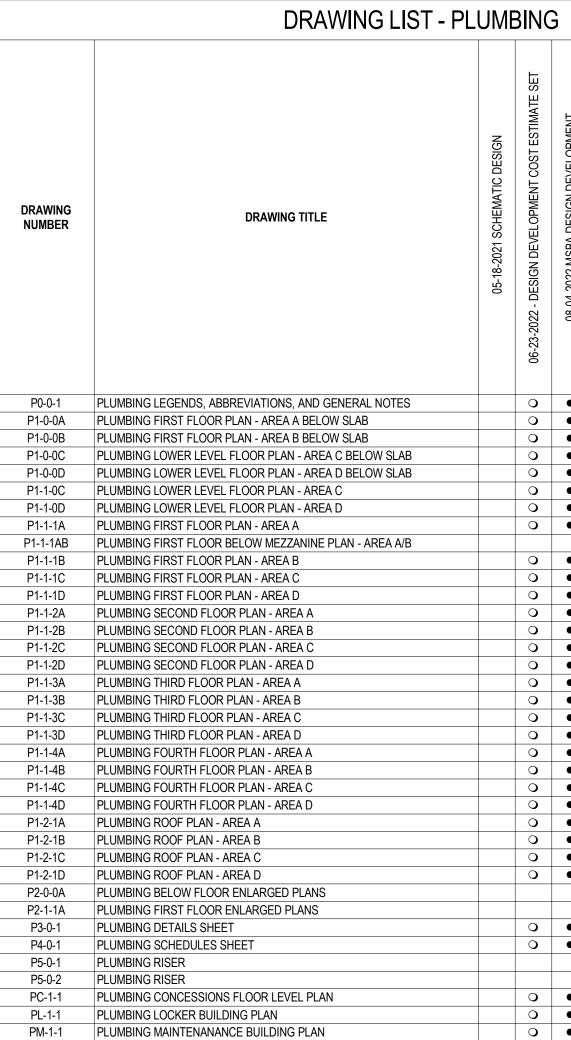


MISC	TAGS AND SYMBOLS	VALVE	ES AND ACCESSORIES	GENERAL NOTES	PLUMBING GENERAL NO
XX	KEYED NOTE		GATE VALVE	1. THE WORK TO BE DONE UNDER THESE SPECIFICATIONS AND THE DRAWINGS CONSISTS OF PROVIDING ALL EQUIPMENT, MATERIALS, LABOR AND SERVICES AND PERFORMING ALL OPERATIONS TO COMPLETE THE	1. DRAWINGS INDICATE GENERAL LOCATION OF WORK INCLUDED. PLUMBING CO LOCATION OF WORK WITH ALL OTHER TRADES. COORDINATE THE FINAL LOCA
XX	DEMOLITION NOTE		OSY VALVE FLOW CONTROL VALVE	CONSTRUCTION WORK FOR THIS PROJECT. ANY WORK NOT SPECIFICALLY COVERED BY THESE SPECIFICATI OR INDICATED ON THE CONTRACT DRAWINGS, BUT NECESSARY TO COMPLETE OR PERFECT ANY PART OF TH INSTALLATION IN A SUBSTANTIAL MANNER, SHALL BE PROVIDED WITHOUT EXTRA COST TO THE OWNER.	
	KITCHEN EQUIPMENT TAG		THERMOSTATIC MIXING VALVE SOLENOID VALVE	2. THE WORK SHALL CONFORM TO THE MORE STRINGENT OF ALL APPLICABLE CODES & REGULATIONS, UL [AND	RECOMMENDATIONS AND AUTHORITY HAVING JURISDICTION. COORDINATE A
	REVISION NUMBER X		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 INSULATE ALL PIPING BELOW ADA FIXTURES. COORDINATE COLORS WITH ARC
	DISTANCE TO FINISH FLOOR (FEET & INCHES) FROM BOTTOM OF PIPE		GAS COCK BALANCING VALVE	<ol> <li>THE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND INDICATE THE EXTENT, GENERAL CHARACTER, LOCATIC ARRANGEMENT OF THE WORK UNDER THIS CONTRACT. [EXACT LOCATIONS OF ALL COMPONENTS ARE TO BICK ARE AND AND AND AND AND AND AND AND AND AND</li></ol>	
	INDICATES CONNECT NEW TO EXISTING		PRESSURE / TEMPERATURE RELIEF VALVE	DETERMINED IN THE FIELD AND BY THE ACTUAL BUILDING CONDITIONS.] WHERE JOB CONDITIONS REQUIRE I CHANGES OR ADJUSTMENTS IN THE INDICATED LOCATIONS OR ARRANGEMENT OF THE WORK, SUCH CHANG	MINOR 5. INSTALL ISOLATION VALVES ON ALL BRANCH PIPING UNLESS OTHERWISE NOT
Cw	INDICATES LIMIT OF REMOVAL		BALL VALVE CHECK VALVE	SHALL BE PROVIDED WITHOUT EXTRA COST. THE CONTRACTOR SHALL RE-INSTALL EQUIPMENT THAT HAS INADEQUATE OR UNSAFE ACCESSIBILITY.	<ol> <li>PROVIDE WATER HAMMER ARRESTERS ON DOMESTIC WATER PIPING IN CONF DRAINAGE INSTITUTE.</li> </ol>
CW # DR #	DRAIN RISER TAG		IN-LINE STRAINER UNION	4. INSTALLATION OF WORK SHALL PROVIDE REASONABLE ACCESSIBILITY FOR OPERATION, INSPECTION AND MAINTENANCE OF EQUIPMENT AND ACCESSORIES. PROVIDE CLEARANCES REQUIRED BY MANUFACTURERS APPLICABLE CODES. ALL CEILING MOUNTED EQUIPMENT SHALL BE INSTALLED IN SUCH A MANNER THAT LIGH	AND 7. CONNECT ALL SERVICE BRANCHES TO TOP OF SERVICE MAINS WHERE POSS
# DSP #	DRY STAND PIPE RISER TAG		DRAIN VALVE	PIPING, AND DUCTWORK DO NOT BLOCK ACCESS TO EQUIPMENT AND RELATED ACCESSORIES.	8. SLOPE ALL WASTE PIPING IN CONFORMANCE WITH APPLICABLE CODES AND T
# HWR #	HOT WATER RETURN RISER TAG		FLANGED CONNECTION	<ol> <li>THE TERM "FURNISH" SHALL MEAN TO OBTAIN AND SUPPLY TO THE JOB SITE. THE TERM "INSTALL" SHALL ME FIX IN POSITION AND CONNECT FOR USE. THE TERM "PROVIDE" SHALL MEAN TO FURNISH AND INSTALL. THE "MECHANICAL WORK", "ELECTRICAL WORK", "PLUMBING WORK", ETC. SHALL MEAN ALL LABOR, MATERIAL,</li> </ol>	
HW #	HOT WATER RISER TAG		PRESSURE GAUGE	EQUIPMENT, SCAFFOLDING, RIGGING, TOOLS, SUPERVISION, SERVICES AND OTHER INCIDENTALS NECESSAR COMPLETE AND OPERABLE INSTALLATION.	
G #	NATURAL GAS RISER TAG		PRESSURE GAUGE WITH COCK	6. THE CM/GC SHALL MAKE SETS OF THE BID DOCUMENTS CONSISTING OF COMPLETE SETS OF DRAWINGS AND SPECIFICATIONS; AND ISSUE THEM TO EACH OF THE PRIME AND SUB-CONTRACTORS. EVERY PRIME AND SUB	3-
RWC #	RAIN WATER CONDUCTOR TAG	<u>}Ψ</u>   <u>}</u>  '	THERMOMETER CLEAN OUT	CONTRACTOR ON EACH BIDDING TEAM SHALL RECEIVE COMPLETE SETS OF DRAWINGS AND SPECIFICATIONS. THERE ARE NOTES AND CROSS REFERENCES FOR VARIOUS TRADE CONTRACTORS IN MUL TRADE OR DISCIPLINE DRAWINGS AND SPECIFICATIONS, THUS, EACH CONTRACTOR IS TO RECEIVE COMPLET	
S #	SANITARY STACK TAG		FLOOR OR GROUND CLEAN OUT	SETS OF THE BID DOCUMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THESE DRAWINGS FRO CM/GC. EACH CONTRACTOR IS RESPONSIBLE FOR THEIR WORK, AS NOTED ON THE OTHER DISCIPLINE	
SP #	SPRINKLER RISER TAG		STACK CLEAN OUT	DOCUMENTS.         BIDDERS ARE RESPONSIBLE FOR ALL COSTS FOR EACH SET OF BID DOCUMENTS REQUESTED.           7.         CONTRACTOR IS RESPONSIBLE FOR PROVIDING A FULL COORDINATION EFFORT IN ORDER TO CREATE A FIN/	
	VENT STACK TAG		CLEAN OUT @ GRADE BACK WATER VALVE	COORDINATED LAYOUT OF ALL EQUIPMENT, SYSTEMS, DUCTWORK, PIPING AND ALL OTHER ITEMS WITHIN TH RESPECTIVE SCOPE. THE CONTRACTOR'S COORDINATION EFFORT SHALL INCLUDE COORDINATED INFORMAT FROM ALL OTHER TRADE CONTRACTOR'S INVOLVED IN THE PROJECT SCOPE IN ORDER TO PROVIDE	
WSP #	WET STANDPIPE RISER TAG		BACK WATER VALVE (IN PIT)	COORDINATION BETWEEN TRADES AND ALL EXISTING CONDITIONS. ALL ERRORS MADE AS A RESULT OF A LA COORDINATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND CORRECTED AT NO ADDITIONAL C	CK OFUPON COMPLETION OF NATURAL GAS PIPING SYSTEM SCOPE WORK, PLACE SCOSTACCORDANCE WITH THE APPLICABLE FUEL GAS CODE.
$\langle xx \\ x \rangle$	EQUIPMENT TAG		CAPPED PIPE WASTE AND TRAP	TO THE PROJECT. MINOR RELOCATIONS AND SHIFTS OF EQUIPMENT, DUCTWORK, AND PIPING WHICH DO NO CHANGE THE DESIGN INTENT INDICATED ON THE CONTRACT DOCUMENTS, REQUIRED TO ACCOMMODATE FIE CONDITIONS ARE AT THE CONTRACTORS DISCRETION AND DO NOT REQUIRE ENGINEER APPROVAL.	
	SECTION SYMBOL SECTION DESIGNATION			<ol> <li>CONTRACTOR SHALL ARRANGE AND OBTAIN ALL PERMITS, INSPECTIONS AND APPROVALS, AND PAY ALL REL FEES.</li> </ol>	ATED 16. PLUMBING WORK SHALL BE DONE AT SUCH TIME AND IN SUCH MANNER THAT
M-1 1	DRAWING NUMBER LOCATION <u>DETAIL SYMBOL</u> DETAIL NUMBER		PIPE RISING / OR RISING AND DROPPING PIPE DROP OR RISING 45°	9. THE DRAWINGS INDICATE APPROXIMATE LOCATIONS BASED UPON INFORMATION OBTAINED WITHOUT REMOV	TENANTS, MAINTENANCE OPERATIONS AND OTHER BUILDING ACTIVITIES.
M-1	DRAWING NUMBER LOCATION		PIPE DROP OR RISING 90° MASTER GAS VALVE	CEILING TILES OR WALLS. THEREFORE, THE CONTRACTOR SHALL INCLUDE IN THEIR BID CONTINGENCY COS' ADDRESS CONFLICTS BETWEEN DESIGN AND EXISTING CONDITIONS. ANY CHANGES AND/OR MODIFICATIONS MUST BE REVIEWED AND APPROVED BY THE ENGINEER AND/OR OWNER'S REPRESENTATIVE PRIOR TO	
PIP	E LOCATION NOTES		VALVE IN VERTICAL	CONSTRUCTION. 10. FOR ANY DISCREPANCY BETWEEN DRAWINGS AND/OR SPECIFICATIONS, THE CONTRACTOR SHALL BASE THE	MANUFACTURER'S RECOMMENDED INSTALLATION REQUIREMENTS, IN ORDER AND OPERATING KITCHEN.
	CONCEALED IN CEILING SPACE ABOVE	-		UPON THE MOST STRINGENT REQUIREMENT (QUALITY, QUANTITY, SIZE, ETC.). THE CONTRACTOR SHALL IDE DISCREPANCIES AS PART OF THEIR BID.	
	CONCEALED IN CEILING SPACE ABOVE		VACUUM BREAKER (VB) WATER HAMMER ARRESTOR (WHA)	<ol> <li>PRIOR TO DEMOLITION, THE CONTRACTOR SHALL LOG ALL EXISTING EQUIPMENT AND TRACE ELECTRICAL, FI ALARM, AND CONTROL CIRCUITS THAT SERVE SUCH EQUIPMENT.</li> </ol>	RE
2	EXPOSED IN STRUCTURE ABOVE		WATER HAMMER ARRESTOR W / ACCESS PANEL(WHAAP)	12. ALL SERVICES TO EXISTING BUILDINGS SHALL BE MAINTAINED DURING CONSTRUCTION UNLESS OTHERWISE	
$\langle 3 \rangle$	CONCEALED IN CEILING SPACE, BELOW FLOOR	L⊥ ■ FS	KITCHEN FLOOR SINK (FS)	INDICATED. CONTRACTOR SHALL COORDINATE ALL SYSTEM SHUT DOWNS AND TIMING WITH OWNER. 13. THE CONTRACTOR SHALL EFFECTIVELY PROTECT ALL MATERIALS AND EQUIPMENT FROM ENVIRONMENTAL A	
$\langle 4 \rangle$	EXPOSED ON STRUCTURE, FLOOR BELOW	() AD	AREA FLOOR DRAIN (AD)	PHYSICAL DAMAGE UNTIL FINAL ACCEPTANCE. CLOSE AND PROTECT ALL OPENINGS DURING CONSTRUCTION PROVIDE NEW MATERIALS AND EQUIPMENT TO REPLACE ITEMS DAMAGED.	N.
$\left\langle 5 \right\rangle$	BELOW GRADE	● FD ● GD	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.	
		>+	HOSE BIB (HB) OPEN / CLOSED WALL HYDRANT (WH) OPEN / CLOSED	15. WHERE BEAMS ARE INDICATED TO BE PENETRATED WITH DUCTWORK AND/OR PIPING, CAREFULLY COORDIN/ SIZES AND LOCATIONS OF THE ELEMENTS BEFORE FABRICATION. COORDINATE WITH FINAL LOCATION OF BE	
	RACK ON WALL, BELOW COUNTER TOP		ROOF / OVERFLOW DRAIN	PENETRATIONS AND SHEAR WALL PENETRATIONS. 16. CONTRACTOR SHALL COORDINATE LOCATION OF ALL WALL, FLOOR AND ROOF OPENINGS WITH STRUCTURAL	
	ABOVE FLOOR	(Ô) 	ROOF / OVERFLOW DRAIN ABOVE TRENCH DRAIN	OTHER TRADES.	
8	RUN THROUGH OR BETWEEN BAR JOIST		DOUBLE CHECK DETECTOR ASSEMBLY	17. PROVIDE CUTTING AND PATCHING AS REQUIRED AND WHERE NECESSARY TO ACCOMMODATE NEW WORK AN REPAIR OF EXISTING WORK.	
9	CONCEALED BELOW RAISED FLOOR		(DCDA) DOUBLE CHECK VALVE ASSEMBLY (DCVA) REDUCED PRESSURE BACKFLOW	18. WHEN WORK INVOLVES CONTACT WITH MATERIALS CONTAINING ASBESTOS, PCB, OR OTHER TOXIC MATERIA NOTIFY OWNER, WHO WILL ESTABLISH PROCEDURES FOR REMEDIATION AND REMOVAL.	LS,
		1577751	PREVENTER (RPBP) REDUCED PRESSURE DETECTOR	19. CONTRACTOR SHALL SCHEDULE THE WORK UNDER THIS CONTRACT WITH WORK OF OTHER TRADES AS NOT DELAY THE OVERALL PROGRESS OF THE PROJECT.	то
			ASSEMBLY (RPDA)	20. CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER OF ANY CONFLICTS PRIOR TO PURCHASING EQUIPMENT PRIOR TO CUTTING OPENINGS.	AND
				21. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS PER SPECIFICATIONS PRIOR TO PURCHASING OR INSTALLIN EQUIPMENT AND SYSTEMS INDICATED ON CONTRACT DOCUMENTS. PRIOR TO SUBMITTAL, CONTRACTOR SH	
		PLUN	IBING PIPING LEGEND	VERIFY THAT ADEQUATE SPACE EXISTS FOR THE SUBMITTED EQUIPMENT. SHOP DRAWINGS MUST BE REVIE BY ARCHITECT/ENGINEER.	
		<u>140° HV</u>	– – ——————————————————————————————————	22. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS INCURRED BY OTHER TRADES DUE TO SUBSTITUTION OTHER THAN SCHEDULED EQUIPMENT. WHEN EQUIPMENT FURNISHED IS DIFFERENT THAN INDICATED, THE (	
		∠ AR	(140° HWC) 140° HOT WATER CIRC	OF ADDITIONAL ELECTRICAL SERVICE, STRUCTURAL AND RELATED WORK SHALL BE PAID BY THIS CONTRACT 23. ALL WORK SHALL BE EXECUTED IN A NEAT AND WORKMANLIKE MANNER AND SHALL BE DONE IN ACCORDANC	
				WITH GOOD TRADE PRACTICE AND IN CONFORMANCE WITH APPLICABLE MANUFACTURERS' RECOMMENDATION	DNS.
			· – (CW) COLD WATER	24. CONTRACTOR SHALL REMOVE ALL TRASH, DEBRIS AND DEMOLITION MATERIAL FROM PREMISES AT THE END EACH DAY.	
				25. RESTORE ALL SURFACES (WALLS, CEILINGS, FLOORS AND ROOFS) THAT ARE DAMAGED BY THE WORK OF TH CONTRACT TO THEIR ORIGINAL CONDITION AT NO EXTRA COST TO THE OWNER.	IS
		GD ·	(GD) GARAGE DRAIN	26. PRIOR TO EQUIPMENT STARTUP, CONTRACTOR SHALL PERFORM THE SPECIFIED STARTUP AND COMMISSION PROCEDURES.	ING
		∠ 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 ENGINEERING DESIGNS FOR THE SOLE USE IN EXPEDITING SHOP DRAWINGS. BALA'S FILES SHALL NOT BE	THE
		→ HW -	( ()	DIRECTLY COPIED AND ISSUED AS SHOP DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FIL COORDINATION, DIMENSIONING AND ADHERENCE TO THE SHOP DRAWING REQUIREMENTS AS NOTED IN THE	ELD
			(IA) INSTRUMENT AIR	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 REQUIREMENTS AS NOTED IN THE SPECIFICATIONS, THESE SHOP DRAWINGS WILL BE RETURNED AS REJECT	ED.
				BALA'S ELECTRONIC FILES ARE SAVED IN VERSION [REVIT, AUTOCAD] [2016, 2017, 2018] AND ARE COMPATIBLE ALL VERSIONS AFTER THAT. BALA MAKES NO REPRESENTATION AS TO THE COMPATIBILITY OF THESE FILES THE CONTRACTOR'S HARDWARE OR THEIR SOFTWARE.	WITH
		) LV -	(LV) LAB VENT	DATA CONTAINED ON THESE ELECTRONIC FILES ARE PART OF BALA'S "INSTRUMENTS OF SERVICE" AND ARE 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 UNLAWFUL.	RIS
			(N2) NITROGEN		
		OFD -	(OFD) OVERFLOW DRAIN		
					DRAWING LIST - PLUMBING
		ST -	(ST) STORM		C SET C SET
			(TP) TRAP PRIMER		IMATE SET NT DOCUMENT N
		∠ · V ·	(V) VENT		
		( W -	(W) WASTE		DESIGN VELOPMEN VELOPMEN VELOPMEN USSION



## PLUMBING GENERAL NOTES

WINGS INDICATE GENERAL LOCATION OF WORK INCLUDED. PLUMBING CONTRACTOR SHALL COORDINATE ATION OF WORK WITH ALL OTHER TRADES. COORDINATE THE FINAL LOCATION OF THE PLUMBING FIXTURES H THE ARCHITECTURAL DIMENSIONED DRAWINGS. ALL ALL FIXTURES, AND EQUIPMENT IN CONFORMANCE WITH ARCHITECTURAL DRAWINGS, MANUFACTURERS OMMENDATIONS AND AUTHORITY HAVING JURISDICTION. COORDINATE ALL ROUGH-IN INFORMATION WITH TURE AND EQUIPMENT SUPPLIERS.

VIDE HANDICAPPED FIXTURES IN CONFORMANCE WITH THE AMERICANS WITH DISABILITIES ACT(ADA). ILATE ALL PIPING BELOW ADA FIXTURES. COORDINATE COLORS WITH ARCHITECT WHERE INDICATED. ITRACTOR SHALL PROVIDE DOMESTIC WATER SERVICE RESTRAINTS AND THRUST BLOCKS AS REQUIRED. ALL ISOLATION VALVES ON ALL BRANCH PIPING UNLESS OTHERWISE NOTED. PROVIDE SHUT OFF VALVES TO FIXTURES AND EQUIPMENT.

IVIDE WATER HAMMER ARRESTERS ON DOMESTIC WATER PIPING IN CONFORMANCE WITH THE PLUMBING AND NAGE INSTITUTE. NECT ALL SERVICE BRANCHES TO TOP OF SERVICE MAINS WHERE POSSIBLE. PROVIDE DRAIN VALVES AT ALL

POINTS IN SERVICE PIPING SYSTEMS. PE ALL WASTE PIPING IN CONFORMANCE WITH APPLICABLE CODES AND THE AUTHORITY HAVING

VIDE THE REQUIRED FITTINGS AT EACH INDIRECT WASTE PIPE DISCHARGE TO ALLOW REMOVAL OF THE LAST F INDIRECT WASTE PIPING IN ORDER TO GAIN ACCESS AND PERMIT REMOVAL OF THE SEDIMENT BASKET AS

PORT ALL PIPING IN CONFORMANCE WITH ANSI/MSS-58 AND 69 AND THE AUTHORITY HAVING JURISDICTION. PIPING PENETRATIONS THROUGH FIRE RATED WALLS SHALL BE PROTECTED WITH UL LISTED FIREPROOFING TEM TO MATCH THE RATING OF THE WALL OR FLOOR.

IOT INSTALL PIPING IN DEDICATED ELECTRICAL SPACES OR ABOVE ANY ELECTRICAL EQUIPMENT, PANELS, ETC OTED IN THE NATIONAL ELECTRIC CODE. SSURE TEST AND STERILIZE THE ENTIRE DOMESTIC WATER PIPING SYSTEM FROM POINT OF NEW

R TO OPENING NATURAL GAS PIPING SYSTEM, THE ENTIRE SECTION OF NATURAL GAS PIPING SYSTEM ECTED BY SCOPE SHALL BE ISOLATED AND PURGED IN ACCORDANCE WITH THE APPLICABLE FUEL GAS CODE. COMPLETION OF NATURAL GAS PIPING SYSTEM SCOPE WORK, PLACE SYSTEM INTO OPERATION IN RDANCE WITH THE APPLICABLE FUEL GAS CODE.

E CONNECTING TO EXISTING PIPING SYSTEMS, INSPECT PIPING FOR DEFECTS. NOTIFY OWNERS RESENTATIVE IF EXISTING PIPING IS FOUND TO BE IN UNSATISFACTORY CONDITION TO DETERMINE IF

ACEMENT IS NECESSARY. IBING WORK SHALL BE DONE AT SUCH TIME AND IN SUCH MANNER THAT WILL LEAST INTERFERE WITH OTHER ANTS, MAINTENANCE OPERATIONS AND OTHER BUILDING ACTIVITIES.

PLUMBING CONTRACTOR SHALL PROVIDE ALL ANCILLARY DEVICES NOT LIMITED TO BACKFLOW PREVENTERS, LATION VALVES, UNIONS, PRESSURE REDUCING VALVES AND STRAINERS AT EACH PIECE OF KITCHEN IPMENT AS REQUIRED BY THE KITCHEN DESIGN, APPLICABLE CODES AND STANDARDS, INCLUDING UFACTURER'S RECOMMENDED INSTALLATION REQUIREMENTS, IN ORDER TO PROVIDE A FULLY FUNCTIONAL

								1		
	05-18-2021 SCHEMATIC DESIGN	06-23-2022 - DESIGN DEVELOPMENT COST ESTIMATE SET	08-04-2022 MSBA DESIGN DEVELOPMENT	11-21-2022 60% CONSTRUCTION DOCUMENTS COST ESTIMATING SET	12-05-2022 EARLY SITE PREPARATION CONTRACT DOCUMENTS	01-13-2023 MSBA 60% CD SUBMISSION				
		~	-		-	-				$\mid$
NOTES		0	•		•	•				
		0	•	•	•	•				
		0 0 0	•	•	•	•				
V SLAB V SLAB		O	•	•	•	•				
V SLAB			•	•	•	•				
		0	•	•		•				
		О	•	•		•				
		О	•	•		•				
EA A/B						0 •				
		О	•	•						
		О	•	•		•				
		О	•	•		•				
		О	•	•		•				
		О	•	•		•				
		О	•	•		•				
		О	•	•		•				
		0	•	•		•				
		0	•	•		•				
		0	•	•		•				
		0	•	•		•				
		0	•	•		•				
		0	•	•		•				
		0	•	•		•				
	1	_ <b>`</b>				-	1		1	
		0	•			•				
		0	-							
		0	•	•		•				
		0 0	•	•		•				
		0 0 0	•	•		•				
		0 0	•	•		• • • • • • • • • • • • • • • • • • • •				
		0 0 0	•	•		• • • • • • • • • • • • • • • • • • • •				
		0 0 0	• • • •	• • • • • • • • • • • • • • • • • • • •		• • • • •				
		0 0 0 0	•	•		• • • • • • •				
		0 0 0	• • • •	• • • • • • • • • • • • • • • • • • • •		• • • • • • • • • • •				
		0 0 0 0	• • • •	• • • • • • • • • • • • • • • • • • • •						
			• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •						
			• • • • •	• • • •						
			• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •						



225 Oakland Road 260 Charles Street

Planning | Architecture | Interior Design

Tel: 617.964.1700

Studio 300

02453

Waltham, MA

Drummey Rosane Anderson, Inc.

Studio 205

06074

South Windsor, CT

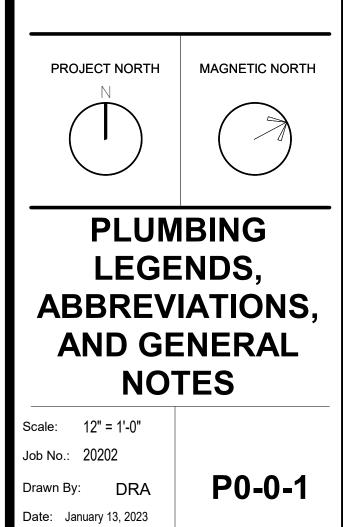
Wakefield, MA 01880

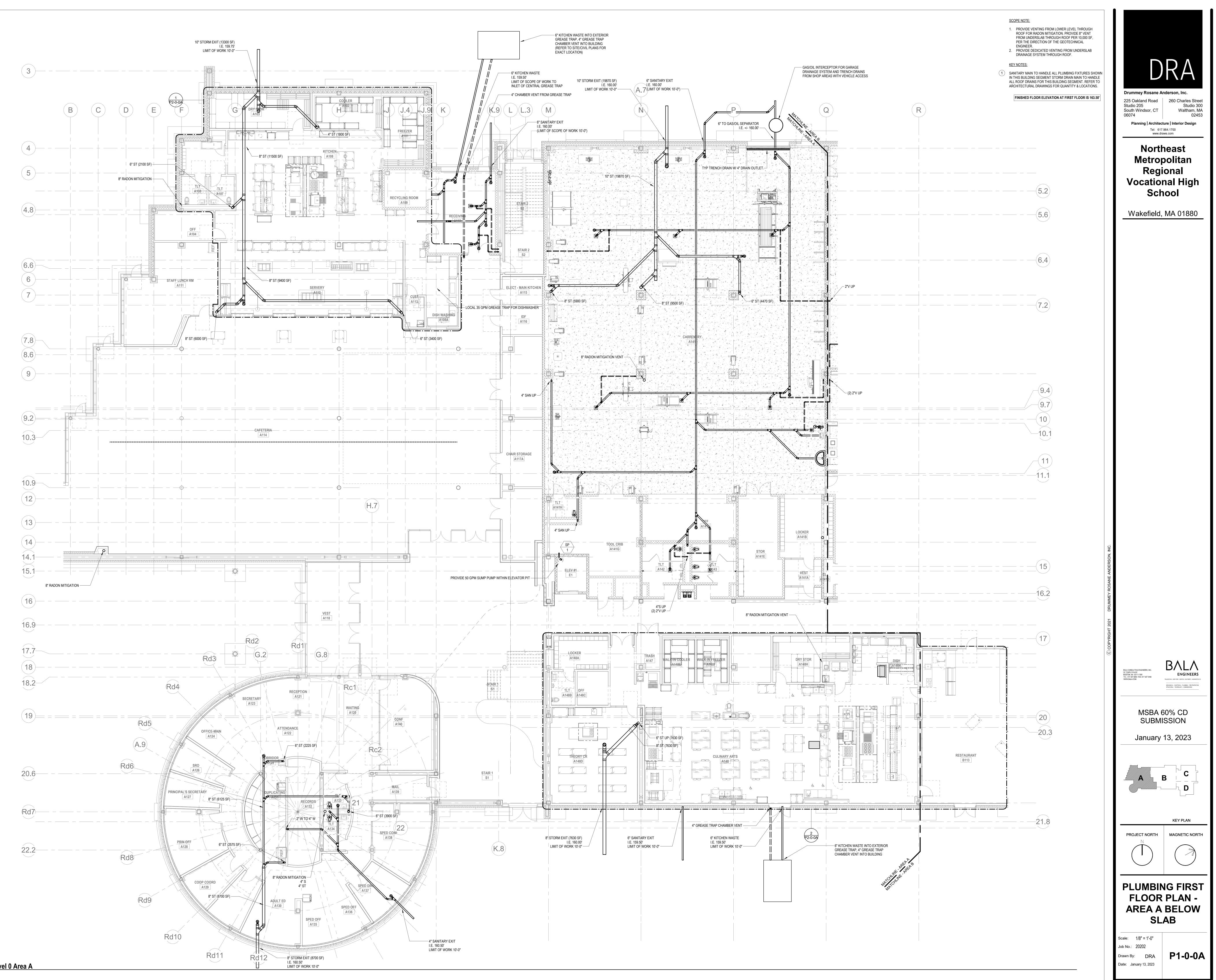
BALA CONSULTING ENGINEERS, INC. 52 TEMPLE PLACE BOSTON, MA 02111-1306 TEL: 617 357 50600 FAX: 617 357 5188 WWW.BALA.COM



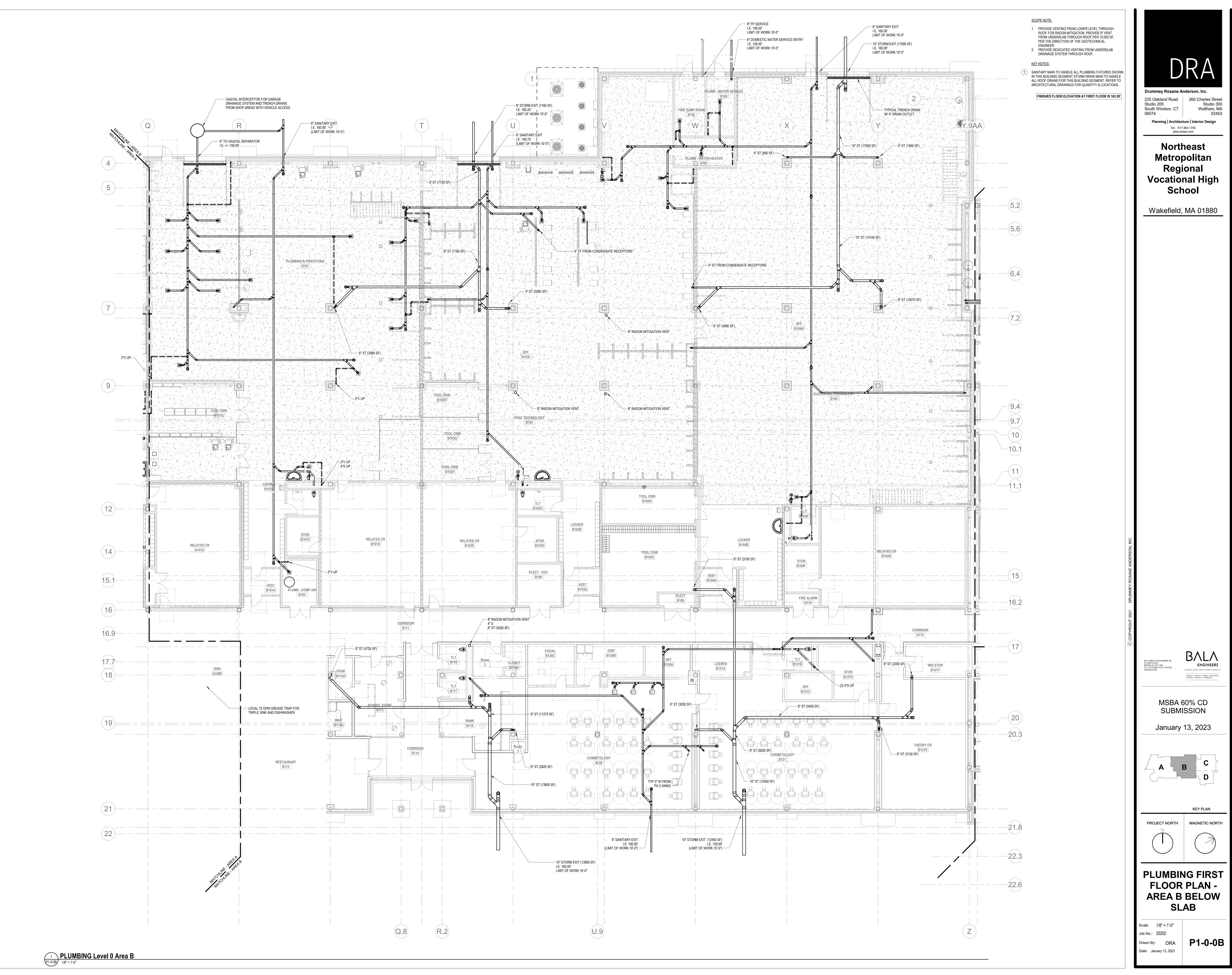
MSBA 60% CD SUBMISSION

January 13, 2023





P1-0-0A **PLUMBING Level 0 Area A** 1/8" = 1'-0"



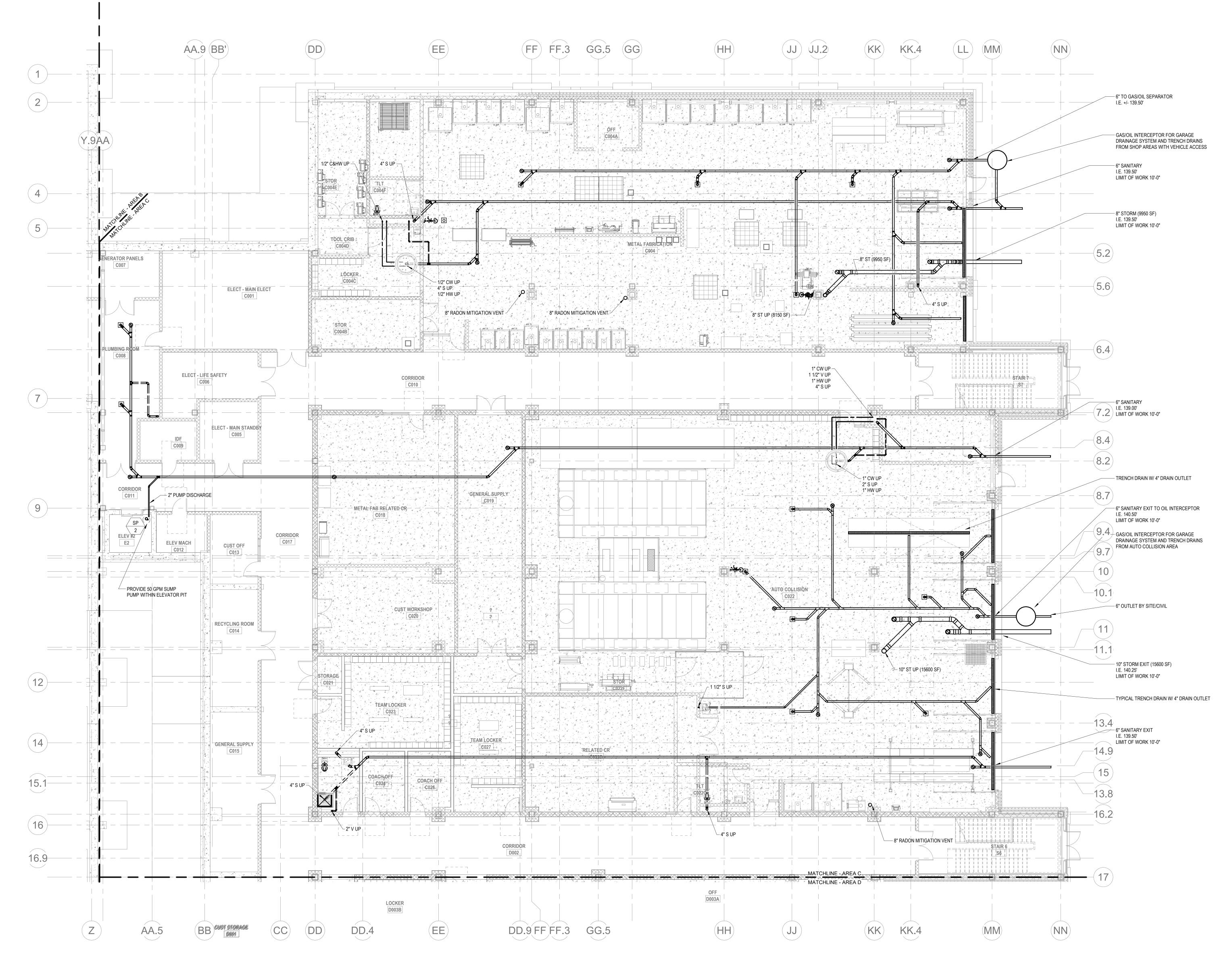
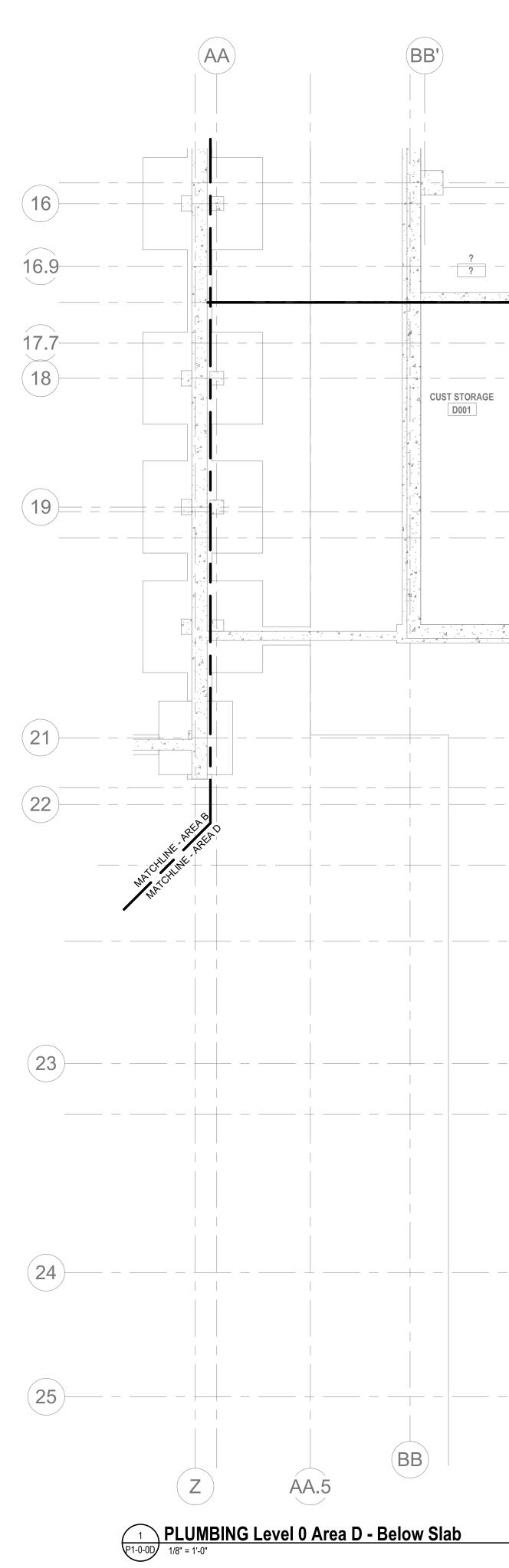
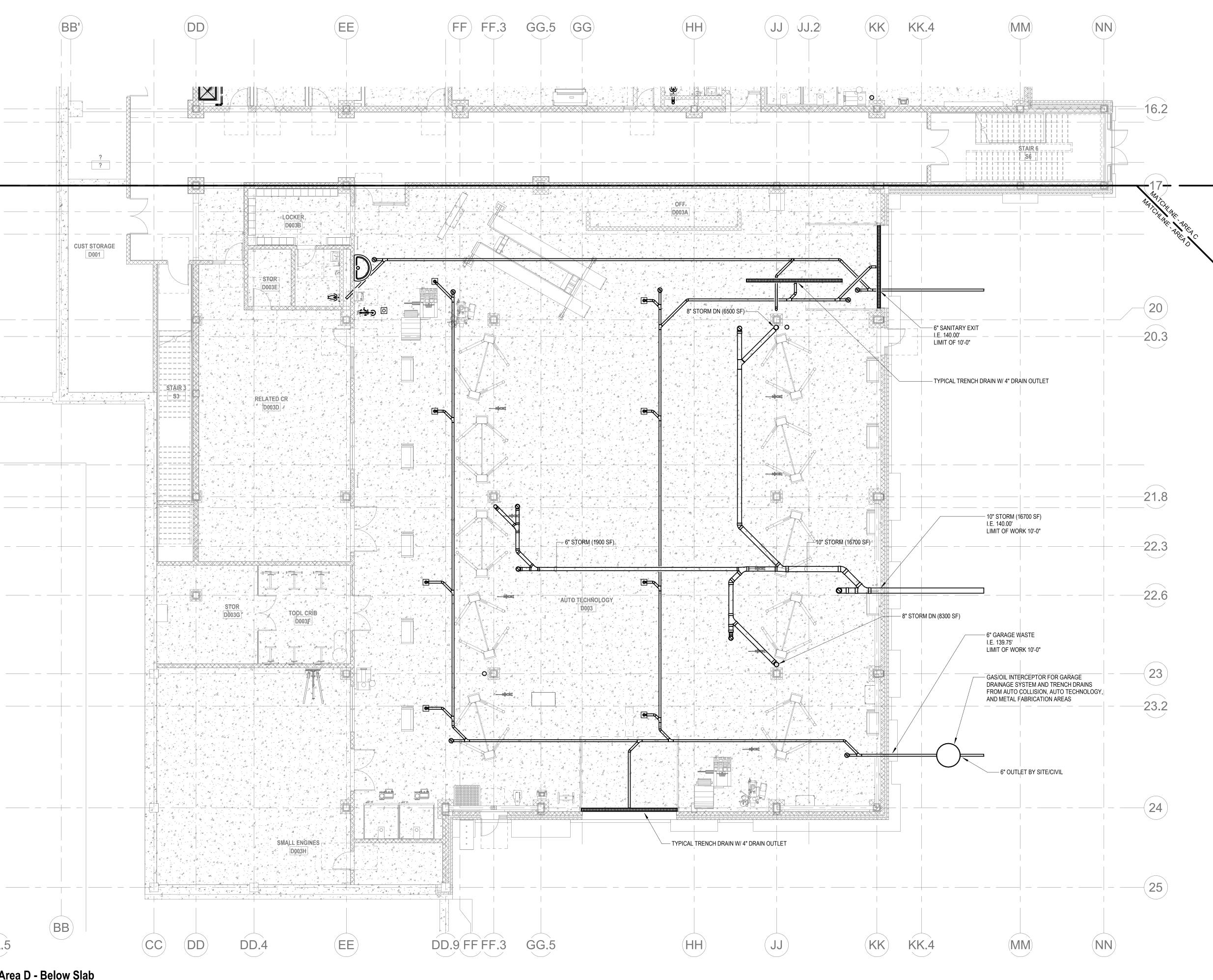


 Image: Plotoc
 Plotoc

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 ENGINEER. FINISHED FLOOR ELEVATION AT LOWER LEVEL IS 143.50'		
		Drummey Rosane Anderson, Inc.         225 Oakland Road         Studio 205         South Windsor, CT         06074         Planning   Architecture   Interior Design         Tel:         617.964.1700         www.draws.com
		Northeast Metropolitan Regional Vocational High School
		Wakefield, MA 01880
	DRUMMEY ROSANE ANDERSON, INC.	
	$(\overline{\mathbb{C}})$	BALA CONSULTING ENGINEERS, INC. 52 TEMPLE PLACE BOSTON, MA 02111-1306 TEL: 617 357 0660 FAX: 617 357 5188 WWW.BALA.COM
		MSBA 60% CD SUBMISSION January 13, 2023
		PROJECT NORTH       MAGNETIC NORTH         N       Image: Comparison of the second secon
		PLUMBING LOWER LEVEL FLOOR PLAN - AREA C BELOW SLAB
		Scale: 1/8" = 1'-0" Job No.: 20202 Drawn By: DRA Date: January 13, 2023

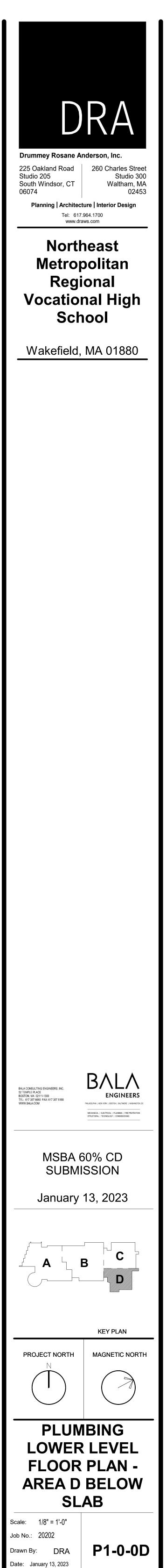




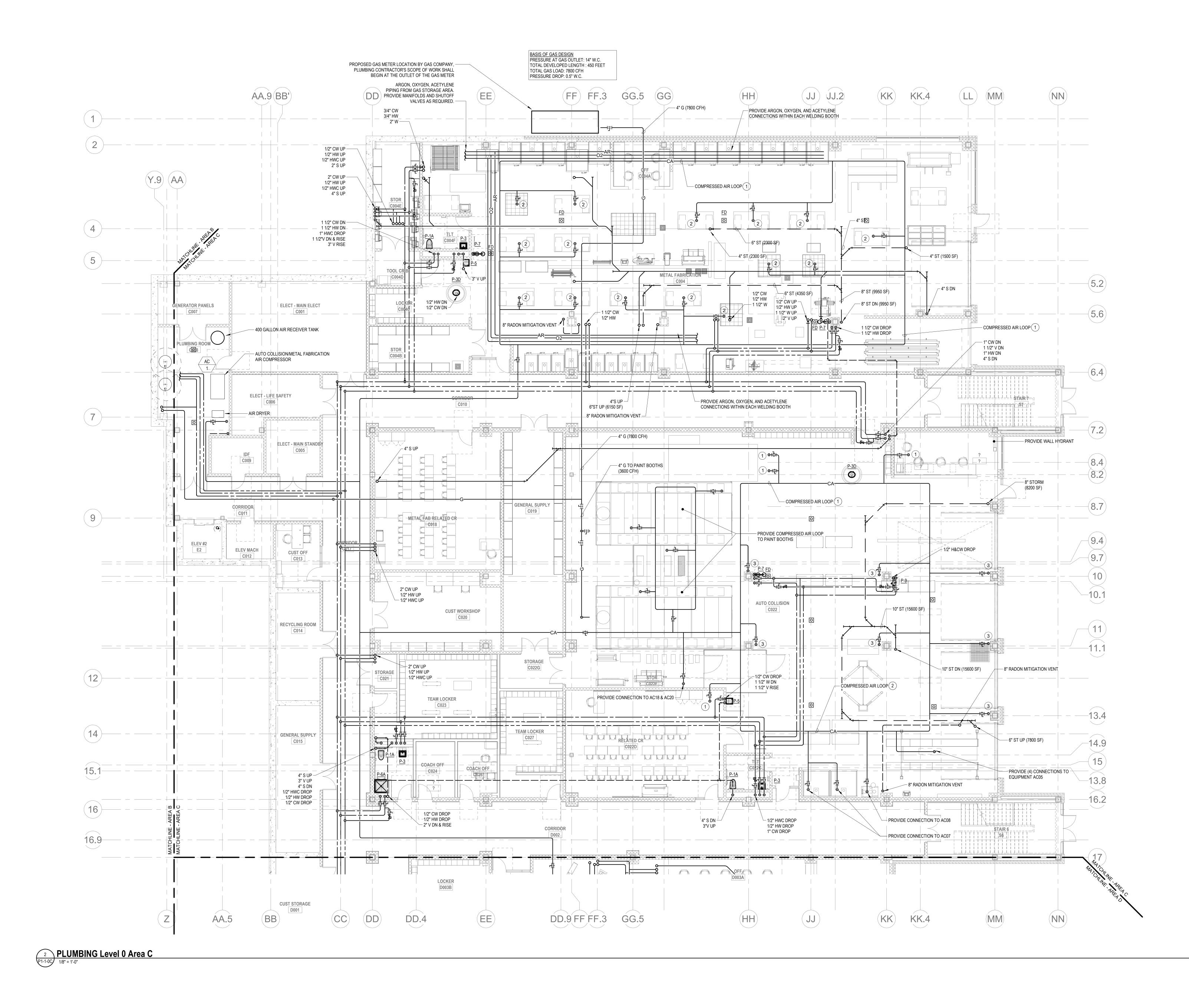
SCOPE	NOTE:

- 1. 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
- ENGINEER.PROVIDE DEDICATED VENTING FROM UNDERSLAB DRAINAGE SYSTEM THROUGH ROOF.
- 1
   SANITARY MAIN TO HANDLE ALL PLUMBING FIXTURES SHOWN

   1
   IN THIS PLUE DING SEGMENT STORM DRAIN TO HANDLE
- IN THIS BUILDING SEGMENT STORM DRAIN MAIN TO HANDLE ALL ROOF DRAINS FOR THIS BUILDING SEGMENT. REFER TO ARCHITECTURAL DRAWINGS FOR QUANTITY & LOCATIONS.

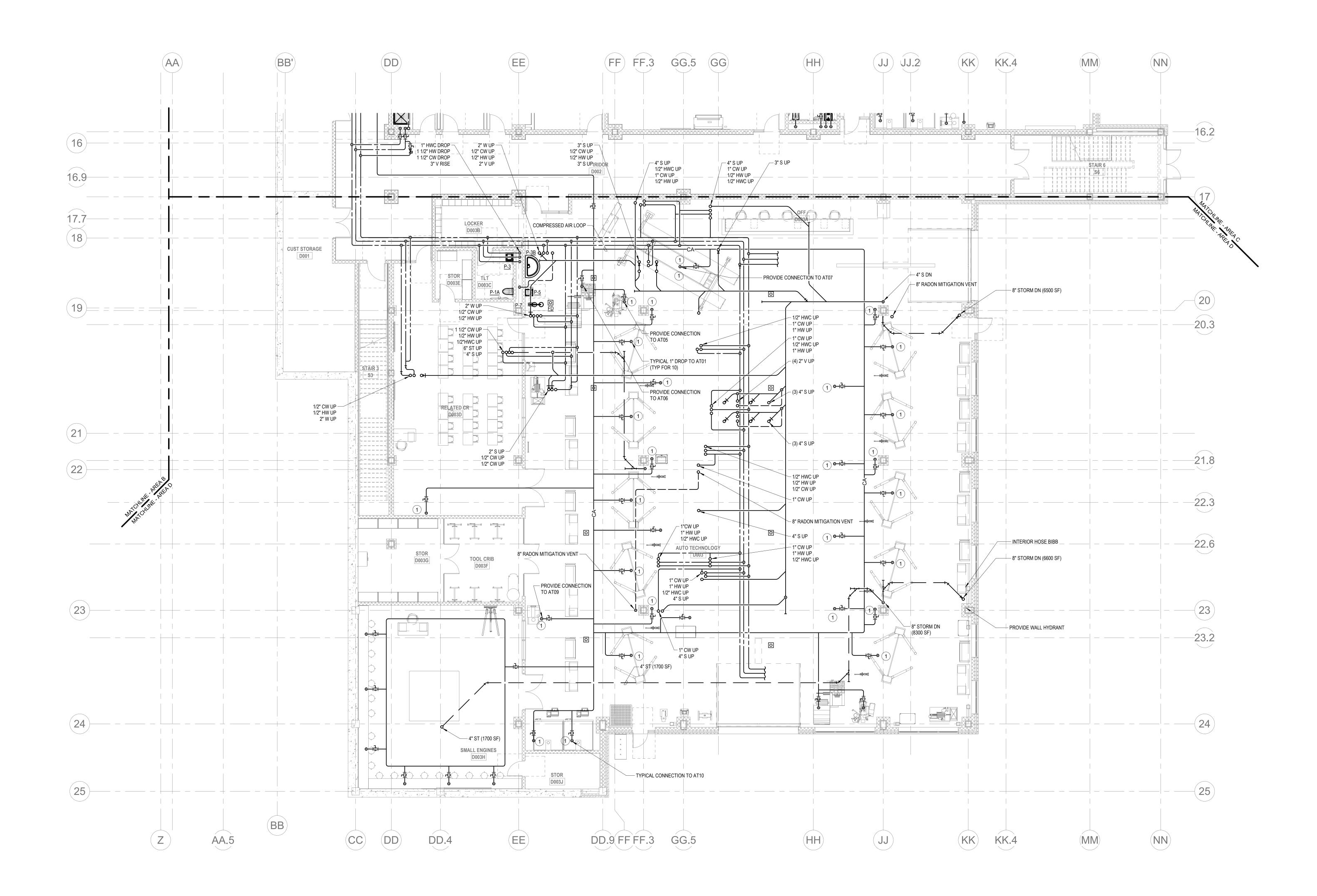


T 2021 DRUMMEY ROSANE ANDERSON



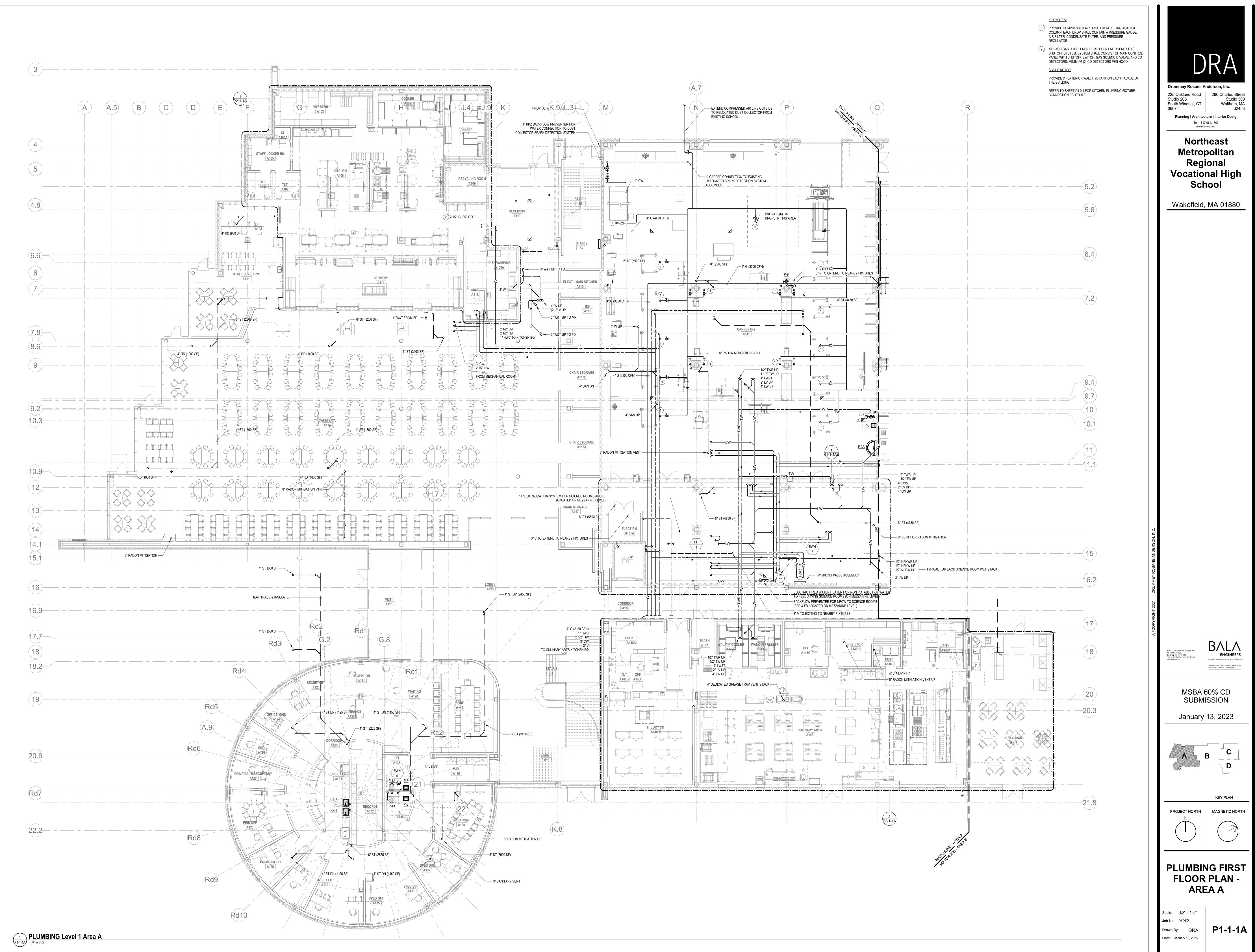
1 3	KEY NOTES:         PROVIDE COMPRESSED AIR COLL DROP FROM CELIUNG, EACH DROP SHALL CONTAIN A PRESSURE GAUGE, AIR FILTER, CONDENSATE FILTER, AND PRESSURE REGULATOR.         PROVIDE COMPRESSED AIR DROP FROM CELIUNG, EACH DROP SHALL CONTAIN A PRESSURE GAUGE, AIR FILTER, CONDENSATE FILTER, AND PRESSURE REGULATOR.         PROVIDE COMPRESSED AIR DROP FROM CELIUNG, EACH DROP SHALL CONTAIN A PRESSURE GAUGE, AIR FILTER, CONDENSATE FILTER, AND PRESSURE REGULATOR.		<section-header><section-header><section-header><section-header><text><text><text><text><text></text></text></text></text></text></section-header></section-header></section-header></section-header>
		C COPYRIGHT 2021 DRUMMEY ROSANE ANDERSON, INC.	<text><text><text><text><text></text></text></text></text></text>
			SUBMISSION January 13, 2023

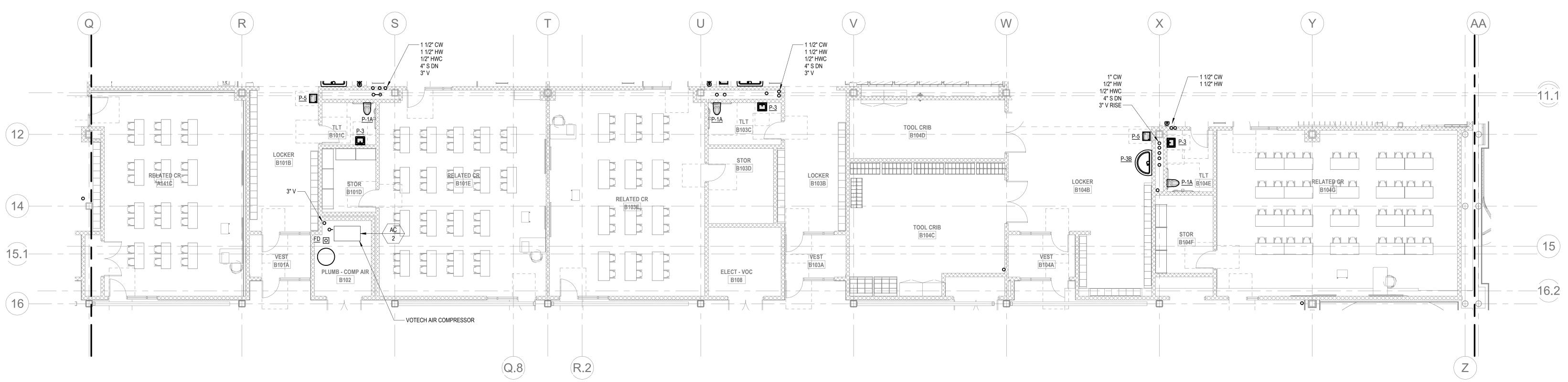
Date: January 13, 2023



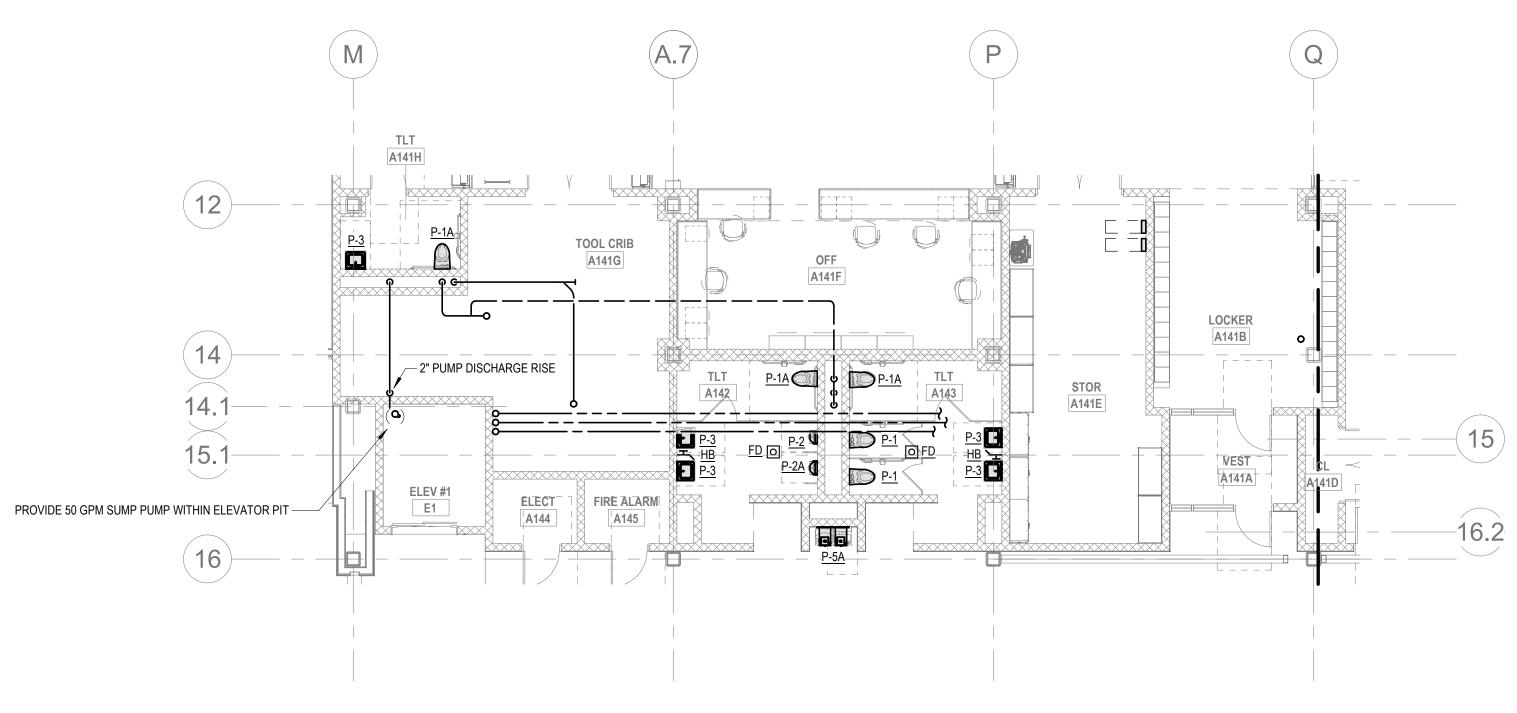
2 PLUMBING Level 0 Area D P1-1-0D 1/8" = 1'-0"

KEY NOTES:      PROVIDE COMPRESSED AIR COLL DROP FROM CEILING EACH DROP SHALL CONTAIN A PRESSURE GAUGE, AIR FILTER, CONDENSATE FILTER, AND PRESSURE REGULATOR.		<section-header><section-header><section-header><section-header><text><text><text><text><text><text></text></text></text></text></text></text></section-header></section-header></section-header></section-header>
	SANE ANDERSON, INC.	
	C COPYRIGHT 2021 DRUMMEY ROSANE	<text><text><text><text><text><text><text><text><text></text></text></text></text></text></text></text></text></text>
		<text><text><image/><image/><image/></text></text>



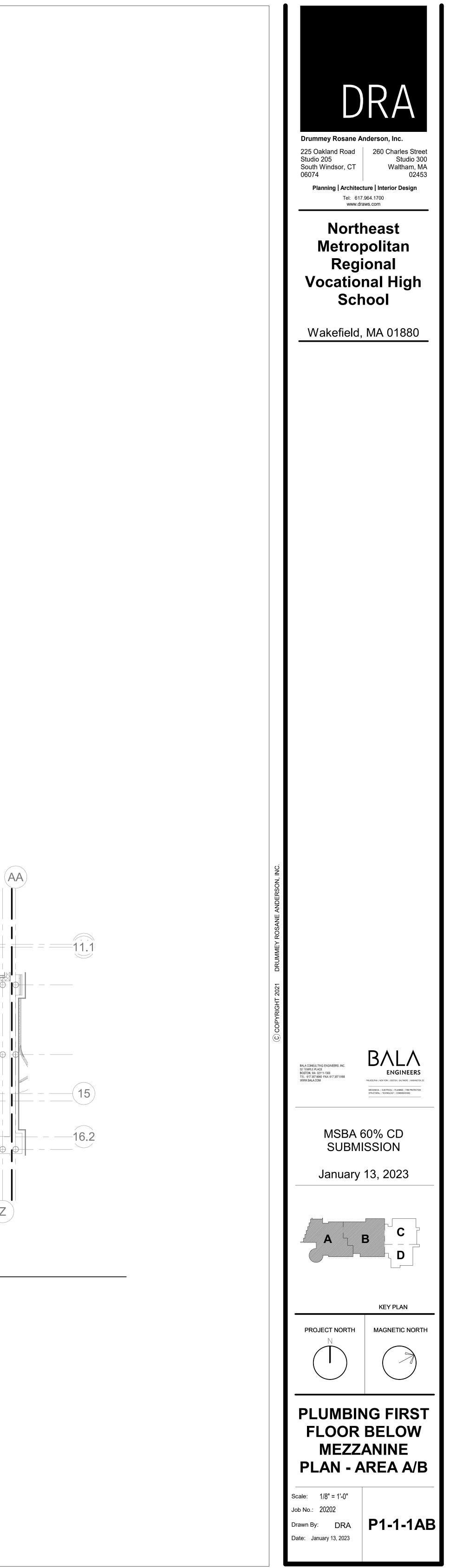


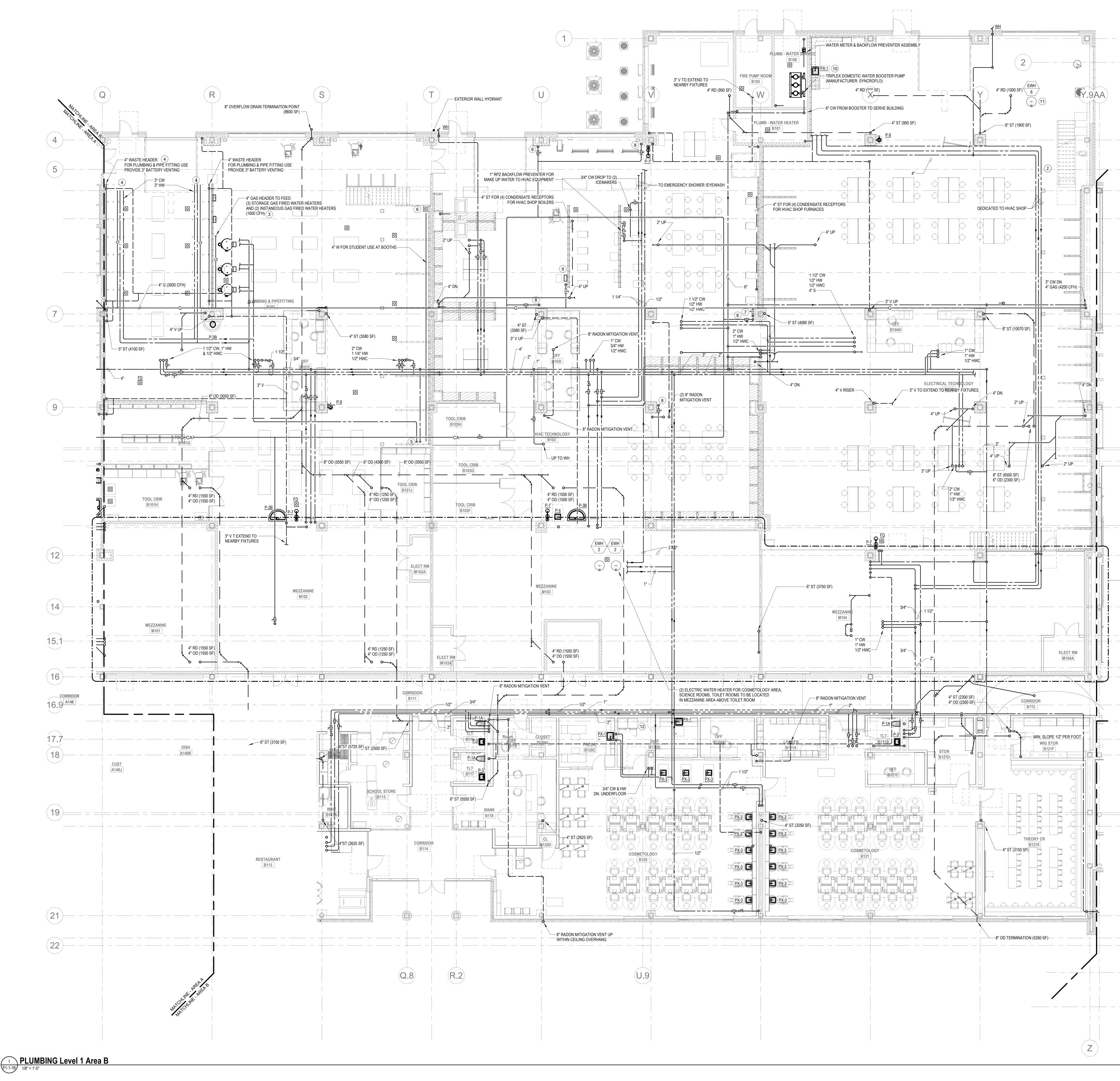
### 2 P1-1-1AB PLUMBING LEVEL 1 BELOW MEZZ. AREA B PART PLAN 1/8" = 1'-0"



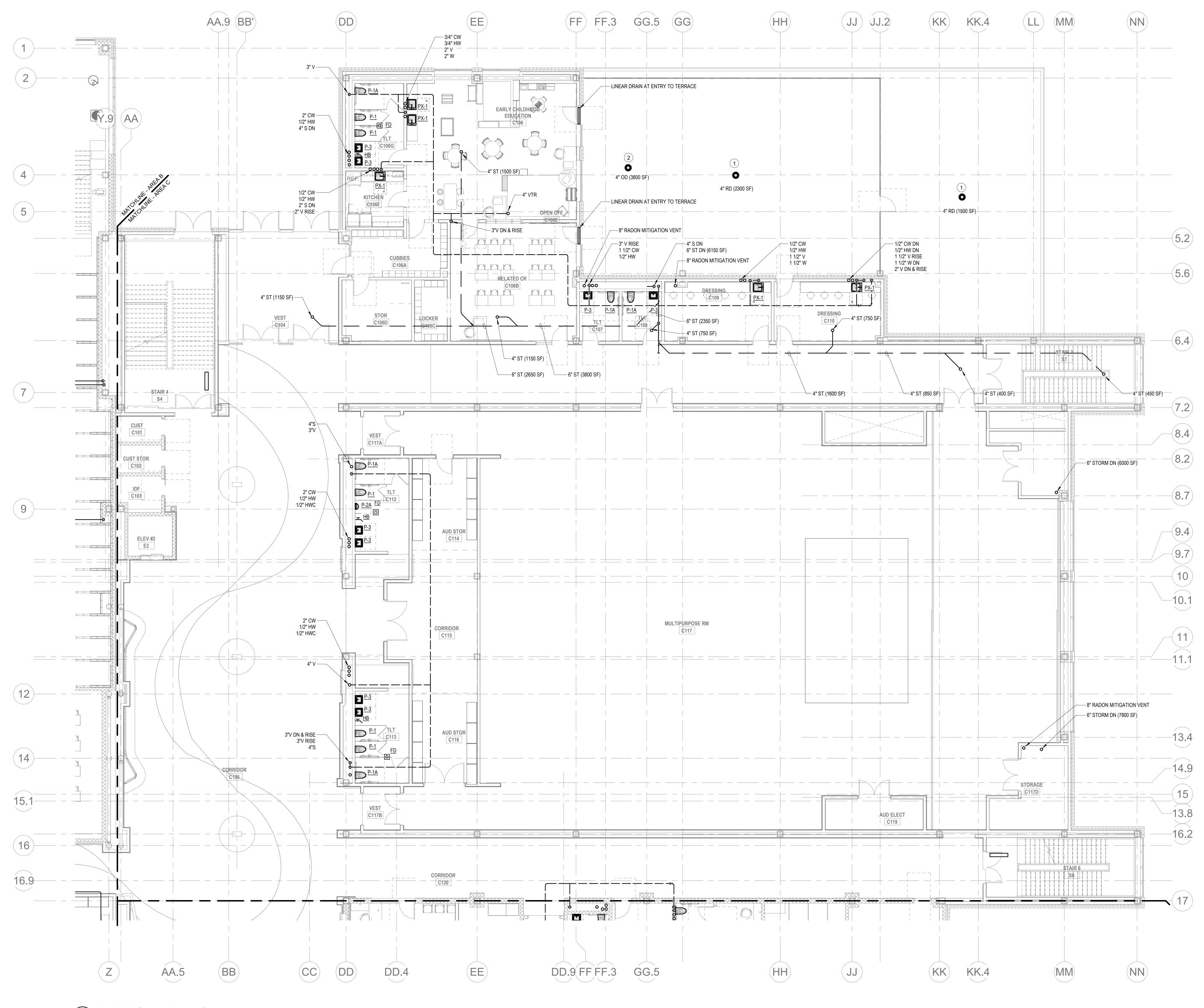
 PLUMBING LEVEL 1 BELOW MEZZ. AREA A PART PLAN

 1/8" = 1'-0"





5.2	<ul> <li>KEY NOTES:         <ul> <li>PROVIDE AN ALLOWANCE FOR (10) COMPRESSED AIR DROPS WITHIN HVAC TECHNOLOGY SHOP. EACH COMPRESSED AIR DROPS SHALL INCLUDE A SHUTOFF VALVE, AIR FILTER, PRESSURE GAUGE, AND AIR PRESSURE REGULATOR. PROVIDE S0 FOOT HOSE REEL FOR EACH DROP.</li> <li>PROVIDE EXPANSION LOOP AND FLEXIBLE COUPLINGS ON DOMESTIC WATER PIPE WHICH CROSSES EXPANSION JOINT AT COLUMN LINE 15.28.</li> <li>PROVIDE (3) GAS FIRED WATER HEATERS WITHIN THE PLUMBING/IPPE HITTING SHOP. HEATERS SHALL BE TED GALLON PVI CONQUEST CONDENSING WATER HEATER. EACH HEATER SHALL BE ED FROM THE (3) GAS FIRED HEATERS IN THE PLUMBING PIPE FITTING SHOP.</li> <li>PROVIDE (16) TYPICAL 1" CW, 1" HW, AND 3" DRAIN CONNECTION AT EACH STUDENT PLUMBING BOOTH. HW FOR THESE BOOTHS SHALL BE FED FROM THE (3) GAS FIRED HEATERS IN THE PLUMBING/ PIPE FITTING SHOP.</li> <li>PROVIDE CAPPED CW &amp; HW CONNECTION FOR STUDENT USE AT PLUMBING BOOTHS.</li> <li>PROVIDE CAPPED CW &amp; HW CONNECTION FOR STUDENT USE AT PLUMBING BOOTHS.</li> <li>PROVIDE CAPPED GAS LINE WITH MASTER GAS SHUTOFF FOR FUTURE USE BY SCHOOL.</li> <li>PROVIDE COMPRESSED AIR DROP FROM CELLING AGAINST COLUMN. EACH OROP SHALL CONTAIN A PRESSURE GAUGE, AIR FILTER, CONDENSATE FILTER, AND PRESSURE CAUGE, AIR FILTER, CONDENSATE FILTER, AND PRESSURE GAUGE, AIR FILTER, CONDENSATE FILTER, AND PRESSURE CAUGE, AIR FILTER, CONDENSATE FILTER, SA MOCK WATER HEATER TO USE BY STUDENTS OF FLECTRICAL SHOP.</li> <li>PROVIDE INSTANTANEOUS GAS FIRED WATER HEATER FOR USE BY STUDENTS OF FLECTRICAL SHOPS. PROVIDE NO WATER TO SINK. PROVIDE GAUGE, AIR FILTER, CONDENSATE FILTER, SA MOCK WATER HEATER, TO SA MOCK WATER HEATER, TO SANCA SINC, PROVIDE NO WATER TO DAY TO NORTH SIDE OF BUILDING.</li> </ul></li></ul>		<section-header><section-header><section-header><text><text><text><text><text><text><text></text></text></text></text></text></text></text></section-header></section-header></section-header>
6.4			
7.2			
9.4 9.7 10 10.1			
2 P1-1-1AB		ON, INC.	
(15)		DRUMMEY ROSANE ANDERSON, INC	
16.2		2021	
17		©) COPYRIGHT	BALA CONSULTING ENGINEERS, INC. 52 TEMPLE PLACE BOSTOM, MA 02111-1306 TEL: 617 367 6060 FAX: 617 357 5188 WWW.BALA.COM
2020.3			<section-header><section-header><section-header><section-header><section-header><section-header></section-header></section-header></section-header></section-header></section-header></section-header>
21.8			N     MAGNETIC NORTH
22.3			PLUMBING FIRST
22.6			FLOOR PLAN - AREA B
			Scale: 1/8" = 1'-0" Job No.: 20202 Drawn By: DRA Date: January 13, 2023



1 PLUMBING Level 1 Area C

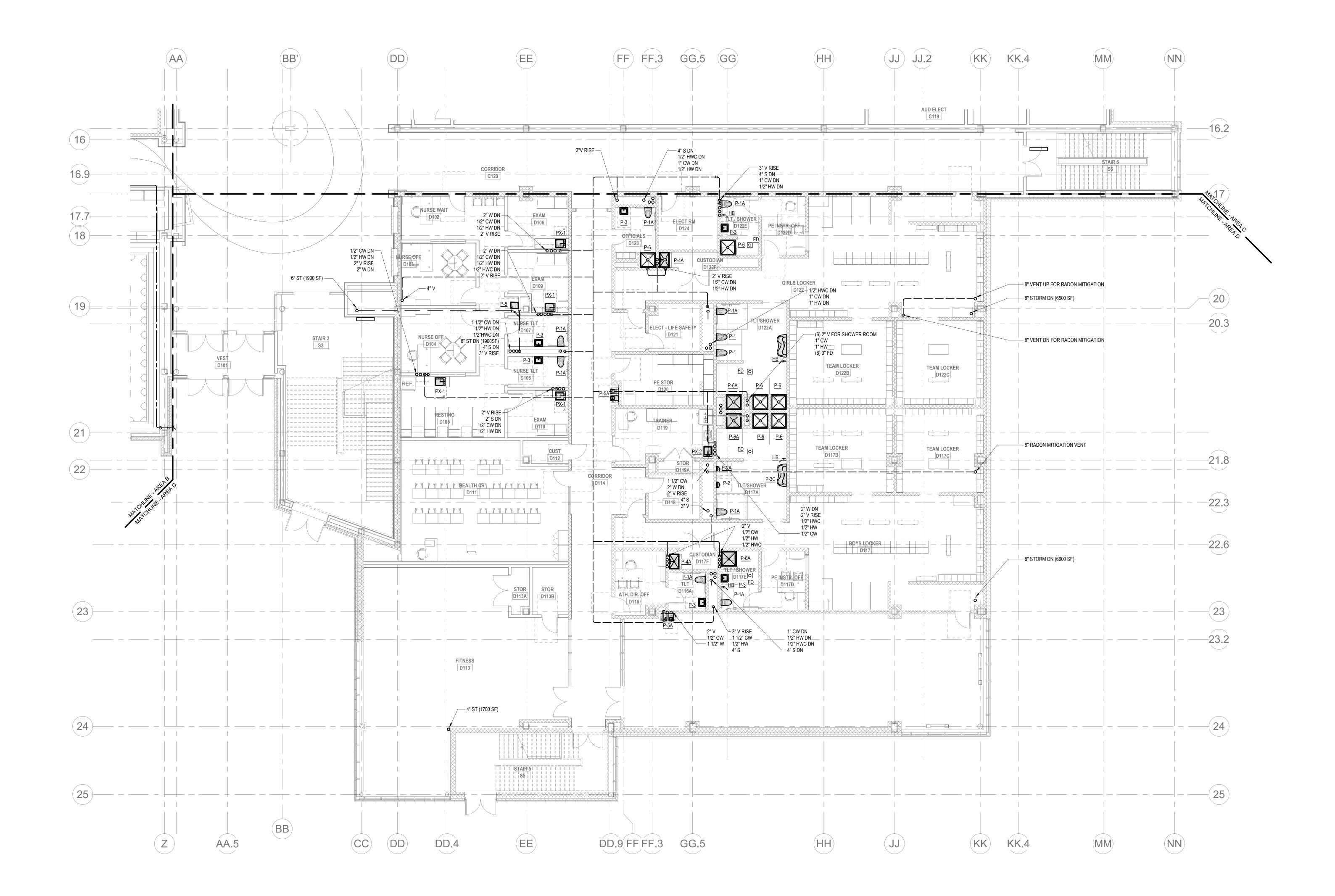
NDER PAVERS. LFWAY UP THE INTO THE	<section-header><section-header><section-header><text><text><text><text><text><text></text></text></text></text></text></text></section-header></section-header></section-header>
© COPYRIGHT 2021 DRUMMEY ROSANE ANDERSON, NC.	Wakefield, MA 01880
	<text><text><text><text><text><text></text></text></text></text></text></text>
	PROJECT NORTH       MAGNETIC NORTH         N       Image: Comparison of the second secon
	PLUMBING FIRST FLOOR PLAN - AREA C
	Scale: 1/8" = 1'-0" Job No.: 20202 Drawn By: DRA Date: January 13, 2023

\_\_\_\_ **•** 

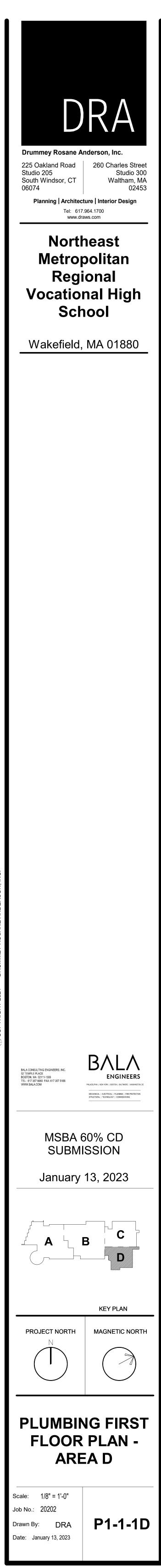
 KEY NOTES:

 1
 PROVIDE ROOF DRAIN WITH FLAT GRATE UNDER PAVERS

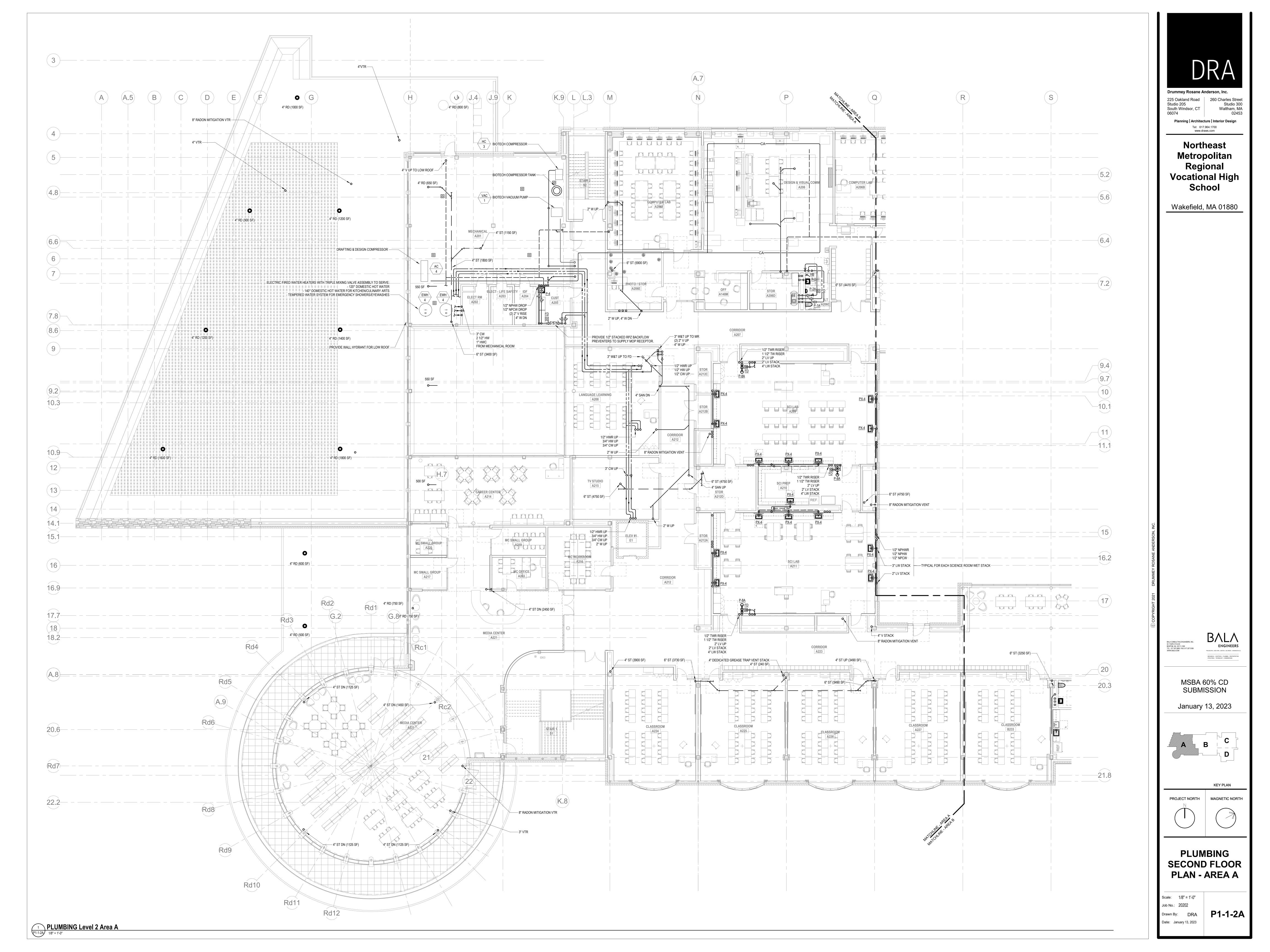
 2
 PROVIDE SECONDARY ROOF DRAINAGE HALFWAY UP THE ROOF PITCH TO AVOID WATER BACKING UP INTO THE BUILDING.

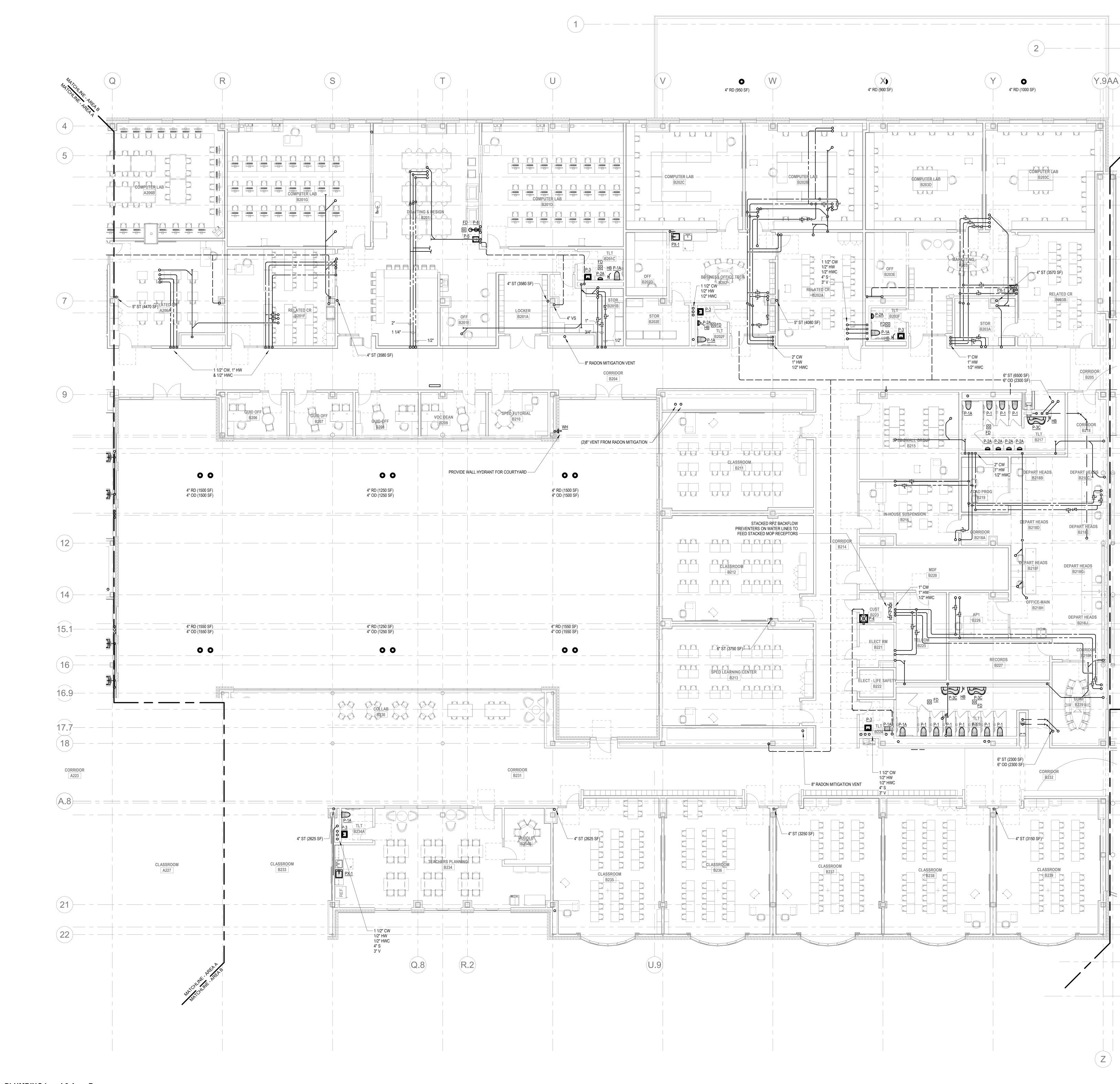


1 PLUMBING Level 1 Area D 1/8" = 1'-0"



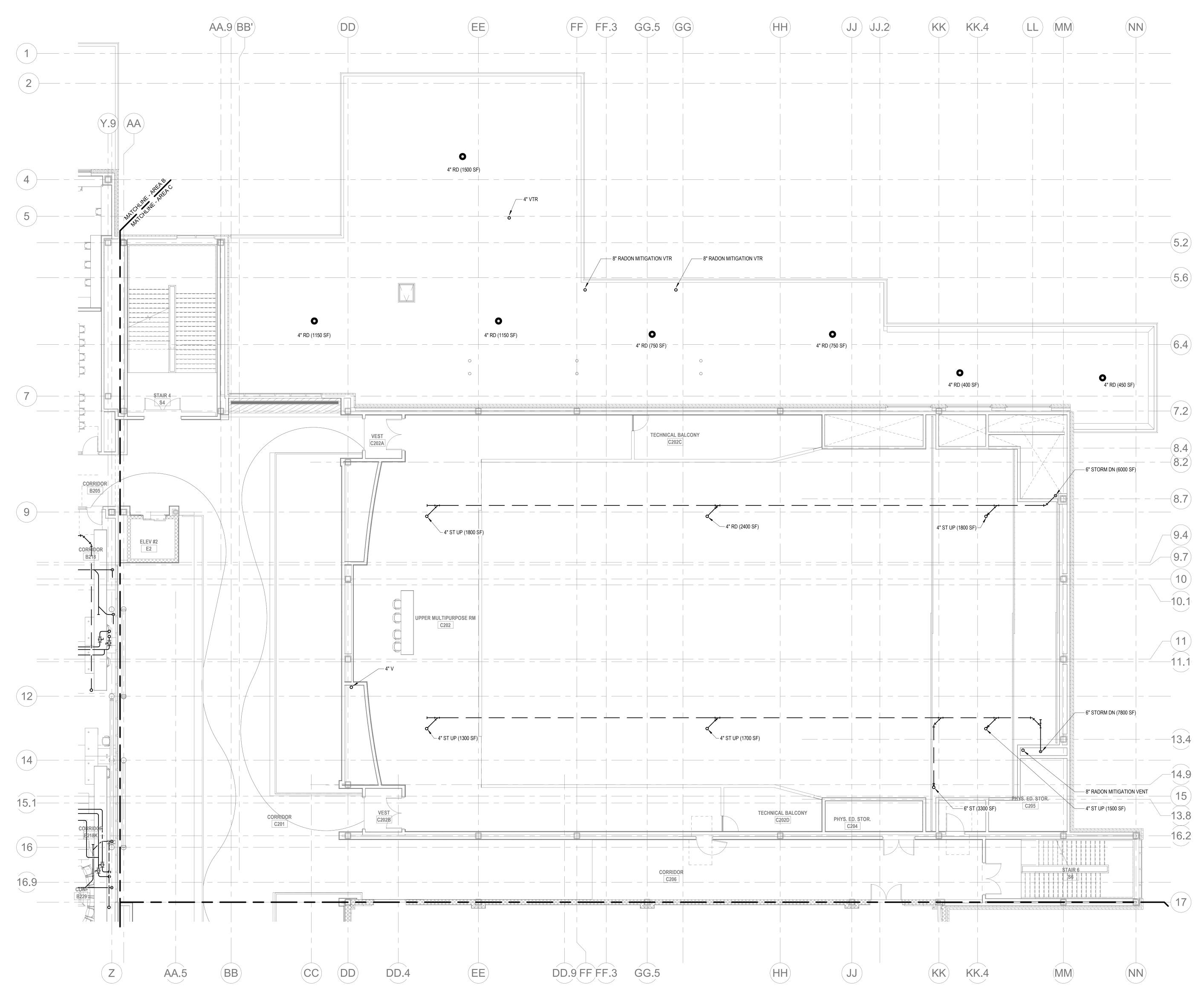
HT 2021 DRUMMEY ROSANE ANDERSON IN



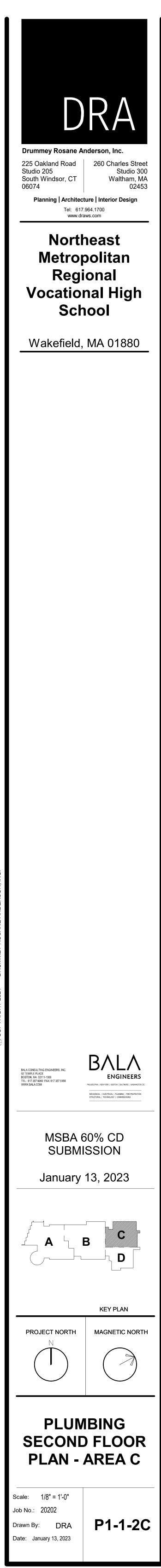


P1-1-2B 1/8" = 1'-0"

<u>(5.2</u> ) <u>(5.6</u> )		<section-header><section-header><section-header><text><text><text><text><text><text><text><text></text></text></text></text></text></text></text></text></section-header></section-header></section-header>
<u>6.4</u> <u>7.2</u>		
	C COPYRIGHT 2021 DRUMMEY ROSANE ANDERSON, INC.	
20		<text><text><text><text><text><text><text><text><text></text></text></text></text></text></text></text></text></text>
21.8 22.3 22.6		ROJECT NORTH N N D MAGNETIC NORTH MAGNETIC NORTH N D D D D D D D D D D D
		SECOND FLOOR PLAN - AREAB Scale: 1/8" = 1'-0" Job No.: 20202 Drawn By: DRA Date: January 13, 2023

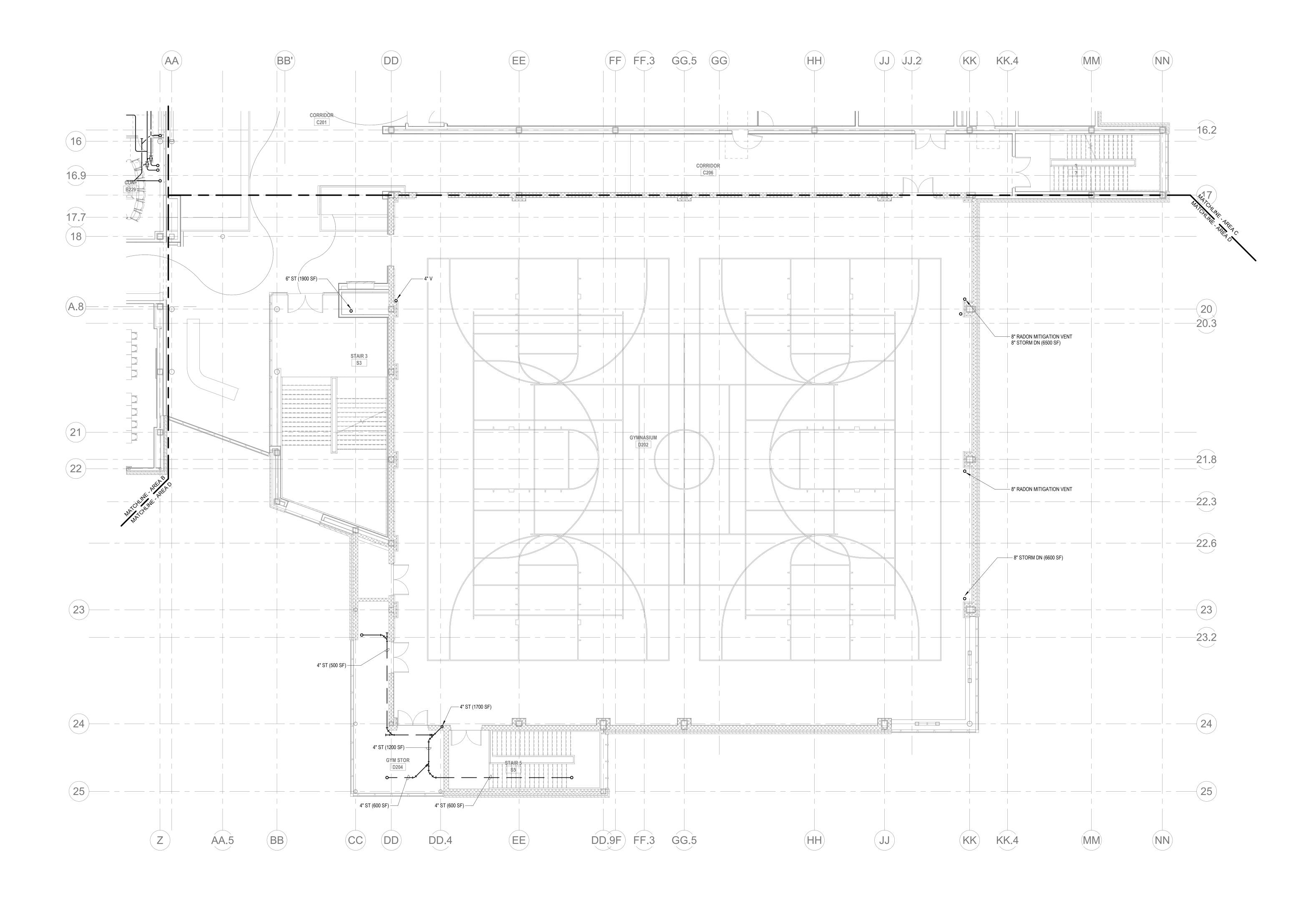


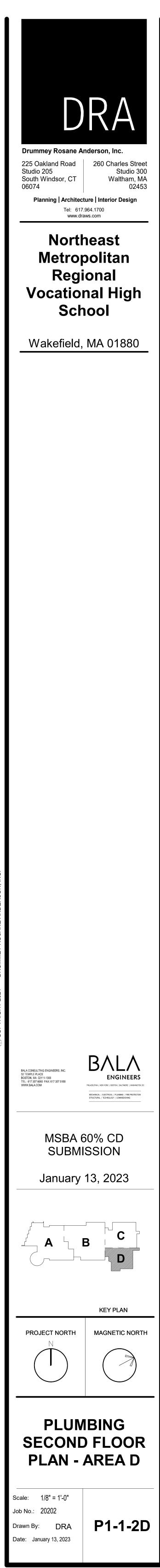
1 PLUMBING Level 2 Area C



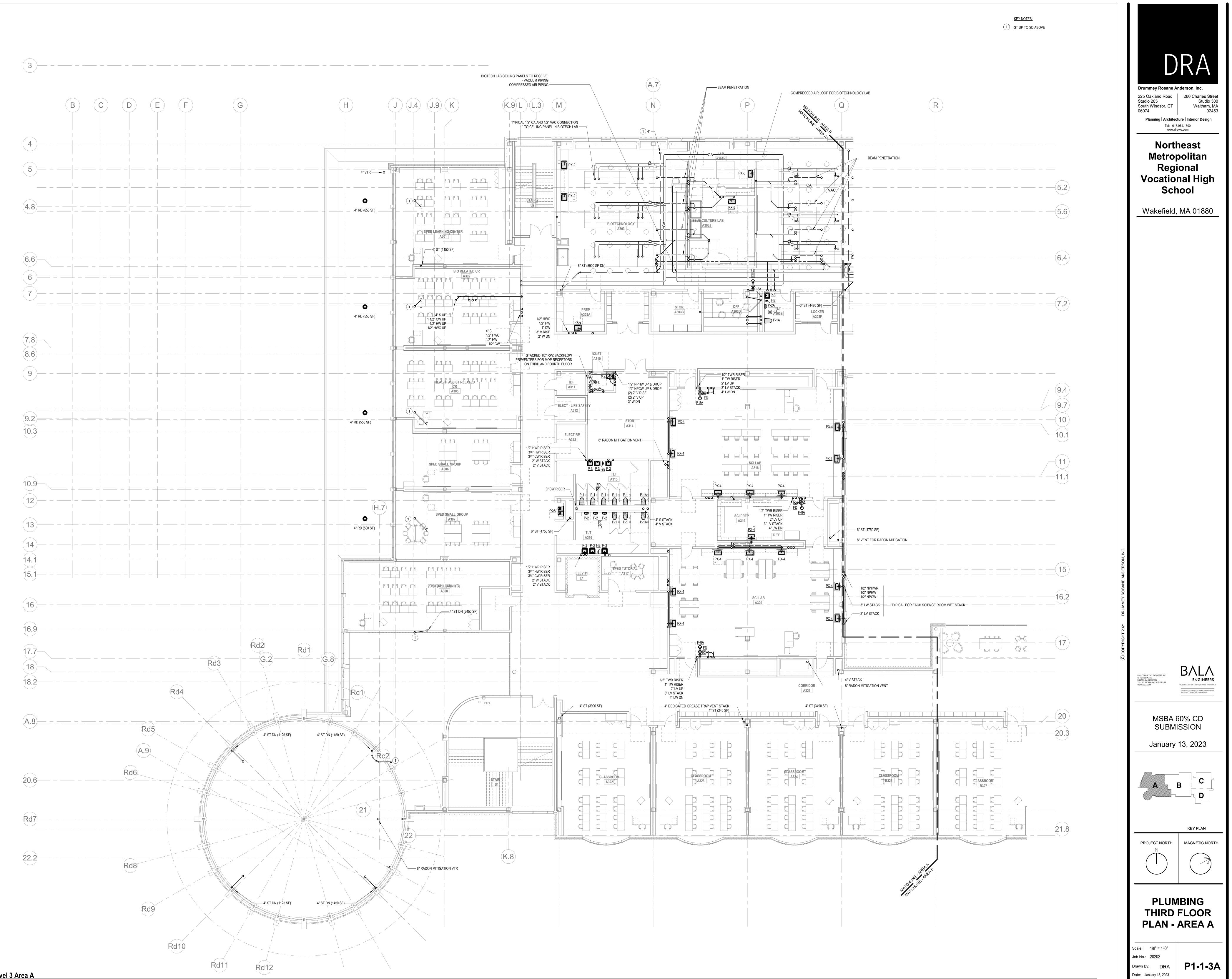
HT 2021 DRUMMEY ROSANE ANDERSON

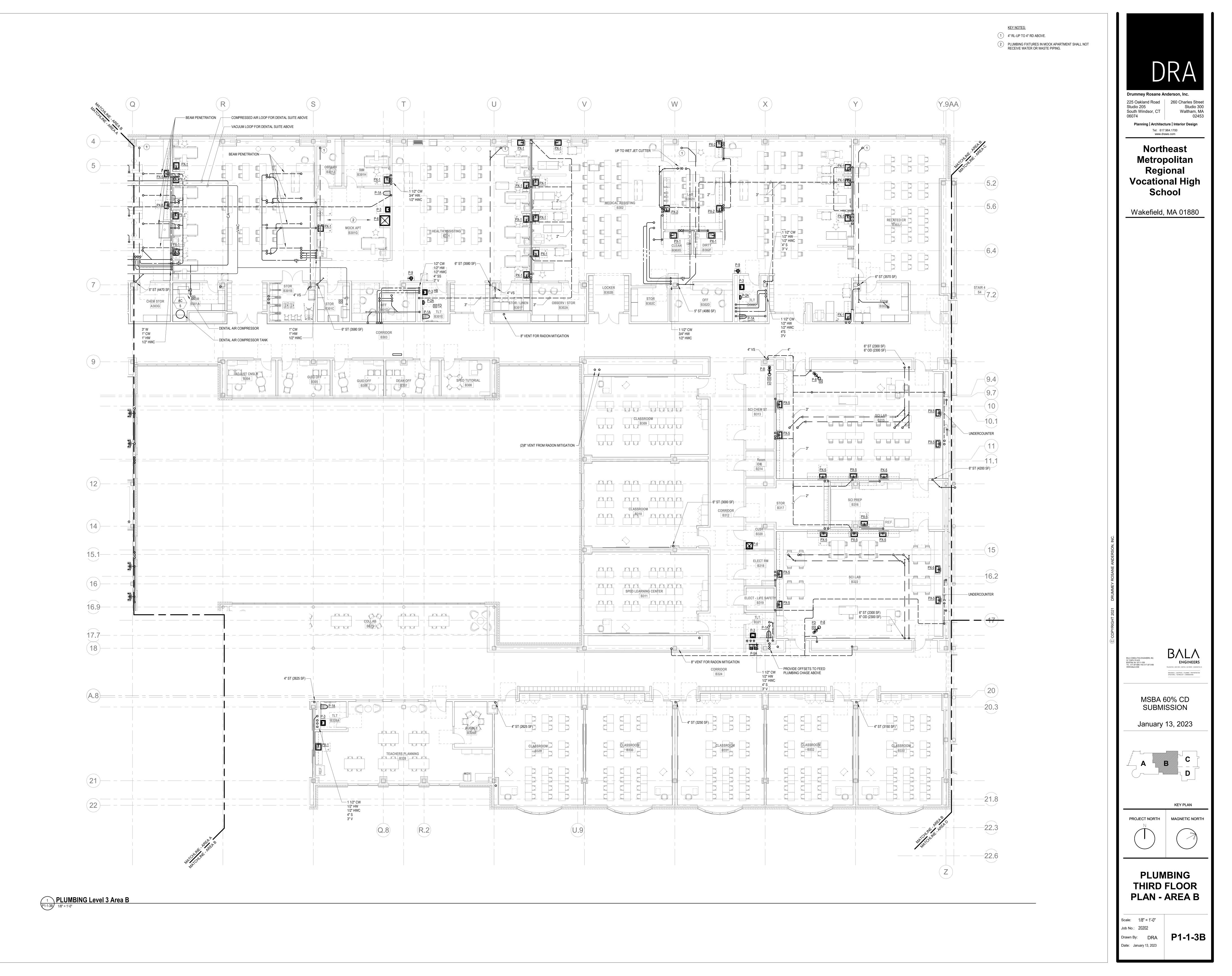
## 1 PLUMBING Level 2 Area D P1-1-2D 1/8" = 1'-0"

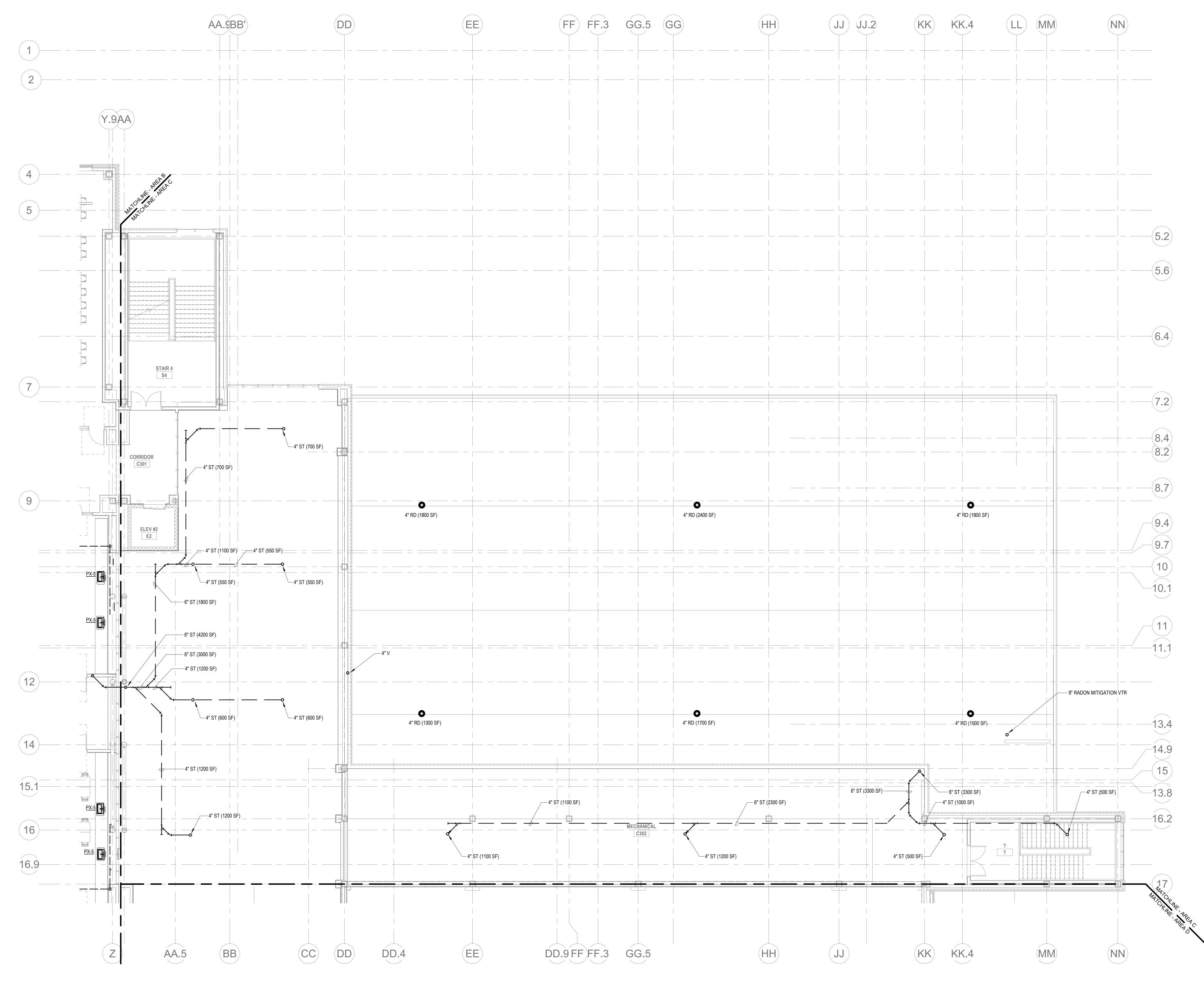




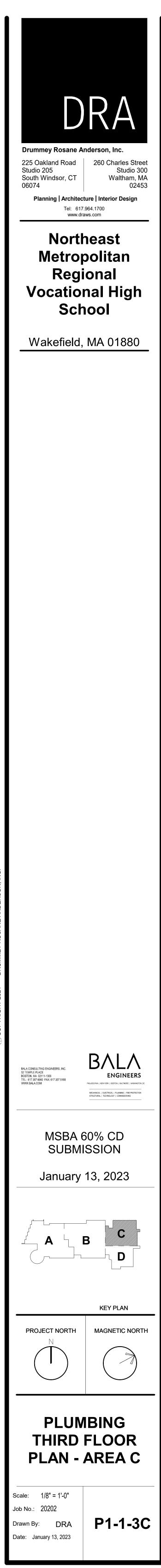
HT 2021 DRUMMEY ROSANE ANDERSON IN



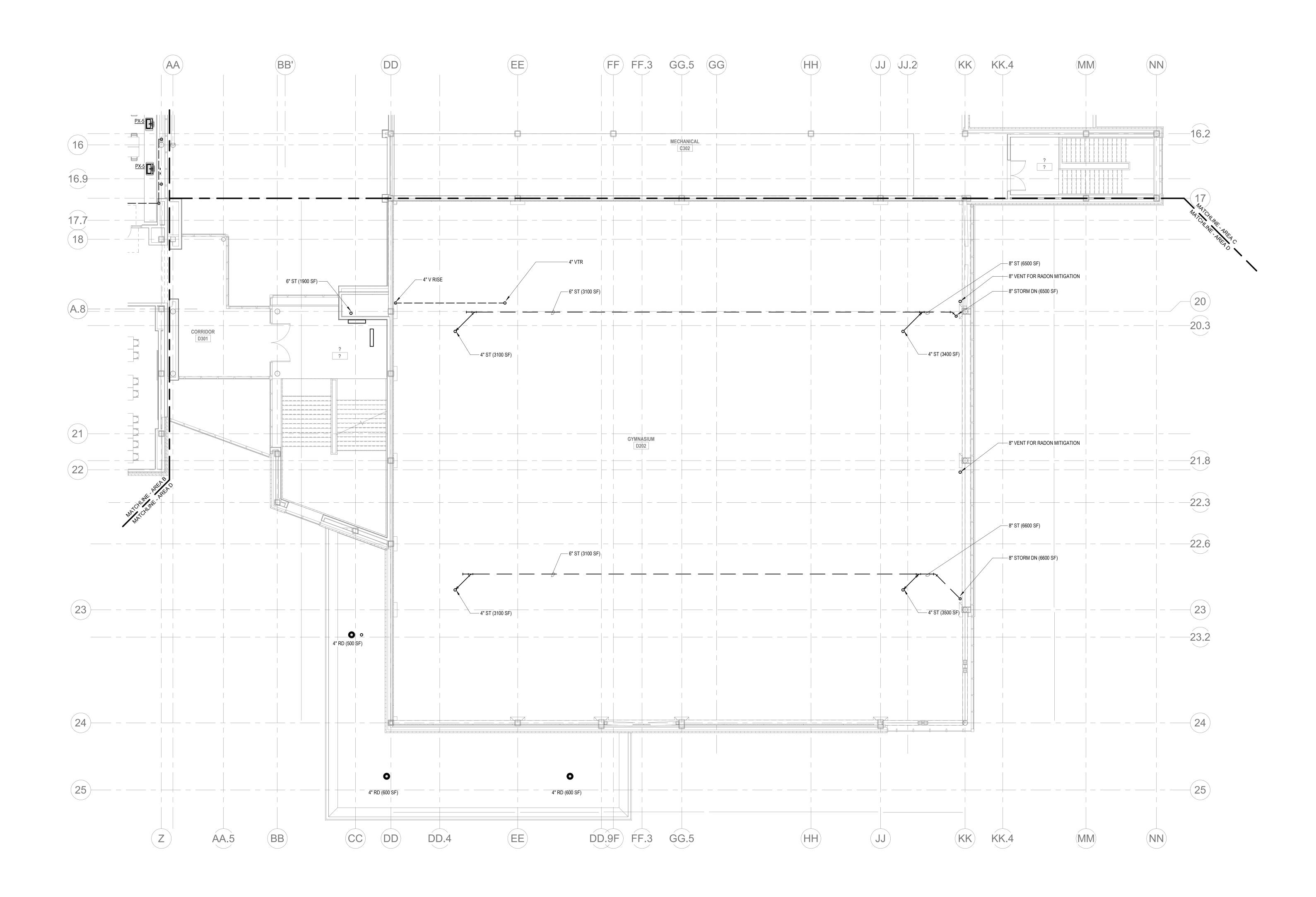




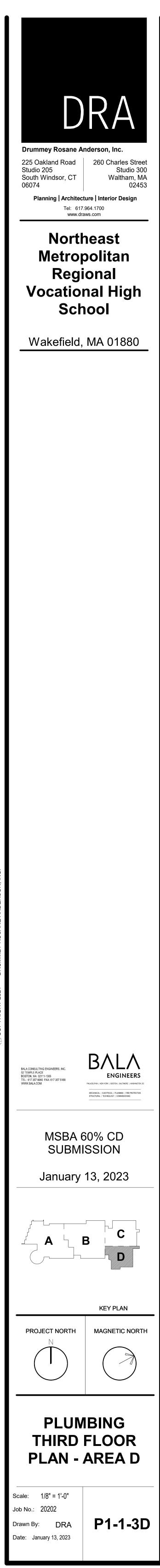
1 PLUMBING Level 3 Area C



HT 2021 DRUMMEY ROSANE ANDERSON



1 P1-1-3D PLUMBING Level 3 Area D 1/8" = 1'-0"



HT 2021 DRUMMEY ROSANE ANDERSON II

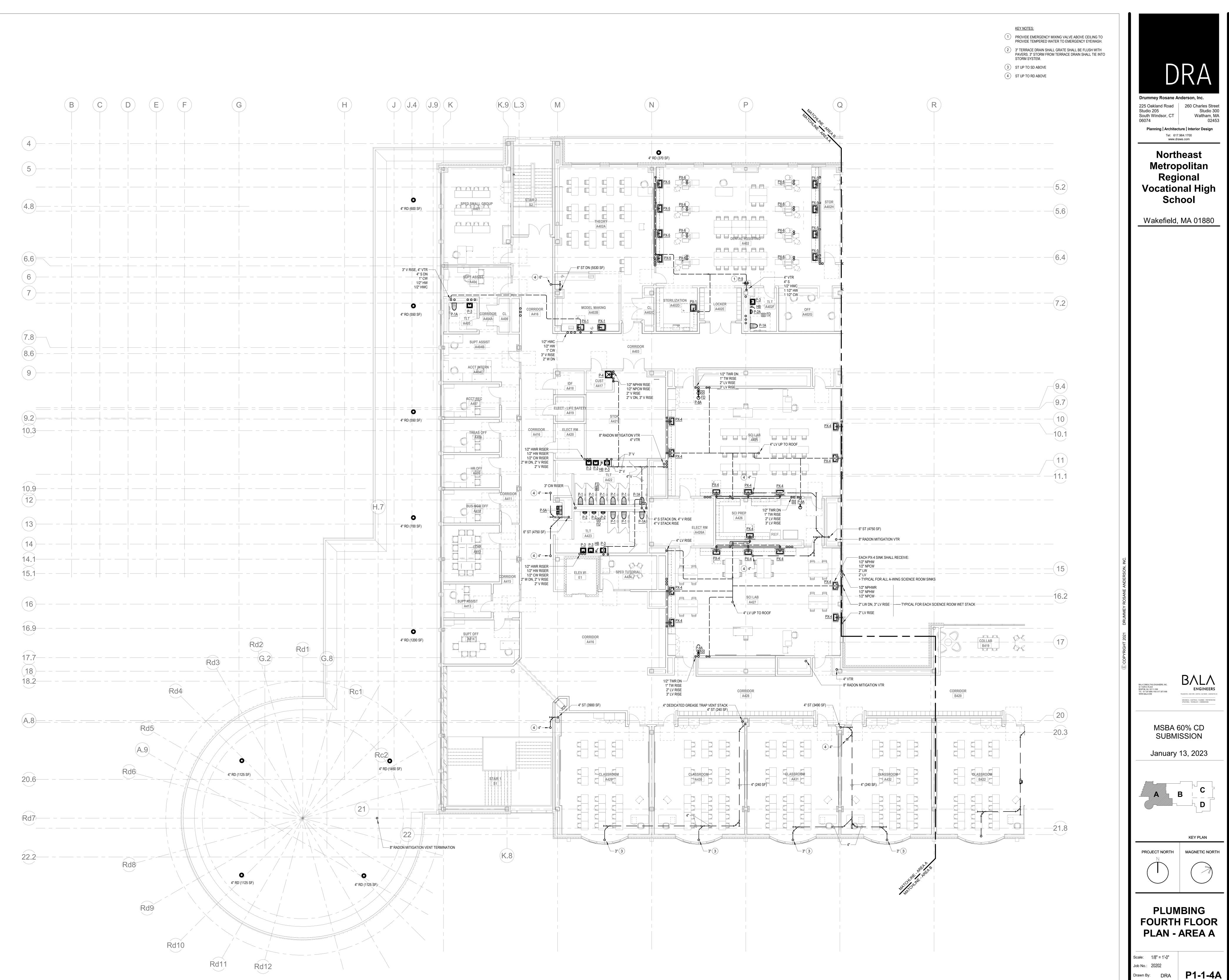
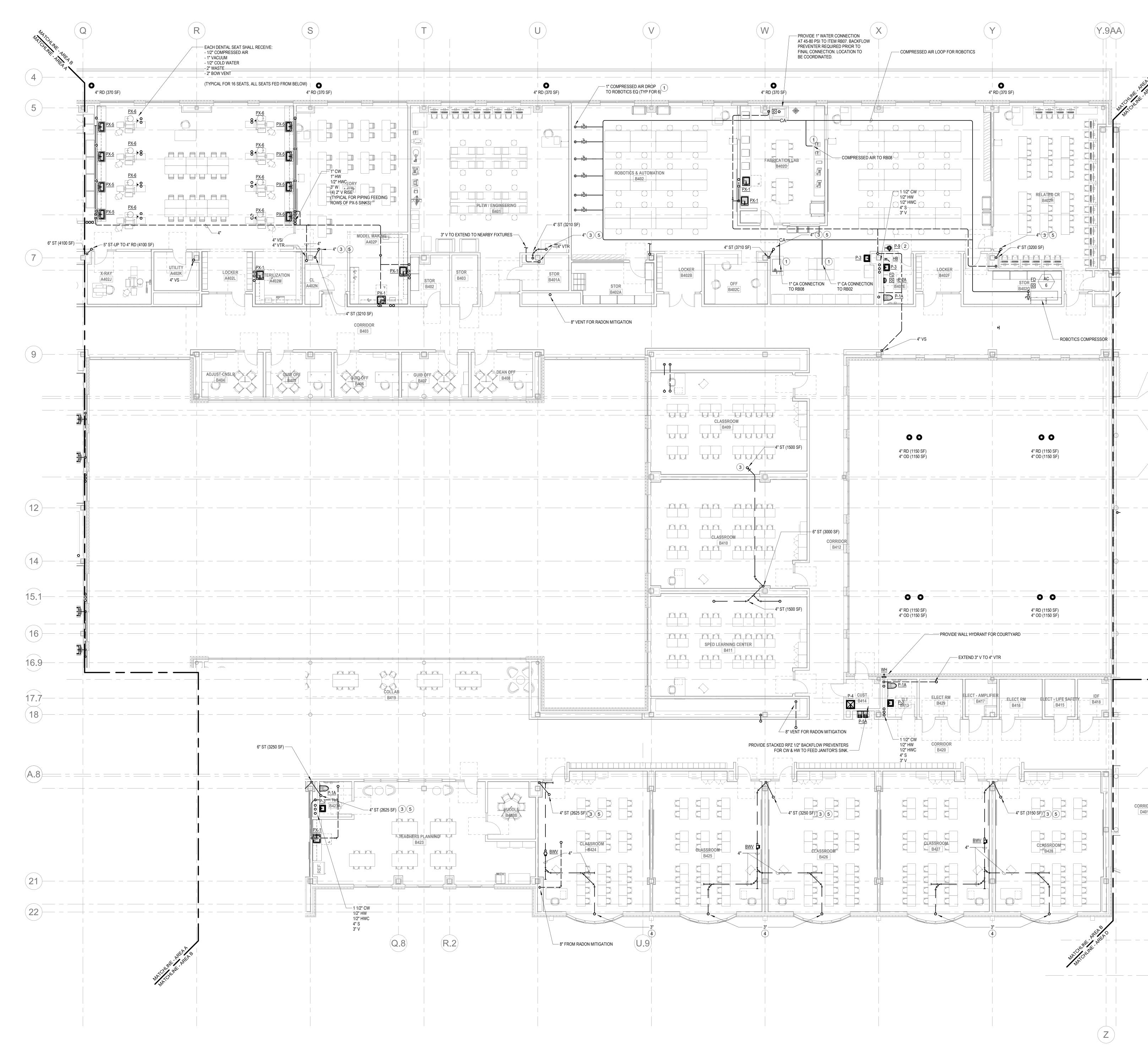


 Image: Plane base of the second state of the seco

Date: January 13, 2023



P1-1-4B PLUMBING Level 4 Area B

<ol> <li>(1)</li> <li>(2)</li> <li>(3)</li> <li>(4)</li> <li>(5)</li> </ol>	<ul> <li>EACH COMPRESSED AIR DROP SHALL INCLUDE A SHUTOFF VALVE, AIR FILTER, PRESSURE GAUGE, CONDENSATE SEPARATOR AND AIR PRESSURE REGULATOR.</li> <li>PROVIDE EMERGENCY MIXING VALVE ABOVE CEILING TO PROVIDE TEMPERED WATER TO EMERGENCY EYEWASH.</li> <li>RL-UP TO RD ABOVE.</li> <li>RL-UP TO SD ABOVE.</li> </ul>		Image: Constraint of the image: Constrai
			Northeast Metropolitan Regional Vocational High School
			Wakefield, MA 01880
6.4			
$ \begin{array}{c}                                     $			
-15 -16.2		© COPYRIGHT 2021 DRUMMEY ROSANE ANDERSON, INC.	<image/> <image/> <image/> <text><text></text></text>
20 20.3 RRIDOR 2401			MSBA 60% CD SUBMISSION January 13, 2023
21.8 22.3 22.6			A     B     C
			PLUMBING DURADA AREABScale:1/8" = 1'.0"Scale:1/8" = 1'.0"Job No:20202Drawn By:DRADate:January 13, 2023

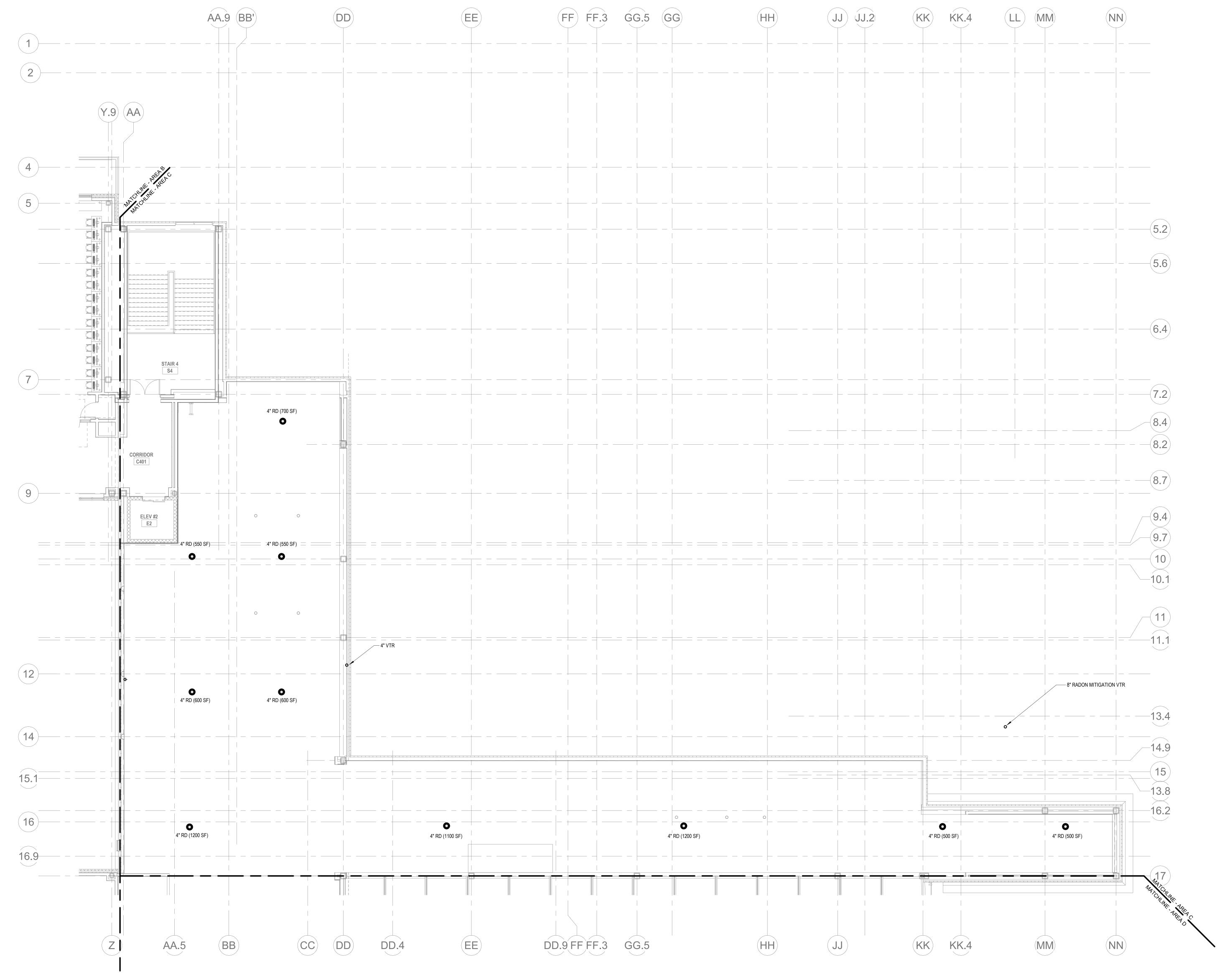
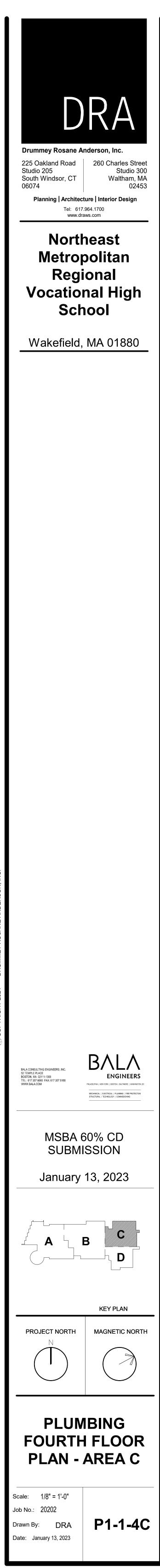
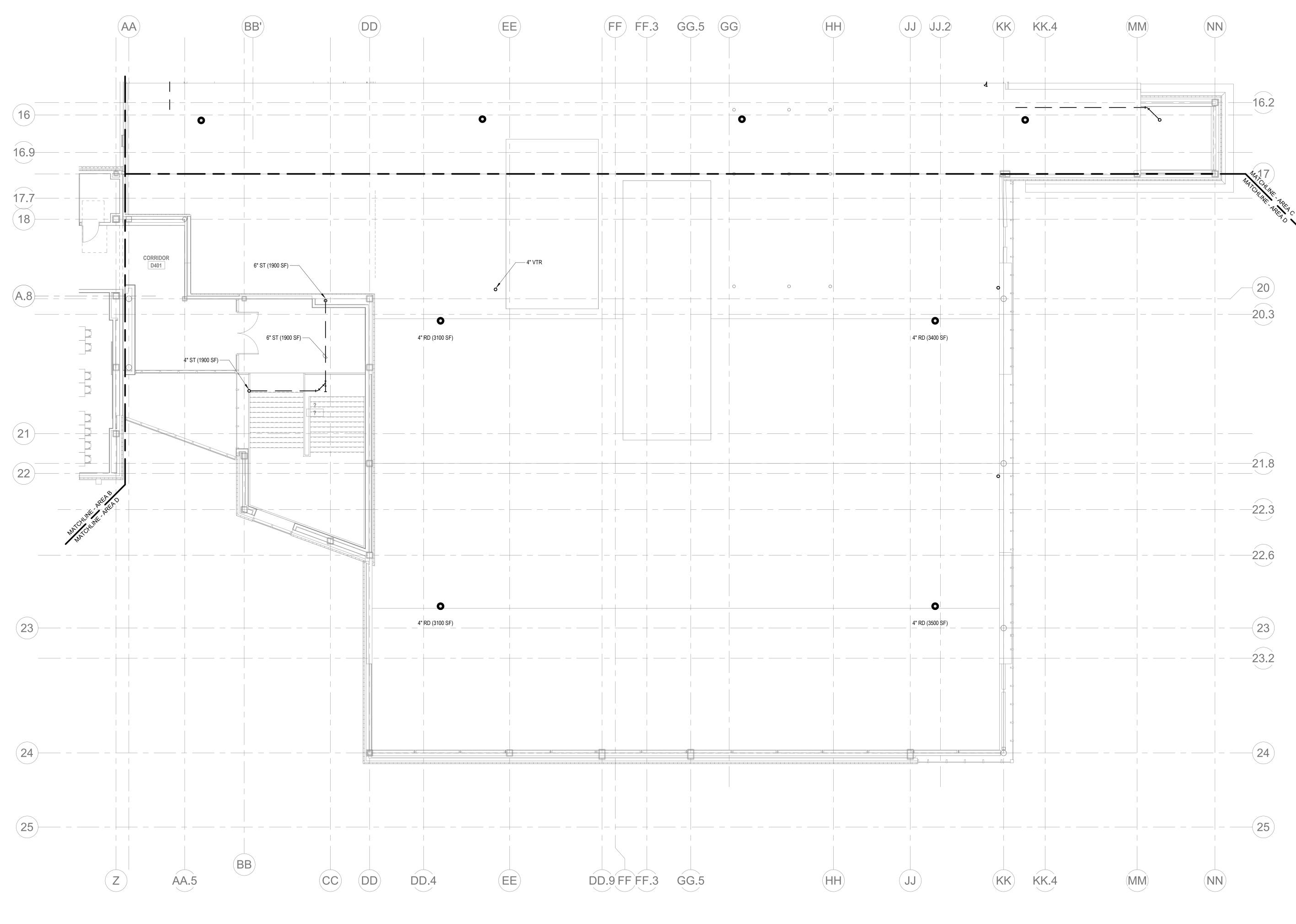


 Image: Plane base of the second se



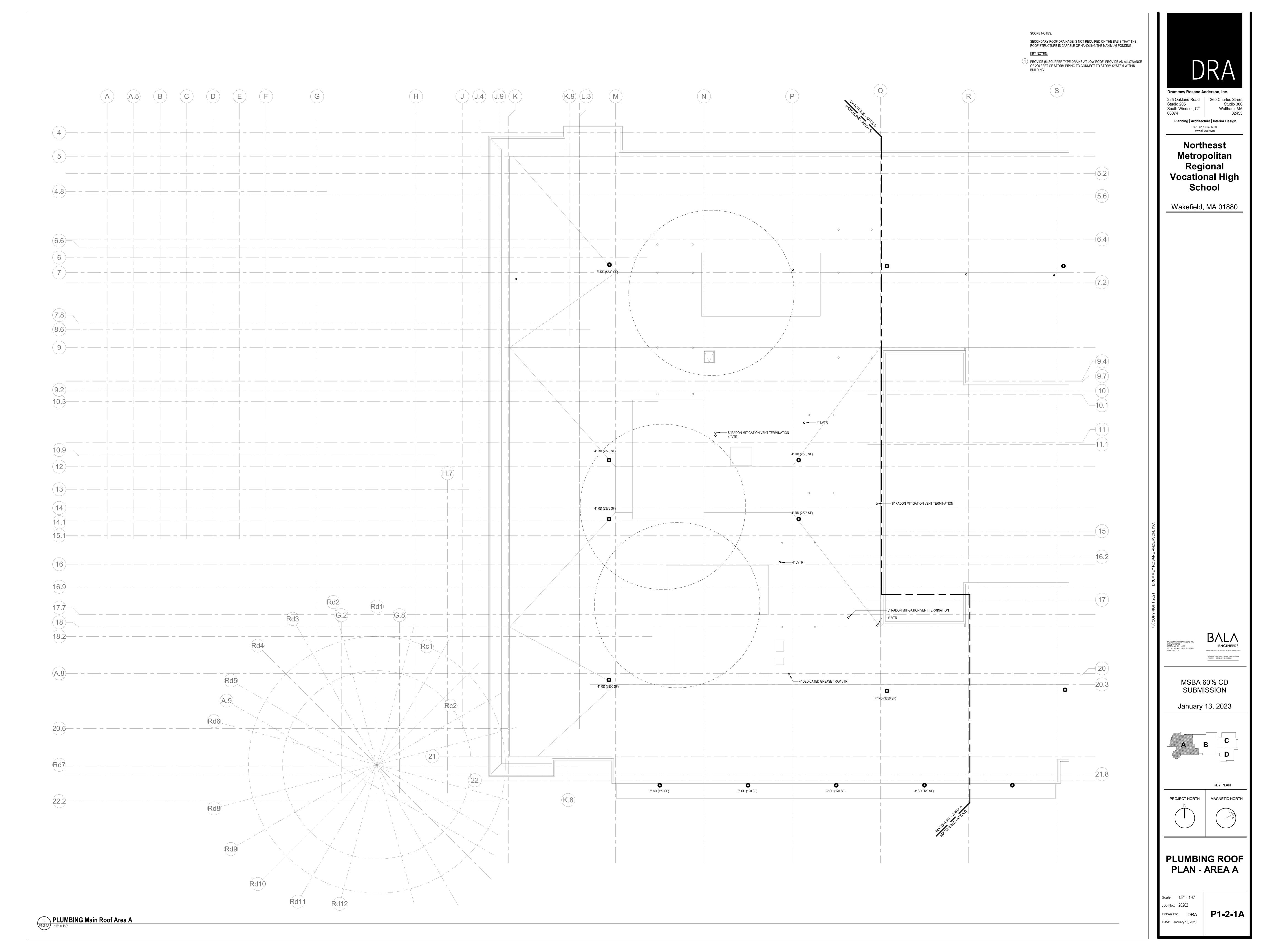
HT 2021 DRUMMEY ROSANE ANDERSON

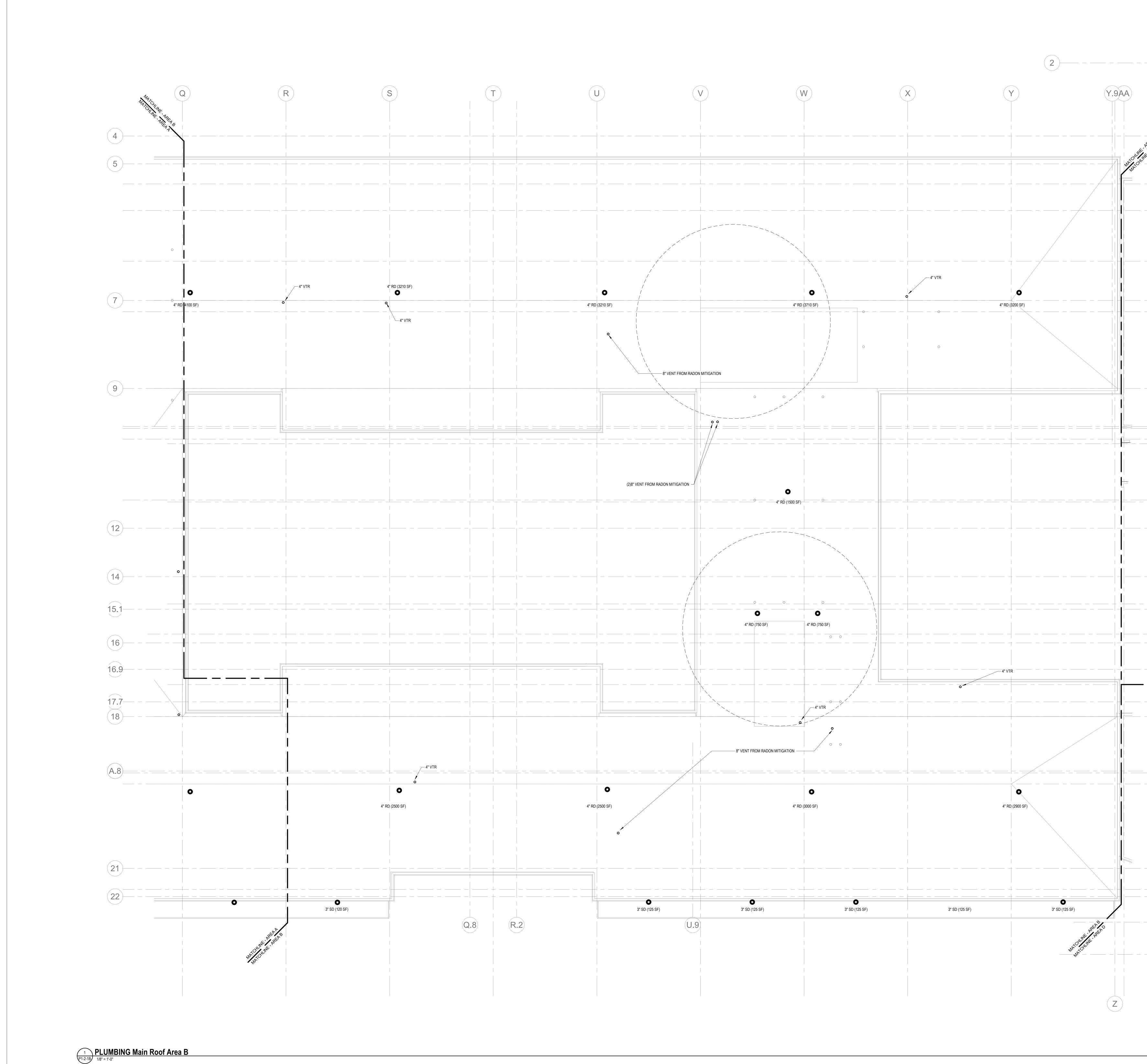


 1
 PLUMBING Level 4 Area D

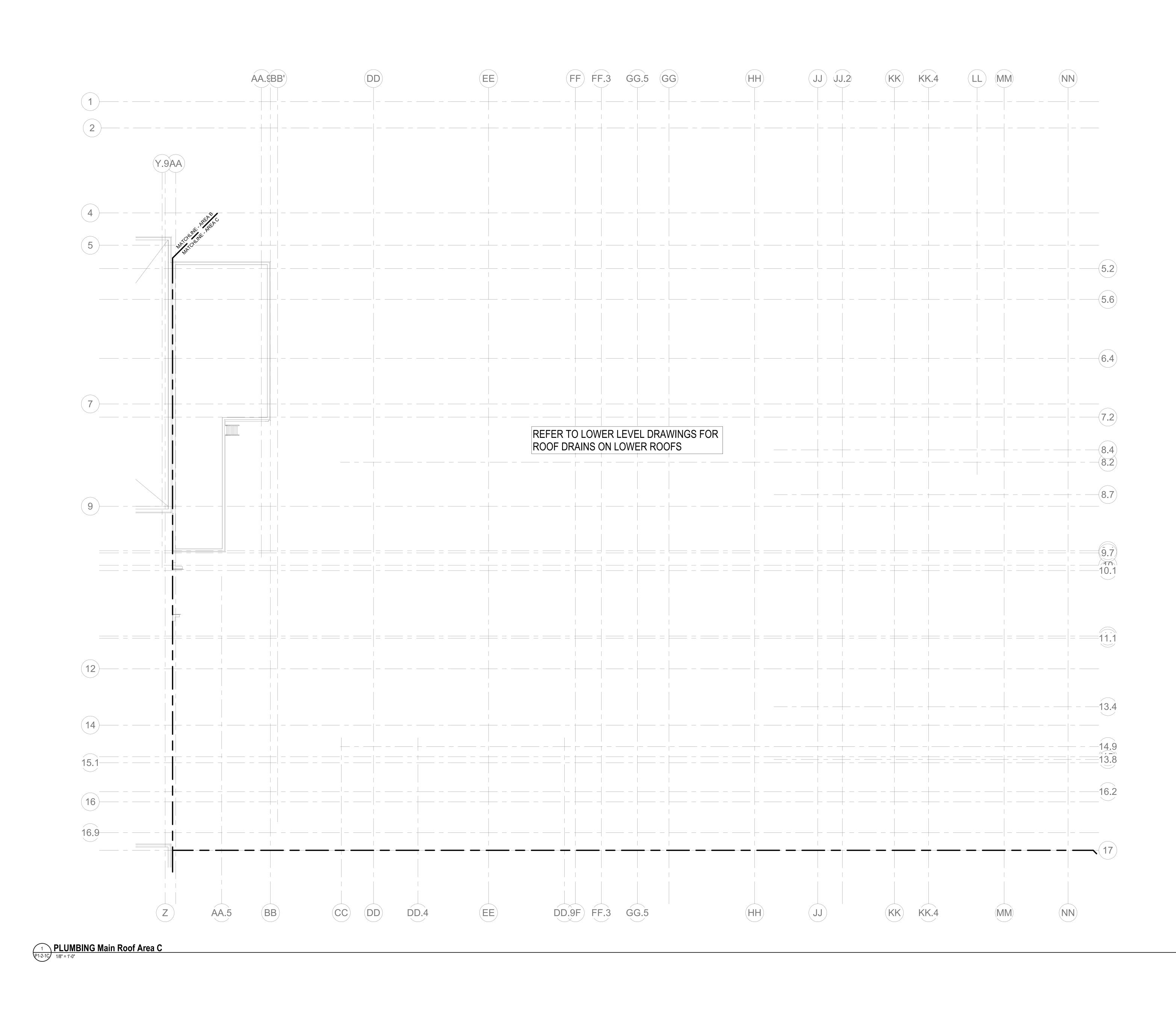
 P1-1-4D
 1/8" = 1'-0"

	DRAA         Drummey Rosane Anderson, Inc.         225 Oakland Road         Studio 205         South Windsor, CT         06074         Planning   Architecture   Interior Design         Tel: 617.964.1700         www.draws.com
	Northeast Metropolitan Regional Vocational High School
	Wakefield, MA 01880
DRUMMEY ROSANE ANDERSON, INC.	
	RALA CONSULTING ENGINEERS, INC. 27 EMPLE PLACE 26 EXT 357 0800 FAX: 617 357 5188 WW.BALA.COM MCMARLS ACCOM MCMARLS ACCOM
	January 13, 2023
	N       MAGNETIC NORTH         N       Image: Comparison of the second sec
	PLUMBING FOURTH FLOOR PLAN - AREA D
	Scale: 1/8" = 1'-0" Job No.: 20202 Drawn By: DRA Date: January 13, 2023

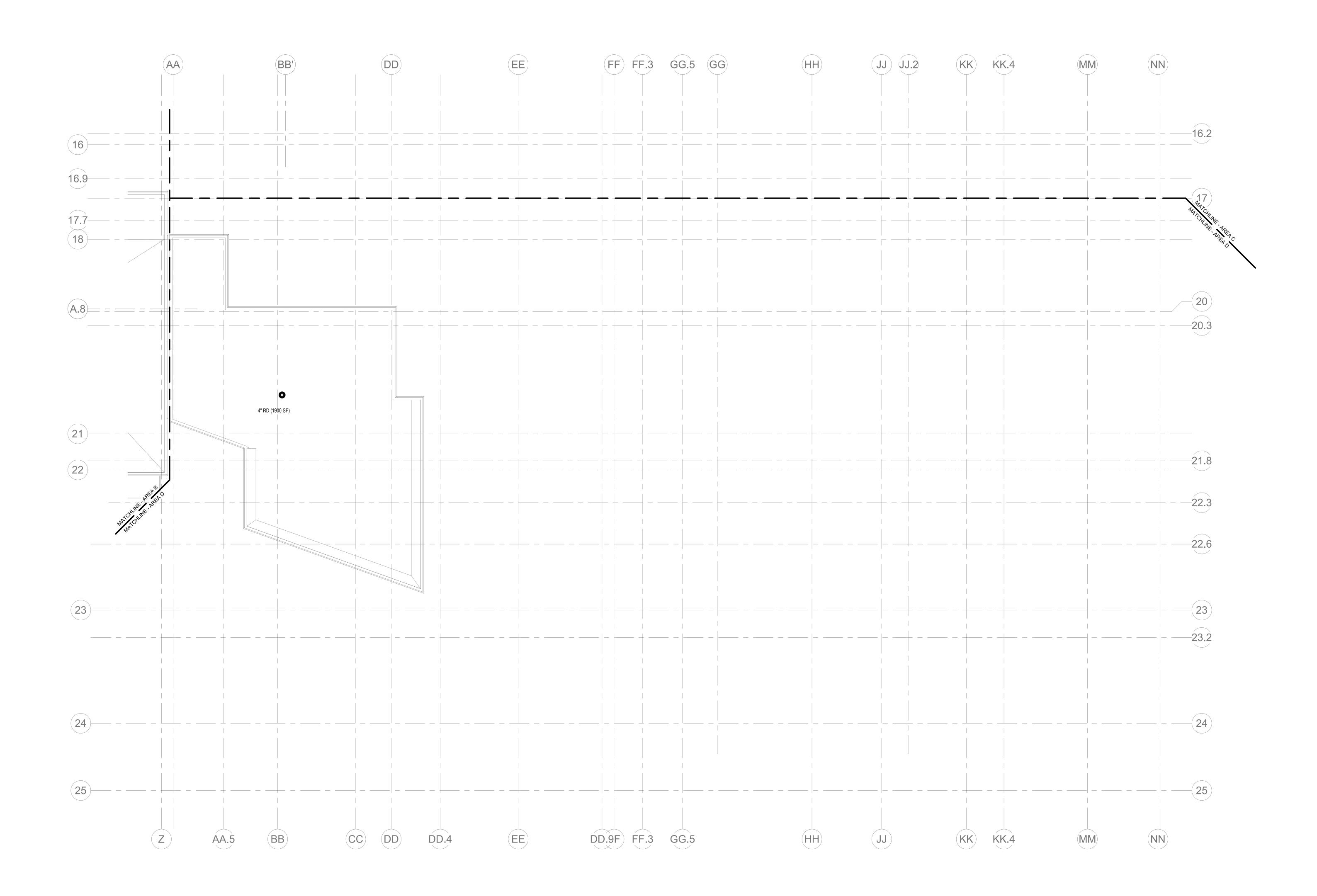




	SCOPE NOTES: SECONDARY ROOF DRAINAGE IS NOT REQUIRED ON THE BASIS THAT THE ROOF STRUCTURE IS CAPABLE OF HANDLING THE MAXIMUM PONDING. KEY NOTES:		
(1)	PROVIDE (5) SCUPPER TYPE DRAINS AT LOW ROOF. PROVIDE AN ALLOWANCE OF 200 FEET OF STORM PIPING TO CONNECT TO STORM SYSTEM WITHIN BUILDING.		DRA
			Drummey Rosane Anderson, Inc.225 Oakland Road Studio 205 South Windsor, CT 06074260 Charles Street Studio 300 Waltham, MA 02453
ALL C			Planning Architecture Interior Design Tel: 617.964.1700 www.draws.com Northeast
H. AREAC			Metropolitan Regional
(5.2)			Vocational High School
			Wakefield, MA 01880
6.4			
7.0			
(7.2)			
9.7			
-10.1			
		I, INC.	
15		DRUMMEY ROSANE ANDERSON, INC	
16.2		DRUMMEY ROS	
17	_	COPYRIGHT 2021	
		(C) COP	BALA CONSULTING ENGINEERS, INC.
			52 TEMPLE PLACE BOSTON, MA 02111-1306 TEL: 617 357 5060 FAX: 617 357 5188 WWW.BALA.COM PHLADELPHA   NEW YORK   BOSTON   BALTMORE   WASHINGTON DC MECHANICAL   ELECTRICAL   PLANING   PRE-PROTECTION STRUCTURAL   TECHNICLOGY   COMMISSIONING
20			MSBA 60% CD SUBMISSION
			January 13, 2023
21.8			
			KEY PLAN       PROJECT NORTH       N
22.6			
			PLUMBING ROOF PLAN - AREA B
			Scale: 1/8" = 1'-0"
			Job No.: 20202 Drawn By: DRA Date: January 13, 2023



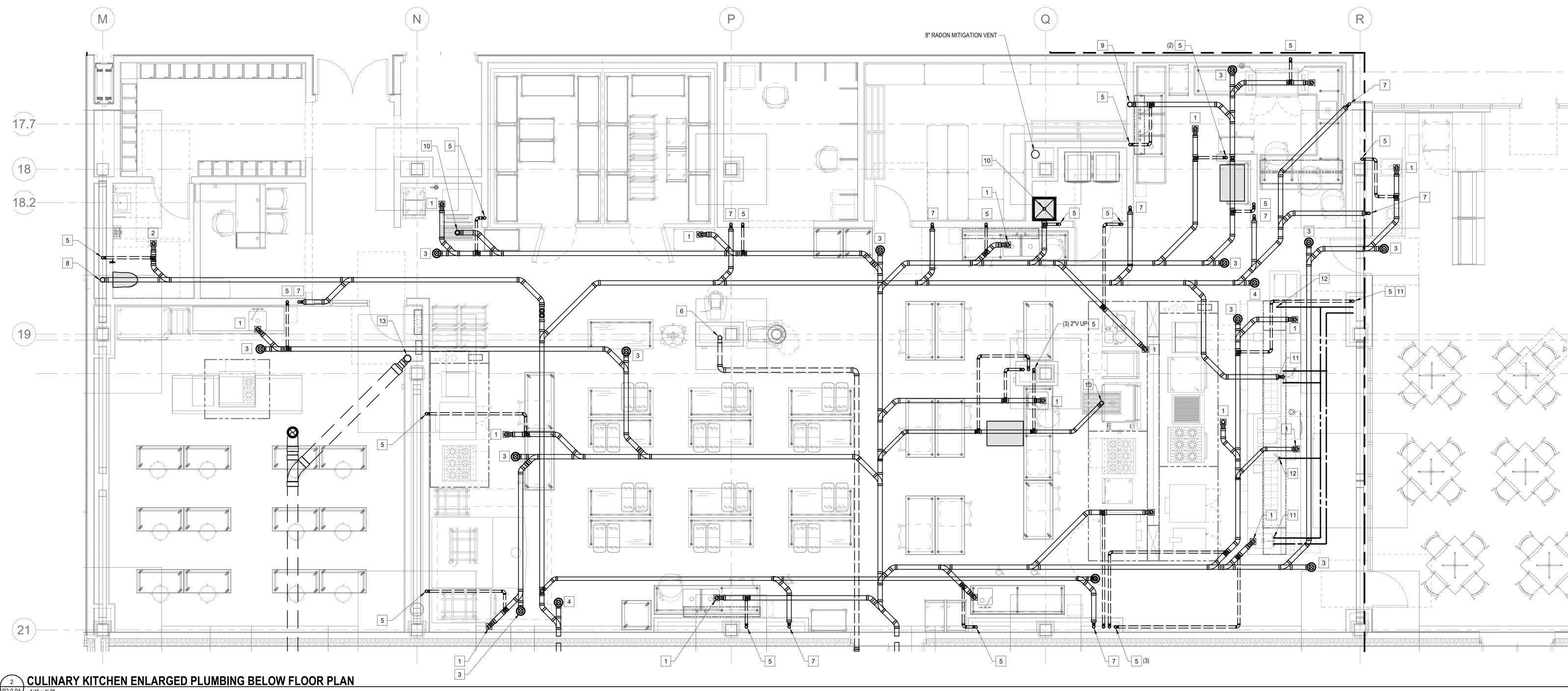
SCOPE NOTES: SECONDARY ROOF DRAINAGE IS NOT REQUIRED ON THE BASIS THAT THE ROOF STRUCTURE IS CAPABLE OF HANDLING THE MAXIMUM PONDING.		<section-header><section-header><section-header><section-header><text><text><text><text><text><text></text></text></text></text></text></text></section-header></section-header></section-header></section-header>
	DRUMMEY ROSANE ANDERSON, INC.	
	C) COPYRIGHT 2021	<text><text><text><text><text><section-header><section-header></section-header></section-header></text></text></text></text></text>
		<text><text><image/><section-header><section-header><section-header><section-header><section-header><section-header><section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></text></text>





SCOPE NOTES:		
SECONDARY ROOF DRAINAGE IS NOT REQUIRED ON THE BASIS THAT THE ROOF STRUCTURE IS CAPABLE OF HANDLING THE MAXIMUM PONDING.		
		DRA Drummey Rosane Anderson, Inc.
		225 Oakland Road Studio 205 South Windsor, CT 06074260 Charles Street Studio 300 Waltham, MA 02453Planning   Architecture   Interior Design 
		Northeast Metropolitan
		Regional Vocational High School
		Wakefield, MA 01880
	ANDERSON, INC.	
	DRUMMEY ROSANE A	
	COPYRIGHT 2021 DRU	
	C) COPYRI	BALA CONSULTING ENGINEERS, INC.
		BALA CONSULTING ENGINEERS, INC. 52 TEMPLE PLACE BOSTON, MA 02111-1306 TEL: 617 357 6060 FAX: 617 357 5188 WWW.BALA.COM PHLAGELPINA   NEW YORK   BOSTON   BALTMORE   WASHINGTON, DC MECHANICAL   ELECTRICAL   PLUMBING   FRE PROTECTION BTRUCTURAL   TECHNICICOP   COMMISSIONING
		MSBA 60% CD SUBMISSION
		January 13, 2023
		A G D
		KEY PLAN
		PROJECT NORTH MAGNETIC NORTH
		PLUMBING ROOF PLAN - AREA D
		Scale: 1/8" = 1'-0" Job No.: 20202
		Drawn By: DRA P1-2-1D Date: January 13, 2023





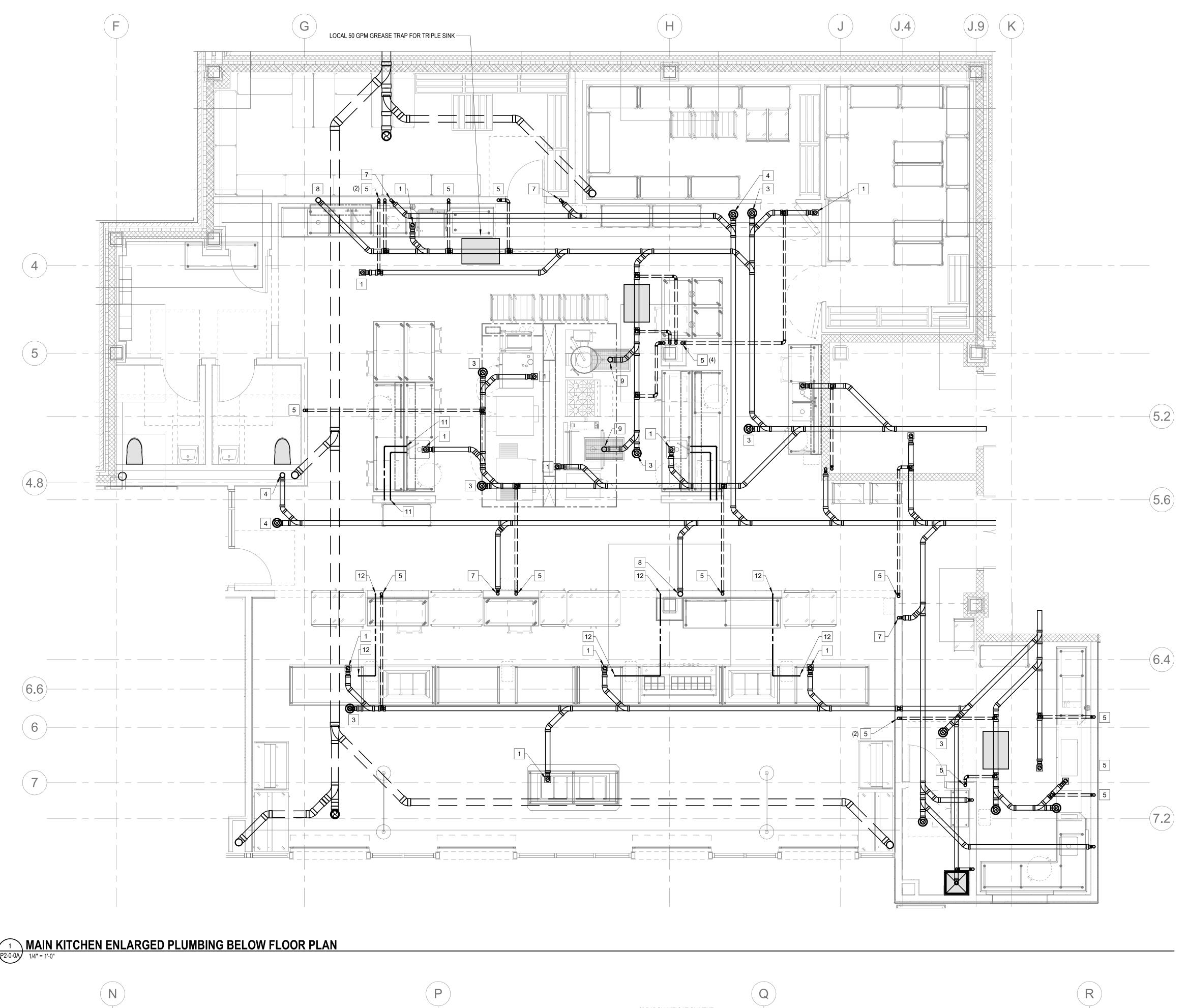


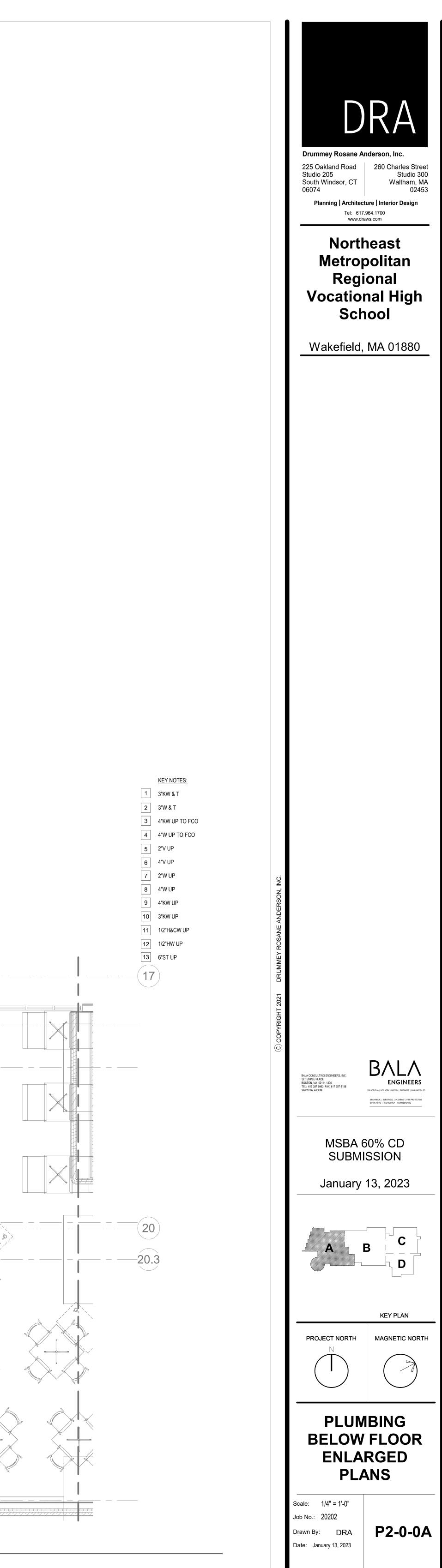


4

5

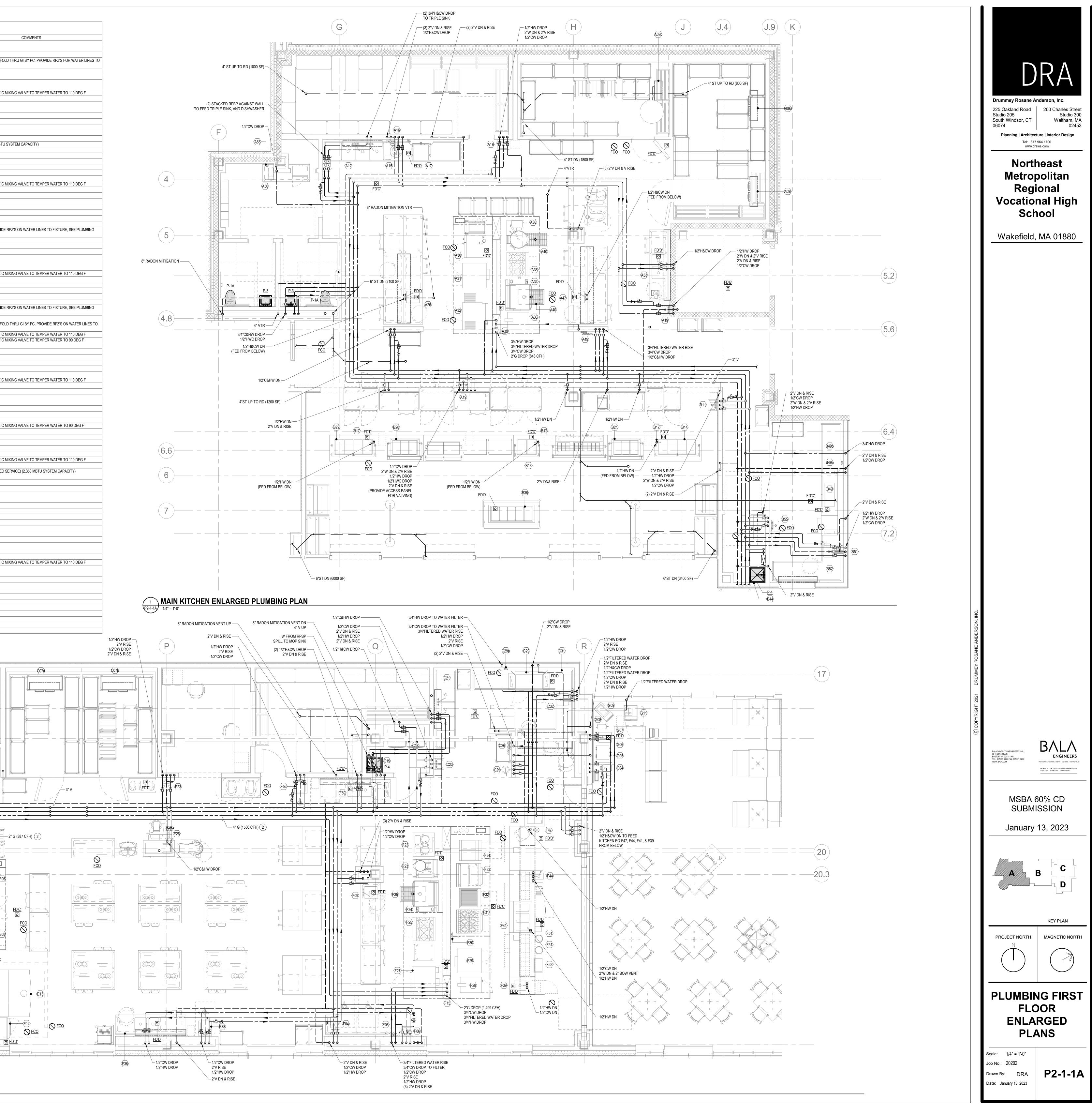
(4.8)  $\checkmark$ 

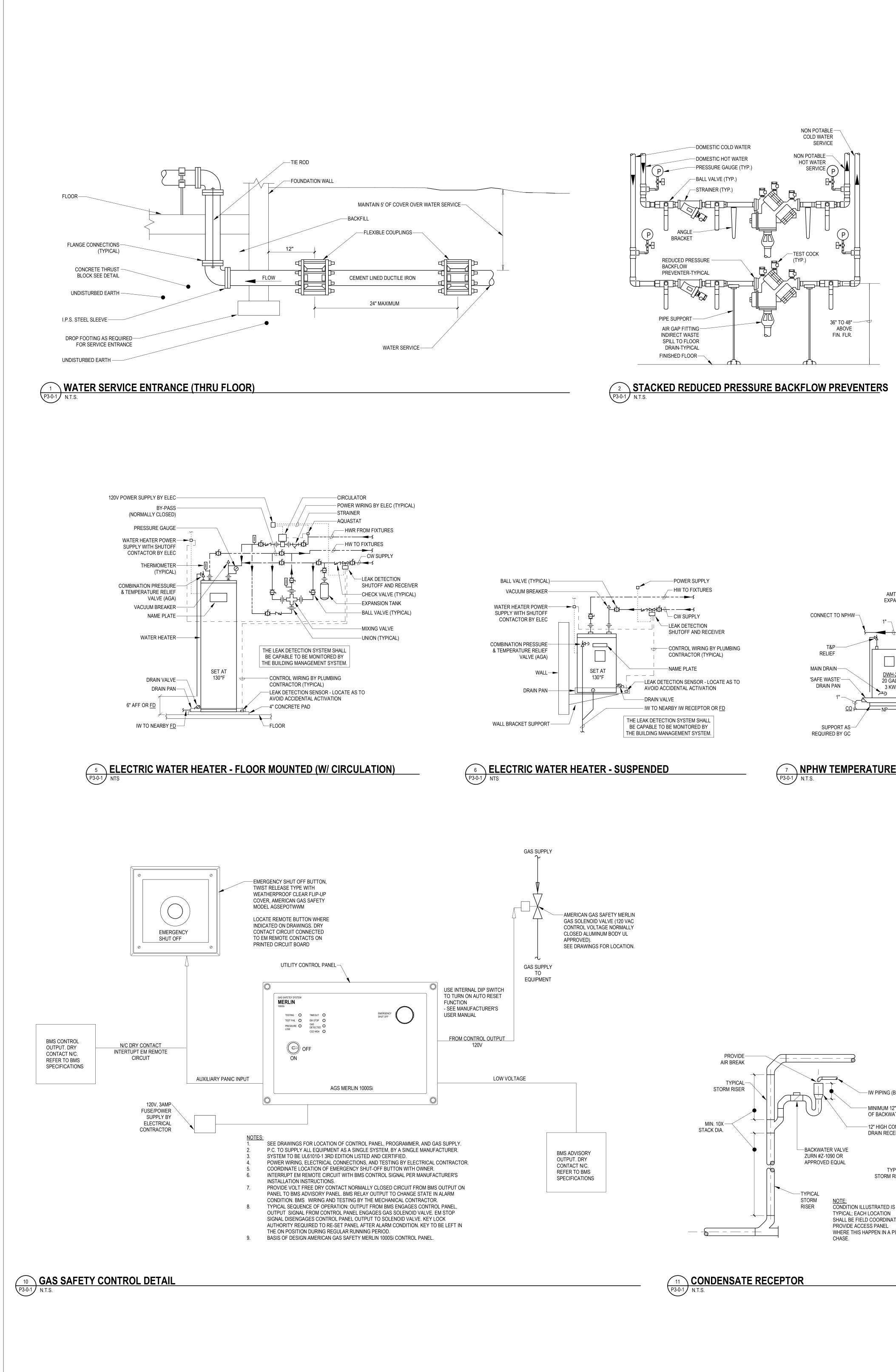


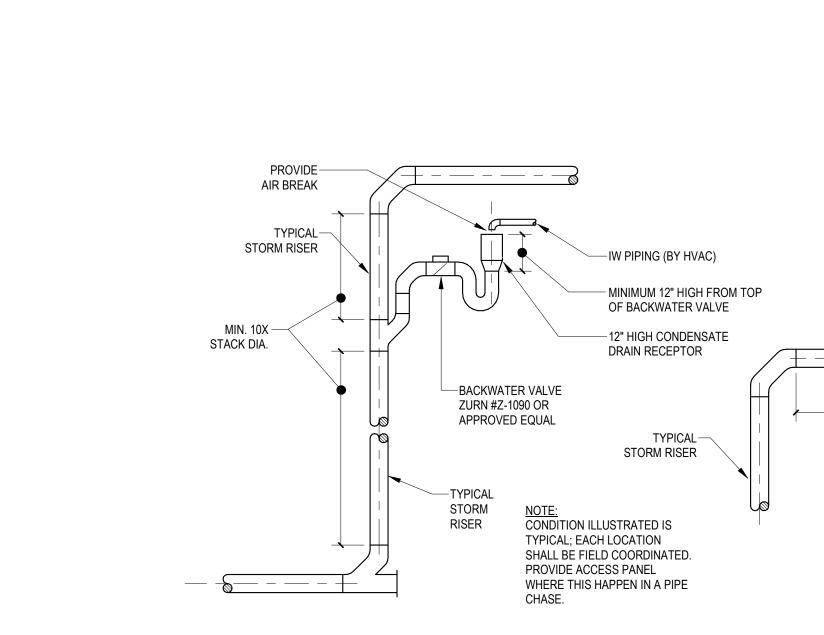


A09f A12	1 1 1	DESCRIPTION COOLER EVAPORATOR COIL FREEZER EVAPORATOR COIL FREEZER EVAPORATOR COIL	CW	HW			IW 1" 1" 1"	
A15	1	THREE-COMPARTMENT SINK DISPOSER	(2) 3/4"	2 (3/4")		(3) 2"		120°F HW, WASTE FIXTURE
\16 \17	1 1	HOSE REEL ASSEMBLY WAREWASHER, DOOR-TYPE, VENTLESS	1/2" 3/4" (55°F MIN) 1/2" (DRAIN TEMPERING)	1/2"			5/8" (TO FS)	
419 426 430	3	HAND SINK COOK'S WORK TABLE WITH SINK & OVERSHELF COMBINATION OVEN/STEAMER, ROLL-IN	1/2" 1/2" 3/4"	1/2" 1/2"	3/4"	1-1/2"	2" (TO FS) 2" (TO FS)	PROVIDE THERM
431 432	1 1 1	DOUBLE CONVECTION OVEN CONVEYER OVEN ON STAND			3/4" 3/4"			G @ 100 MBTU G @ 40 MBTU
433 434 435	1 1 1	TEN-PAN STEAMER FORTY-GALLON TILTING BRAISING PAN SIX-BURNER RANGE WITH OVEN	1/2" 1/2"	1/2"	3/4" 1/2" 3/4"		1-1/2" (TO FS)	G @ 84 MBTU G & 144 MBTU G & 215 MBTU
\36 \39 \40	1 1 2	FORTY-GALLON TILTING KETTLE UTILITY DISTRIBUTION SYSTEM FLOOR PAN & GRATE	1/2" (1) 3/4", (1) 3/4" (FILTERED)	1/2" 3/4"	1/2" 2"	3"		G & 100 MBTU G & 843 MBTU (1, W CONNECTION
\47 \49 \53	1 1 1	COOK'S WORK TABLE WITH SINK & OVERSHELF WATER FILTER ASSEMBLY PREP TABLE WITH SINKS	1/2" 3/4" 1/2"	1/2"		(2) 2" (TO FS)	2" (TO FS)	
\55 \56	1 1 1	WATER FILTER ASSEMBLY EXISTING COFFEE BREWER	1/2" 1/2" (FILTERED)					
311 314 317	1 1 3	HAND SINK HOT FOOD WELL ASSEMBLY, DROP IN FILL FAUCET	1/2"	1/2" 1/2"		1-1/2"	1/2" (MANIFOLD TO FS)	PROVIDE THERM
318 321 328	1 1 1	HOT FOOD WELL ASSEMBLY, DROP IN COLD PAN, DROP IN COLD PAN, DROP IN					1/2" (MANIFOLD TO FS) 1" (TO FS) 1" (TO FS)	
329 336 344	1 1 1	HOT FOOD WELL ASSEMBLY, DROP IN COLD PAN, DROP IN MOP SINK & SERVICE FAUCET (BY PC)	1/2"	1/2"			1/2" (TO FS) 1" (TO FS)	DRAIN IN FLOOR,
349 49a	1	EXISTING WAREWASHER, CONVEYER TYPE	1/2" (DRAIN TEMPERING)	3/4" 3/4"			1-1/4" ( TO FS)	FIXTURE SCHEDU
49b 351	1 1 1	BOOSTER HEATER, LARGE COMPACT HOSE REEL ASSEMBLY	1/2"	3/4" 1/2"				
352 355	1	SOILED TRAY TABLE WITH SCRAP SINK & INTEGRAL PASS-THRU WINDOW FRAME HAND SINK	1/2"	1/2"		2"		PROVIDE THERM
202 203 204	1 1 1	WATER FILTER ASSEMBLY ICE MAKER WITH BIN FLOOR PAN & GRATE	1/2" 1/2" (FILTERED)			3"	(1) 1/2", (1) 3/4" (TO FS)	W CONNECTION
07b 07d	1	COOLER EVAPORATOR COIL FREEZER EVAPORATOR COIL	4/01	1/2"			1" 1"	IW TO FD BY KEC IW TO FD BY KEC
C15 C18	1	MOP SINK & SERVICE FAUCET (BY PC) FRONT LOAD CLOTHES DRYER	1/2" 1/2"	1/2" 1/2"				DRAIN IN FLOOR, FIXTURE SCHEDU STANDPIPE W
C21 C23	1	THREE-COMPARTMENT SINK HAND SINK	(2) 3/4"	(2) 3/4" 1/2"		(3) 2"		120°F HW, WASTE FIXTURE PROVIDE THERM
25 26 29	1 1 1	EYE/FACE WASH WATER FILTER ASSEMBLY WAREWASHER, RACK CONVEYER	1/2" 3/4" 1/2" (DRAIN TEMPERING)	1/2"		1-1/2"	2" (TO FS)	PROVIDE THERM
29a :31	1 1	WATER FILTER ASSEMBLY SOILED WARE TABLE WITH SCRAP SINK		3/4"		2"		
232 204 207	1 1 1	HOSE REEL ASSEMBLY WORK COUNTER WITH SINK HAND SINK	1/2" 1/2" 1/2"	1/2" 1/2" 1/2"		1-1/2"	2" (TO FS)	PROVIDE THERM
011 06 07	1 1 1	TWO-BURNER/GRIDDLE RANGE WITH OVEN DONUT FRYER WITH FILTER DRAWER DOUBLE CONVECTION OVEN			3/4" 1/2" 3/4"			G & 135 MBTU, QI G @ 72 MBTU, QI G & 100 MBTU, QI
:08 :12	1 1	SIX-BURNER RANGE WITH OVEN WATER FILTER ASSEMBLY	3/4"		3/4"			G & 100 MBTU, QI G & 215 MBTU, QI
13 14 23	1 1 1	ROTATING DOUBLE RACK OVEN         ROLL-IN PROOFER CABINET         EYE/FACE WASH	1/2" (FILTERED) 1/2" (FILTERED) 1/2"	1/2"		1-1/2"	1/2" (TO FS) 1/2" (TO FS)	PROVIDE THERM
26 36 38	1 1 1	FILL FAUCET PREP TABLE WITH SINKS ADA COMPLIANT HAND SINK	1/2" 1/2" 1/2"	1/2" 1/2" 1/2"		1-1/2"	(2) 2" (TO FS)	
:04 :05	1 1	ADA COMPLIANT PREP STATION TABLE WITH SINK WATER FILTER ASSEMBLY	1/2" 3/4"	1/2"			1-1/2" (TO FS)	
-06 -09 -15	1 1 1	HAND SINK COOK'S WORK TABLE WITH SINK & OVERSHELF UTILITY DISTRIBUTION SYSTEM	1/2" 1/2" (1) 3/4", (1) 3/4" (FILTERED)	1/2" 1/2" 3/4"	2"	1-1/2"	2" (TO FS)	PROVIDE THERM G @ 1,499 MBTU
22 23 24	1 1 1	DOUBLE TWENTY-QUART TILTING KETTLE FORTY-QUART KETTLE WITH DRAIN CART STAND FORTY-GALLON TILTING BRAISING PAN	1/2" (FILTERED) 1/2" 1/2"	1/2" 1/2" 1/2"			1-1/4" (TO FS) 1-1/2" (TO FS)	G & 200 MBTU G & 52 MBTU G & 144 MBTU
25 27	1 1 1	SIX-BURNER RANGE WITH OVEN COMBINATION OVEN ON MOBILE STAND	3/4" (FILTERED)	112	3/4" 3/4"		2" (TO FS)	G & 215 MBTU G @ 115 MBTU
28 29 30	1 1 1	TEN-PAN STEAMER CONVECTION OVEN FILL FAUCET	1/2" (FILTERED) 1/2"	1/2"	3/4" 3/4"		1-1/2" (TO FS)	G & 84 MBTU G & 50 MBTU
-31 -32 -33	1 1 1	SIX-BURNER RANGE WITH OVEN & BACKSHELF BROILER HEAVY DUTY UNDERFIRED BROILER GRIDDLE RANGE WITH OVEN & BACKSHELF BROILER			1" 3/4" 1"			G @ 252 MBTU G & 95 MBTU G & 132 MBTU
34 35	1 1 1	FRYER ASSEMBLY WITH FILTER DRAWER FLOOR PAN & GRATE			1" 3/4"		3"	G & 132 MBTU G & 160 MBTU W CONNECTION
39 41 44	1 1 1	WORK SINK (PART OF ASSEMBLY) STEAM TABLE, THREE-WELL (PART OF ASSEMBLY) HAND SINK (PART OF ASSEMBLY)	1/2" 1/2"	1/2" 1/2" 1/2"		1-1/2"	2" (TO FS) 1" (TO FS)	PROVIDE THERM
-47 -51 -52	1 2 1	DIPPERWELL & FAUCET SOUP WELL, DROP-IN HOT FOOD WELL, DROP-IN		1/2"			1-1/4" (TO FS) 1/2" (MANIFOLD TO FS) 1/2" (TO FS)	
56 59 604	1 1 1	ADA COMPLIANT HAND SINK PREP TABLE WITH SINKS	1/2" 1/2" 1/2"	1/2" 1/2" 1/2"		1-1/2"	(2) 2" (TO FS)	
305 306	1 1 1	UNDERMOUNT HAND SINK WITH FAUCET & SOAP DISPENSER COFFE BREWER (BY OWNER'S VENDOR) PRE-RINSE UNIT WITH ADD-ON FAUCET	1/2" 1/2" (FILTERED) 1/2"	1/2"		I-1/Z"		
307 308 309	1 1 1	UNDERMOUNT WORK SINK HOT WATER DISPENSER ICE DISPENSER, MANUAL FILL	1/2" (FILTERED)				1-1/2" (TO FS) 3/4" (TO FS)	
611	1	ESPRESSO MACHINE (BY OWNER'S VENDOR)	1/2" (FILTERED) 4"G - 1"HWC				3/4" (TO FS)	
		(CONTINUED	2-1/2"HW 3"CW	NTINUED ON	3"V P1-1-1A)	1/2"		
								T
				↓ <sup> </sup>				
				i 				
		17.7 3/4"CW DROP 2"V RISE	(2102 CFH)			—		<u> </u>
		3/4"HW DROP 1/2"HWC DROP						
		18						
					-			(0 주의 <sub>FD'D</sub>
		2"V DN & RISE 4"W DN				   		×
						Г Г	   	
		4"ST UP (3900 SF)		ן ו ו ו ו ו ו				
			<u>FD'D'</u>					
						135 CFH) 2		
	I		FCO		1 1/4" G (	$\smile$	$\frac{1}{1}$ $\frac{1}{1}$ $\frac{1}{1}$	
		19 6"ST (3900 SF)		<u> </u>   	]			
		19 6"ST (3900 SF) 1/2"H&CW DROP 2"V DN & RISE 1/2"HW DROP		<u> </u>   	]	↓ (7630 SF) —		
		19 6"ST (3900 SF) 1/2"H&CW DROP 2"V DN & RISE		<u> </u>   	]	I (7630 SF) —		
		19 6"ST (3900 SF) 1/2"H&CW DROP 2"V DN & RISE 1/2"HW DROP 2"V RISE		<u> </u>   	]	, (7630 SF) —		
		19 6"ST (3900 SF) 1/2"H&CW DROP 2"V DN & RISE 1/2"HW DROP 2"V RISE 1/2"CW DROP		<u> </u>   		N (7630 SF) —		
		19 6"ST (3900 SF) 1/2"H&CW DROP 2"V DN & RISE 1/2"HW DROP 2"V RISE 1/2"CW DROP		6"S		, , ,		
		19 6"ST (3900 SF) 1/2"H&CW DROP 2"V DN & RISE 1/2"HW DROP 2"V RISE 1/2"CW DROP		6"S	T UP & DM	, , , ,		
		19 6"ST (3900 SF) 1/2"H&CW DROP 2"V DN & RISE 1/2"HW DROP 2"V RISE 1/2"CW DROP		6"S	T UP & DM	» » E »		
		19 6"ST (3900 SF) 1/2"H&CW DROP 2"V DN & RISE 1/2"HW DROP 2"V RISE 1/2"CW DROP		6"S	T UP & DM	» » » P		
		19 6"ST (3900 SF) 1/2"H&CW DROP 2"V DN & RISE 1/2"HW DROP 2"V RISE 1/2"CW DROP		6"S	T UP & DM	» » » P		
		19 6"ST (3900 SF) 1/2"H&CW DROP 2"V DN & RISE 1/2"HW DROP 2"V RISE 1/2"CW DROP		6"S	T UP & DM	» » » P		
		19 6"ST (3900 SF) 1/2"H&CW DROP 2"V DN & RISE 1/2"HW DROP 2"V RISE 1/2"CW DROP		6"S	T UP & DM	» » » P		

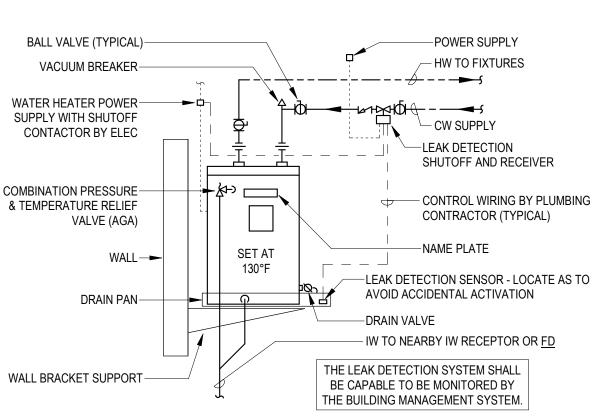
2 P2-1-1A CULINARY KITCHEN ENLARGED PLUMBING PLAN 1/4" = 1'-0"

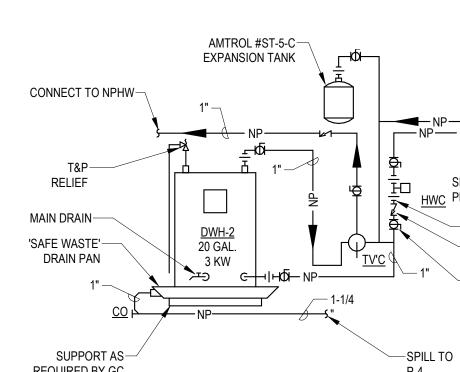


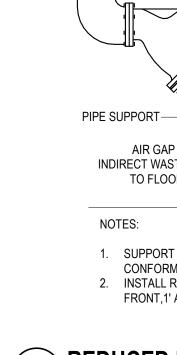


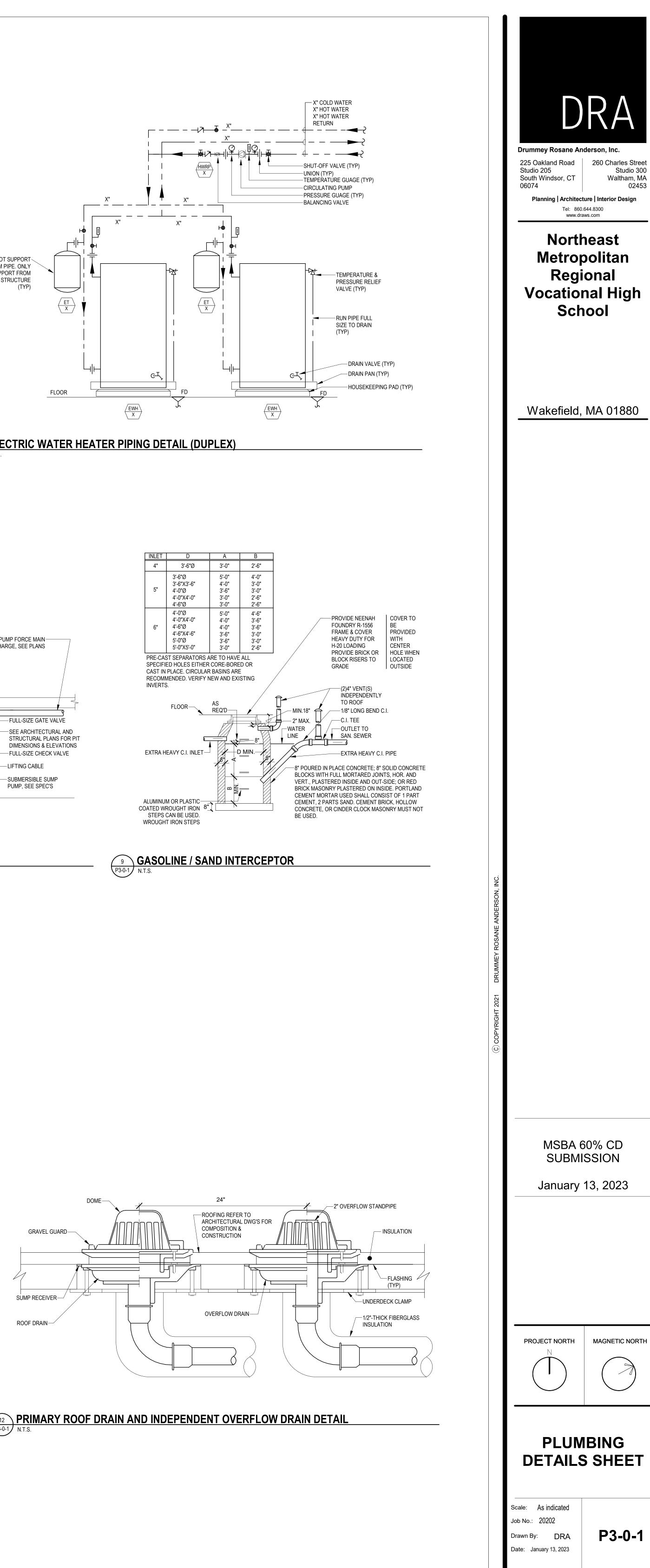


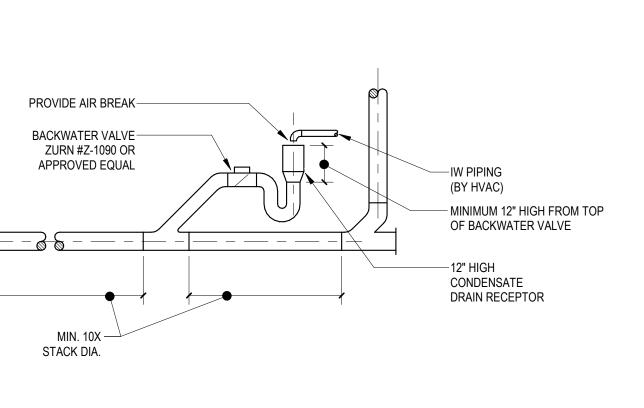






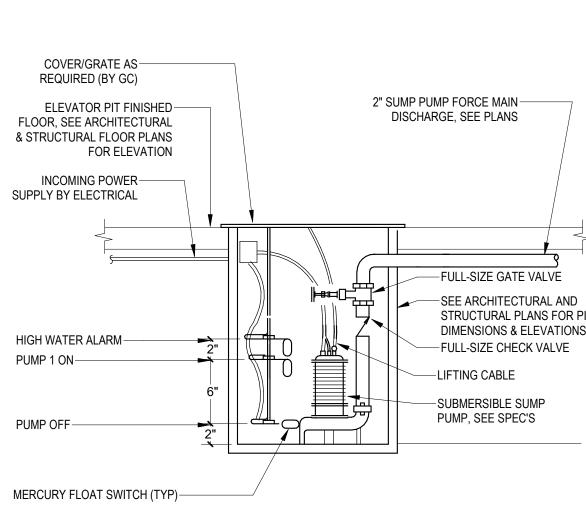


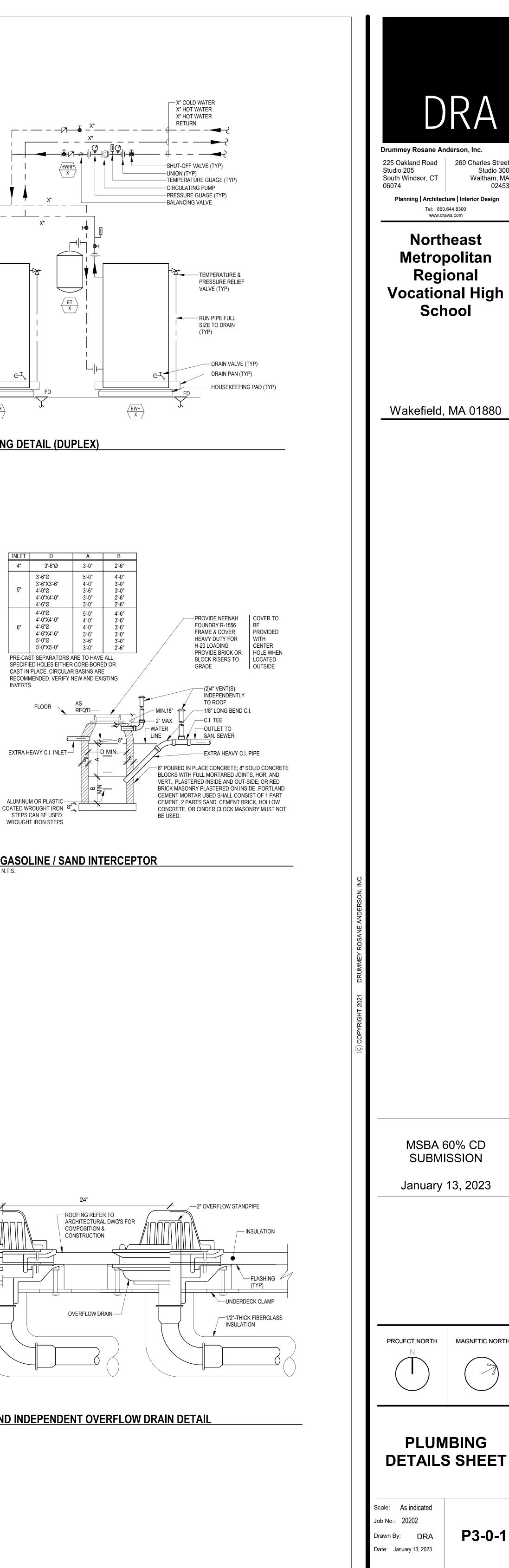


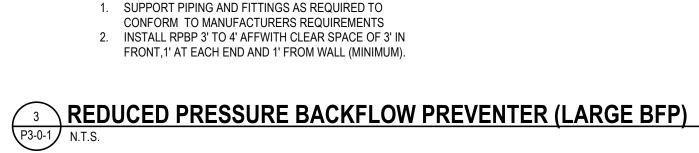




# 8 SIMPLEX ELEVATOR PIT SUMP PUMP P3-0-1 N.T.S.







CONNEC

TO NPHW

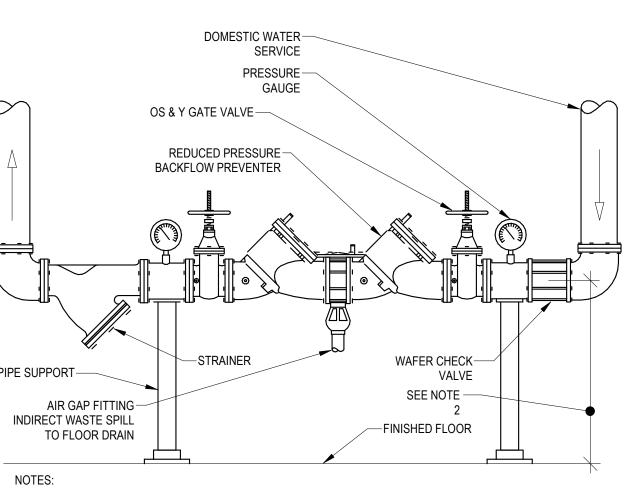
-TYPICAL UNION

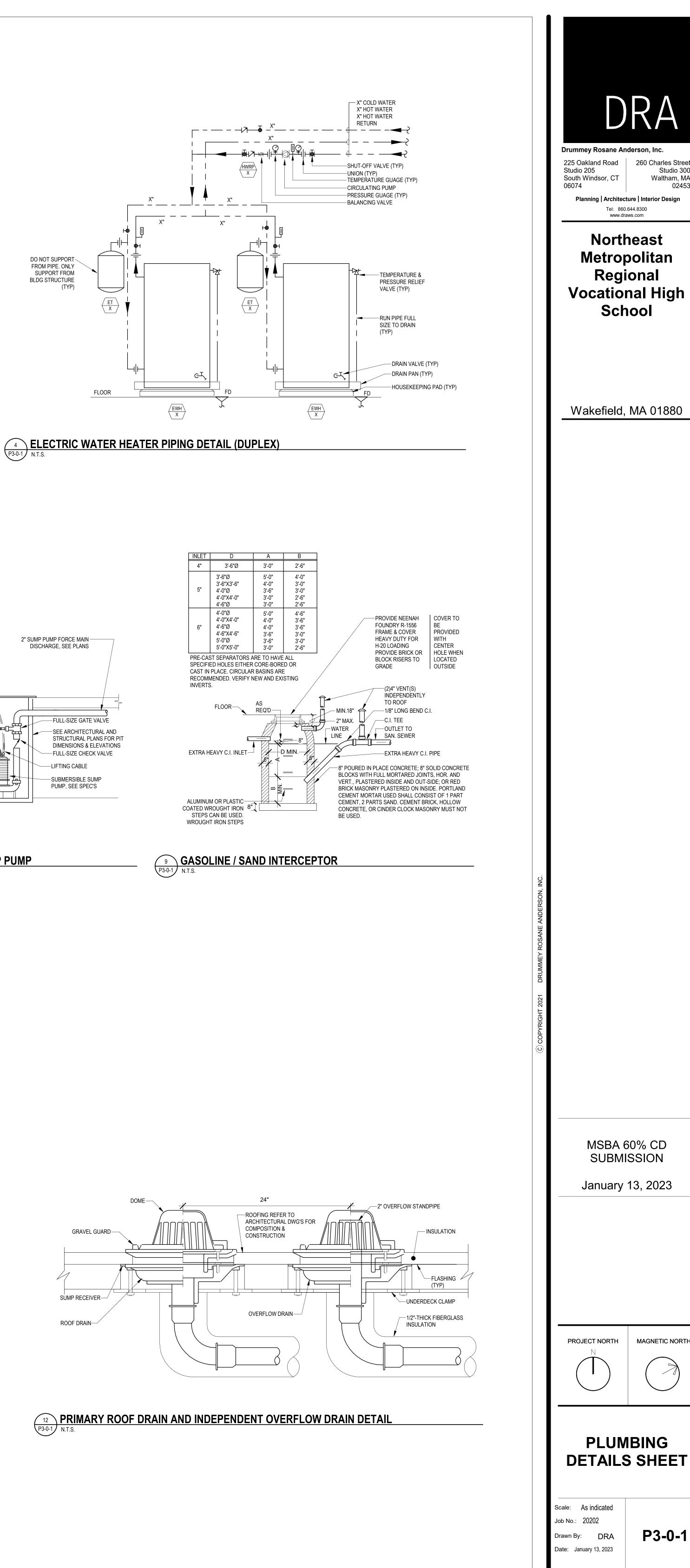
-TYPICAL CHECK

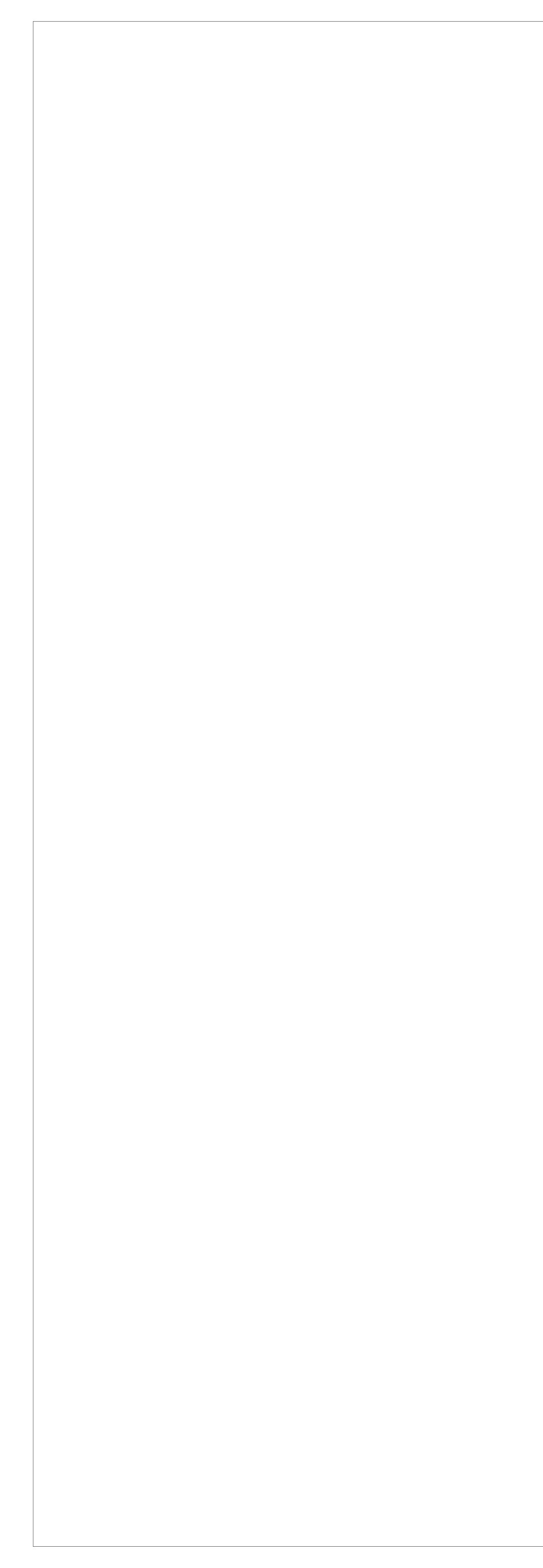
VALVE

VALVE

-TYPICAL BALL







I								E SCHEDULE	
NO.	FIXTURE	MANU	JFACTU	RER	FAUCET/FLUSH VALVE			CARRIER / SUPPORT	MISC.
P-1	WATER CLOSET		TOTO			тото	)	WALL MOUNTED	1.28 GPF
P-1A	WATER CLOSET		TOTO			тото	)	WALL MOUNTED	1.28 GPF, ACCESSIBLE
P-2	URINAL		TOTO			TOTO		WALL MOUNTED	0.125 GPF
P-2A	URINAL		TOTO			тото	)	WALL MOUNTED	0.125 GPF, ACCESSIBLE
P-3A	WALL MOUNTED LAVATORY	AMERIO	CAN STAN	DARD		SLOAN	١	WALL MOUNTED	0.35 GPM FAUCET
P-3B	BASIN TYPE LAVATORY		BRADLEY			SLOAN			0.35 GPM FAUCET
P-3C	RESTROOM LAVATORY	E	BRADLEY			SLOAN	١		0.35 GPM FAUCET
P-3D	CIRCULAR LAVATORY	E	BRADLEY			SLOAN	١	FLOOR MOUNTED	0.35 GPM FAUCET
P-4	MOP SINK	STEF	RN WILLIA	MS		CHICAG	60		
P-5	DRINKING FOUNTAIN	HAL	SEY TAYL	OR		N/A			120V POWER CONNECTION REQUIRED
P-6	SHOWER		YMMONS		SY	MMONS V	VALVE		1.5 GPM SHOWERHEAD, SHOWER BASE BY ARCHITECT, DRAIN BY PC
P-7	EMERGENCY EYEWASH/SHOWER STATION	G	UARDIAN					FREE STANDING	PROVIDE LOCAL MIXING VALVE TO TEMPER WATER
P-8	EMERGENCY EYEWASH/SHOWER STATION	G	UARDIAN					RECESSED IN WALL	PROVIDE LOCAL MIXING VALVE TO TEMPER WATER
P-8A	EMERGENCY EYEWASH/SHOWER STATION	G	UARDIAN					RECESSED IN WALL	FED FROM TEMPERED WATER SYSTEM IN SCIENCE ROOMS
P-9	EMERGENCY EYEWASH	G	UARDIAN					RECESSED IN WALL	PROVIDE LOCAL MIXING VALVE TO TEMPER WATER
PX-1	CASEWORK SINK	FURNIS	HED BY O	THERS	FURN	ISHED BY	OTHERS		
PX-2	CASEWORK SINK WITH EYEWASH	FURNIS	HED BY O	THERS	FURN	NISHED BY OTHERS			
PX-3	COSMETOLOGY SINK	FURNIS	HED BY O	THERS	FURN	FURNISHED BY OTHERS			PROVIDE HAIR TRAP
PX-4	SCIENCE ROOM SINK	FURNIS	HED BY O	THERS	FURN	FURNISHED BY OTHERS			PROVIDE LAB WASTE & VENT PIPING, NON POTABLE WATER
PX-5	LAB SINK	FURNIS	HED BY O	THERS	FURN	NISHED BY OTHERS			
PX-6	DENTAL STATION	FURNIS	HED BY O	THERS	FURNISHED BY OTHERS		OTHERS		PROVIDE COMPRESSED AIR, VACUUM, WATER, WAS
		PI			_		NECTIC	ON SCHEDULE	
WATE	FIXTURE R CLOSET		S/W 4"	V 3"	CW 1"	HW -			REMARKS
WATE	R CLOSET		4"	3"	1"	-	ACCESS	IBLE	
URINA	AL		3"	2"	3/4"	-			
URINA	AL		3"	2"	3/4"	-	ACCESS	IBLE	
LAVAT	TORY		1 1/2"	1 1/2"	1/2"	1/2"			
WASH	I FOUNTAIN		2	1 1/2"	1"	1			
LAVAT			1 1/2"	1 1/2"	1/2"	1/2			
MOP F	RECEPTOR		3"	2"	1/2"	1/2"			
	RECEPTOR		3"	2"	1/2"	1/2"			
	TRIC WATER COOLER		1 1/2"	1 1/2"	1/2"				
SHOW			3"	2"	1/2"	1/2"			
	/ER (ACCESSIBLE)		3"	2"	1/2"	1/2"			
	GENCY SHOWER/EYEWASH		1 1/2"	1 1/2"	1 1/2"		-	E LOCAL MIXING VALVE TO	
	GENCY SHOWER/EYEWASH		1 1/2"	1 1/2"	1 1/2"	1 1/2"	-	E LOCAL MIXING VALVE TO	
	GENCY SHOWER/EYEWASH		1 1/2"	1 1/2"	1 1/2"	-	-	E TEMPERED WATER CONN	
EMER	GENCY EYEWASH		-	-	1/2"	1/2"	PROVIDE	E LOCAL MIXING VALVE TO	TEMPER WATER TO 90F
1	WORK SINK		1 1/2"	1 1/2"	1/2"	1/2"			
CASE	WORK SINK W/ EYEWASH		1 1/2"	1 1/2"	1/2"	1/2"	-	EYEWASH STATION WITH	SINK
CASE\ COSM	WORK SINK W/ EYEWASH IETOLOGY SINK		1 1/2"	1 1/2"	1/2"	1/2"	PROVIDE	HAIR TRAP	
CASE\ COSM	WORK SINK W/ EYEWASH IETOLOGY SINK ICE ROOM SINKS						PROVIDE	HAIR TRAP	SINK AND NON POTABLE CW & HW

		PLUMBI	NG FI)	KTURE	E 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-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-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 WAT
P-8	EMERGENCY SHOWER/EYEWASH	1 1/2"	1 1/2"	1 1/2"	1 1/2"	PROVIDE LOCAL MIXING VALVE TO TEMPER WAT
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 WAT
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
PX-4	SCIENCE ROOM SINKS	1 1/2"	1 1/2"	1/2"	1/2"	PROVIDE ACID WASTE AND VENT, AND NON POTA
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

ГЕМ	QTY	DESCRIPTION		HW	G	W		
.09b	1						1" 1"	
.09d .09f	1	FREEZER EVAPORATOR COIL FREEZER EVAPORATOR COIL					1"	
412	1	THREE-COMPARTMENT SINK	(2) 3/4"	2 (3/4")		(3) 2"		120 <sup>°</sup> FIX
A15	1	DISPOSER	(2) 1/2"			2"		
A16 A17	1	HOSE REEL ASSEMBLY WAREWASHER, DOOR-TYPE, VENTLESS	1/2" 3/4" (55°F MIN)	1/2"			5/8" (TO FS)	
			1/2" (DRAIN TEMPÉRING)	4 (0)		4.4/01		
419 426	3	HAND SINK COOK'S WORK TABLE WITH SINK & OVERSHELF	1/2"	1/2" 1/2"		1-1/2"	2" (TO FS)	PRC
A30	1	COMBINATION OVEN/STEAMER, ROLL-IN	3/4"		3/4"		2" (TO FS)	G @
A31 A32	1	DOUBLE CONVECTION OVEN CONVEYER OVEN ON STAND			3/4" 3/4"			G @
433	1	TEN-PAN STEAMER	1/2"		3/4"		1-1/2" (TO FS)	G @
434 435	1	FORTY-GALLON TILTING BRAISING PAN SIX-BURNER RANGE WITH OVEN	1/2"	1/2"	1/2" 3/4"			G &
436 436	1	FORTY-GALLON TILTING KETTLE	1/2"	1/2"	1/2"			G &
A39	1	UTILITY DISTRIBUTION SYSTEM	(1) 3/4", (1) 3/4" (FILTERED)	3/4"	2"	2"		G&
440 447	2	FLOOR PAN & GRATE COOK'S WORK TABLE WITH SINK & OVERSHELF	1/2"	1/2"		3"	2" (TO FS)	W C
49	1	WATER FILTER ASSEMBLY	3/4"					
453 455	1	PREP TABLE WITH SINKS WATER FILTER ASSEMBLY	1/2"	1/2"		(2) 2" (TO FS)		
456	1	EXISTING COFFEE BREWER	1/2" (FILTERED)					
311 314	1	HAND SINK HOT FOOD WELL ASSEMBLY, DROP IN	1/2"	1/2"		1-1/2"	1/2" (MANIFOLD TO FS)	PRC
314 317	3	FILL FAUCET		1/2"			1/2 (MANIFOLD TO FS)	
318	1	HOT FOOD WELL ASSEMBLY, DROP IN					1/2" (MANIFOLD TO FS)	
321 328	1	COLD PAN, DROP IN COLD PAN, DROP IN					1" (TO FS) 1" (TO FS)	
329	1	HOT FOOD WELL ASSEMBLY, DROP IN					1/2" (TO FS)	
336 344	1	COLD PAN, DROP IN MOP SINK & SERVICE FAUCET (BY PC)	1/2"	1/2"			1" (TO FS)	DR/
044	I		1/2					FIX
349 49a	1	EXISTING WAREWASHER, CONVEYER TYPE	1/2" (DRAIN TEMPERING)	3/4" 3/4"			1-1/4" ( TO FS)	180
49a 49b	1	BOOSTER HEATER, LARGE COMPACT		3/4"				
351	1	HOSE REEL ASSEMBLY	1/2"	1/2"		011		
352	1	SOILED TRAY TABLE WITH SCRAP SINK & INTEGRAL PASS-THRU WINDOW FRAME				2"		
355	1	HAND SINK	1/2"	1/2"		1-1/2"		PRC
CO2 CO3	1	WATER FILTER ASSEMBLY	1/2" 1/2" (FILTERED)				(1) 1/2", (1) 3/4" (TO FS)	
C04	1	FLOOR PAN & GRATE				3"		W C
07b	1	COOLER EVAPORATOR COIL FREEZER EVAPORATOR COIL		1/2"			1" 1"	IW T
07d C15	1	MOP SINK & SERVICE FAUCET (BY PC)	1/2"	1/2			I	DRA
C18	1	FRONT LOAD CLOTHES DRYER	1/2"	1/2"				FIX STA
C21	1	THREE-COMPARTMENT SINK	(2) 3/4"	(2) 3/4"		(3) 2"		120
223	1	HAND SINK	1/2"	1/2"		1-1/2"		FIX PRC
525 C25	1	EYE/FACE WASH	1/2"	1/2		1-1/2"		PRC
C26	1	WATER FILTER ASSEMBLY	3/4"	4 (0)			01 (70, 50)	
C29 29a	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/-		2"		
C32 D04	1	HOSE REEL ASSEMBLY WORK COUNTER WITH SINK	<u> </u>	1/2" 1/2"			2" (TO FS)	
D04 D07	1	HAND SINK	1/2"	1/2"		1-1/2"	2 (10+3)	PRC
D11	1	TWO-BURNER/GRIDDLE RANGE WITH OVEN			3/4"			G &
E06 E07	1	DONUT FRYER WITH FILTER DRAWER DOUBLE CONVECTION OVEN			1/2" 3/4"			G @ G &
E08	1	SIX-BURNER RANGE WITH OVEN			3/4"			G &
E12 E13	1	WATER FILTER ASSEMBLY ROTATING DOUBLE RACK OVEN	3/4" 1/2" (FILTERED)				1/2" (TO FS)	
E14	1	ROLL-IN PROOFER CABINET	1/2" (FILTERED)				1/2" (TO FS)	
E23 E26	1	EYE/FACE WASH	<u> </u>	1/2" 1/2"		1-1/2"		PRC
=20 E36	1	FILL FAUCET PREP TABLE WITH SINKS	1/2	1/2			(2) 2" (TO FS)	
E38	1	ADA COMPLIANT HAND SINK	1/2"	1/2"		1-1/2"		
=04 =05	1	ADA COMPLIANT PREP STATION TABLE WITH SINK WATER FILTER ASSEMBLY	1/2" 3/4"	1/2"			1-1/2" (TO FS)	
-06	1	HAND SINK	1/2"	1/2"		1-1/2"		PRC
=09 =15	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)	6.6
-15 	1	DOUBLE TWENTY-QUART TILTING KETTLE	1/2" (FILTERED)	1/2"	1/2"		1-1/4" (TO FS)	G @ G &
-23	1	FORTY-QUART KETTLE WITH DRAIN CART STAND	1/2"	1/2"	1/2"		1-1/2" (TO FS)	G &
=24 =25	1	FORTY-GALLON TILTING BRAISING PAN SIX-BURNER RANGE WITH OVEN	1/2"	1/2"	1/2" 3/4"			G &
-27	1	COMBINATION OVEN ON MOBILE STAND	3/4" (FILTERED)		3/4"		2" (TO FS)	G @
-28 -29	1	TEN-PAN STEAMER CONVECTION OVEN	1/2" (FILTERED)		3/4" 3/4"		1-1/2" (TO FS)	G &
-30	1	FILL FAUCET	1/2"	1/2"	3/4			0 0
-31	1	SIX-BURNER RANGE WITH OVEN & BACKSHELF BROILER			1"			G @
-32 -33	1	HEAVY DUTY UNDERFIRED BROILER GRIDDLE RANGE WITH OVEN & BACKSHELF BROILER			3/4"			G &
-34	1	FRYER ASSEMBLY WITH FILTER DRAWER			3/4"			G &
=35 =39	1	FLOOR PAN & GRATE WORK SINK (PART OF ASSEMBLY)	1/2"	1/2"			3" 2" (TO FS)	W C
-41	1	STEAM TABLE, THREE-WELL (PART OF ASSEMBLY)		1/2"			1" (TO FS)	
-44 -47	1	HAND SINK (PART OF ASSEMBLY)	1/2"	1/2"		1-1/2"		PRC
=47 =51	1	DIPPERWELL & FAUCET SOUP WELL, DROP-IN		1/2"			1-1/4" (TO FS) 1/2" (MANIFOLD TO FS)	
-52	1	HOT FOOD WELL, DROP-IN					1/2" (TO FS)	
-56 -59	1	ADA COMPLIANT HAND SINK PREP TABLE WITH SINKS	1/2" 1/2"	1/2" 1/2"		1-1/2"	(2) 2" (TO FS)	
JJ	1	UNDERMOUNT HAND SINK WITH FAUCET & SOAP DISPENSER	1/2"	1/2"		1-1/2"	(2) 2 (10 5)	
G04		COFFE BREWER (BY OWNER'S VENDOR)	1/2" (FILTERED)			1		
G05	1		· · · · · · · · · · · · · · · · · · ·					
G05 G06	1 1 1	PRE-RINSE UNIT WITH ADD-ON FAUCET	1/2"	1/2"			1-1/2" (TO FS)	
G05	1		· · · · · · · · · · · · · · · · · · ·	1/2"			1-1/2" (TO FS) 3/4" (TO FS)	

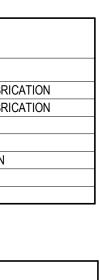
## PLUMBING AIR COMPRESSOR SCHEDULE

NO.	MANUFACTURER	MODEL	LOCATION	REMARKS				
AC-1	QUINCY	QSV-40	LOWER LEVEL PART C	AUTO COLLISION/METAL FABRICATION				
AC-1	QUINCY		LOWER LEVEL PART C	AUTO COLLISION/METAL FABRICATION				
AC-2	QUINCY	QGSV20FMD	FIRST FLOOR PART A	VOTECH SHOPS				
AC-3	POWEREX	SED1007	SECOND FLOOR PART A	BIOTECH LAB				
AC-4	QUINCY	QGS15-TID	SECOND FLOOR PART A	DRAFTING & DESIGN				
AC-5	POWEREX	SET1501	FOURTH FLOOR PART A	DENTAL				
AC-6	QUINCY	QGS15-TID	FOURTH FLOOR PART B	ROBOTICS				

	PLUM	BING VACU	JUM PUMP	SCHEDULE
NO.	MANUFACTURER	MODEL	LOCATION	REMARKS
VAC-1	POWEREX	IVD0303V	SECOND FLOOR PART A	BIOTECH LAB
VAC-2	TECH WEST INC	VPD20D5	FOURTH FLOOR PART A	DENTAL

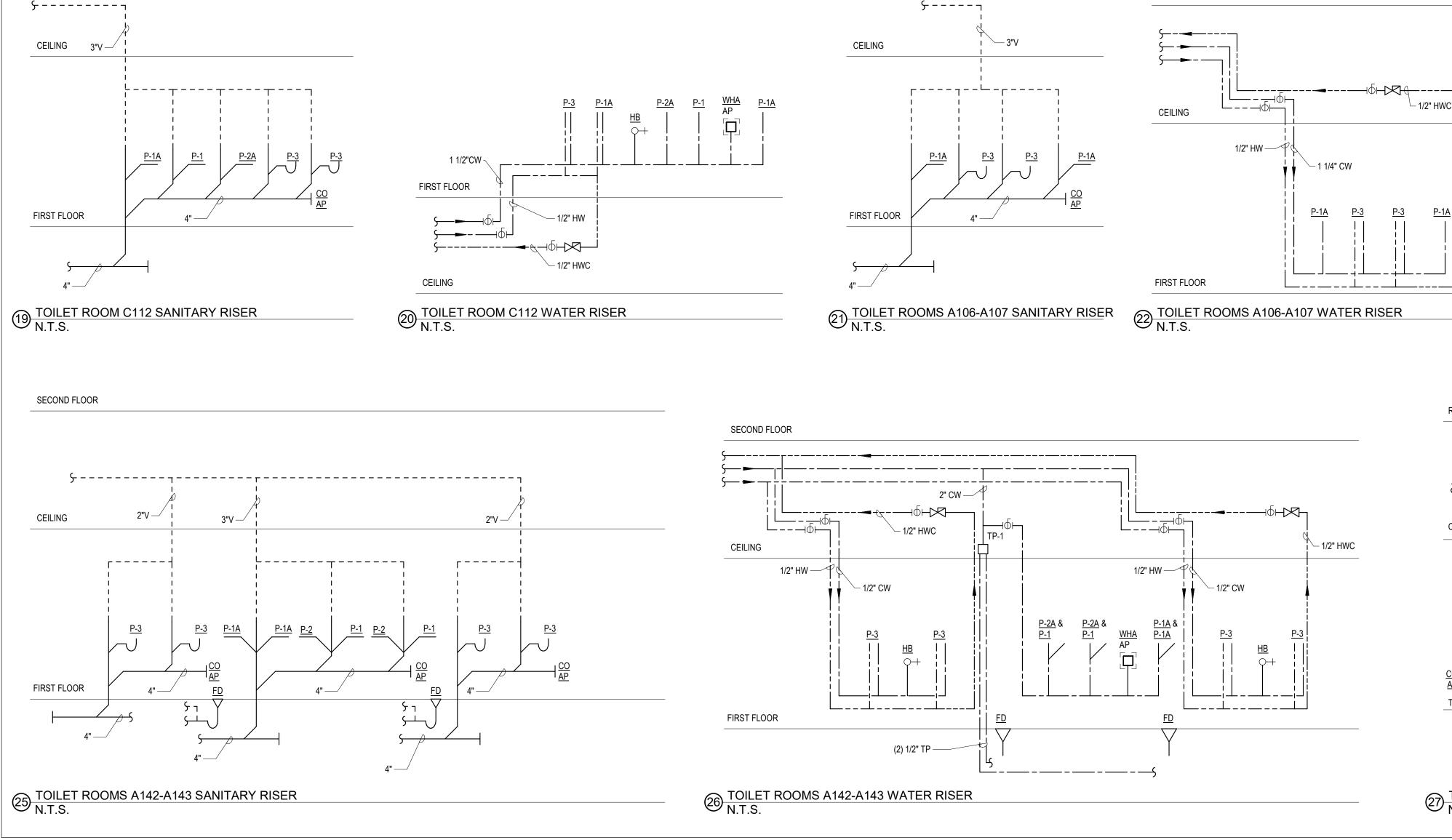
	PLUMBING ELECTRIC WATER HEATER SCHEDULE										
				CAPA	ACITY		EL	ECTRIC	CAL		
NO.	MANUFACTURER	MODEL	LOCATION	STORAGE	GPH @ °F RISE	V	PH	HZ	KW	SCCR (kAIC)	REMARKS
EWH-1	PVI	DURAWATT-460	LOWER LEVEL PART C	XX	XX	480	3	60	90	XX	SERVES C & D WINGS, PROVIDE 120V, 1/3 HP, CIRCULATOR PUMP (CP-1)
EWH-1	PVI	DURAWATT-460	LOWER LEVEL PART C	XX	XX	480	3	60	90	XX	SERVES C & D WINGS, PROVIDE 120V, 1/3 HP, CIRCULATOR PUMP (CP-1)
EWH-2	AO SMITH	DURAWATT-270	MEZZANINE PART B	XX	XX	480	3	60	54	XX	SERVES B WING, PROVIDE 120V, 1/2 HP, CIRCULATOR PUMP (CP-2)
EWH-2	AO SMITH	DURAWATT-270	MEZZANINE PART B	XX	XX	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	XX	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	XX	XX	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	XX	XX	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	XX	208	1	60	6	XX	SERVES ADMIN WING TOILET ROOMS, PROVIDE 120V, 1/8 HP, CIRCULATOR PUMP (CP-5)
EWH-6	AO SMITH	DSE-120	ELECTRICAL SHOP	XX	XX	480	3	60	30	XX	MOCK WATER HEATER FOR STUDENT WIRING
EWH-7	AO SMITH	DSE-30	CONCESSIONS BUILDING	XX	XX	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 BUILDING	XX	XX	480	3	60	60	XX	SERVES LOCKER BUILDING, PROVIDE 120V, 1/8 HP, CIRCULATOR PUMP (CP-7)

HEDULE
COMMENTS
0°F HW, WASTE MANIFOLD THRU GI BY PC, PROVIDE RPZ'S FOR WATER LINES TO (TURE
OVIDE THERMOSTATIC MIXING VALVE TO TEMPER WATER TO 110 DEG F
@ 160 MBTU
@ 100 MBTU @ 40 MBTU
@ 84 MBTU
& 144 MBTU & 215 MBTU
& 100 MBTU
& 843 MBTU (1,750 MBTU SYSTEM CAPACITY) CONNECTION 7" BFF
OVIDE THERMOSTATIC MIXING VALVE TO TEMPER WATER TO 110 DEG F
AIN IN FLOOR, PROVIDE RPZ'S ON WATER LINES TO FIXTURE, SEE PLUMBING (TURE SCHEDULE 0°F HW
OVIDE THERMOSTATIC MIXING VALVE TO TEMPER WATER TO 110 DEG F
CONNECTION 7" BFF TO FD BY KEC
TO FD BY KEC AIN IN FLOOR, PROVIDE RPZ'S ON WATER LINES TO FIXTURE, SEE PLUMBING
(TURE SCHEDULE ANDPIPE W
D'F HW, WASTE MANIFOLD THRU GI BY PC, PROVIDE RPZ'S ON WATER LINES TO
(TURE OVIDE THERMOSTATIC MIXING VALVE TO TEMPER WATER TO 110 DEG F
OVIDE THERMOSTATIC MIXING VALVE TO TEMPER WATER TO 90 DEG F
OVIDE THERMOSTATIC MIXING VALVE TO TEMPER WATER TO 110 DEG F
& 135 MBTU, QD @ 72 MBTU, QD
& 100 MBTU, QD & 215 MBTU, QD
OVIDE THERMOSTATIC MIXING VALVE TO TEMPER WATER TO 90 DEG F
OVIDE THERMOSTATIC MIXING VALVE TO TEMPER WATER TO 110 DEG F
@ 1,499 MBTU (LOOPED SERVICE) (2,350 MBTU SYSTEM CAPACITY) & 200 MBTU
& 52 MBTU
& 144 MBTU & 215 MBTU
@ 115 MBTU
& 84 MBTU & 50 MBTU
@ 252 MBTU
\$ 95 MBTU
& 132 MBTU & 160 MBTU
CONNECTION 7" BFF
OVIDE THERMOSTATIC MIXING VALVE TO TEMPER WATER TO 110 DEG F

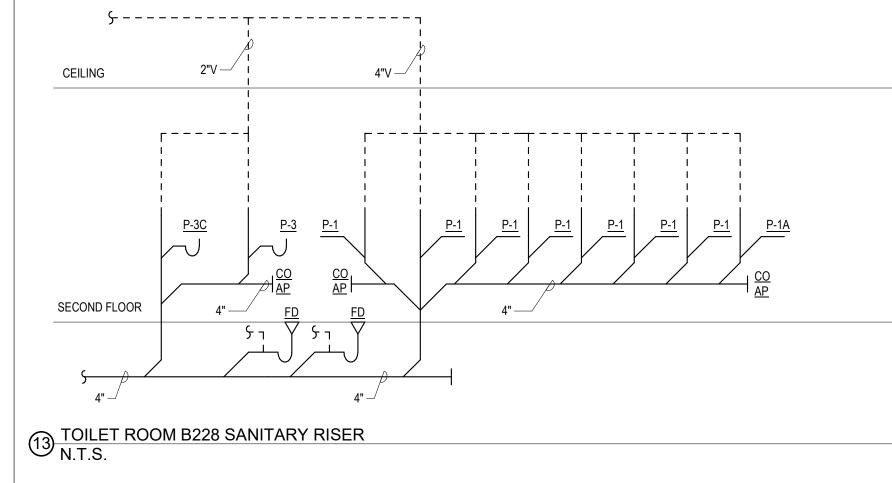


## REMARKS

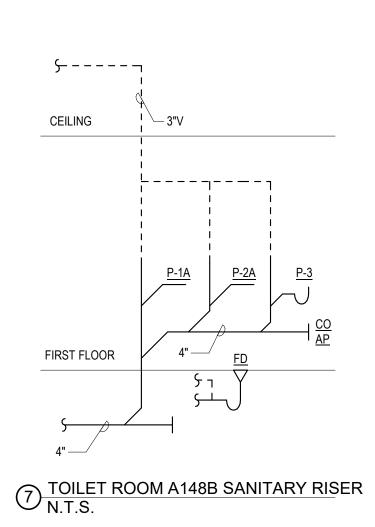
	D	RA
	Drummey Rosane And 225 Oakland Road Studio 205 South Windsor, CT 06074 Planning   Architectur Tel: 860.64 www.draw	260 Charles Street Studio 300 Waltham, MA 02453 re   Interior Design
	North Metrop Regio Vocation Scho	east olitan onal al High
	Wakefield, I	<u>MA 01880</u>
NDERSON, INC.		
	MSBA 60 SUBMIS	SSION
	January 1	0, 2020
	PROJECT NORTH	MAGNETIC NORTH
	PLUM SCHED SHE	ULES
	Scale: Job No.: 20202 Drawn By: DRA Date: January 13, 2023	P4-0-1



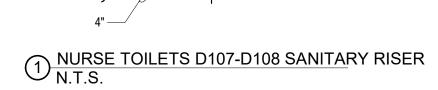
SECOND FLOOR

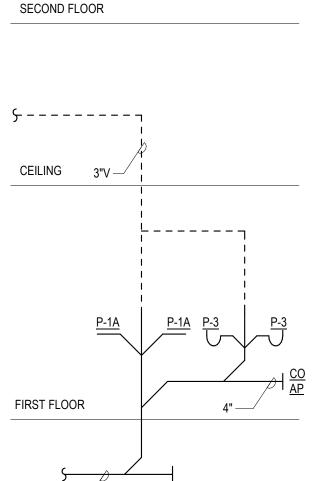


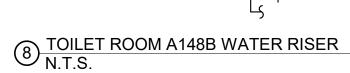
THIRD FLOOR

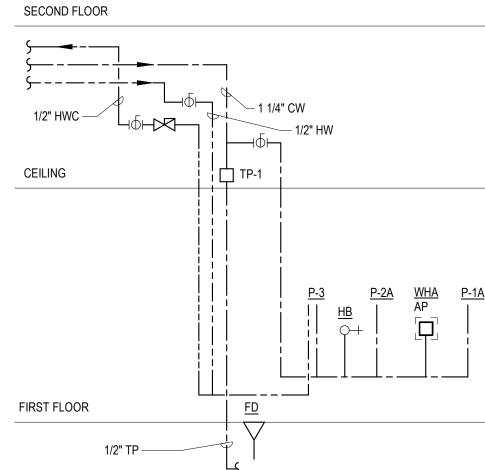


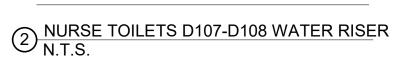
SECOND FLOOR

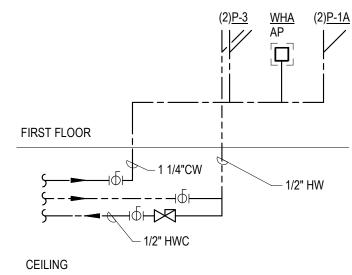


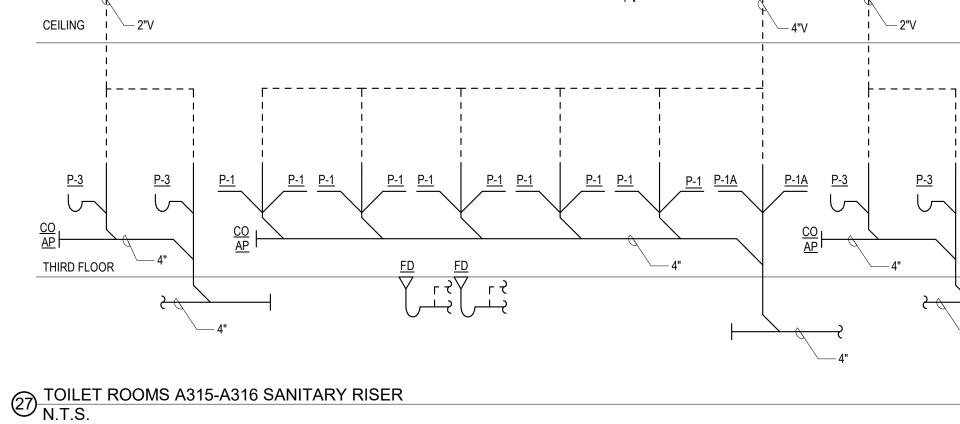


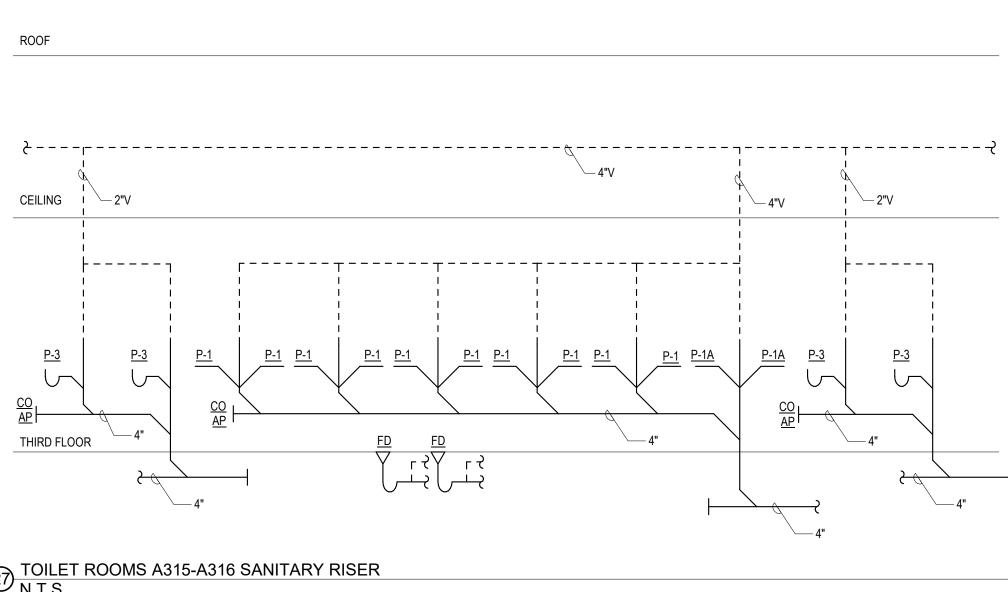


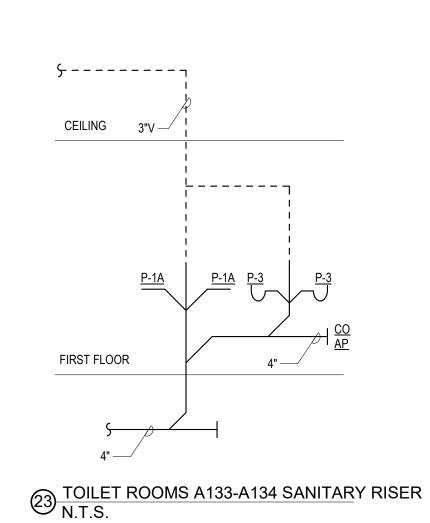












SECOND FLOOR

SECOND FLOOR

14 TOILET ROOM B228 WATER RISER N.T.S.

THIRD FLOOR

<u>}\_\_\_</u>\_\_\_

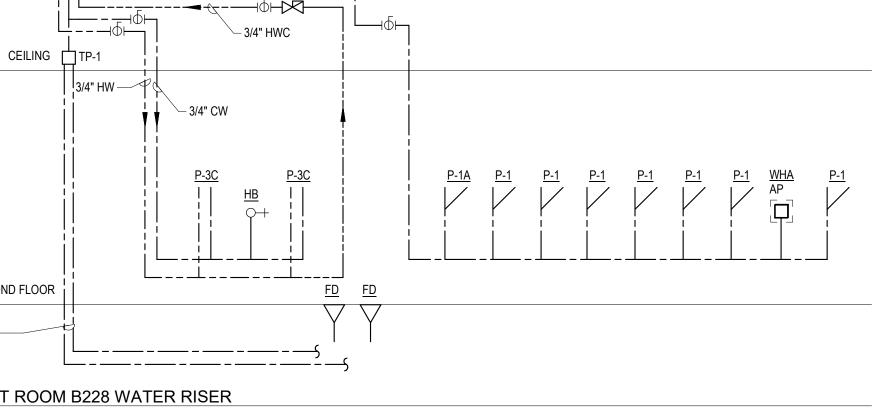
· → →

∽**∽** 

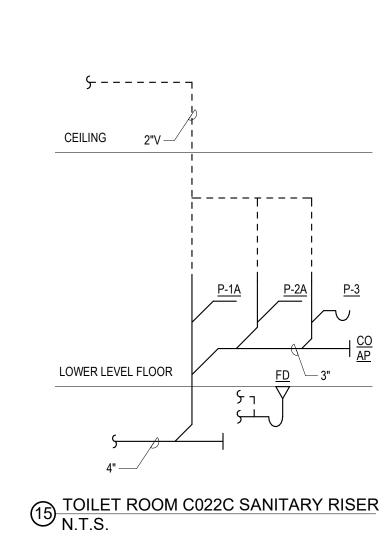
\_\_\_\_\_

SECOND FLOOR

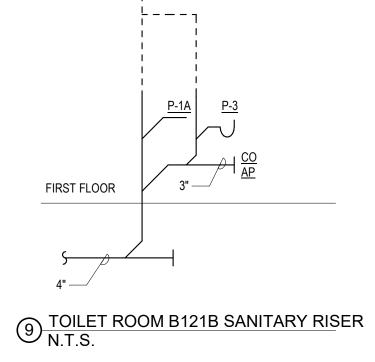
(2) 1/2" TP



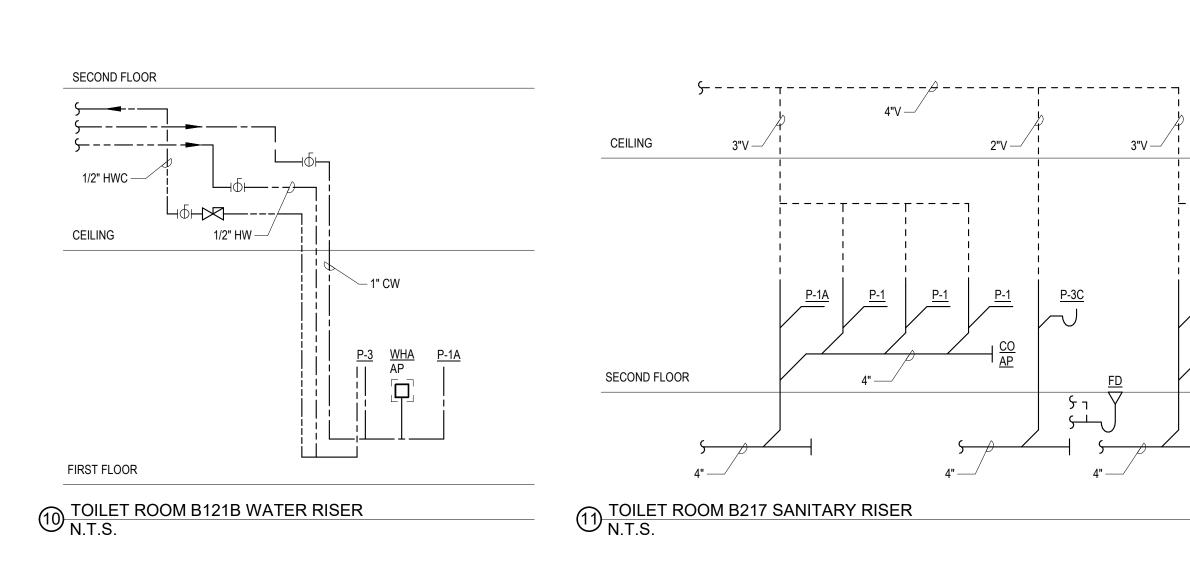
SECOND FLOOR



FIRST FLOOR



. <u></u>2"∨



SECOND FLOOR

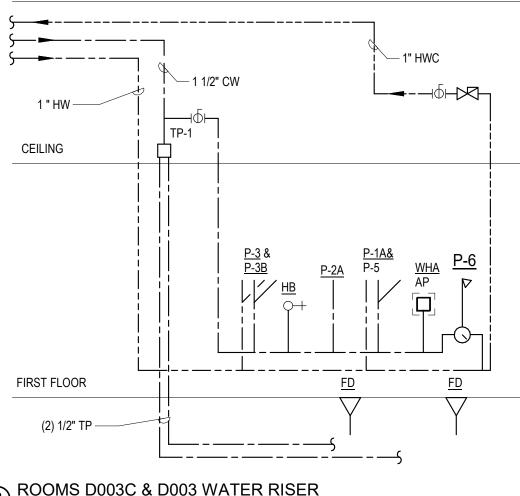
<u>-----</u>

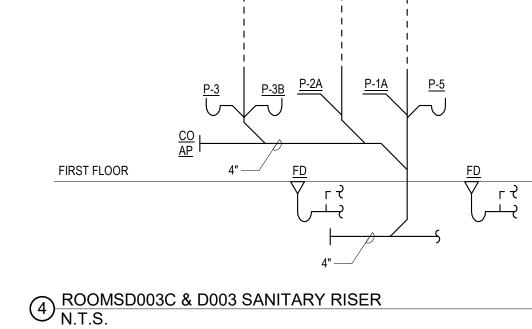
CEILING

2" CW -



SECOND FLOOR





·-----

THIRD FLOOR

SECOND FLOOR

CEII IN

SECOND FLOOR

4"V –

-----

4" —

2"V —⁄

P-1

P-1

P-30

רל

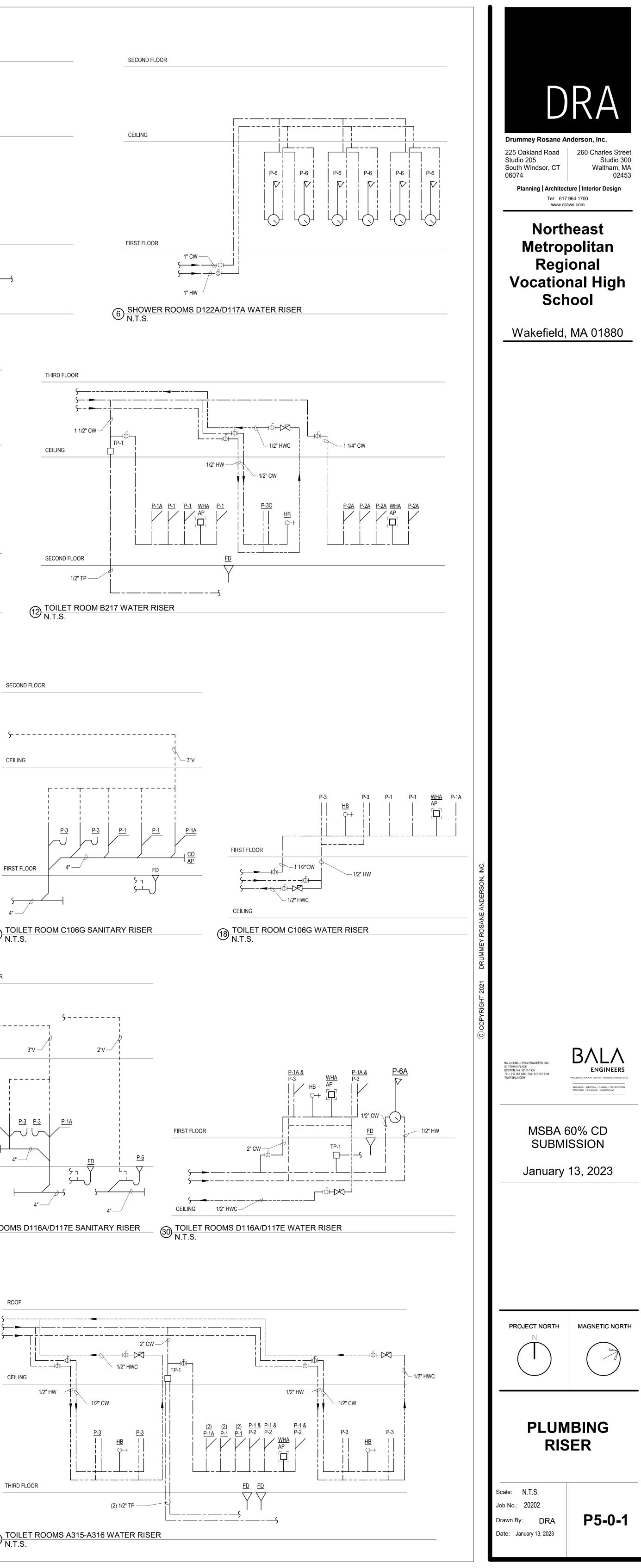
54

3"V —

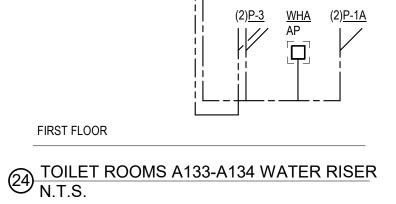
P-2A

P-2A

4" ——⁄

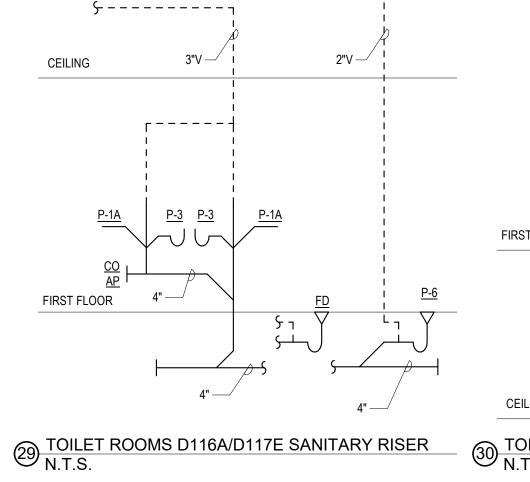


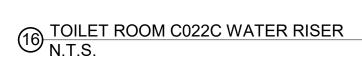




– 1 1/4"CW

1/2" HW —



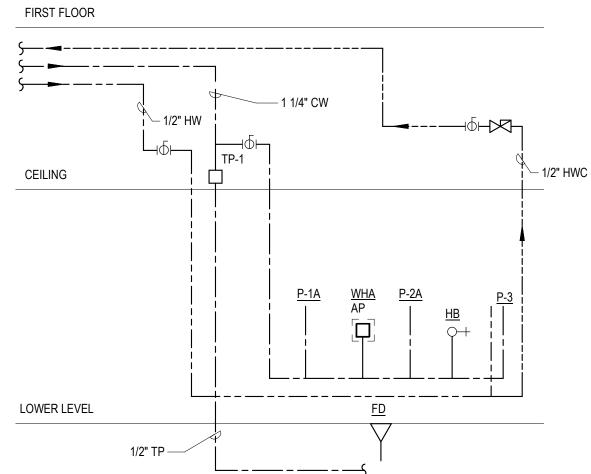


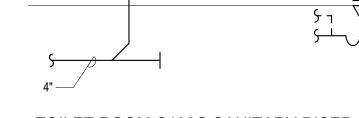
SECOND FLOOR

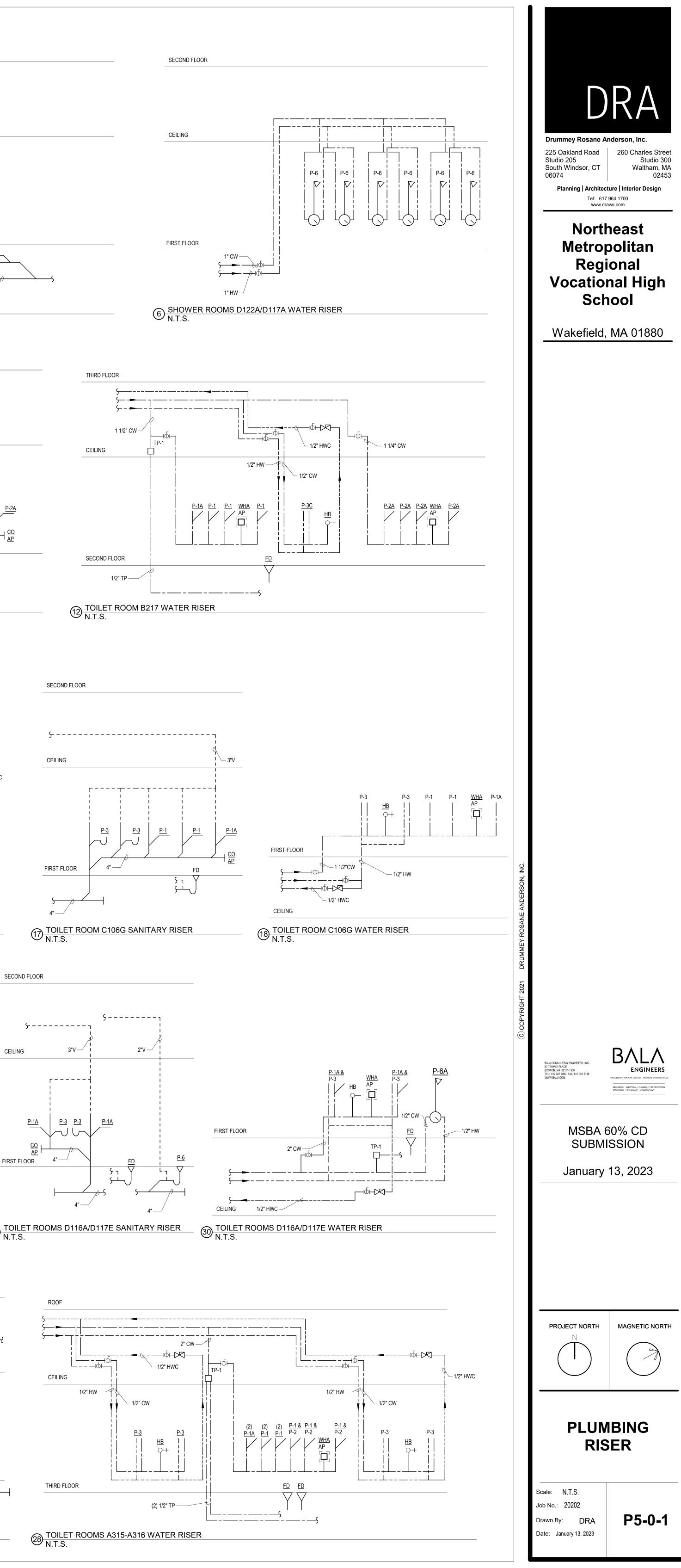
**∽**−−−

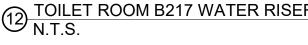
**∽ ~** ¬

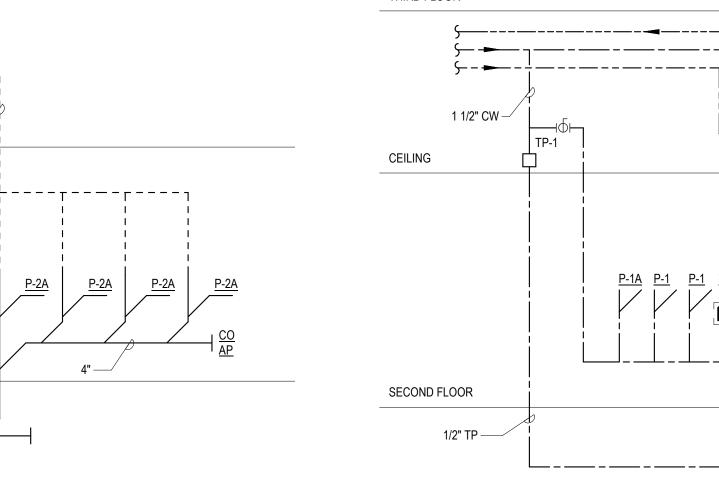
CEILING

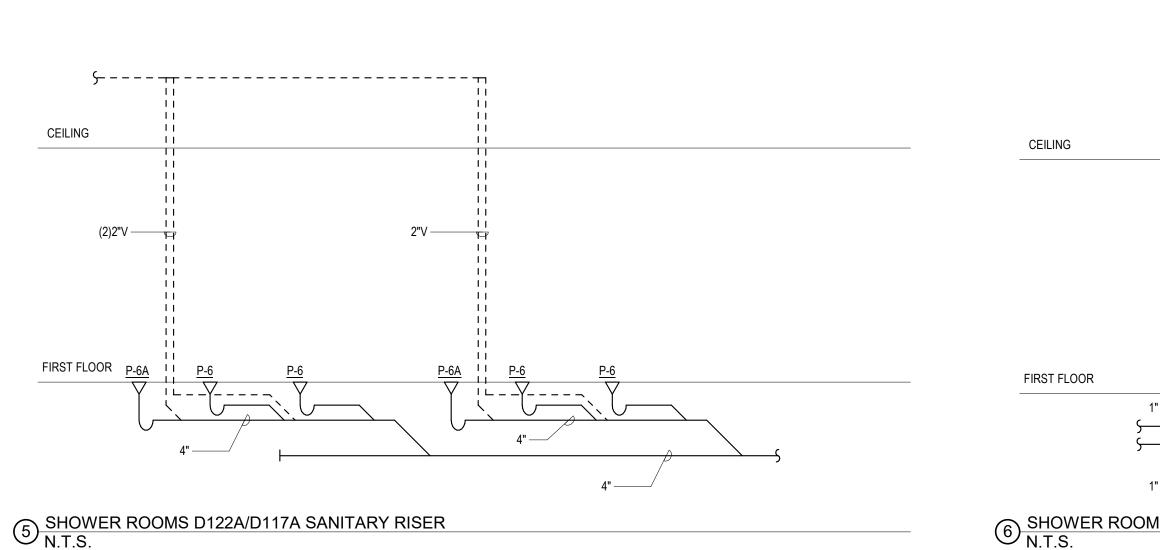


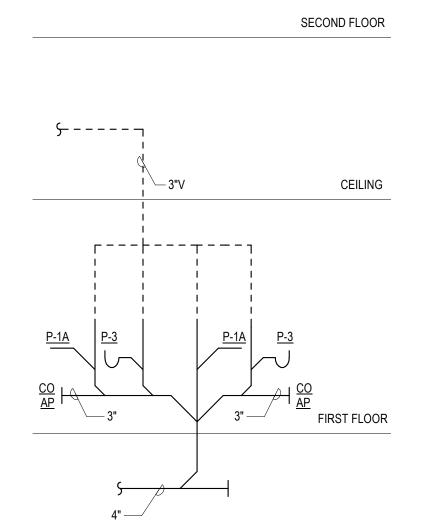


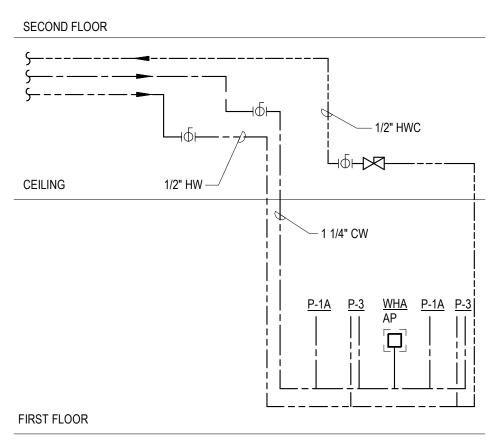




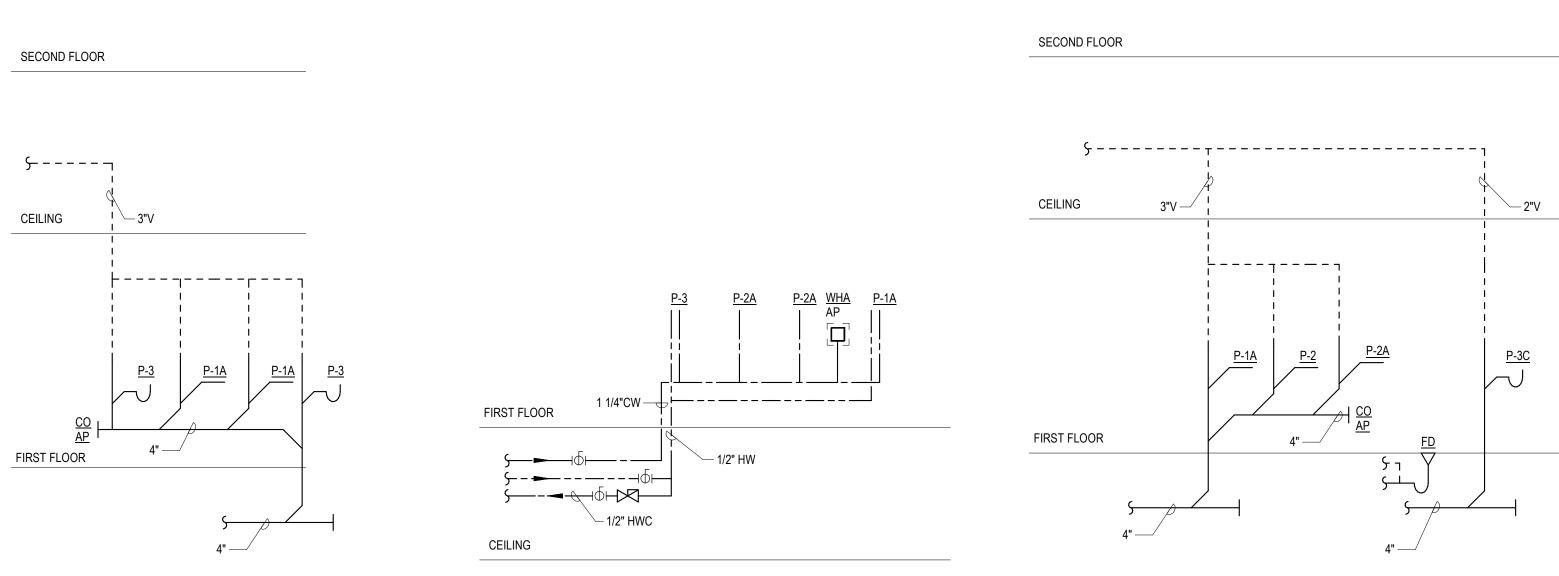








1 TOILET ROOMS B116 & B117 SANITARY RISER N.T.S. 2 TOILET ROOMS B116 & B117 WATER RISER N.T.S.

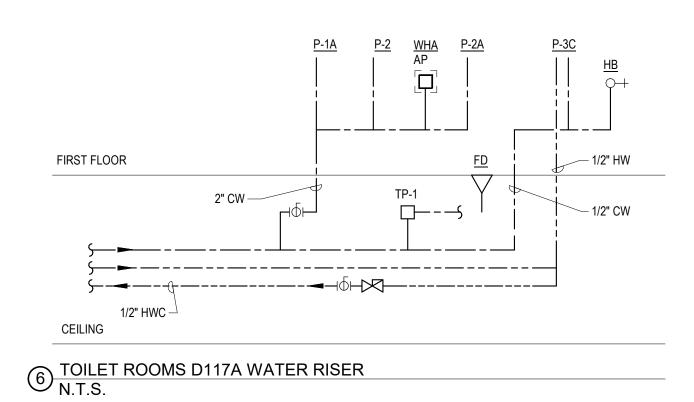


3 TOILET ROOMS C107-C108 SANITARY RISER N.T.S.

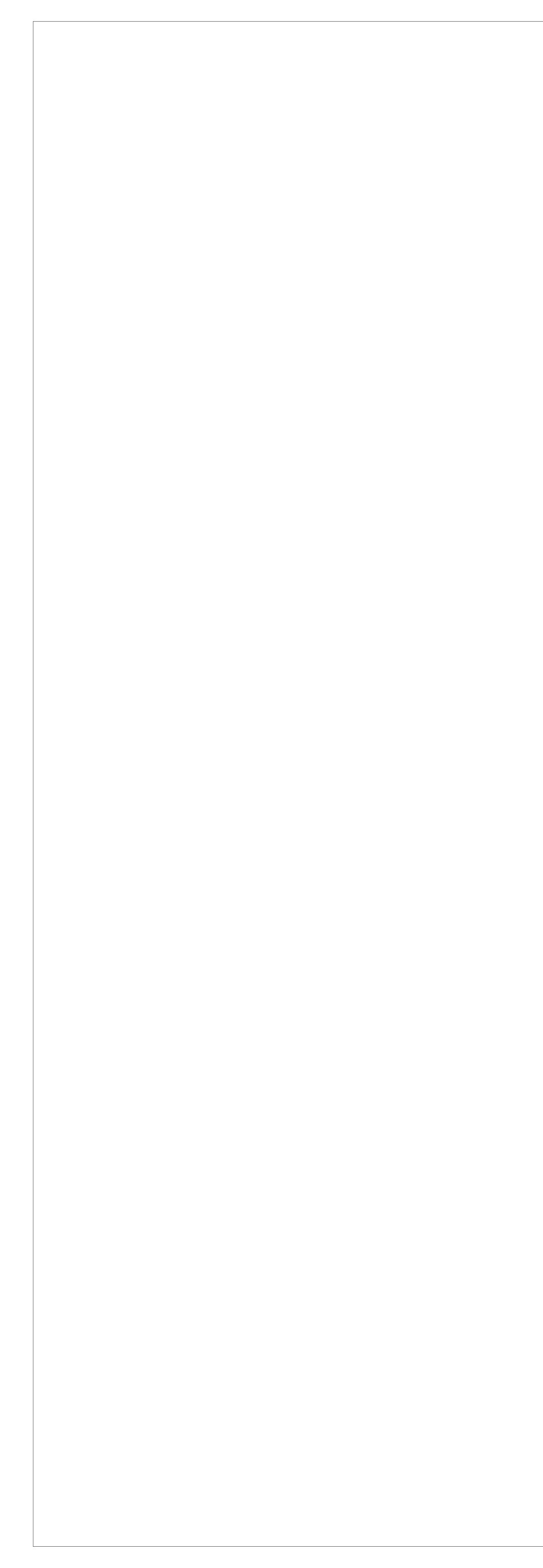
TOILET ROOMS C107-C108 WATER RISER
 N.T.S.

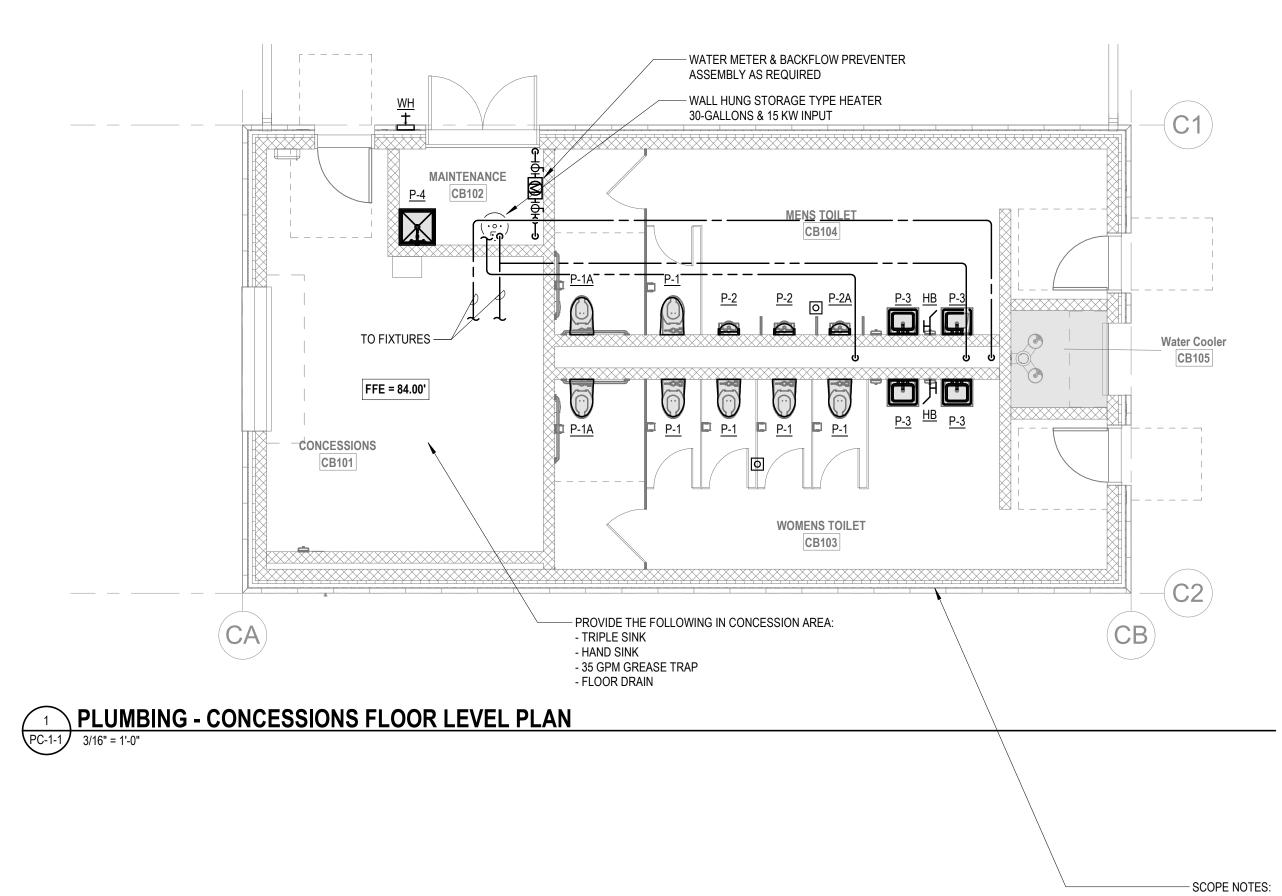
5 TOILET ROOMS D117A SANITARY RISER N.T.S.



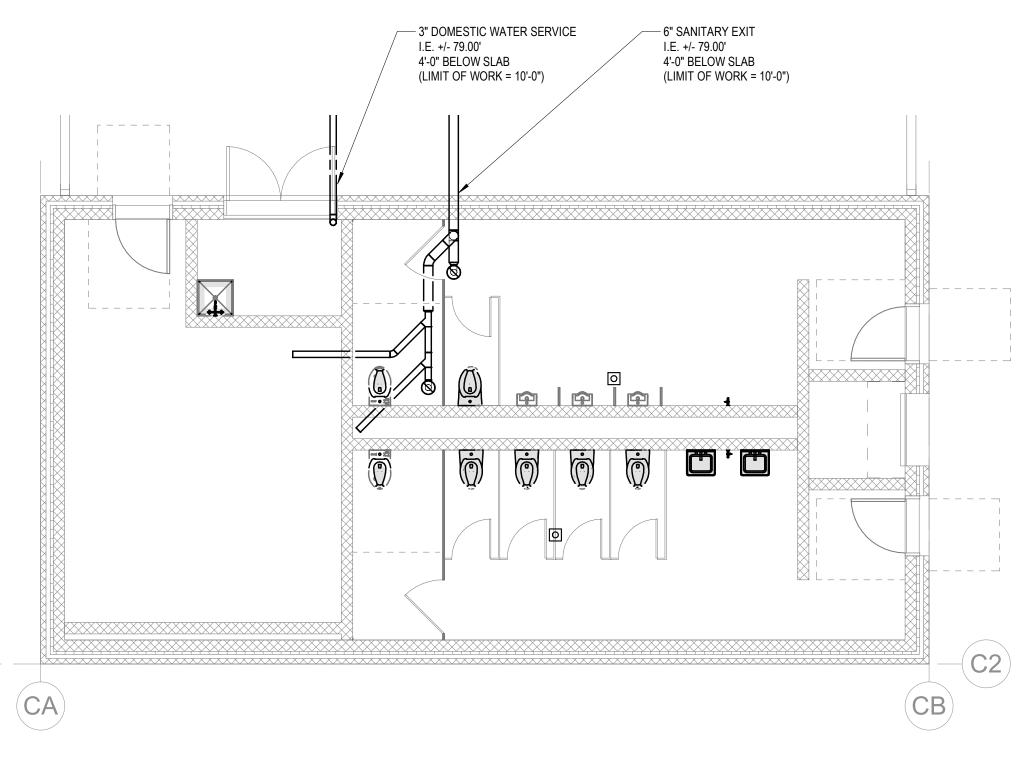


Tel: 860 www.dra North Metrop Regi	260 Charles Street Studio 300 Waltham, MA 02453 ture Interior Design 644.8300 aws.com
Wakefield,	
SUBM	50% CD SSION 13, 2023
PROJECT NORTH	MAGNETIC NORTH
_	IBING SER
Job No.: 20202 Drawn By: DRA Date: January 13, 2023	P5-0-2





2 PLUMBING - CONCESSIONS BELOW SLAB 9/16" = 1'-0"

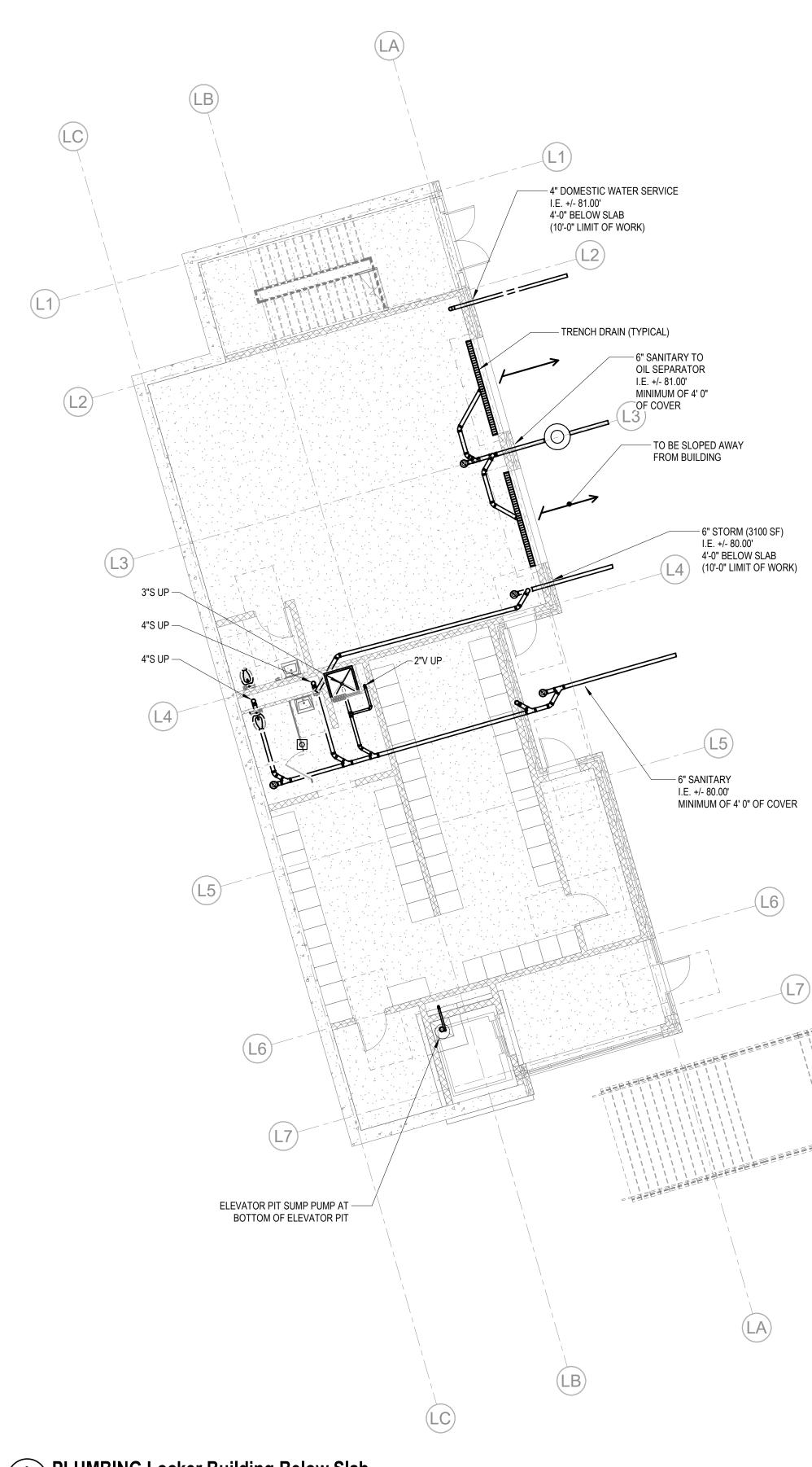


 IT IS ASSUMED THAT THIS BUILDING WILL INCLUDE A SLOPED ROOF TO DRAIN TO EXTERIOR GUTTED AND DOWNSPOUTS BY GENERAL CONTRACTOR.
 PIPING SYSTEM FOR THIS BUILDING SHALL BE SLOPED AND PROVIDED WITH LOW POINT DRAIN VALVES AS TO ALLOW COMPLETE DRAIN DOWN PRIOR TO WINTER SEASON.

	<image/> <section-header><section-header><text><text><text><text><text><text></text></text></text></text></text></text></section-header></section-header>
© COPYRGHT 2021 DRUMMEY ROSANE ANDERSON, INC.	<text><text><text><text><text></text></text></text></text></text>
	PROJECT NORTH   N   MAGNETIC NORTH   N <

SCOPE NOTE:

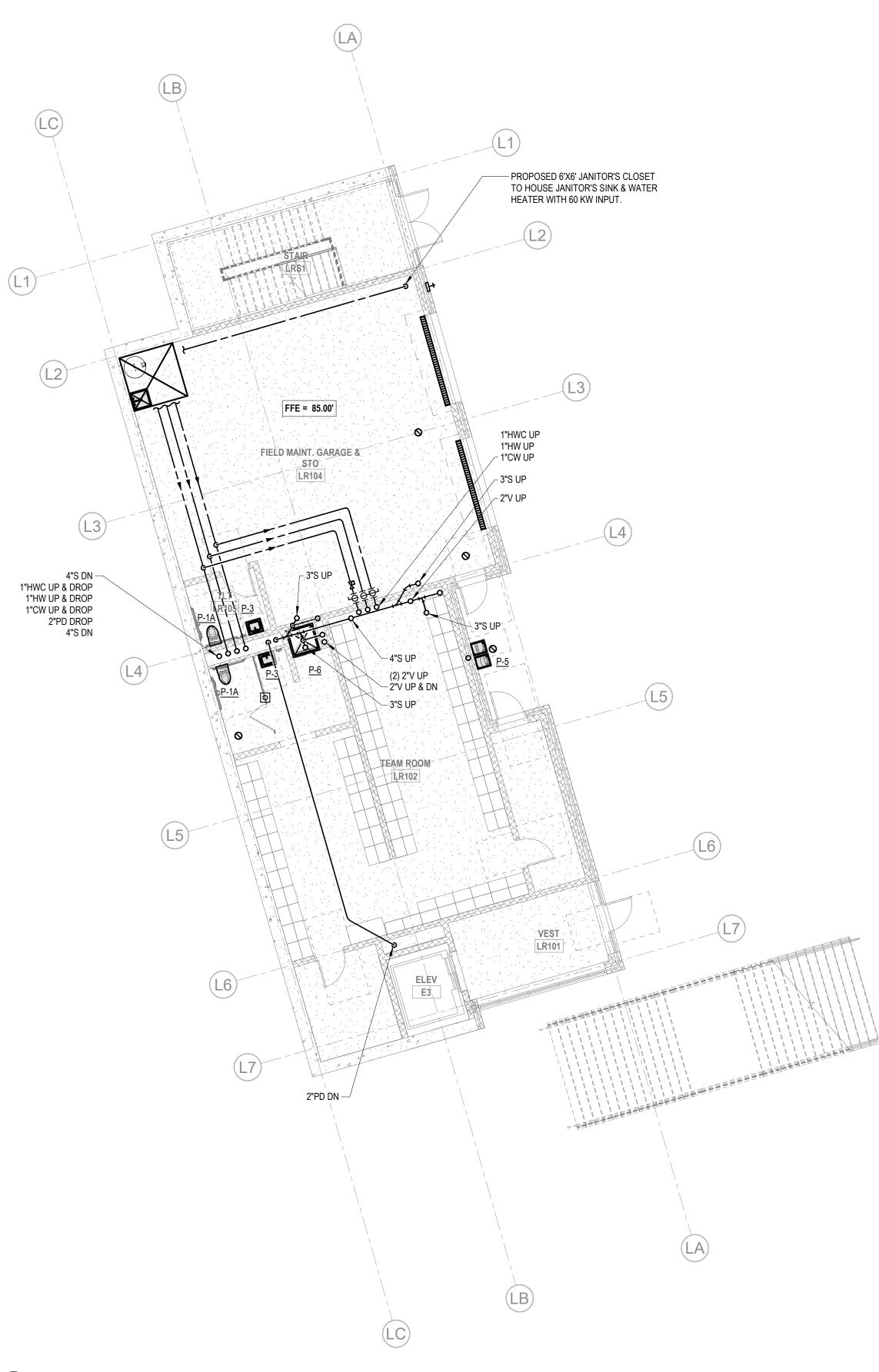
SCOPE OF WORK FOR THIS BUILDING SHALL BE PRICED AS AN ADD ALTERNATE.



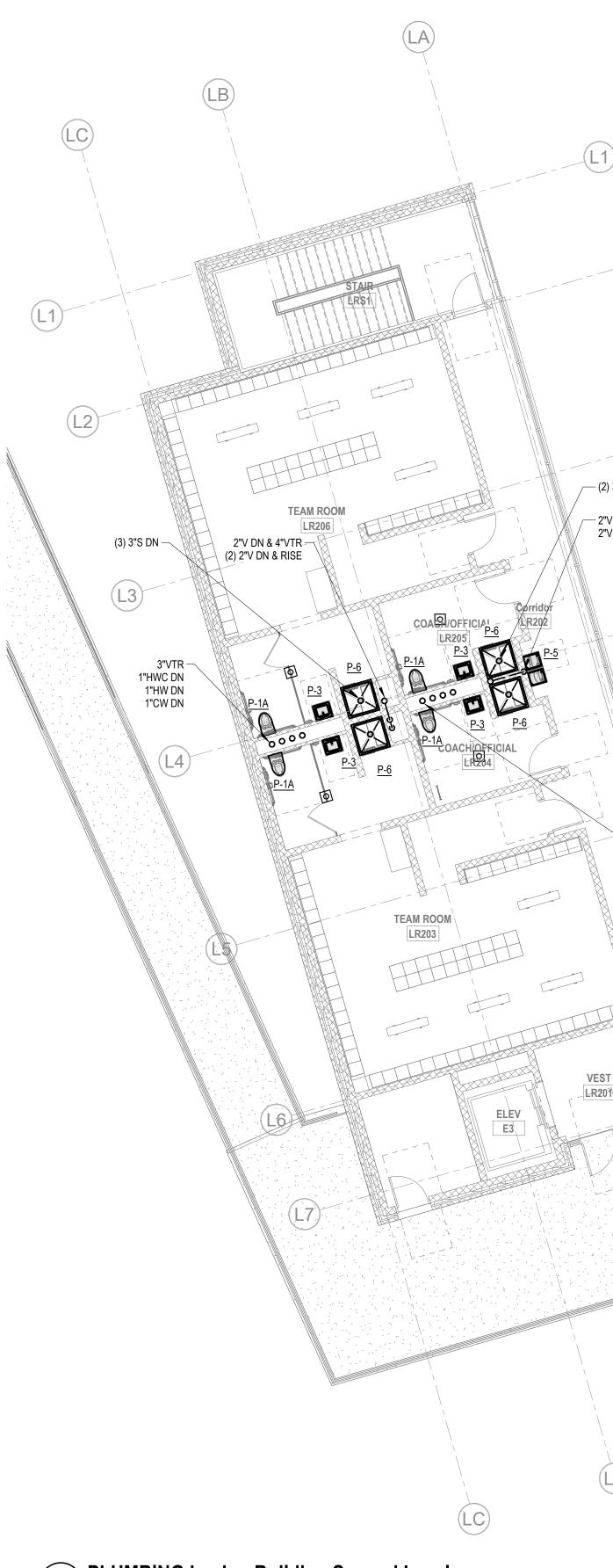
\_L7

\_\_\_\_\_











SCOPE NOTE: SCOPE OF WORK FOR THIS BUILDING SHALL BE PRICED AS AN ADD ALTERNATE.	225 Oakland Studio 205 South Wind 06074 Planning Me H Voca	Studio 300
	S	ENGINEERS
	PROJECT	NORTH MAGNETIC NORTH
		LUMBING LOCKER LDING PLAN
	Job No.: 20202	DRA <b>PL-1-1</b>

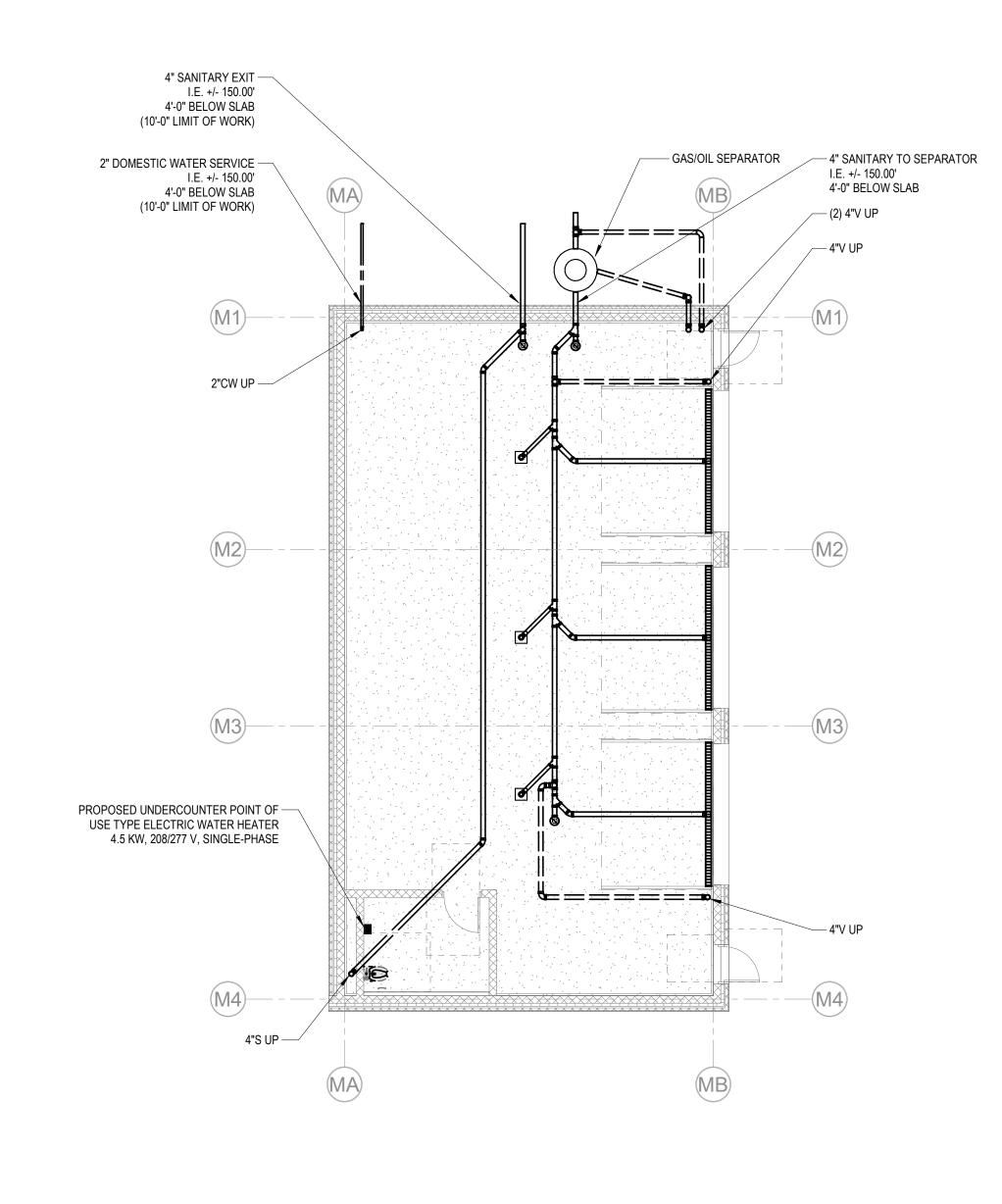
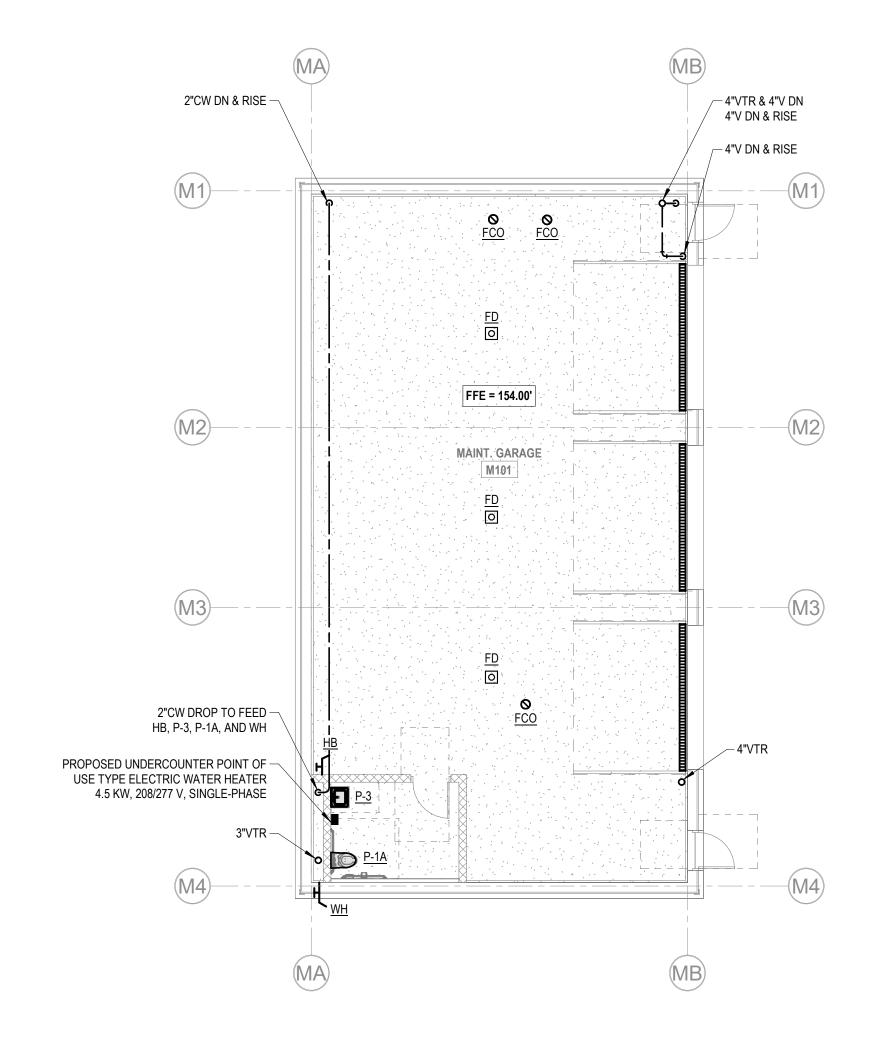


 Image: Physical system
 Physical system

 1
 PM-1-1
 PM-1-1

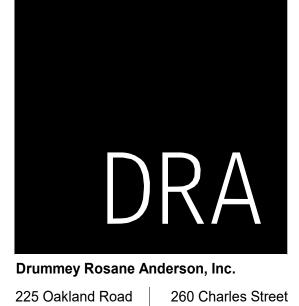
 1/8" = 1'-0"
 1/8" = 1'-0"





SCOPE NOTES: 1. SCOPE OF WORK FOR THIS BUILDING SHALL BE PRICED AS AN ADD ALTERNATE. 2. IT IS ASSUMED THAT THIS BUILDING IS TO INCLUDE A SLOPE TO GUTTERS AND DOWNSPOUT BY GENERAL CONTRACTOR.

3. IT IS TO BE VERIFIED THAT THE ACTIVITIES PLANNED AT THIS BUILDING WILL NOT REQUIRED THE NEED FOR AN EMERGENCY SHOWER/EYEWASH UNIT AND ASSOCIATED DOMESTIC HOT WATER.



Studio 205 South Windsor, CT 06074

Studio 300 Waltham, MA 02453

Planning | Architecture | Interior Design Tel: 617.964.1700 www.draws.com

# Northeast Metropolitan Regional Vocational High School

Wakefield, MA 01880

BALA CONSULTING ENGINEERS, INC. 52 TEMPLE PLACE BOSTON, MA 02111-1306 TEL: 617 357 6060 FAX: 617 357 5188 WWW.BALA.COM

ΒΛLΛ
ENGINEERS
PHLADELPHIA   NEW YORK   BOSTON   BALTIMORE   WASHINGTO MECHANICAL   ELECTRICAL   PLUMBING   FIRE PROTECTION STRUCTURAL   TECHNOLOGY   COMMISSIONING

MSBA 60% CD SUBMISSION January 13, 2023

MAGNETIC NORTH PROJECT NORTH



Scale: 1/8" = 1'-0" Job No.: 20202 PM-1-1 Drawn By: DRA Date: January 13, 2023