GATE VALVE (GV) PRESSURE-RELIEF VALVE (RV) BACKFLOW PREVENTER # FROST FREE HOSE BIBB HOSE BIBB RECESSED-BOX HOSE BIBB OR WALL HYDRANT EXPANSION JOINT WATER HAMMER ARRESTER VALVE IN RISER CO WALL CLEANOUT (WCO) PITCH DOWN OR UP IN DIRECTION OF ARROW FLOW IN DIRECTION OF ARROW COLD WATER (CW) TEMPERED WATER (TW) HOT WATER (HW) TEMPERED WATER RETURN (HWR) WASTE PIPING (W,S,OW) BELOW SLAB WASTE PIPING VENT PIPING (Y) GAS PIPING (G) TO BE REMOVED POINT OF CONNECTION				
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		FLOW IN DIRECTION OF ARROW		
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WASTE PIPING (W,S,OW)		TEMPERED WATER RETURN (TWR)		
BELOW SLAB WASTE PIPING VENT PIPING (V) GAS PIPING (G) TO BE REMOVED POINT OF CONNECTION		HOT WATER RETURN (HWR)		
		WASTE PIPING (W,S,OW)		
GAS PIPING (G) TO BE REMOVED POINT OF CONNECTION				
TO BE REMOVED POINT OF CONNECTION				
POINT OF CONNECTION	7////			
POINT OF DISCONNECTION				
FOINT OF DISCONNECTION		. SINT OF DISCONNECTION		

ABBREVIATIONS			
AFF	ABOVE FINISHED FLOOR		
BTU	BRITISH THERMAL UNIT		
втин	BTU PER HOUR		
CLG	CEILING		
СО	CLEAN OUT		
CODP	CLEAN OUT DECK PLATE		
COWP	CLEAN OUT WALL PLATE		
CW	COLD WATER		
(D)	DEMOLISH		
DCV	DOUBLE CHECK VALVE DEVICE		
DEG.	° FAHRENHEIT		
DIA	DIAMETER		
DN	DOWN		
(E)	EXISTING		
EA	EACH		
FAI	FRESH AIR INTAKE		
FD	FLOOR DRAIN		
G	GAS		
'GC'	GENERAL CONSTRUCTION CONTRACTOR		
GPM	GALLONS PER MINUTE		
GPH			
'H'	HVAC CONTRACTOR		
 HP	HORSEPOWER		
HW	HOT WATER		
HWR			
IN.	HOT WATER RETURN INCHES		
IN. W.C.	INCHES WATER COLUMN (WATER GAUGE)		
(W.G.)	KILOWATTS		
LBS	POUNDS		
M	METER		
MAX	MAXIMUM		
MIN	MINIMUM		
NTS	NOT TO SCALE		
OD (P)	OUTER DIAMETER		
(P)	PROPOSED		
'P'	PLUMBING CONTRACTOR		
PD	PRESSURE DROP		
RD	ROOF DRAIN		
RPM	REVOLUTIONS PER MINUTE		
	RPZ REDUCED PRESSURE ZONE		
	SAN / S SANITARY		
ST	STORM DRAIN		
TEMP	-		
TYP			
TW	TW TEMPERED WATER (110°F)		
TWR	TWR TEMPERED WATER RETURN		
V	VENT		
VTR	VENT THROUGH ROOF		

GENERAL PLUMBING NOTES

- 1. PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE PLUMBING SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND AS REQUIRED BY CODE.
- 2. THE CONTRACTOR, BY PRESENTING THEIR BID FOR THE WORK, REPRESENTS THAT HE/SHE HAS INSPECTED THE SITE AND IS COMPLETELY FAMILIAR WITH THE SCOPE OF WORK AND ALL FIELD CONDITIONS RELATED TO, AND AFFECTING THE WORK AND ITS PERFORMANCE. EXCEPTIONS AFFECTING THE WORK AND ITS PERFORMANCE, OR CONFLICTS BETWEEN FIELD CONDITIONS, SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER PRIOR TO THE SUBMISSION OF RIDS
- 3. PERFORM ALL WORK IN ACCORDANCE WITH THE 2020 PLUMBING CODE OF NEW YORK STATE (PCNYS), MECHANICAL (MCNYS), ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE (ECCCNYS) CODE AND THE REQUIREMENTS OF THE LOCAL AUTHORITIES HAVING JURISDICTION.
- 4. APPLY FOR AND SECURE ALL REQUIRED PERMITS AND INSPECTIONS AND PAY ALL COSTS FOR THE SAME.
- 5. DO NOT SCALE DRAWINGS. DRAWINGS FOR PLUMBING WORK ARE DIAGRAMMATIC AND ARE INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY. THE LOCATIONS OF ALL ITEMS SHOWN ON THE DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS THAT ARE NOT DEFINITELY FIXED BY DIMENSIONS ARE APPROXIMATE.
- 6. COORDINATE CONTRACT DOCUMENTS PROJECT REQUIREMENTS, WORK OF OTHERS, AND EQUIPMENT AND MATERIALS PURCHASED WITH FIELD DIMENSIONS, MANUFACTURERS REQUIREMENTS FOR INSTALLATION, OPERATION, AND MAINTENANCE, CONTRACTORS INTENDED MEANS AND METHODS OF INSTALLATION AND CONTRACTORS FABRICATED ITEMS TO ENSURE A PROPER "FIT" AND INSTALLATION. BRING ANY CONFLICTS TO THE ATTENTION OF THE ARCHITECT/ENGINEER DURING THE SUBMITTAL PHASE FOR RESOLUTION PRIOR TO PURCHASING ANY EQUIPMENT.
- 7. FIELD VERIFY AND COORDINATE ALL PIPING DIMENSIONS BEFORE FABRICATION. MAKE MODIFICATIONS IN THE LAYOUT AS NEEDED TO PREVENT CONFLICT WITH WORK OF OTHER TRADES OR FOR PROPER EXECUTION OF THE WORK. OBTAIN THE APPROVAL OF THE ARCHITECT/ENGINEER FOR MODIFICATIONS.
- 8. PROVIDE PRODUCTS OF ONE MANUFACTURER WHERE TWO OR MORE ITEMS OF THE SAME TYPE OF MATERIAL OR

EQUIPMENT IS REQUIRED.

- 9. INSTALL ALL EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, CONTRACT DOCUMENTS, AND APPLICABLE CODES AND REGULATIONS. REFER TO DETAILS FOR ADDITIONAL PIPING AND EQUIPMENT INSTALLATION REQUIREMENTS.
- 10. LOCATE ALL TEMPERATURE, PRESSURE, AND FLOW MEASURING DEVICES IN ACCESSIBLE LOCATIONS WITH STRAIGHT SECTION OF PIPE UP- AND DOWNSTREAM AS RECOMMENDED BY THE MANUFACTURER TO ENSURE MANUFACTURER CERTIFIED ACCURACY.
- 11. COORDINATE ALL EQUIPMENT CONNECTIONS WITH MANUFACTURER'S CERTIFIED DRAWINGS. COORDINATE AND PROVIDE ALL PIPING TRANSITIONS REQUIRED FOR FINAL CONNECTIONS TO EQUIPMENT.
- 12. COORDINATE LOCATIONS AND SIZES OF ALL FLOOR, WALL, AND ROOF OPENINGS WITH ALL OTHER TRADES. COORDINATE ALL PIPING AND EQUIPMENT SUPPORTED FROM STRUCTURE WITH GENERAL CONSTRUCTION WORK.
- 13. COMPLETE ALL PRESSURE TESTS BEFORE ANY PLUMBING EQUIPMENT, OR PIPING INSULATION IS APPLIED.
- 14. MAKE ALL ATTACHMENTS TO JOISTS, TRUSSES, OR JOIST GIRDERS AT PANEL POINTS. PROVIDE BEAM CLAMPS MEETING MSS STANDARDS. THE USE OF C-CLAMPS IS NOT PERMITTED.
- 15. PROVIDE CONCRETE PADS A MINIMUM OF 4 INCHES HIGH FOR ALL FLOOR MOUNTED EQUIPMENT. EXTEND PAD 4 INCHES BEYOND THE EQUIPMENT ON ALL SIDES.
- 16. INSTALL PIPING, AND CONDUIT CONCEALED IN AREAS HAVING HUNG CEILINGS AND/OR FURRED SPACES UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
- 17. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL ACCESSIBLE FIXTURES. MOUNT ALL SUCH FIXTURES IN ACCORDANCE WITH THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.
- 18. PROVIDE ACCESS DOORS IN WALLS, PARTITIONS, AND CEILINGS AS REQUIRED TO MAKE VALVES, WATER HAMMER ARRESTERS, ETC. READILY ACCESSIBLE.
- 19. ARRANGE FOR, COORDINATE, AND MAKE CONNECTION TO ALL SERVICES PROVIDED BY OTHERS. CONFORM TO ALL REQUIREMENTS APPLICABLE TO CONNECTIONS IMPOSED BY UTILITY COMPANIES AND AUTHORITIES HAVING
- 20. INSTALL FIXTURES AND EQUIPMENT WITH VALVES, UNIONS, ETC. TO ALLOW FOR EASE OF SERVICE AND/OR REMOVAL.
- 21. PROVIDE A CLEANOUT AT THE BASE OF WASTE AND VENT STACKS WITH FINISHED WALL PLATE IN FINISHED WALLS.
- 22. FURNISH AND INSTALL WATER PRESSURE REDUCING VALVE AND PRESSURE RELIEF VALVE IN ACCORDANCE WITH THE PLUMBING CODE OF NEW YORK STATE ON ALL INCOMING DOMESTIC WATER SYSTEMS IN EXCESS OF 80 P.S.I.G.
- 23. SLOPE ALL VENT PIPING TO DRAIN BACK TO THE DRAINAGE SYSTEM.
- 24. FLUSH AND DISINFECT ALL DOMESTIC POTABLE WATER PIPING AND TEST THE WATER IN ACCORDANCE WITH THE PLUMBING CODE OF NEW YORK STATE. PROVIDE CERTIFICATE OF PERFORMANCE AND LABORATORY TEST REPORT TO LOCAL AUTHORITIES HAVING JURISDICTION AND OBTAIN THEIR APPROVAL.
- 25. PROVIDE WATER HAMMER ARRESTORS AT ALL QUICK CLOSING FIXTURE VALVE LOCATIONS.
- 26. ALL PIPING, VALVES AND FITTINGS USED FOR POTABLE WATER SHALL BE NSF 61/372 COMPLIANT AND BE TESTED FOR
- 27. ANY PENETRATIONS THROUGH AIR BARRIER SHALL BE SEALED AS PER 2020 BCNYS AND COMMERCIAL PROVISIONS.
- 28. ALL PIPING IN PLENUM SPACES SHALL BE CAST IRON FOR SANITARY, STORM, VENT SYSTEMS, AND COPPER PIPING FOR DOMESTIC SYSTEMS, AND STEEL PIPING FOR GAS SYSTEMS. NO PLASTIC PIPING ALLOWED.
- 29. HOT WATER TEMPERATURE FOR ALL PUBLIC HAND WASHING FIXTURES SHALL BE TEMPERED TO A MAXIMUM TEMPERATURE OF 110 DEGREES F.
- 30. ALL FIXTURES SHALL MEET THE WATER CONSERVATION REQUIREMENTS LISTED IN THE TABLE 604.4 OF THE 2020 PLUMBING CODE OF NEW YORK STATE.
- 31. ALL FIXTURES THAT HAS THE ABILITY TO HAVE A HOSE CONNECTED TO IT, OR DIRECT CONNECTED FIXTURES, SHALL HAVE A BACKFLOW PREVENTION DEVICE ON THE FAUCET, VACUUM BREAKER (ASSE 1052 AND ASME A112.21.3).
- 32. ALL SANITARY FITTINGS SHALL BE 'WYE' TYPE AND SHALL FOLLOW THE DIRECTION OF FLOW.
- 33. IN THE EVENT THAT THERE IS A DISCREPANCY BETWEEN DESIGN PLANS, RISER DIAGRAMS, AND/OR SPECIFICATIONS CONCERNING PIPE SIZES, FIXTURES, AND/OR EQUIPMENT, THE MOST STRINGENT REQUIREMENTS SHALL BE APPLIED TO THE PROJECT.
- 34. FIRE STOP ALL OPENINGS IN FIRE RATED CONSTRUCTION FOR PIPING, CONDUIT, ETC.
- 35. MAINTAIN MAXIMUM HEADROOM AND SPACE CONDITIONS AT ALL POINTS. WHERE HEADROOM AND SPACE CONDITIONS APPEAR INADEQUATE, NOTIFY ARCHITECT PRIOR TO PROCEEDING WITH INSTALLATION. MAINTAIN A MINIMUM OF 6'-8" CLEARANCE FROM FINISHED FLOOR TO UNDERSIDE OF PIPES, CONDUITS, SUSPENDED EQUIPMENT, ETC., THROUGHOUT ACCESS ROUTES IN MECHANICAL ROOMS.
- 36. CORE DRILL ALL PENETRATIONS THROUGH CONCRETE FLOORS, WALLS, AND FOOTINGS.
- 37. INSTALL LINK SEAL TYPE PROTECTION FOR WATER RESISTANT SEALS AT ALL SLAB AND BELOW GROUND WALL FOOTING PENETRATIONS.
- 38. COVER ALL COPPER PIPING BELOW SLAB WITH *ARMAFLEX* TYPE INSULATION.

ENERGY NOTES

2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE NOTES: STATEMENT OF COMPLIANCE:

TO THE BEST OF MY KNOWLEDGE, AND PERSONAL JUDGEMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 NEW YORK STATE ENERGY CONSERVATION CODE (ECCCNYS).

- 1. SERVICE WATER HEATING EQUIPMENT PERFORMANCE EFFICIENCY:
- 1.1. WATER HEATING EQUIPMENT AND HOT WATER STORAGE TANKS SHALL MEET THE REQUIREMENTS OF TABLE C404.2 IN THE 2020 ECCCNYS. (ECCCNYS C404.2)
- 1.2. SERVICE WATER HEATING SHALL BE COMMISSIONED AND COMPLETED IN ACCORDANCE WITH SECTION C408.2 OF THE 2020 ECCCNYS.

2. TEMPERATURE CONTROL:

- 2.1. SERVICE WATER HEATING EQUIPMENT SHALL BE PROVIDED WITH CONTROLS ALLOWING A SETPOINT OF 110°F AND 90 °F FOR OTHER OCCUPANCIES. PUBLIC REST ROOM LAVATORIES SHALL HAVE A MAXIMUM OUTLET
- . WHERE WATER HEATING EQUIPMENT SERVING NONCIRCULATING SYSTEMS IS NOT SUPPLIED WITH INTEGRAL HEAT TRAPS, HEAT TRAPS SHALL BE PROVIDED ON THE SUPPLY AND DISCHARGE PIPING. (ECCCNYS C404.3)

3. PIPE INSULATION:

- 3.1. AUTOMATIC CIRCULATING HOT WATER SYSTEM PIPING SHALL BE INSULATED WITH 1 INCH OF INSULATION WITH A CONDUCTIVITY NOT EXCEEDING 0.27 BTU PER INCH, OR THE INSULATION REQUIREMENTS, WHICHEVER IS GREATER. THE FIRST 8 FT OF PIPING IN NONCIRCULATING SYSTEMS WITH EQUIPMENT WITHOUT INTEGRAL HEAT TRAPS SHALL BE INSULATED WITH 0.5 INCH OF MATERIAL HAVING A CONDUCTIVITY NOT EXCEEDING 0.27 BTU PER INCH, OR THE INSULATION REQUIREMENTS, WHICHEVER IS GREATER. (ECCCNYS C404.5)
- 3.2. ALL PIPING TO BE INSULATED WITH 0.21-0.28 CONDUCTIVITY

HOT WATER PIPING (140°F) AND TEMPERED WATER PIPING (110°F)

- 3.3. COLD WATER PIPING ALL SIZES 1-INCH INSULATION, A.S. JACKET.
 3.4. STORM DRAINAGE PIPING ALL HORIZONTAL RUNS AND DRAIN BODY MINIMUM 1-INCH INSULATION, A.S. JACKET.
- 3.5.1. PIPE SIZE: < 1" INSULATION: 1" 3.5.2. PIPE SIZE: 1" TO < 1-1/2" INSULATION: 1"
- 3.5.2. PIPE SIZE: 1" TO < 1-1/2" INSULATION: 3.5.3. PIPE SIZE: 1-1/2 TO < 4" INSULATION:
- 3.5.3. PIPE SIZE: 1-1/2 TO < 4" INSULATION: 1.5" 3.5.4. PIPE SIZE: 4" TO < 8" INSULATION: 1.5"

4. HOT WATER SYSTEM CONTROLS:

I. CIRCULATING HOT WATER SYSTEM PUMPS OR HEAT TRACE SHALL BE ARRANGED TO BE TURNED OFF EITHER AUTOMATICALLY OR MANUALLY WHEN THERE IS LIMITED HOT WATER DEMAND. READY ACCESS SHALL BE PROVIDED TO THE OPERATING CONTROLS. (ECCCNYS C404.6)

5. PIPE VOLUME AND MAXIMUM LENGTHS

PER SECTION OF C404.5.1 OF THE 2020 ECCCNYS, ALL MAXIMUM PIPE LENGTHS FROM FIXTURES SHALL COMPLY WITH THE MAXIMUM PIPE LENGTHS ON THE CHART BELOW. CONTRACTOR TO ENSURE HOT WATER RETURN PIPING IS INSTALLED AS PER PLANS AND THAT THESE LENGTHS ARE MAINTAINED.

NOMINAL PIPE SIZE (INCHES)	VOLUME (LIQUID OUNCES PER FOOT LENGTH)	MAXIMUM PIPING LENGTH (FEET)	
		PUBLIC LAVATORY FAUCETS	OTHER FIXTURES AND APPLIANCES
1/4"	0.33	6	50
5/16"	0.5	4	50
3/8"	0.75	3	50
1/2"	1.5	2	43
5/8"	2	1	32
3/4"	3	0.5	21
7/8"	4	0.5	16
1"	5	0.5	13
1-1/4"	8	0.5	8
1-1/2"	11	0.5	6
2" OR LARGER	18	0.5	4

LEAD FREE NOTE

- . ALL FAUCETS, FITTINGS, AND VALVES MUST COMPLY WITH NSF 61 AND ANSI / NSF 372 FOR LOW LEAD PERCENTAGE
- 2. CONTRACTOR SHALL BE RESPONSIBLE TO DEMONSTRATE COMPLIANCE WITH THE NYS DEPARTMENT OF HEALTH LEAD IN WATER REGULATION (10 NYCRR 67-4).
- 3. AT THE CONCLUSION OF NEW PLUMBING WORK, THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE THE SERVICES OF A THIRD PARTY NYS LICENSED ENVIRONMENTAL TESTING LABORATORY TO PROVIDE LEAD TESTING AT ALL NEW LAVATORIES, SINKS, DRINKING FOUNTAINS AND ALL OTHER FIXTURES WHERE WATER MAY BE CONSUMED FOR DRINKING. TWO COPIES OF THE REPORT MUST BE SUBMITTED, ONE COPY TO THE ENGINEER AND THE OTHER ONE TO THE OWNER.

DEMOLITION NOTES

<u>GENERAL</u>

- 1. PRIOR TO PROPOSAL SUBMISSION, THIS CONTRACTOR SHALL VISIT THE SITE TO REVIEW THE EXISTING CONDITIONS ASSOCIATED WITH THE SCOPE OF WORK AND ADJACENT AREAS TO ASCERTAIN THE DIFFICULTIES WHICH WILL AFFECT THE EXECUTION OF THE WORK OF THIS CONTRACT.
- 2. SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT THE ABOVE SITE EXAMINATION HAS BEEN MADE AND LATER CLAIMS WILL NOT BE RECOGNIZED FOR EXTRA LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN HAD SUCH AN EXAMINATION BEEN MADE.
- 3. ALL DEMOLITION WORK SHALL BE IN COMPLIANCE WITH ALL FEDERAL AND NEW YORK STATE APPLICABLE BUILDING AND LIFE AND SAFETY REGULATIONS.

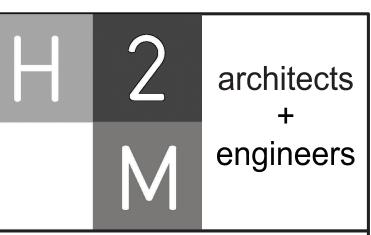
SCOPE OF WORK

- 1. DEMOLITION WORK SHALL INCLUDE ALL MATERIALS, LABOR, EXTENSIONS, CONNECTIONS, CUTTING, REPAIRING, ADAPTING AND OTHER PLUMBING WORK REQUIRED TO MAINTAIN SERVICE PENDING THE COMPLETION OF THE PERMANENT WORK. COORDINATE THE EXTENT OF DEMOLITION WORK WITH THE ARCHITECT AND BUILDING MANAGEMENT.
- 2. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL CONSTRUCTION DEBRIS AND UNWANTED MATERIAL OFF SITE IN ACCORDANCE WITH CONTRACT SPECIFICATIONS.
- 3. THE CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE ADJOINING SURFACES OUTSIDE THE CONTRACT AREA OR SCOPE OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE TO RESTORE TO EXISTING CONDITIONS SURFACE DAMAGED DURING CONSTRUCTION INCLUDING PATCHING AND PAINTING AS REQUIRED AND DEEMED
- NECESSARY BY THE ARCHITECT.

 4. ALL EXISTING WORK REQUIRED TO REMAIN BUT INTERFERING WITH PROPOSED NEW PLUMBING (AS WELL AS ELECTRICAL, MECHANICAL AND GENERAL CONSTRUCTION WORK) SHALL BE RELOCATED AND RECONNECTED USING MATERIALS CONFORMING TO
- STANDARDS OF THIS CONTRACT.

 5. REMOVE ALL FIXTURES AS NOTED ON THE ARCHITECTURAL PLANS. PROVIDE TEMPORARY CAPS FOR HOT, COLD AND SANITARY CONNECTIONS DURING NEW
- CONSTRUCTION.
- REMOVE BASE BUILDING PIPING AS INDICATED BELOW:
 REMOVE ALL ABANDONED BASE BUILDING PIPING BACK TO THE EXISTING WET COLUMNS OR SHAFTS, OR AS NOTED ON DRAWINGS.
- 6.2. CONTRACTOR TO CONTACT BUILDING MANAGEMENT AND TENANT REGARDING REMOVAL SCOPE OF WORK TO MAINTAIN CONTINUITY OF ALL SERVICES TO ALL TENANTS WHO ARE TO REMAIN OPERATIONAL AND NOT BE AFFECTED BY DEMOLITION WORK.
- 6.3. ALL EXISTING BUILDING VALVES FOR DOMESTIC WATER MAINS AT SHAFTS ARE TO
- 7. PROVIDE ADDITIONAL SUPPORT FOR ALL EXISTING PIPING TO REMAIN WHICH ARE
- AFFECTED BY DEMOLITION OF EXISTING CEILING AND PARTITIONS.

 8. COORDINATE WITH OWNER TO DETERMINE WHETHER REMOVED EQUIPMENT IS TO BE
- TURNED OVER TO THE OWNER.



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NY Engineering Certificate of Authorization No. 0018178

CONSULTANTS	S:		

MARK	DATE	DESCRIPTION
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	10-28-2024	BID SET



JONATHAN R. MURATORE, P.E.

NY < LICENSE /REGISTRATION> Lic. No. < 132456>

"IN ACCORDANCE WITH ARTICLE 145, SECTION 7209 OF THE NYS EDUCATION LAW, ALTERATION OF THIS DOCUMENT EXCEPT BY LICENSE PROFESSIONAL IS ILLEGAL"

DESIGNED BY: | DRAWN BY: | CHECKED BY: | REVIEWED BY: | RFB

PROJECT No.: | DATE: | SCALE: | AS SHOWN

WHITE PLAINS CITY SCHOOL DISTRICT

UPGRADES AT
MAMARONECK AVENUE
ELEMENTARY SCHOOL



7 Nosband Ave., White Plains, NY 10605

SED PROJECT CONTROL 66-22-00-01-0-004-021

CONTRACT P
PLUMBING CONTRACT

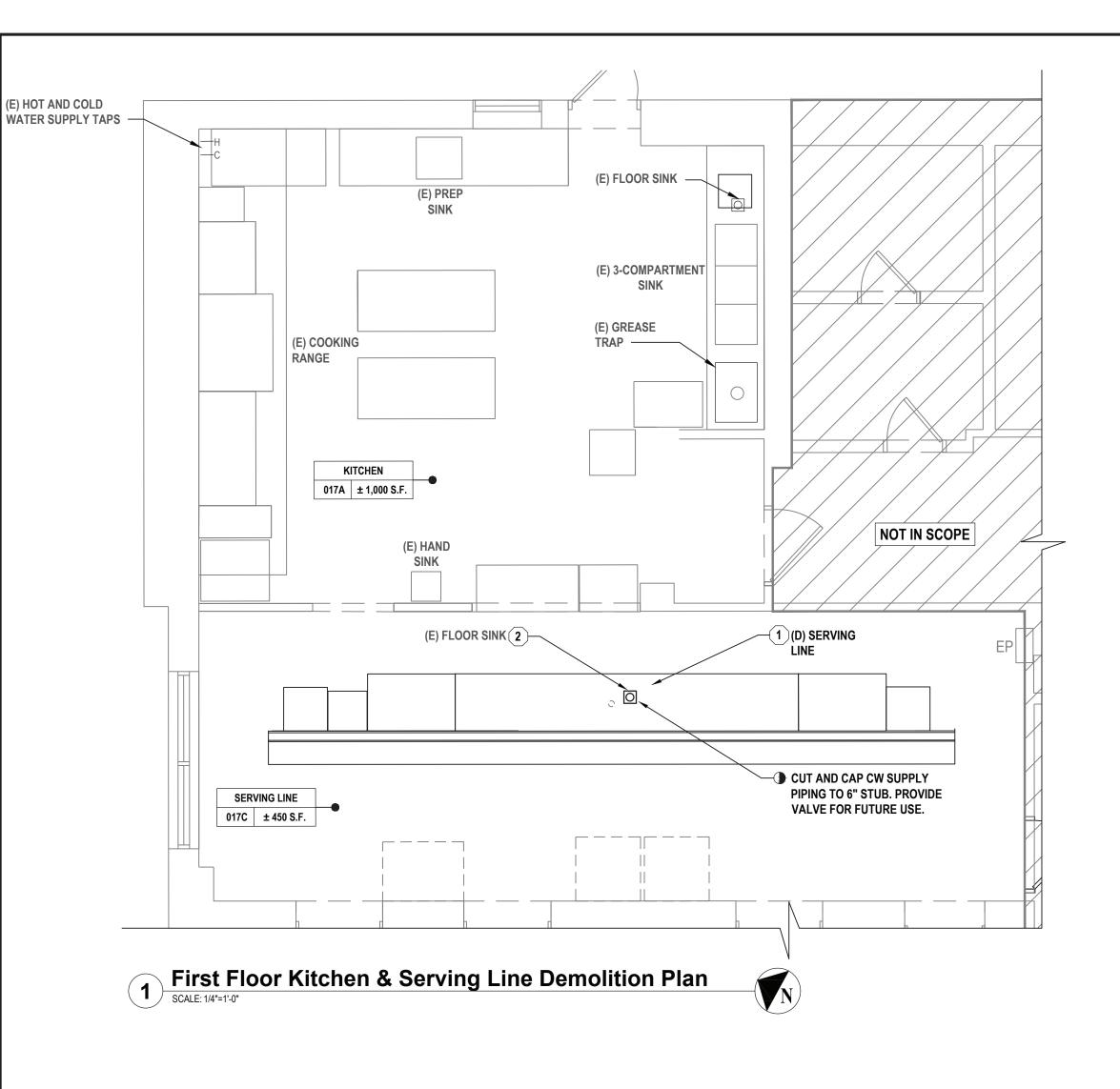
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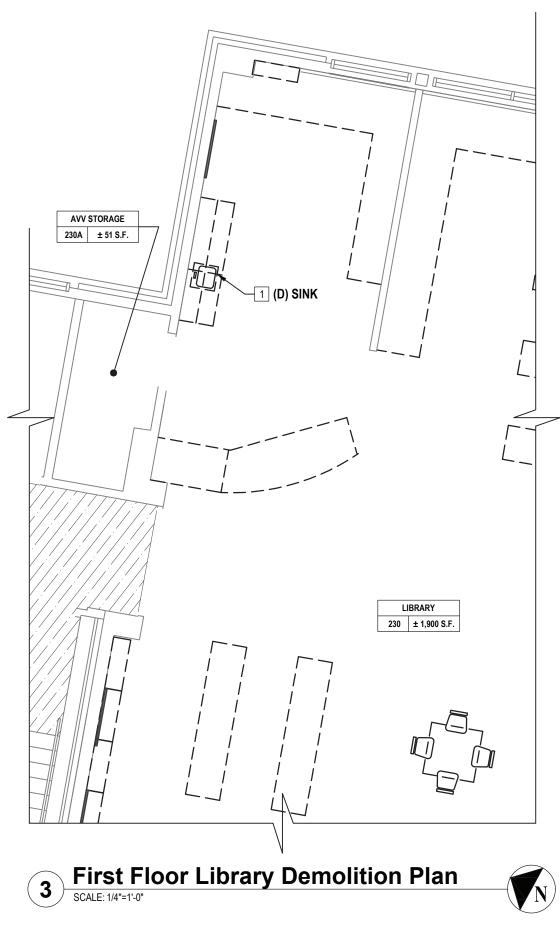
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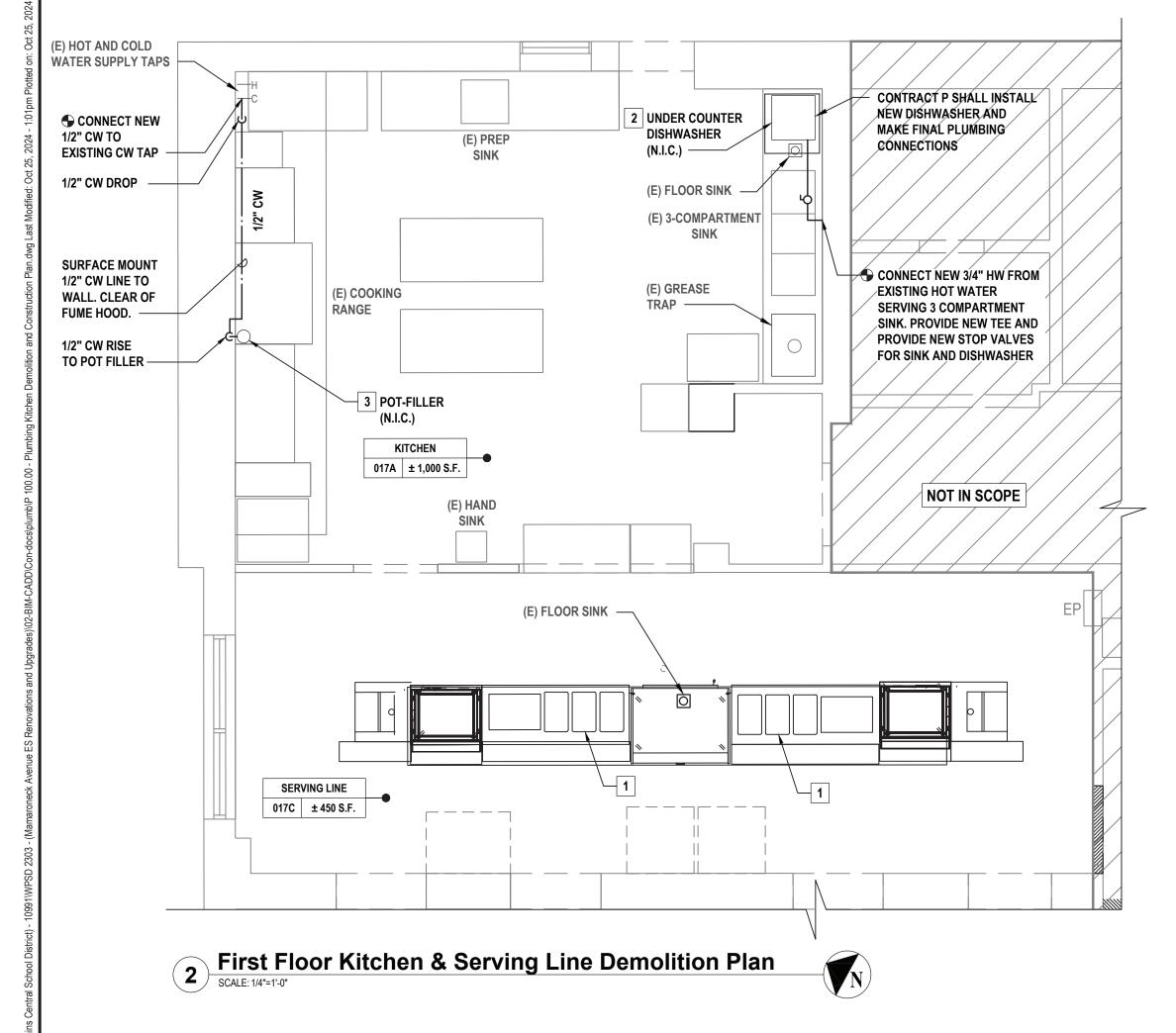
PLUMBING GENERAL NOTES, LEGENDS, AND ABBREVIATIONS

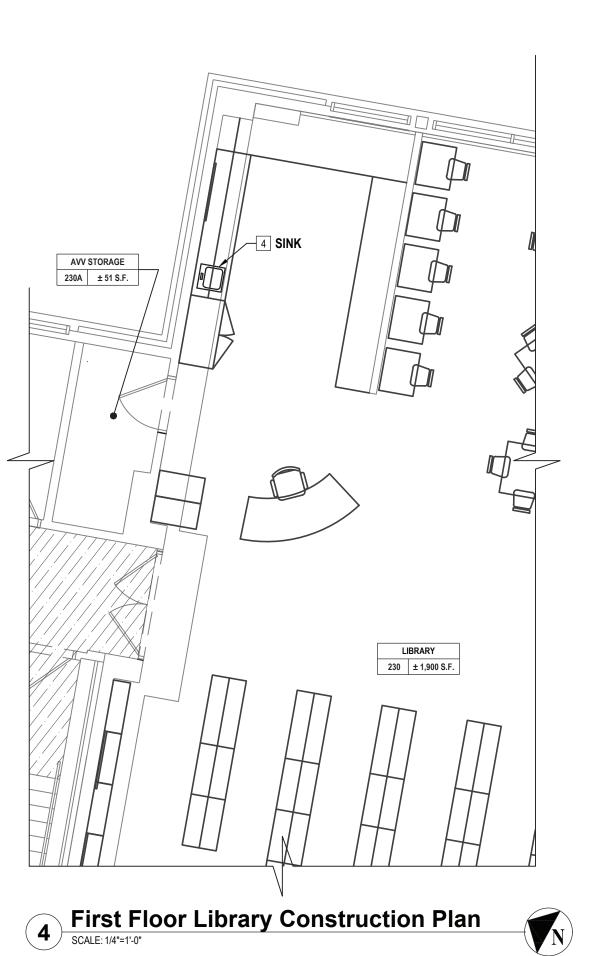
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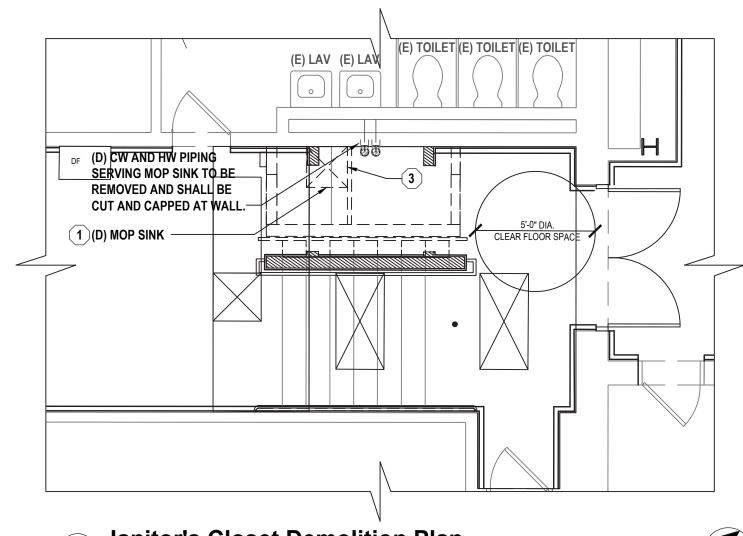




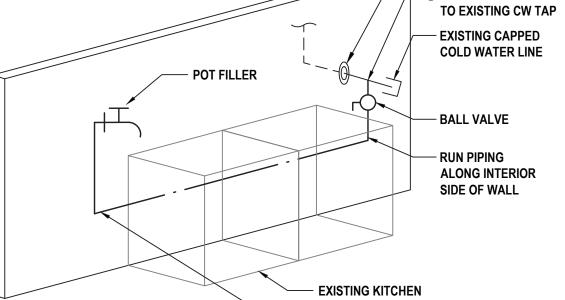


(X) KEYED PLUMBING DEMOLITION NOTES

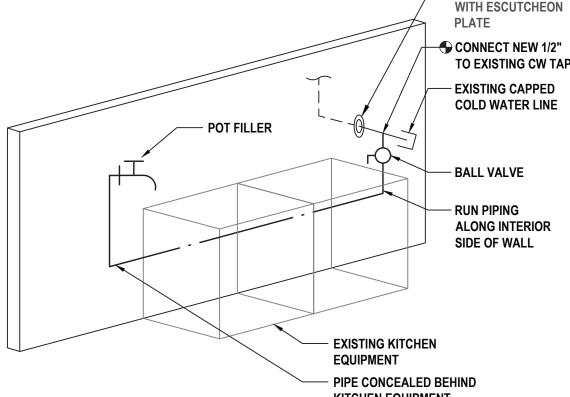
- COMPLETELY REMOVE AND DISPOSE OF PLUMBING FIXTURE AND ALL DEVICES USED TO SECURE THIS FIXTURE IN PLACE. WORK SHALL INCLUDE THE REMOVAL OF EXISTING SUPPORT CARRIERS AND TO CUT AND CAP ALL PLUMBING PIPING. PREPARE PIPING FOR RECONNECTION AS NECESSARY. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ADEQUATE ACCESS INTO WALLS, CHASES, AND SOFFITS TO ENSURE REMOVAL. UPON INSTALLATION OF NEW FIXTURES, CARRIERS, AND PIPING, THE CONTRACTOR SHALL PATCH ALL ACCESS AREAS AND PREPARE SURFACES FOR NEW FINISHES.
- 1.1 REMOVE AND DISPOSE OF ALL WALL/FLOOR CARRIERS, AND BRANCH PIPING AS NEEDED TO ACCOMMODATE NEW FIXTURE LAYOUTS. SEE ARCHITECTURAL SHEETS FOR NEW FIXTURE LAYOUT.
- 1.2 PRIOR TO THE REMOVALS OF FIXTURES, THE CONTRACTOR SHALL MAKE ALL NECESSARY DISCONNECTS. WORK SHALL INCLUDE SANITARY, HW, CW, HWR AND VENT PIPING. ALL PIPING SHALL BE CUT AND CAPPED ABOVE THE CEILING OR BELOW THE FLOOR. THE CONTRACTORS SHALL SHUT WATER OFF TO THE FIXTURES AND REPLACE ANY DAMAGED VALVES.
- 1.3 REMOVE AND DISPOSE OF ALL PIPING DEEMED OBSOLETE, INCLUDING WATER DISTRIBUTION, SANITARY, VENT, HANGERS, SUPPORTS, STRAPS, FITTINGS, VALVES AND ALL DEVICES USED TO SECURE THEIR PIPING/FITTINGS IN PLACE.
- 1.4 SEAL ALL PIPING PENETRATIONS AND INSTALL FIRE-STOPPING IN ALL RATED WALLS, FLOORS, SOFFITS ETC. OPENING LARGER THAN 1.5x THE DIAMETER OF THE PIPING PASSING THROUGH SHALL BE SEALED WITH NON-SHRINK EPOXY GROUT.
- 1.5 FLUSH AND SNAKE ALL SANITARY/WASTE LINES INCLUDING FLOOR DRAINS AND CLEANOUTS BACK TO THEIR ASSOCIATED RISERS PRIOR TO THE START OF THE WORK.
- EXISTING FLOOR SINK BODY TO REMAIN. REPLACE STRAINER AND RAISE/LOWER TO MATCH NEW FINISHED FLOOR HEIGHT.
- CONTRACTOR TO CUT AND CAP ALL PIPING A MINIMUM OF 1'-0" BELOW FLOOR SLAB FOR INSTALLATION OF NEW CHAIR LIFT. SEE ARCHITECTURAL PLANS FOR MORE INFO.



5 Janitor's Closet Demolition Plan
SCALE: 1/4"=1'-0"



6 Pot Filler Plumbing Routing Detail



KITCHEN EQUIPMENT

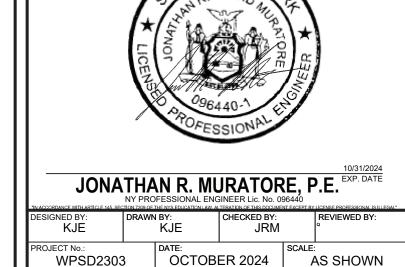
/— (E) PIPE PENETRATION



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engineers

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WHITE PLAINS CITY **SCHOOL DISTRICT**

UPGRADES AT MAMARONECK AVENUE **ELEMENTARY SCHOOL**



7 Nosband Ave., White Plains, NY 10605

SED PROJECT CONTROL NO. 66-22-00-01-0-010-018

CONTRACT P PLUMBING CONSTRUCTION

BID SUBMISSION

PLUMBING KITCHEN **DEMOLITION AND CONSTRUCTION PLAN**

P 100.00



- VERIFY IN FIELD EXACT LOCATIONS OF HOT WATER AND COLD WATER SUPPLY PIPING. SANITARY, WASTE & VENT PIPING. REROUTE AND MODIFY EXISTING PLUMBING PIPING AS REQUIRED FOR CONNECTIONS TO NEW AND EXISTING PLUMBING FIXTURES.
- INSULATE ALL NEW WATER PIPING AND RE-INSULATE ALL EXISTING WATER PIPING WHERE INSULATION IS DAMAGED.
- ALL 3" & 4" SANITARY PIPING TO BE SLOPED A MINIMUM OF 1/8"/FT. ALL 1-1/2" & 2" SANITARY PIPING TO BE SLOPED A MINIMUM OF 1/4"/FT. ALL KITCHEN WASTE PIPING TO
- CHASE WALL WILL NEED TO BE OPENED TO ALLOW ACCESS TO EXISTING PIPING AND THEN REPAIRED. REFER TO ARCHITECTURAL DRAWINGS FOR MORE DETAIL.

KEYED PLUMBING CONSTRUCTION NOTES

- PROVIDE 1-1/2" INDIRECT 1-1/2" DRAIN TO EXISTING FLOOR SINK. MAINTAIN A MINIMUM 3" AIR GAP BETWEEN INDIRECT DRAIN AND FLOOR SINK.
- CONNECT NEW 3/4" HOT WATER PIPING TO NEW UNDERCOUNTER DISHWASHER. 1-1/2" INDIRECT DRAIN FROM DISHWASHER TO EXISTING FLOOR SINK WITH 3" AIR GAP.
- CONNECT NEW 1/2" CW TO NEW POT FILLER.

BE SLOPED A MINIMUM OF 1/4"/FT.

RECONNECT EXISTING SUPPLY AND DRAINAGE PIPING TO NEW SINK LOCATION. MODIFY PIPING AS REQUIRED. SINK BY OTHERS.

