GENERAL NOTES

- 1. ALL REFERENCES HEREIN TO THE CONTRACTOR SHALL REFER TO THE PLUMBING CONTRACTOR UNLESS OTHERWISE NOTED.
- 2. THE ENTIRE INSTALLATION SHALL BE COORDINATED WITH THE WORK OF ALL OTHER TRADES PRIOR TO ANY FABRICATION OR INSTALLATION. THE CONTRACTOR SHALL VERIFY, IN THE FIELD, THE EXACT LOCATION OF ALL EXISTING PLUMBING SYSTEMS PRIOR TO MAKING NEW CONNECTIONS TO EXISTING LINES. THE CONTRACTOR SHALL PROVIDE ALL FITTINGS, OFFSETS, AND TRANSITIONS REQUIRED FOR A COMPLETE WORKABLE INSTALLATION.
- 3. DO NOT SCALE FROM THESE DRAWINGS.
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK WITHIN A DISTANCE OF FIVE FEET FROM THE BUILDING PERIMETER.
- 5. DO NOT MAKE ANY CHANGES OR SUBSTITUTIONS WITHOUT SPECIFIC WRITTEN APPROVAL FROM THE ARCHITECT OR ENGINEER.
- 6. THE CONTRACTOR SHALL REFER TO WRITTEN SPECIFICATION IN CONJUNCTION WITH THESE DRAWINGS FOR FULL PROJECT SCOPE.
- 7. ANY DISCREPANCIES OR INADEQUACIES WITHIN BID DOCUMENTS, BETWEEN THESE DOCUMENTS AND RELATED HVAC, FIRE PROTECTION, ELECTRICAL, STRUCTURAL, ARCHITECTURAL, INTERIOR DECOR, AND STRUCTURAL DOCUMENTS, OR BETWEEN THESE DOCUMENTS AND FIELD CONDITIONS MUST BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER PRIOR TO BID
- 8. THE CONTRACTOR SHALL PROVIDE A COMPLETE SET OF RECORD "AS BUILT" DRAWINGS INDICATING THE PRECISE LOCATION OF ALL SYSTEMS, EQUIPMENT, CONCEALED OR EMBEDDED PIPING, EXPOSED PIPING, PIPING CONNECTIONS, AND ACCESS PANELS/DOORS. THESE DRAWINGS SHALL INCLUDE ALL CHANGES AND DEVIATIONS FROM CONSTRUCTION DOCUMENTS.
- 9. THE CONTRACTOR SHALL SCHEDULE ALL WORK TO AVOID INTERFERENCE WITH FIRE PROOFING WORK
- 10. THE CONTRACTOR SHALL COORDINATE ALL UNDERGROUND PIPING LOCATIONS AND INVERTS WITH ALL
- 11. THE CONTRACTOR SHALL COORDINATE ELECTRICAL CHARACTERISTICS OF ALL PLUMBING EQUIPMENT WITH THE ELECTRICAL DRAWINGS AND ELECTRICAL CONTRACTOR. THE CONTRACTOR SHALL FURNISH PLUMBING EQUIPMENT WIRED FOR THE VOLTAGES SHOWN IN CONTRACT DOCUMENTS AND COORDINATED WITH ELECTRICAL CONTRACTOR.
- 12. ALL EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND ALL APPLICABLE CODES. THE CONTRACTOR SHALL PROVIDE ALL FITTINGS,
- TRANSITIONS, VALVES, AND OTHER DEVICES REQUIRED FOR A COMPLETE WORKABLE INSTALLATION.

 13. THE CONTRACTOR SHALL SUBMIT, PRIOR TO ANY FABRICATION OR INSTALLATION, ALL NECESSARY DRAWINGS, EQUIPMENT/MATERIAL PRODUCT DATA, DOCUMENTATION, AND CALCULATIONS REQUIRED TO COMPLETE THE WORK OUTLINED IN THE CONTRACT DOCUMENTS.
- 14. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE AUTHORITIES HAVING JURISDICTION PRIOR TO ANY FABRICATION OR INSTALLATION. ALL FEES FOR PERMITS AND INSPECTIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 15. ALL ABOVE GRADE PIPING SHALL BE PROPERLY SUPPORTED FROM THE BUILDING STRUCTURE. NO
- PIPING SHALL REST ON CEILING TILES OR CEILING STRUCTURE.

 16. ALL EXPOSED HORIZONTAL AND VERTICAL PIPING SHALL BE INSTALLED IN A NEAT ARRANGEMENT AND IN THE MOST INCONSPICUOUS LOCATION POSSIBLE. VERTICAL DROPS SHOULD BE KEPT TO A MINIMUM AND SHOULD BE LOCATED WITHIN CHASES, WALLS, AND SOFFITS WITH OTHER MECHANICAL PIPING AND ELECTRICAL CONDUITS WHEN POSSIBLE. ALL SUCH LOCATION ARE TO BE REVIEWED
- 17. WATER METER SHALL BE IN ACCORDANCE WITH UTILITY COMPANY REQUIREMENTS AND SHALL BE PROVIDED WITH REMOTE READING.
- 18. THE CONTRACTOR SHALL PROVIDE ALL CLAMPS, OFFSETS, EXPANSION JOINTS, ANCHORS, AND GUIDES AS NECESSARY TO PREVENT STRESS ON PIPING.

WITH THE ARCHITECT PRIOR TO INSTALLATION.

WATER PIPING.

PIPING SYSTEM

COLD WATER HOT WATER

HOT WATER RECIRCULATION

- 19. THE CONTRACTOR SHALL COORDINATE ALL ROOF PENETRATIONS AND ASSOCIATED FLASHING REQUIREMENTS WITH OTHER TRADES.
- 20. THE CONTRACTOR SHALL PROVIDE INSULATION ON ALL COLD WATER, HOT WATER, AND HOT WATER RECIRCULATION PIPING. THE CONTRACTOR SHALL PROVIDE INSULATION ON ALL HORIZONTAL STORM
- 21. ALL PLUMBING FIXTURES/APPLIANCES SHALL HAVE THEIR OWN SHUTOFF VALVES INSTALLED IN AN EASILY ACCESSIBLE AND CONVENIENT LOCATION.
- 22. THE CONTRACTOR SHALL PROVIDE ACCESS PANELS/DOORS FOR ALL CLEANOUTS, VALVES, AND ANY OTHER EQUIPMENT LOCATED WITHIN WALLS, PARTITIONS, OR CEILINGS THAT REQUIRE ACCESS FOR MAINTENANCE AND/OR OPERATION.
- 23. THE CONTRACTOR SHALL INSTALL TRAP SEAL PRIMERS ON ALL FLOOR UNLESS OTHERWISE NOTED.
 THE CONTRACTOR SHALL PROVIDE NECESSARY COLD WATER CONNECTION TO ALL TRAP SEAL
- 24. THE CONTRACTOR SHALL PROVIDE CLEANOUTS AT THE BASE OF ALL SANITARY, WASTE, STORM, AND VENT STACKS. CLEANOUT DECK PLATES PLATES MUST ALSO BE PROVIDED ON ALL BURIED SANITARY, WASTE, AND STORM PIPING AT INTERVALS OUTLINED IN APPLICABLE CODE.
- 25. SUDS PRESSURE ZONE REQUIREMENTS SHALL BE MEET IN THE DESIGN OF THE SANITARY, WASTE, AND VENT SYSTEMS. NO CONNECTION SHALL BE MADE TO THE VERTICAL PORTION OF A SANITARY OR WASTE STACK WITHIN FORTY STACK DIAMETERS OF THE BASE FITTING. NO CONNECTION SHALL BE MADE TO THE HORIZONTAL OFFSET PORTION OF A SANITARY OR WASTE STACK WITHIN TEN STACK DIAMETERS OF THE BASE FITTINGS.
- 26. NO DRAINAGE BRANCH SHALL BE CONNECTED TO A SANITARY OR WASTE STACK WITHIN TWO FEET ABOVE OR BELOW A HORIZONTAL OFFSET EXCEPT WHERE NO OTHER DRAINAGE BRANCH IS CONNECTED TO THE STACK AT A HIGHER STORY.
- 27. THE CONTRACTOR SHALL PROVIDE REDUCING FITTING AT ALL CHANGES IN DIAMETER OF SANITARY, WASTE, AND STORM PIPING.
- 28. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY SERVICE CONNECTIONS TO ALL EQUIPMENT AND FIXTURE INDICATED ON THE ARCHITECTURAL AND PLUMBING DRAWINGS. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY SERVICE CONNECTIONS TO HVAC AND FIRE PROTECTION EQUIPMENT.

PIPING LOCATION PIPING SIZE

BELOW GROUND

ABOVE GROUND

29. UPON COMPLETION, EXISTING SYSTEM SHALL BE IN WORKING ORDER.

DEMOLITION NOTES THE CONTRACTOR SHALL INCLUDE IN THEIR PRICE ALL COSTS ASSOCIATED WITH REMOVALS AND

RELOCATIONS OF PLUMBING WORK AS DESCRIBED ON THE DRAWINGS AND IN THE SPECIFICATIONS

- WITH ALLOWANCES FOR EXPECTED OR UNFORESEEN DIFFICULTIES WHEN CONCEALED WORK HAS BEEN OPENED. NO CLAIMS FOR ADDITIONAL WORK ASSOCIATED WITH DEMOLITION WILL BE ACCEPTED, EXCEPT IN CERTAIN CASES CONSIDERED JUSTIFIABLE BY THE ARCHITECT.
- . THE CONTRACTOR SHALL REMOVE AND/OR RELOCATE ALL EXISTING PLUMBING WORK WHICH INTERFERES WITH THE NEW ARCHITECTURAL LAYOUTS. ALL SYSTEMS WHICH ARE NO LONGER REQUIRED TO FUNCTION SHALL BE REMOVED BACK TO ACTIVE LINES.
- THE CONTRACTOR SHALL PERFORM DEMOLITION AND REMOVAL WORK WITH MINIMUM INTERFERENCE TO FUNCTIONING PLUMBING SYSTEMS. ALL AFFECTED SYSTEMS SHALL BE RECONNECTED AND RESTORED.
 DEMOLITION AND REMOVAL WORK SHALL BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER.
- THE CONTRACTOR SHALL PATCH, REPAIR OR OTHERWISE RESTORE ANY DAMAGED INTERIOR OR EXTERIOR BUILDING SURFACE TO ITS ORIGINAL CONDITION.

 5. THE CONTRACTOR SHALL REMOVE ALL PIPING SUPPORTS, ETC. FROM PARTITIONS THAT ARE TO BE

REMOVED. WHERE THE REMOVAL OF THESE ITEMS DISRUPTS EXISTING PIPING THAT IS TO REMAIN,

- THE CONTRACTOR SHALL INSTALL AND PROVIDE BYPASS CONNECTIONS AS NECESSARY.

 6. PORTIONS OF MAINS TO BE REMOVED OR ABANDONED AS A RESULT OF DEMOLITION WORK, BUT WHICH ARE REQUIRED TO REMAIN ACTIVE, SHALL BE CUT AT CONVENIENT LOCATIONS, REROUTED
- AND RECONNECTED.

 7. THE CONTRACTOR SHALL NOTIFY THE BUILDING OWNER AT THE APPROPRIATE TIME OF THE PROJECTED DEMOLITION AND PHASING SCHEDULE SO THAT REMOVAL OR RELOCATION OF AFFECTED
- 8. ALL EXISTING MATERIAL AND EQUIPMENT IN USABLE CONDITION, WHICH IS TO BE REMOVED UNDER THIS CONTRACT, SHALL REMAIN THE PROPERTY OF THE OWNER OR SHALL BE DISPOSED OF BY THE PLUMBING CONTRACTOR, AS DIRECTED BY THE OWNER.

UTILITIES MAY BE CARRIED OUT IN COORDINATION WITH THE PROJECT REQUIREMENTS.

9. THE SHUTDOWN OF EXISTING BUILDING PLUMBING SERVICES SHALL BE COORDINATED WITH THE BUILDING OWNER. MAKE ARRANGEMENTS AT LEAST 5 BUSINESS DAYS PRIOR TO A SHUTDOWN.

OPENING / SLEEVE SCHEDULE

INSULATED DOMESTIC COLD WATER, HOT WATER, AND HOT WATER RECIRCULATION PIPING		
PIPE DIAMETER	WALL / FLOOR SLEEVE DIAMETER	BEAM OPENING DIAMETER
i" & s"	3"	4"
1"	4"	4i"
1r"	4"	5"
1i"	4"	5"
2" & 2i"	5"	6"
3"	6"	6i"
4"	8"	7;"
5"	8"	8i"
6"	10"	9;"
UNINSULATED SANITARY, WASTE, VENT, STORM, AND GAS PIPING		
PIPE DIAMETER	WALL / FLOOR SLEEVE DIAMETER	BEAM OPENING DIAMETER
1i"	3"	3"

PIPE DIAMETER	WALL / FLOOR SLEEVE DIAMETER	BEAM OPENING DIAMETER
1i"	3"	3"
2"	4"	3i"
2i"	4"	4"
3"	5"	4i"
4"	6"	5i"
5"	8"	6i"
6"	8"	7i"
8"	10"	9;"
10"	12"	11i"
12"	15"	13i"
15"	18"	16i"

PIPE, FITTING, AND JOINT MATERIAL SCHEDULE

(NOT ALL PIPE, FITTING, AND JOINT MATERIALS SHOWN ARE NECESSARILY USED ON THIS PROJECT)

FITTING SPECIFICATION

JOINT ENDS

CEMENT LINED DUCTILE IRON WITH MECHANICAL

WROUGHT COPPER WITH SOLDER ENDS

JOINT SPECIFICATION

BOLT-ON MECHANICAL JOINT WITH HIGH QUALITY

95.5 TIN / 4.0 COPPER / 0.5 SILVER SOLDER

NEOPRENE RUBBER COMPRESSION GASKET

PIPING SPECIFICATION

CEMENT LINED DUCTILE IRON

TYPE L HARD DRAWN COPPER TUBING

SYMBOL LIST		
	SANITARY/SOIL PIPING WASTE PIPING	
· · · · · · · · · · · · · · · · · · ·		
	INDIRECT WASTE PIPING	
	VENT PIPING	
	DOMESTIC COLD WATER PIPING	
	DOMESTIC HOT WATER PIPING	
	ARROW REPRESENTS DIRECTION OF FLOW	
— X— X— X— X— X—	PIPING TO BE DEMOLISHED	
 5	PIPE BREAK	
 3	CAPPED OUTLET	
	CLEANOUT / PLUGGED OUTLET	
	CLEANOUT DECK PLATE	
	P-TRAP	
	PIPE DROP / DOWN	
 0	PIPE RISE / UP	
	PIPE BOTTOM CONNECTION	
	PIPE TOP CONNECTION	
	PIPE SIDE CONNECTION	
Ψ	VACUUM BREAKER	
?	SHOCK ARRESTOR	
Ø	DRAIN	
Q	TEMPERATURE GAUGE	
N	CHECK VALVE	
•	BALL VALVE	
₩	MIXING VALVE	
Ñ	SOLENOID VALVE	
•	POINT OF DISCONNECTION FROM EXISTING PIPING	
•	POINT OF CONNECTION TO EXISTING PIPING	

AFF	ABOVE FINISHED FLOOR
BLDG	BUILDING
ВОР	BOTTOM OF PIPE
СО	CLEANOUT
СМ	COFFEE MAKER
CLG	CEILING
CONN	CONNECT / CONNECTION
CONT	CONTINUE / CONTINUATION
CV	CHECK VALVE
CW	DOMESTIC COLD WATER
DIA	DIAMETER
DN	DOWN (PENETRATES FLOOR SLAB)
DR	DRAIN
DW	DISHWASHER
DWG	DRAWING
EX	EXISTING
FAI	FRESH AIR INLET
FD	FLOOR DRAIN
НС	HANDICAPPED ACCESSIBLE FIXTURE
HW	DOMESTIC HOT WATER
IW	INDIRECT WASTE
NTS	NOT TO SCALE
NFWH	NON-FREEZE WALL HYDRANT
PD	PUMP DISCHARGE
SAN	SANITARY/SOIL
SK	SINK
TYP	TYPICAL
UP	UP (PENETRATES FLOOR SLAB)
٧	VENT
VB	VACUUM BREAKER

ST	PLUMBING DRAWING LIS	
	Sheet	Sheet Title
	AH P001	PLUMBING COVER SHEET
	AH P100	PLUMBING PLAN - GROUND FLOOR
	AH P701	PLUMBING DETAILS
		•

NEW YORK STATE CODES & STANDARDS

- 2020 BUILDING CODE OF NEW YORK STATE
- 2020 FIRE CODE OF NEW YORK STATE
 2020 PLUMBING CODE OF NEW YORK STATE
- 2020 MECHANICAL CODE OF NEW YORK STATE
 2020 FUEL GAS CODE OF NEW YORK STATE
- 2020 NYS UNIFORM CODE SUPPLEMENT
 NYS EDUCATION DEPARTMENT 2022 MANUAL OF PLANNING STANDARDS

NEW YORK STATE ENERGY CODES

2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE
 2016 ASHRAE 90.1

REFERENCED STANDARDS

APPLICABLE REFERENCE STANDARDS SHALL BE AS REFERENCED BY ALL STATE CODES. THE LIST BELOW IS FOR QUICK REFERENCE AND DOES NOT INCLUDE ALL APPLICABLE REFERENCE STANDARDS.

- 2016 NPFA 13 STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS
- 2016 NFPA 14 STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE SYSTEMS
 2016 NFPA 20 STANDARD FOR THE INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION
- 2017 NFPA 70 NATIONAL ELECTRICAL CODE
 2016 NFPA 72 NATIONAL FIRE ALARM AND SIGNALING CODE

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BID SET	12/18/2
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EASTCHESTER

SCHOOL DISTRICT

2022 CAPITAL PROJECT

ANNE HUTCHINSON

ELEMENTARY SCHOOL

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REILLY TARANTINO ENGINEERING

HAZARDOUS MATERIALS CONSULTANT

MECHANICAL/ELECTRICAL/PLUMBING CONSULTANT

UNION FREE

PHASE 3

WHITE PLAINS, NY 10601

STRUCTURAL CONSULTANT

100 PARK BLVD, SUITE 209

30 OAK STREET, SUITE 400

250 W 34TH ST., 4TH FLOOR

STAMFORD, CT 06905

ONE PENN PLAZA

NEW YORK, NY 10014

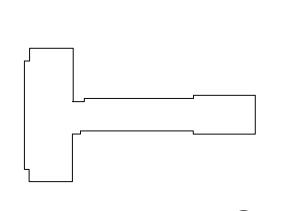
MASSAPEQUA PARK, NY 11762

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914.915.9519

STANTEC

WSP

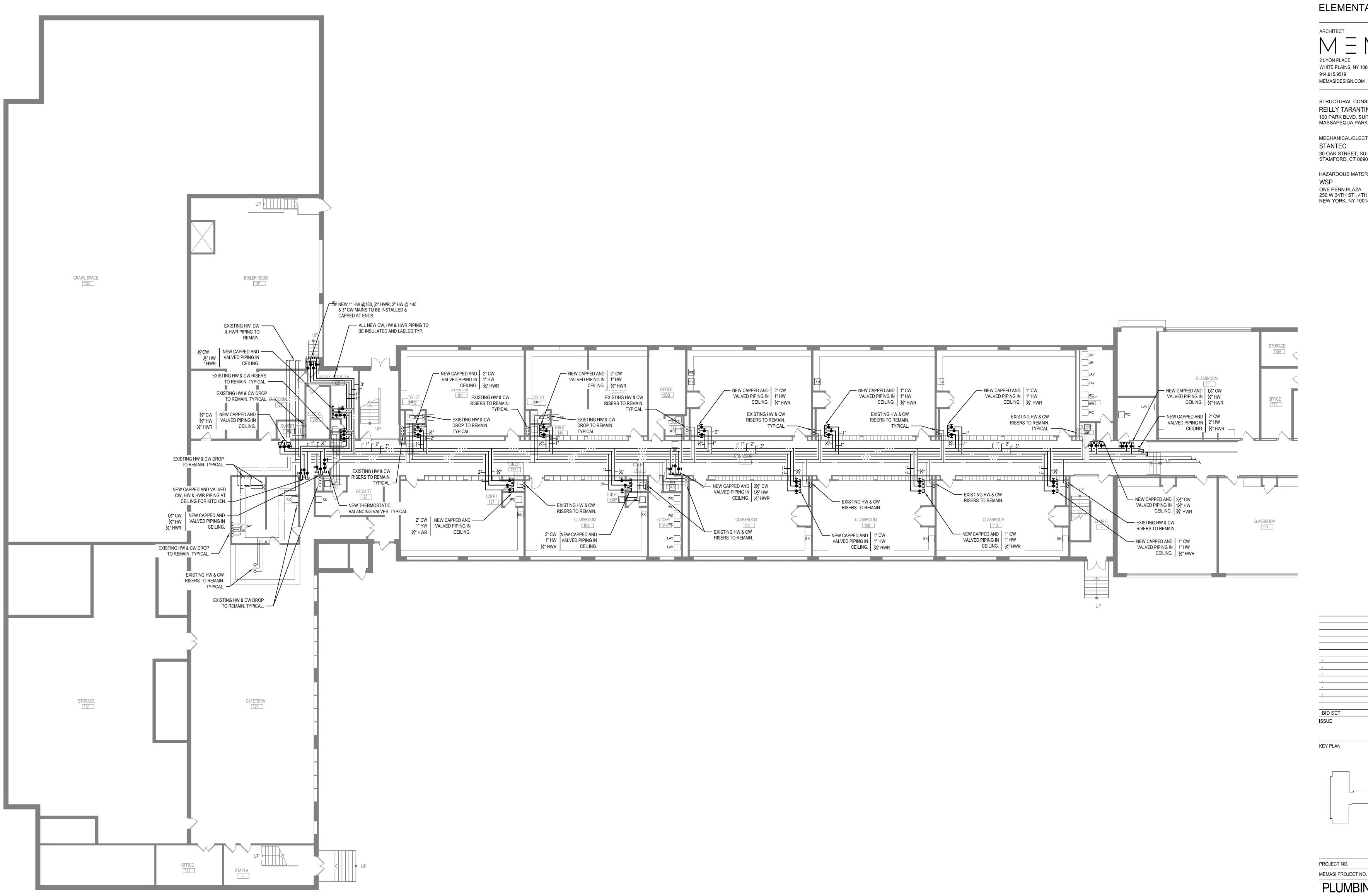


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PROJECT NO.	66-03-01-03-0-001-0
MEMASI PROJECT NO	102-23

PLUMBING COVER SHEET

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AH P001



PLUMBING PLAN - GROUND FLOOR

EASTCHESTER **UNION FREE** SCHOOL DISTRICT

2022 CAPITAL PROJECT PHASE 3

ANNE HUTCHINSON **ELEMENTARY SCHOOL**

WHITE PLAINS, NY 10601

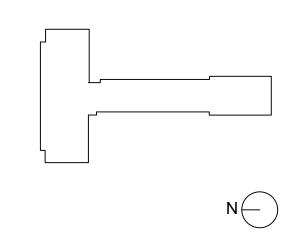
STRUCTURAL CONSULTANT REILLY TARANTINO ENGINEERING 100 PARK BLVD, SUITE 209 MASSAPEQUA PARK, NY 11762

MECHANICAL/ELECTRICAL/PLUMBING CONSULTANT

30 OAK STREET, SUITE 400 STAMFORD, CT 06905 HAZARDOUS MATERIALS CONSULTANT WSP

ONE PENN PLAZA 250 W 34TH ST., 4TH FLOOR NEW YORK, NY 10014

12/18/2023 DATE KEY PLAN

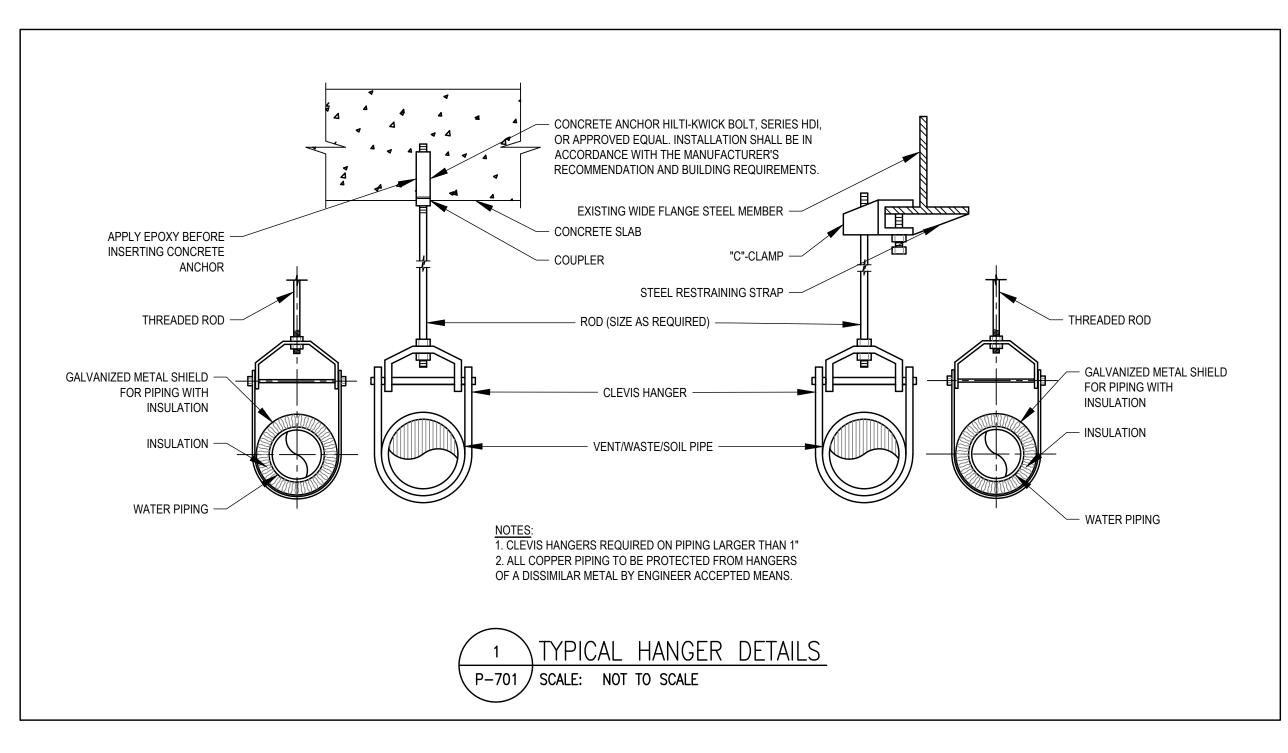


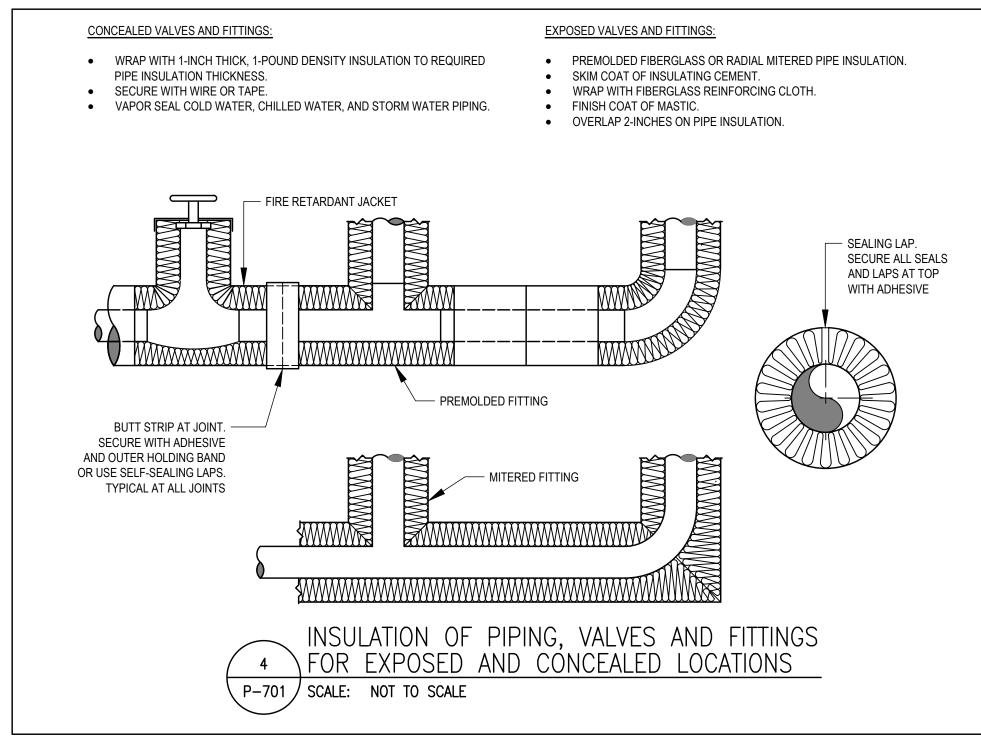
66-03-01-03-0-001-023 MEMASI PROJECT NO.

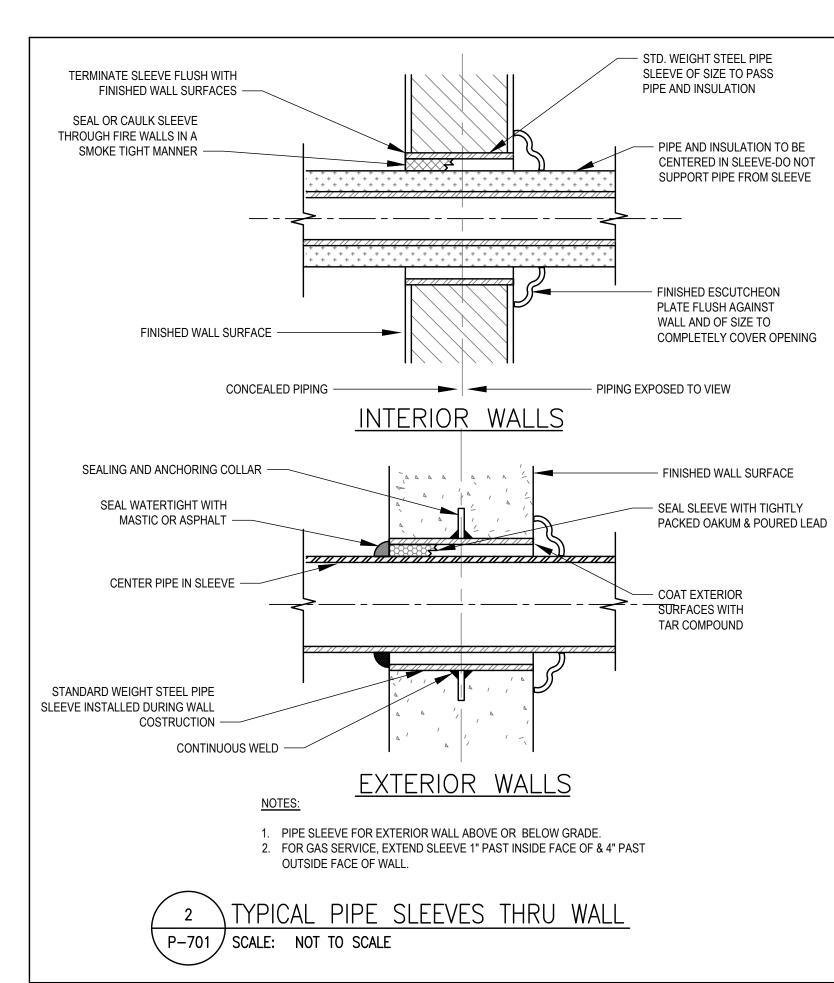
PLUMBING PLAN -GROUND FLOOR

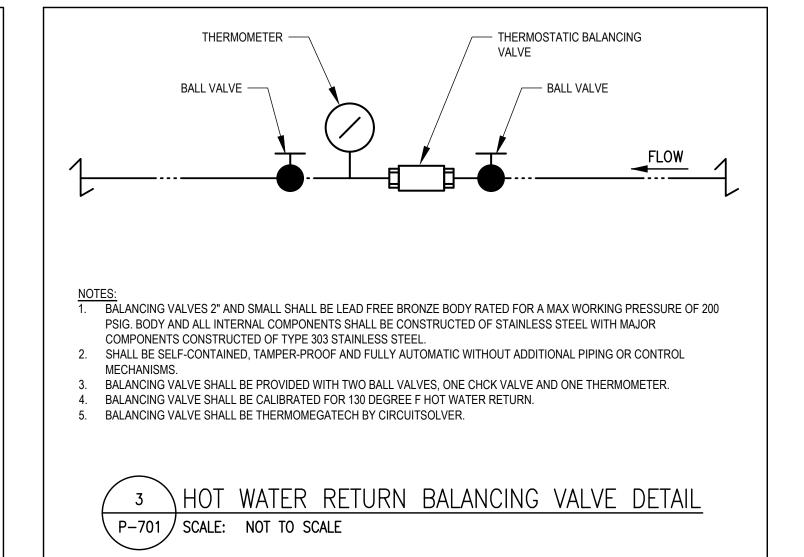
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EASTCHESTER UNION FREE SCHOOL DISTRICT

2022 CAPITAL PROJECT PHASE 3

ANNE HUTCHINSON ELEMENTARY SCHOOL

ARCHITECT

ARCHITECT

2 LYON PLACE
WHITE PLAINS, NY 10601

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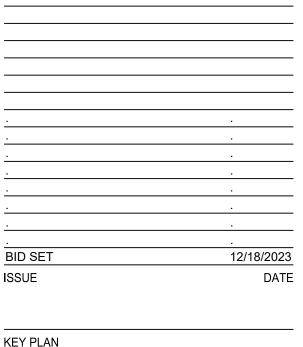
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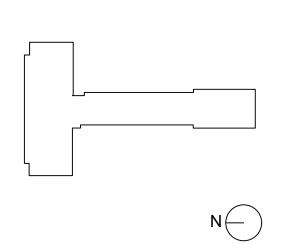
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ONE PENN PLAZA

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PROJECT NO. 66-03-01-03-0-001-023

MEMASI PROJECT NO. 102-2301

PLUMBING DETAILS

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