RISER N.T.S.



1ST FLOOR

(2) 1/2" TP

10 TOILET ROOMS CB103-CB104 WATER RISER N.T.S.



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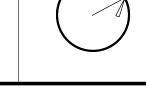
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PROJECT NORTH

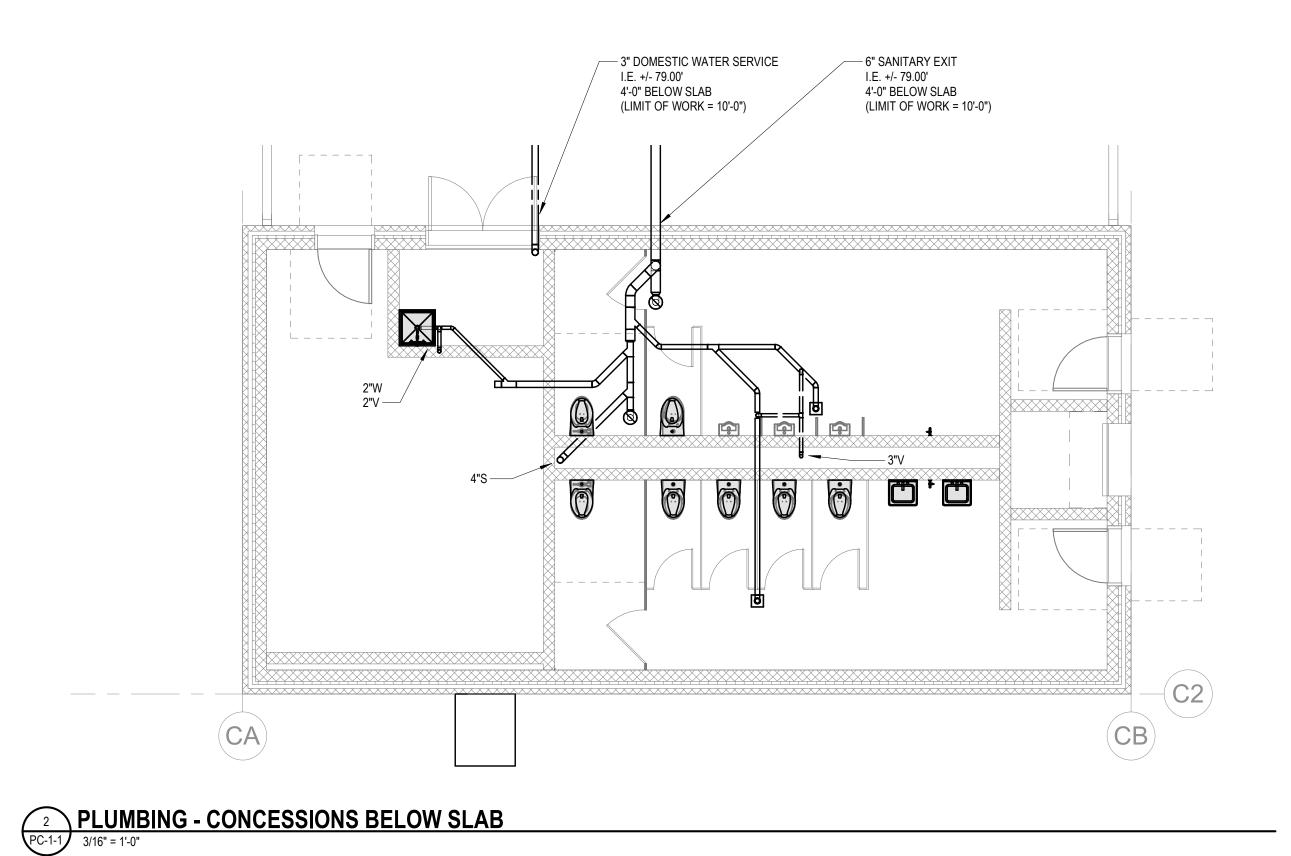
MAGNETIC NORTH

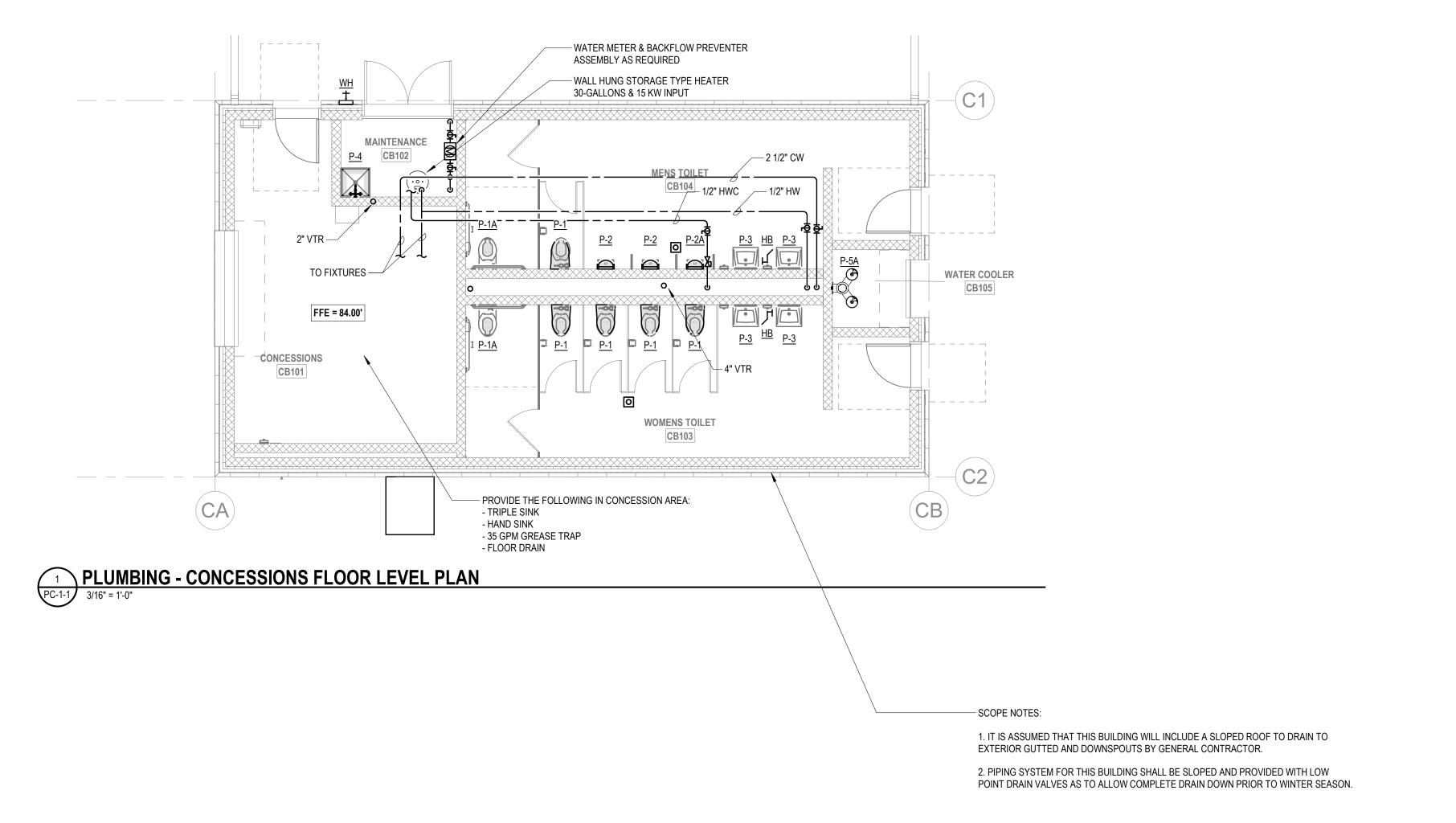


PLUMBING RISER

le: N.T.S. No.: 60-20-409 wn By: DRA

P5-0-2





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PROJECT NORTH MAGNETIC NORTH

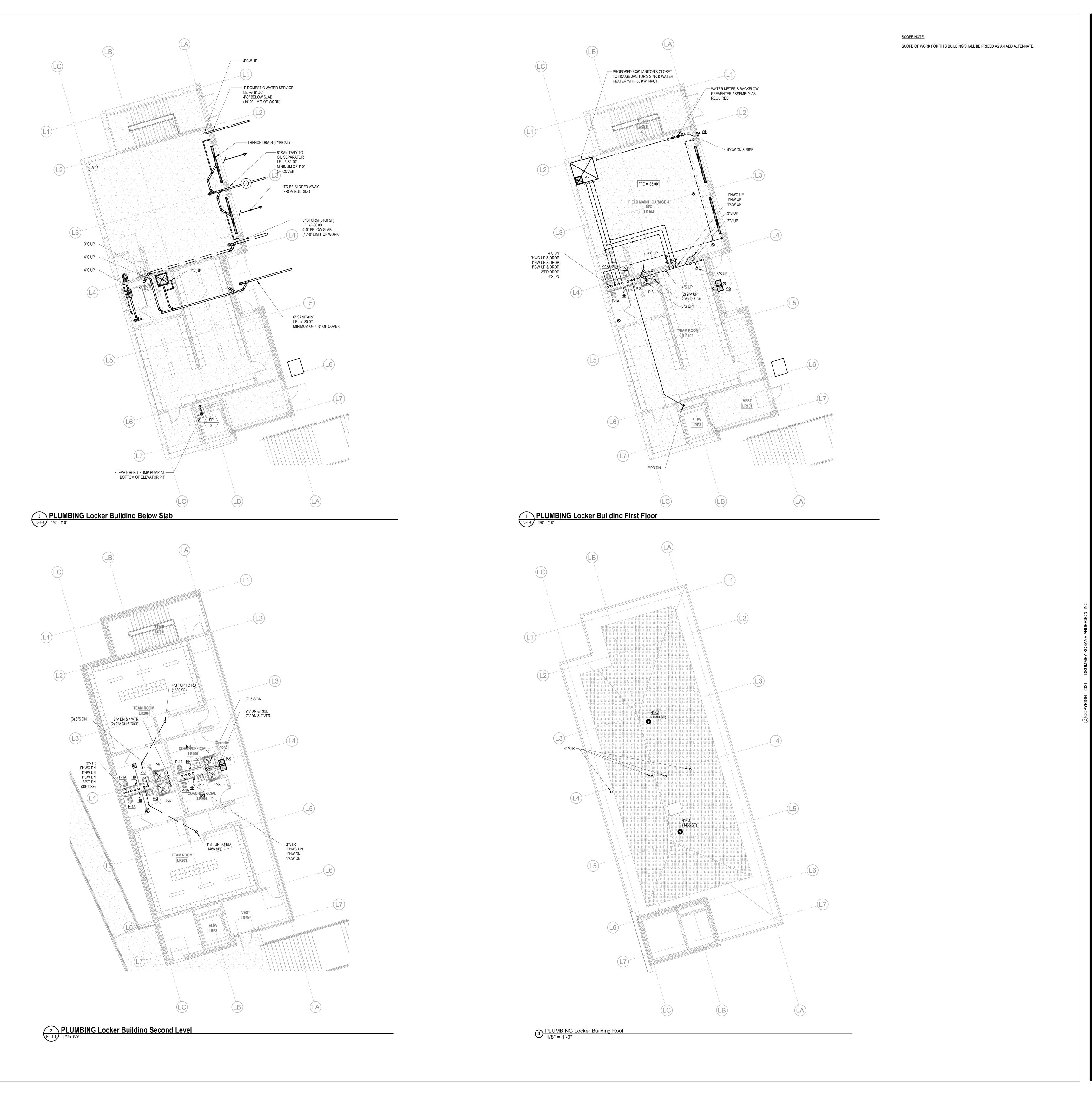
PLUMBING CONCESSIONS FLOOR LEVEL **PLAN** 

Scale: 3/16" =

1'-6"

Job No.: 60-20-409 Drawn By: Author

PC-1-1



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MSBA 90% CD **Construction Document** Submittal

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May 12th, 2023

PROJECT NORTH

MAGNETIC NORTH

**PLUMBING LOCKER BUILDING PLAN** 

Scale: 1/8" = 1'-0" Job No.: 60-20-409 Drawn By: Author

PL-1-1