WALL HYDRANT

SYMBOL LIST								
(NOT ALL SYMBOLS SHOWN ARE NECESSARILY USED ON THIS PROJECT)								
s	SANITARY/SOIL PIPING							
W	WASTE PIPING							
IW	INDIRECT WASTE PIPING							
ED	EJECTOR PUMP DISCHARGE PIPING							
SD	SUMP PUMP DISCHARGE PIPING							
ST	STORM WATER PIPING							
31	VENT PIPING							
	DOMESTIC COLD WATER PIPING							
	DOMESTIC HOT WATER PIPING							
	DOMESTIC HOT WATER RECIRCULATION PIPING							
	NATURAL GAS PIPING							
5	ARROW REPRESENTS DIRECTION OF FLOW							
	PIPING WITH FREEZE PROTECTION CABLE UNDER INSULATION							
	BURIED SANITARY/SOIL, WASTE, VENT, OR STORM PIPING							
— X— X— X— X— X— —	PIPING TO BE DEMOLISHED							
	PIPE BREAK							
	CAPPED OUTLET							
	CLEANOUT / PLUGGED OUTLET							
	FRESH AIR INLET							
<b></b> ⊚	CLEANOUT DECK PLATE							
<del></del>	P-TRAP							
<del></del>	HOSE BIBB							
<u></u>	PIPE DROP / DOWN							
	PIPE RISE / UP							
<del></del>	PIPE BOTTOM CONNECTION							
<u> </u>	PIPE TOP CONNECTION							
<u> </u>	PIPE SIDE CONNECTION							
Ψ	VACUUM BREAKER							
٠ <del>٢</del>	SHOCK ARRESTOR							
	DRAIN							
<b>©</b>	HOUSE TRAP							
	PUMP							
JL	VENT THROUGH ROOF							
<u> </u>	WATER METER							
<b>+</b>	WATERPROOF SLEEVE							
ų.	UNION							
φ	PRESSURE GAUGE							
<b>Q</b>	TEMPERATURE GAUGE							
Ī	TAMPER SWITCH							
F	FLOW SWITCH							
P	PRESSURE SWITCH							
M	CHECK VALVE							
•	BALL VALVE							
•	GATE VALVE							
¥	PLUG VALVE							
₩	MIXING VALVE							
為	OUTSIDE SCREW & YOKE VALVE							
A A	PRESSURE REDUCING VALVE							
· · · · · · · · · · · · · · · · · · ·	SOLENOID VALVE							
<u> </u>	GAS PRESSURE REGULATOR							
=	WALL HYDRANT							
<u> </u>	POINT OF DISCONNECTION FROM EXISTING PIPING							
<b>9</b>	POINT OF CONNECTION TO EXISTING PIPING  PLUMPING PISER DESIGNATION							
	PLUMBING RISER DESIGNATION RISER NUMBER							
	RISER NUMBER							
L W	STORM RISER DESIGNATION RISER NUMBER							

#### GENERAL NOTES

#### (NOT ALL NOTES SHOWN ARE NECESSARILY APPLICABLE TO THIS PROJECT)

- 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. THE CONTRACTOR SHALL PERFORM A HYDRANT FLOW TEST TO VERIFY THE AVAILABLE WATER
- 8. ANY DISCREPANCIES OR INADEQUACIES WITHIN BID DOCUMENTS, BETWEEN THESE BID DOCUMENTS AND RELATED HVAC, FIRE PROTECTION, ELECTRICAL, STRUCTURAL, ARCHITECTURAL, INTERIOR DECOR AND STRUCTURAL BID DOCUMENTS, OR BETWEEN THESE BID DOCUMENTS AND FIELD CONDITIONS MUST BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER PRIOR TO BID

SUPPLY PRESSURE PRIOR TO ANY PURCHASING OF EQUIPMENT, FABRICATION OR INSTALLATION.

- 9. 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.
- 10. THE CONTRACTOR SHALL SCHEDULE ALL WORK TO AVOID INTERFERENCE WITH FIRE PROOFING
- 11. PLATFORMS, CURBS, SUMP/EJECTOR PITS, HOUSE TRAP PITS, AND GREASE INTERCEPTOR PITS FOR PLUMBING EQUIPMENT SHALL BE AS INDICATED ON THE STRUCTURAL AND ARCHITECTURAL DRAWINGS UNLESS NOTED OTHERWISE. THE CONTRACTOR SHALL COORDINATE EXACT SIZES AND LOCATIONS OF REQUIRED OPENINGS AND SUPPORTS FOR FURNISHED EQUIPMENT.
- 12. THE CONTRACTOR SHALL COORDINATE ALL UNDERGROUND PIPING LOCATIONS AND INVERTS WITH ALL UTILITIES.
- 13. 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.
- 14. 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.
- 15. 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.
- 16. 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.
- 17. ALL ABOVE GRADE PIPING SHALL BE PROPERLY SUPPORTED FROM THE BUILDING STRUCTURE. NO PIPING SHALL REST ON CEILING TILES OR CEILING STRUCTURE.
- 18. 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
- 19. WATER METER SHALL BE IN ACCORDANCE WITH UTILITY COMPANY REQUIREMENTS AND SHALL BE PROVIDED WITH REMOTE READING.
- 20. 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.

- 21. THE CONTRACTOR SHALL COORDINATE ALL ROOF PENETRATIONS AND ASSOCIATED FLASHING REQUIREMENTS WITH OTHER TRADES.
- 22. 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
- 23. ALL PLUMBING FIXTURES/APPLIANCES SHALL HAVE THEIR OWN SHUTOFF VALVES INSTALLED IN AN EASILY ACCESSIBLE AND CONVENIENT LOCATION.
- 24. 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.
- 25. 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
- 26. 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.
- 27. 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.
- 28. 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.
- 29. THE CONTRACTOR SHALL PROVIDE REDUCING FITTING AT ALL CHANGES IN DIAMETER OF SANITARY, WASTE, AND STORM PIPING.
- 30. 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.
- 31. GAS METER ASSEMBLIES INCLUDING VALVES, PIPING, VENTS, AND ALL APPURTENANCES SHALL BE IN ACCORDANCE WITH UTILITY COMPANY REQUIREMENTS.
- 32. THE CONTRACTOR SHALL PROVIDE NOT LESS THAN A TWO ELBOW SWING ON ALL BRANCH PIPE CONNECTIONS TO A GAS RISER. BRANCH PIPE CONNECTIONS TO A HORIZONTAL GAS LINE SHALL BE MADE FROM THE TOP OR SIDES AND NOT FROM THE BOTTOM.
- 33. ALL GAS RISER SHUTOFF VALVES SHALL BE LOCKSHEILD TYPE WITH 1/8" TEST CONNECTION DOWNSTREAM OF VALVE.
- 34. ALL GAS SHUTOFF VALVES ARE TO BE LOCATED IN NONCONCEALED SPACES.
- 35. THE CONTRACTOR SHALL MAKE THE FINAL CONNECTION TO ALL GAS FIRED EQUIPMENT/APPLIANCES, REGARDLESS OF WHO PROVIDED THE EQUIPMENT/APPLIANCE. THIS SHALL INCLUDE BUT NOT BE LIMITED TO HVAC EQUIPMENT, COOKING EQUIPMENT/APPLIANCES, EMERGENCY GENERATORS, AND DOMESTIC HOT WATER HEATERS. EACH PIECE OF EQUIPMENT/APPLIANCE SHALL BE PROVIDED WITH A DIRT LEG, LUBRICATED PLUG VALVE, UNION, AND PRESSURE REGULATOR (WHERE REQUIRED).

# **DEMOLITION NOTES**

(NOT ALL NOTES SHOWN ARE NECESSARILY APPLICABLE TO THIS PROJECT)

- 1. 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.
- 2. 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.
- 3. THE CONTRACTOR SHALL PERFORM DEMOLITION AND REMOVAL WORK WITH MINIMUM INTERFERENCE TO FUNCTIONING PLUMBING SYSTEMS. ALL AFFECTED SYSTEMS SHALL BE RECONNECTED AND RESTORED.
- 4. 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. ALL PIPING WHICH BECOMES EXPOSED DURING THE ALTERATION WORK SHALL BE REMOVED AND

REROUTED CONCEALED BEHIND FINISHED SURFACES.

NECESSARY CONNECTIONS TO THE EXISTING SYSTEMS.

- 7. 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.
- 8. THE CONTRACTOR SHALL NOTIFY THE OWNER AT THE APPROPRIATE TIME OF THE PROJECTED DEMOLITION AND PHASING SCHEDULE SO THAT REMOVAL OR RELOCATION OF AFFECTED UTILITIES
- MAY BE CARRIED OUT IN COORDINATION WITH THE PROJECT REQUIREMENTS.

  9. 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.

  10. ARRANGE TO WORK CONTINUOUSLY, INCLUDING OVER TIME, IF REQUIRED, TO ASSURE THAT SYSTEMS WILL BE SHUT DOWN ONLY DURING THE TIME ACTUALLY REQUIRED TO MAKE THE
- 11. THE SHUTDOWN OF EXISTING BUILDING PLUMBING SERVICES SHALL BE COORDINATED WITH THE

OWNER. MAKE ARRANGEMENTS AT LEAST 5 BUSINESS DAYS PRIOR TO A SHUTDOWN.

PLUMBING DRAWING LIST							
Sheet Number	Sheet Title						
P-001	PLUMBING COVER PAGE						
P-002	PLUMBING SCHEDULES						
PD-101	PLUMBING GROUND & FIRST FLOOR DEMOLITION PLANS						
P-101	PLUMBING GROUND & FIRST FLOOR PLANS						
P-401	PLUMBING DETAILS						
P-402	PLUMBING DETAILS & SPECIFICATIONS						

# NEW YORK STATE CODES & STANDARDS

- 2015 INTERNATIONAL BUILDING CODE
- 2015 INTERNATIONAL FIRE CODE
- 2015 INTERNATIONAL PLUMBING CODE2015 INTERNATIONAL MECHANICAL CODE
- 2015 INTERNATIONAL FUEL GAS CODE
   2017 NYS UNIFORM CODE SUPPLEMENT
- LOCAL FIRE DEPARTMENT/FIRE MARSHAL
  ALL OTHER LOCAL AUTHORITIES HAVING JURISDICTION

# NEW YORK STATE ENERGY CODES

- 2015 INTERNATIONAL ENERGY CONSERVATION CODE
  2013 ASHRAE 90.1
- 2016 SUPPLEMENT TO THE NEW YORK STATE ENERGY CONSERVATION CODE (REVISED AUGUST 2016)

# LOCAL CODES

NEW ROCHELLE MUNICIPAL CODE

# REFERENCED STANDARDS

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

- 2013 NPFA 13 STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS
- 2013 NFPA 14 STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE SYSTEMS
   2013 NFPA 20 STANDARD FOR THE INSTALLATION OF STATIONARY PLIMPS FOR FIRE PROTECTION.
- 2013 NFPA 20 STANDARD FOR THE INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION
   2014 NFPA 70 NATIONAL ELECTRICAL CODE
- 2014 NFPA 70 NATIONAL ELECTRICAL CODE
   2013 NFPA 72 NATIONAL FIRE ALARM AND SIGNALING CODE



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Consultant

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Client/Project Logo



Client/Project
NEW ROCHELLE

1923 BUILDING RENOVATION FLOWER PARK

491 5TH AVE, NEW ROCHELLE, NY 10801

PLUMBING COVER PAGE

Project No. 191506465

Revision

Scale
NONE
Drawing No.

P-001

ORIGINAL SHEET - ARCH [

#### NOTES:

- 1. ALL FLOOR DRAINS IN FINISHED AREAS AND ALL ROOF DRAINS SHALL BE LOCATED AS PER THE ARCHITECTURAL DRAWINGS.
- 2. ALL FLOOR DRAINS IN MECHANICAL EQUIPMENT ROOMS, BOILER ROOMS, FAN ROOMS ETC., SHALL BE LOCATED IN COORDINATION WITH THE MECHANICAL CONTRACTOR.
- 3. THE CONTRACTOR SHALL VERIFY THE COMPATIBILITY OF THE DRAINS WITH THE APPROVED ROOFING AND/OR WATER PROOFING SYSTEMS PRIOR TO SUBMITTING SHOP DRAWINGS.
- 4. THE TOP OF ALL FLOOR DRAINS SHALL BE FLUSH WITH THE ADJACENT FINISHED FLOOR.
- 5. PROVIDE TRAP PRIMER MOD# M-500 AS MANUFACTURED BY MIFAB ON ALL FLOOR DRAINS UNLESS OTHERWISE NOTED. PROVIDE DISTRIBUTION UNIT MI-DU WHEN APPLICABLE. PROVIDE 1/2" CW CONNECTION TO ALL TRAP PRIMERS.

	PIPE, FITTING, AND JOINT MATERIAL SCHEDULE											
	(NOT ALL PIPE, FITTING, AND JOINT MATERIALS SHOWN ARE NECESSARILY USED ON THIS PROJECT)											
PIPING SYSTEM	PIPING LOCATION	PIPING SIZE	PIPING SPECIFICATION	FITTING SPECIFICATION	JOINT SPECIFICATION							
SANITARY / WASTE	BELOW GROUND	ALL	SERVICE WEIGHT HUB & SPIGOT CAST IRON	SERVICE WEIGHT HUB & SPIGOT CAST IRON	HIGH QUALITY NEOPRENE RUBBER COMPRESSION GASKET							
SANTANT / WASTE	ABOVE GROUND	ALL	HUBLESS SERVICE WEIGHT CAST IRON	HUBLESS SERVICE WEIGHT CAST IRON	NEOPRENE RUBBER SEALING SLEEVE AND HEAVY DUTY STAINLESS STEEL CORRUGATED SHIELDS WITH A MINIMUM OF FOUR HEAVY DUTY BANDS							
VENT	BELOW GROUND	ALL	SERVICE WEIGHT HUB & SPIGOT CAST IRON	SERVICE WEIGHT HUB & SPIGOT CAST IRON	HIGH QUALITY NEOPRENE RUBBER COMPRESSION GASKET							
VENT	ABOVE GROUND ALL		HUBLESS SERVICE WEIGHT CAST IRON	HUBLESS SERVICE WEIGHT CAST IRON	NEOPRENE RUBBER SEALING SLEEVE AND HEAVY DUTY STAINLESS STEEL CORRUGATED SHIELDS WITH A MINIMUM OF FOUR HEAVY DUTY BANDS							
- INDIRECT WASTE	ABOVE GROUND	ALL	TYPE DWV COPPER TUBING	WROUGHT COPPER WITH SOLDER ENDS	95.5 TIN / 4.0 COPPER / 0.5 SILVER SOLDER							
INDIRECT WASTE		ALL	CHLORINATED POLYVINYL CHLORIDE (CPVC)	CHLORINATED POLYVINYL CHLORIDE (CPVC) WITH SOLVENT CEMENT WELD ENDS	SOLVENT CEMENT WELDED							
COLD WATER HOT WATER	BELOW GROUND	ALL	CEMENT LINED DUCTILE IRON	CEMENT LINED DUCTILE IRON WITH MECHANICAL JOINT ENDS	BOLT-ON MECHANICAL JOINT WITH HIGH QUALITY NEOPRENE RUBBER COMPRESSION GASKET							
HOT WATER RECIRCULATION	ABOVE GROUND MAIN BUILDING DISTRIBUTION	ALL	TYPE L HARD DRAWN COPPER TUBING	WROUGHT COPPER WITH SOLDER ENDS	95.5 TIN / 4.0 COPPER / 0.5 SILVER SOLDER							
GAS	ABOVE GROUND	4" & SMALLER	SCHEDULE 40 BLACK STEEL	MALLEABLE IRON WITH THREADED ENDS	THREADED							
UNO UNIO	INSIDE BUILDING	5" & LARGER	SCHEDULE 40 BLACK STEEL	SCHEDULE 40 BLACK STEEL WITH BUTT JOINT ENDS	WELDED							

	PUMP SCHEDULE														
SERVICE	DESIGNATION	SIMPLEX SYSTEM	DUPLEX SYSTEM		EMERGENCY POWER	CAPACITY (EA	ACH PUMP) HEAD	HP	ELECTRICAL RPM	DATA (EAC	CH PUMP)	) HZ	PUMP SYSTEN MANUFACTURER	SPECIFICATION  MODEL NUMBER	REMARKS
HOT WATER RECIRCULATION PUMP	HWP-1	•				2 GPM	2.5 FT	_	_	115	1	60	BELL & GOSSETT	ECOCIRC 19-16	

FIXTURE CONNECTION SCHEDULE										
(NOT ALL FIXTURES SHOWN ARE NECESSARILY USED ON THIS PROJECT)										
FIXTURE	S	W	IW	V	CW	HW				
WATER CLOSET (FLUSH VALVE)	4"			2"	11/2"					
WATER CLOSET (FLUSH TANK)	4"			2"	1/2"					
LAVATORY		11/2"		11/2"	1/2"	1/2"				
TUB / SHOWER		11/2"		11/2"	1/2"	1/2"				
SHOWER		2"		11/2"	1/2"	1/2"				
SINK		2"		11/2"	1/2"	1/2"				
LAUNDRY BOX		2"		11/2"	1/2"	1/2"				
ICE MACHINE					1/2"					
DRINKING FOUNTAIN		11/2"		11/2"	1/2"					
JANITOR'S SINK		3"		2"	3/4"	3/4"				

	FIXTURE SCHEDULE										
		FIXTURE SPECIFICATION			S	ERVICE CO	ONNECTIO	NS			
DESIGNATION	COMPONENT	MANUFACTURER	MODEL NUMBER	S	W	٧	CW	HW	ADDITIONAL COMMENTS		
	WATER CLOSET	ACORNS	1695-T-3-1.28-FVBO-ADA			2"					
WC-1	FLUSH VALVE	SLOAN	8113-1.28	A 29			1½"		<ul> <li>ADA COMPLIANT, FLOOR MOUNTED, ELONGATED BOWL,</li> <li>HIGH EFFICIENCY FLUSH VALVE TOILET.</li> </ul>		
(ADA)	SEAT	KOHLER	K-4731-GC-0	4"					<ul> <li>PROVIDE 1.28 GPF DC FLUSH VALVE.</li> <li>PROVIDE OPEN FRONT SOFT CLOSE SEAT LESS COVER.</li> </ul>		
	CARRIER	JAY R. SMITH	400 SERIES								
	WATER CLOSET	ACORNS	1695-T-3-1.28-FVB0				1½"				
wc	FLUSH VALVE	SLOAN	8113–1.6	<b>4"</b>		2"			<ul> <li>FLOOR MOUNTED, ELONGATED BOWL, HIGH EFFICIENCY FLUSH VALVE TOILET.</li> </ul>		
WC	SEAT	KOHLER	K-4731-GC-0						PROVIDE 1.28 GPF DC FLUSH VALVE.      PROVIDE OPEN FRONT SOFT CLOSE SEAT LESS COVER.		
	CARRIER	JAY R. SMITH	400 SERIES								
	LAVATORY	ACORNS	1950-1-9-H24						ADA COMPLIANT WALL LILING PECTANCLILAR LAVATORY		
	FAUCET	CHICAGO	895-317-E2805-5ABCP		1½"	1½"			- ADA COMPLIANT, WALL HUNG. RECTANGULAR LAVATORY & BASIN PROVIDE CHROME PLATED BRASS LAVATORY GRID DRAIN		
LAV (ADA)	DRAIN	MCGUIRE MANUFACTURING	PW155WC				1/2"	1/2"	ASSEMBLY FOR ALL TOILET ROOM LOCATION.  - GOOSENECK FAUCET W/ 4" WRIST BLADE HANDLES.		
	P-TRAP	MCGUIRE MANUFACTURING	PW2125						<ul> <li>0.50 GPM NON AERATÉD FLOW RESTRICTOR</li> <li>4" FAUCET HOLD CTRS</li> </ul>		
	SUPPLY	MCGUIRE MANUFACTURING	H170-LK								
	SHOWER STALL	AQUARIUS	G-3698-BF		3"	1½"			<ul> <li>ADA COMPLIANT, ONE PIECE, SHOWER MODULE, OPEN TOP, 3'x3'</li> <li>CURTAIN ROD, GRID STRAINER DRAIN, GRAB BARS &amp; REMOVABLE FOLD UP SEAT</li> <li>PROVIDE PRESSURE BALANCE MIXING VALVE W/ LEVEL HANDLE,</li> </ul>		
SH	SHOWER HEAD	SYMMONS	ALLURA 4701-VP				1/2"	1/2"			
(ADA)	DRAIN	MCGUIRE MANUFACTURING	PW155WC					72	INTERGRAL SERVICE STOPS & ADJUSTABLE STOP SCREW TO LIMIT HANDLE TURN.  - PROVIDE COLLAPSEABLE NEOPRINE WATER DAMN W/ END CAPS & SELF ADHISEVIVE BACK: AQARIOUS MODEL NO: 1THR132.		
	P-TRAP	MCGUIRE MANUFACTURING	PW8902								
	SINK	ELKAY	CR3122						- ADA COMPLIANT, STAINLESS STEEL DROP-IN SINK.     - PROVIDE FAUCET DRAIN ASSEMBLY TAILPIECE, SUPPLIES,		
SK	FAUCET	CHICAGO	895-317-E2805-5ABCP		1½"	1½"	1/2"	1/2"	STOPS ESCUTCHEN COVER. PROVIDE BASKET STRAINER, DRAIN BOWL ASSEMBLY. FOR USE WITH ELKAY MOD LKAD35.		
(ADA)	DRAIN	MCGUIRE MANUFACTURING	PW155WC		1 1/2		<i>y</i> 2	72	- GOOSENECK FAUCET W/ 4" WRIST BLADE HANDLES 0.50 GPM NON AERATED FLOW RESTRICTOR		
	P-TRAP	MCGUIRE MANUFACTURING	PW2125						- 4" FAUCET HOLE CTRS		
	MOP BASIN	ADVANCE TABCO	9-OP-20								
JS	FAUCET	CHICAGO	897-RCF		3"	2"	1/2"	1/2"	- STAINLESS STEEL MOP SINK W/ FACTORY INSTALLED STAINLESS STEEL DRAIN.		
	P-TRAP	MCGUIRE MANUFACTURING	PW8912								
	WATER COOLER	ELKAY	EDFP214C						- ADA COMPLIANT, STAINLESS STEEL UNDERMOUNT SINK.		
EWC	P-TRAP	MCGUIRE MANUFACTURING	PW8912			4429	4439	1/2"	- PROVIDE FAUCET DRAIN ASSEMBLY TAILPIECE, SUPPLUIES, STOPS ESCUTCHEN COVER. PROVIDE BASKET STRAINER,		
	SUPPLY	MCGUIRE MANUFACTURING	H170-LK		11/2"	11/2"	1/2"	<i>y</i> 2	DRAIN BOWL ASSEMBLY. FOR USE WITH ELAKAY MOD LKAD35.		

#### NOTES.

- 1. REFER TO ARCHITECTUAL DRAWINGS FOR STANDARD AND ADA FIXTURE LOCATIONS, MOUNTING HEIGHTS, ELEVATIONS AND DETAILS.
- 2. INSTALL PRE-FORMED INSULATION COVER FOR ALL EXPOSED SUPPLY AND DRAINAGE PIPING SERVING ADA COMPLIANT LAVATORIES AND SINKS MANUFACTURED BY TRUEBRO, PLUMBEREX, HANDYSHIELD.
- 3. PLUMBING FIXTURE SHALL HAVE CHROME PLATED BRASS SUPPLIES, STOPS, ESCUTCHEON COVERS, P-TRAP, GRID DRAIN, POP-UP DRAINS W/ PUSH ROD, OFFSET DRAIN, CONTINUOUS DRAINS CONNECTION, SHOWER/TUB DRAIN & TAILPIECE ASSEBLIES SHALL BE CHROME PLATED BRASS, (IN LOCATIONS WHERE PIPING IS TO BE COVERED W/ INSULATION, BRASS FINISHES ONLY SHOULD ONLY BE SUBSTITUTED.)
- 4. GRID STRAINER/BASKET STRAINER & TAILPIECE SHALL BE STAINLESS STEEL WHERE SERVING STAINLESS STEEL FIXTURES
- 5. LAVATORY FAUCETS SHALL 0.5 GPM AERATORS.
- 6. SERVICE SINK FAUCETS SHALL HAVE VACUUM BREAKER & CHECK VALVES ON HW&CW SUPPLIES EITHER INTEGRAL TO FAUCET OR PROVIDE ON HW&CW PIPES FEEDING THE
- 7. WATER CLOSET/TOILET SEATS SHALL BE OF SMOOTH NON ABSORBENT MATERIAL: ALL SEATS TO BE HINGED OPEN FRONT TYPE W/ STAINLESS STEEL HINGE & HARDWARE.

  (COORDINATE SEAT COLOR WITH ARCHITECT)
- 8. PROVIDE FIXTURES WITH COMPATIBLE CARRIER AND/OR FACTORY FURNISHED WALL HANGER/SUPPORT BRACKET ASSEMBLY UNLESS OTHERWISE INDICATION.
- 9. PLUMBING FIXTURES (VITREOUS CHINA & SOLID SURFACE) SHALL BE WHITE IN COLOR UNLESS OTHERWISE INDICATED.

	OPENING / SLEEVE SCHEDULE									
INSULATED DOMESTIC C	OLD WATER, HOT WATER, AND HOT WATER RE	CIRCULATION PIPING	UNINSULATED SANITARY,	UNINSULATED SANITARY, WASTE, VENT, STORM, AND GAS PIPING						
PIPE DIAMETER	WALL / FLOOR SLEEVE DIAMETER	BEAM OPENING DIAMETER	PIPE DIAMETER	PIPE DIAMETER WALL / FLOOR SLEEVE DIAMETER BEAM OPENIN						
1/2" & 3/4"	3"	4"	11/2"	3"	3"					
1"	4"	41/2"	2"	4"	3½"					
11/4"	4"	5"	2½"	4"	4"					
1½"	4"	5"	3"	5"	41/2"					
2" & 21/2"	5 <b>"</b>	6"	4"	6°	51/2"					
3"	6 <b>"</b>	61/2"	5"	8"	6½"					
4"	8 <b>"</b>	7½"	6"	8°	71/2"					
5"	8 <b>"</b>	8½"	8"	10"	91⁄2"					
6"	10"	9½"	10"	12"	11½"					
	·		12"	15"	131⁄2"					
			15"	18"	161⁄2"					

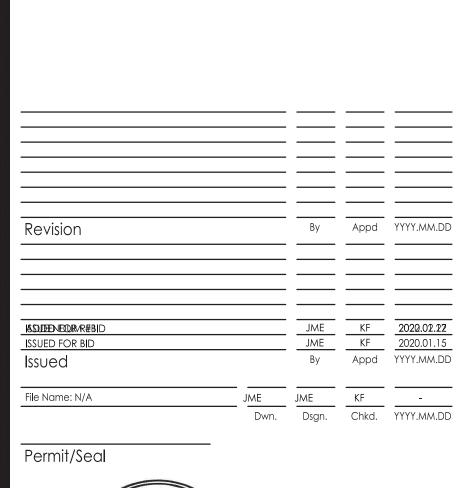


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NEW ROCHELLE

1923 BUILDING RENOVATION FLOWER PARK

491 5TH AVE, NEW ROCHELLE, NY 10801 Title

PLUMBING SCHEDULES

Project No. 191506465 Revision

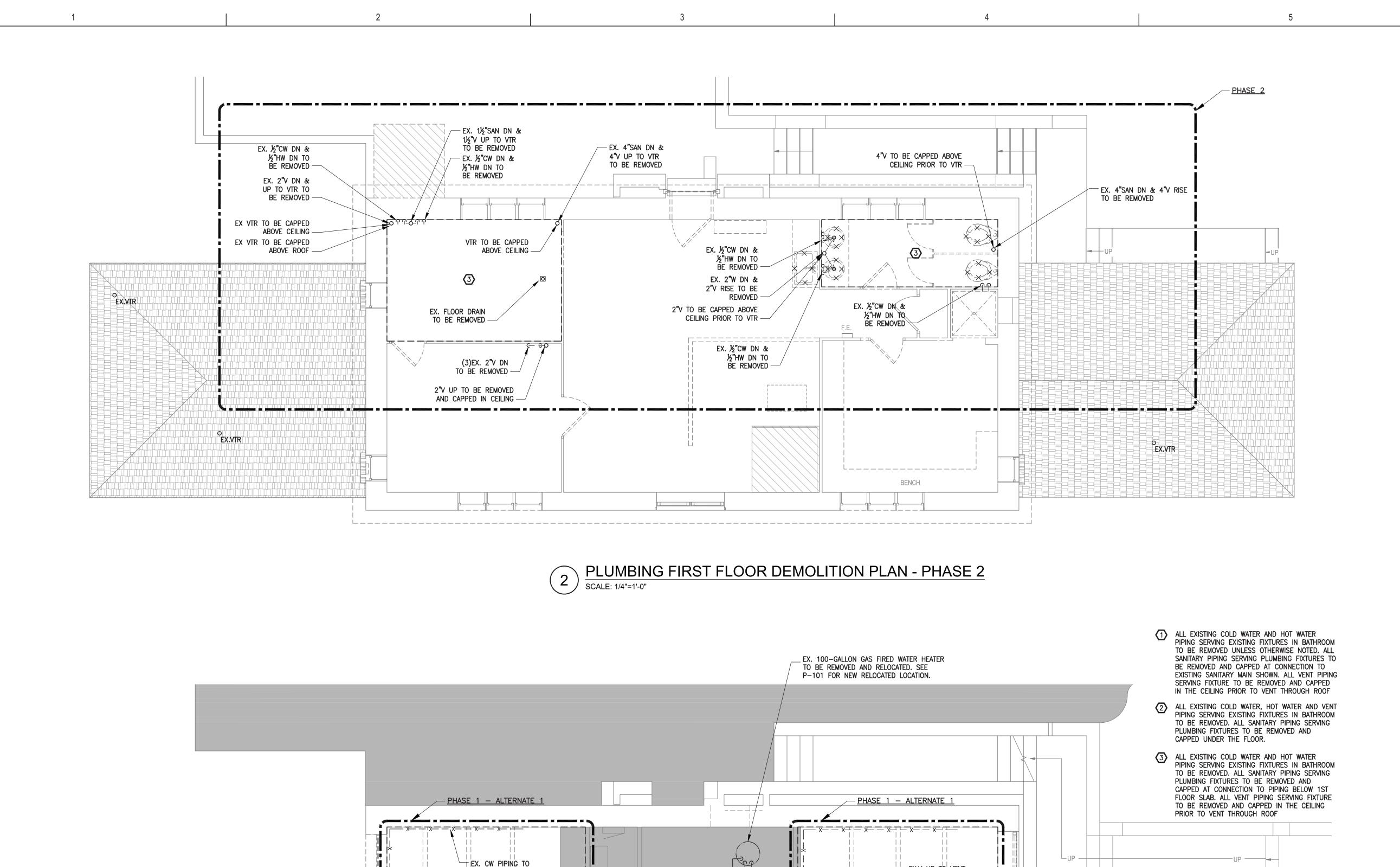
Drawing No.

Scale

NONE

ORIGINAL SHEET - ARCH D

P-0



EX. CW PIPING TO

BE REMOVED

'XXV'

'XXV'

XV

ALL EXISTING GAS PIPING

DOWNSTREAM OF THIS POINT TO BE REMOVED

EX.V UP TO VENT TO ROOF TO REMAIN -

EX. JANITOR SINK

DOWNSTREAM OF THIS (

ALL EXISTING CW PIPING

POINT TO BE REMOVED

EX. 4"SAN OUTGOING

ORIGINAL SHEET - ARCH D

SERVICE TO REMAIN -

EX. 4"FAI

TO REMAIN

TO REMAIN -

EX. 4"HOUSE TRAP

IN PIT TO REMAIN

EX. GAS METER AND GAS — REGULATOR TO REMAIN

EX. NON-FREEZE WALL

HYDRANT TO REMAIN

EX.V UP TO VENT

TO ROOF TO REMAIN —

⊔BE REMOVED

\_\_\_\_\_

EX. CW PIPING TO BE REMOVED

EX. CW&HW PIPING

TO BE REMOVED

EX. FD

TO REMAIN

EX. G PIPING TO BE REMOVED

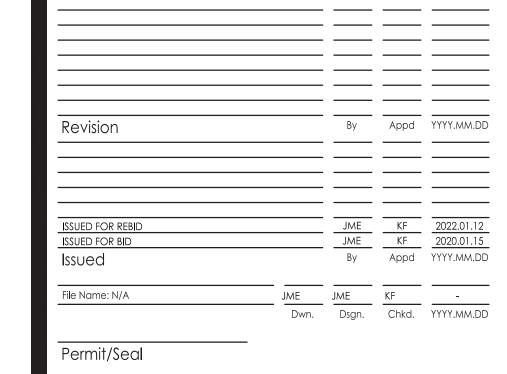


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NEW ROCHELLE

1923 BUILDING RENOVATION FLOWER PARK

491 5TH AVE, NEW ROCHELLE, NY 10801

PLUMBING GROUND & FIRST FLOOR
DEMOLITION PLANS

Scale AS NOTED

Drawing No.

PLUMBING GROUND FLOOR DEMOLITION PLAN - PHASE 1
SCALE: 1/4"=1"-0"

DEMOLITION PLANS

Project No.
191506465
AS 1
Project No.
191506465
Project No.
19150646

XX

EX. CW PIPING TO

EX.V UP TO VENT

TO ROOF TO REMAIN

BE REMOVED

EX. CW&HW PIPING

TO BE REMOVED

'XXV'

'XXV'

EX.V UP TO VENT

TO ROOF TO REMAIN -

EX. FD

TO REMAIN

EX. G PIPING TO

BE REMOVED

EX. CW&HW PIPING

TO BE REMOVED

PROVIDE %"CW CONN WITH VALVE, SHOCK ABSORBER, & FILTER (MOD# AP200 MB AQUA-PURE) TO REFRIGERATOR. PROVIDE - <u>PHASE 2</u> 8 FT COIL OF SOFT COPPER TUBING. NEW 11/4"CW DN NEW 1½"V TO CONNECT WC O - NEW ¾"CW EXISTING SHINGLES REF & ¾"HW DN SHALL REMAIN — ADA RESTROOM NEW 2"V2TO CONNECT TOSEXISTING VTR — NEW 2"V DN 🛛 🔻 NEW ¾"CW DN NEW 2"V DN — OFFICE 204 125 SF ¾"HW DN 2"W DN 1½"V RISE EX.VTR EX.VTR -EXISTING SHINGLES SHALL REMAIN PLUMBING FIRST FLOOR PLAN - PHASE 2 - PHASE 2 PLUMBING WORK ON THIS LEVEL IS PHASE 1 - BASE BID, UNLESS OTHERWISE NOTED. SAN PIPING TO BE RUN IN CEILING SOFFIT. COORIDNATE WITH ARCHITECT DRAWINGS. - CW, HW & SAN PIPING TO BE RUN | NEW 34"CW, 34"HW NEW 4"SAN UP IN CEILING SOFFIT. COORIDNATE & 2"W UP NEW 11/4"CW UP WITH ARCHITECT DRAWINGS. NEW 2"V UP − NEW ¾"CW - CW PIPING TO BE RUN ALONG & 34"HW UP/ WALL BELOW WINDOW TO WC NEW ¾"CW & NEW 1¼"CW DROP — NEW 1¼"CW ¾"HW DROP -– NEW | ¾"¢W & NEW 11/4"CW √ NEW 1¼"CW NEW HOT WATER DROP ¾"HW DROP DROP RECIRCULATION PUMP **EXISTING RELOCATED** GAS WATER HEATER NEW 34"G TO WATER CW, HW, HWR, VENT & GAS HEATER (75 CFH) PIPING TO BE RUN IN - NEW ½"CW DROP NEW 2"V UP CEILING SOFFIT. COORIDNATE NEW ¾"G TO HVAC WITH ARCHITECT DRAWINGS. -UNIT (27.5 CFH) -TO ICE MACHINE HW AND HWR PIPING TO RUN IN CEILING SOFFIT. COORDINATE 2"CW TO DROP WITH ARCHITECT DRAWINGS - $^{ot}$  BELOW WINDOW AND NEW 4"SAN DN - NEW ½"CW DROP 2"V TO DROP BELOW - NEW ¾"CW & RUN ALONG WALL TO TRAP PRIMER 2"CW WINDOW AND RUN ALONG TO WC'S ¾"HW DROP 3"FD-1 1¼"HW 1¼"HW WALL TO LAV'S -NEW 3"V DN — 2"V TO DROP BELOW WINDOW AND RUN ALONGOOM ¾"HWR — ¾"HWR − 94 SF 34"HWR-NEW ¾"CW&HW WALL TO LAVIS — EX. FD DROP TO JC — 1"CW&1"HW TO DROP 1"CW&HW BELOW WINDOW AND RUN EX. FD ¾"HWR-EX. 4"SAN OUTGOING 2"V RISE SERVICE TO REMAIN 34"CW DROP ¾"HW DROP FOR JS 111 25 SF EX. 4"FAI TO REMAIN --NEW ½"CW DROP └ CW,V&GAS PIPING TO BE RUN NEW ¾"CW DROP 1½"W DN IN CEILING SOFFIT. COORIDNATE EX. 4"HOUSE TRAP ¾"HW DROP NEW ¾"CW DROP WITH ARCHITECT DRAWINGS. 1½"V RISE IN PIT TO REMAIN 2"W DN ¾"HW DROP 1"CW&1"HW TO DROP — CW, HW & HWR PIPING - CW&HW PIPING TO BE RUN 1½"V RISE 2"SAN DN BELOW WINDOW AND RUN TO BE RUN IN CEILING ALONG WALL TO LAVS - CW, HW & VENT PIPING TO 1½"V RISE — SOFFIT. COORIDNATE WITH ALONG WALL TO LAV'S - NEW ¾"CW DROP BE RUN ALONG WALL TO LAVS ARCHITECT DRAWINGS. -VENT PIPING TO BE RUN NEW ¾"CW DROP ¾"HW DROP ALONG WALL TO LAVS -2"SAN DN ¾"HW DROP 1½"V RISE 2"SAN DN PLUMBING GROUND FLOOR PLAN - PHASE 1 1½"V RISE — SCALE: 1/4 "=1'-0" ORIGINAL SHEET - ARCH D



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Revision

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ISSUED FOR BID
ISSU

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NEW ROCHELLE

1923 BUILDING RENOVATION FLOWER PARK

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PLUMBING GROUND & FIRST FLOOR PLANS

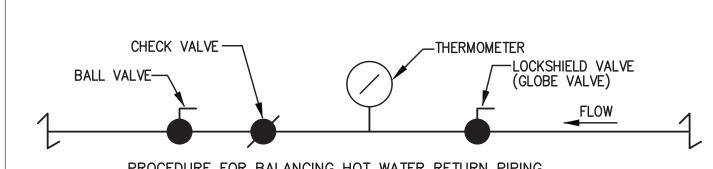
Project No. 191506465

Revision

Scale
AS NOTED
Drawing No.

P-101

SCALE: NTS



PROCEDURE FOR BALANCING HOT WATER RETURN PIPING

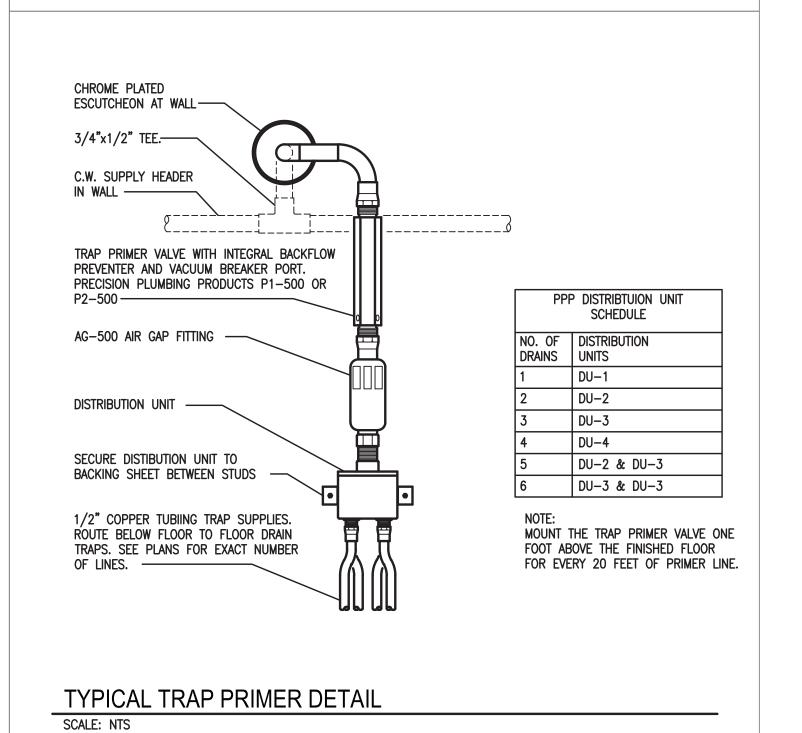
1. IN ORDER TO BALANCE HOT WATER RETURN TEMPERATURES IN THE RETURN PIPING THIS IS THE PROCEDURE TO BE FOLLOWED: BEFORE A RETURN CIRCULATION SYSTEM IS PUT INTO SERVICE, IT SHOULD BE ADJUSTED FOR RETURN LINE TEMPERATURE BALANCE UNDER CONDI— TIONS WHEREBY NO WATER IS DRAWN AT FIXTURE OUTLETS. THE ADJUST-MENT PROCEDURE IS SIMPLE AND MAY BE ACCURATELY DONE USING THER-MOMETERS. FIRST, CLOSE ALL BALANCING VALVES SO THAT ALL CIRCULA-TION GOES THROUGH BRANCH 1. THEN, OPEN THE BALANCING VALVE ON BRANCH 2 TO THE DEGREE NECESSARY SO THAT IT RETURNS WATER CON-STANTLY AT THE SAME TEMPERATURE AS BRANCH 1. SIMILARLY, ADJUST-MENT MAY BE MADE WITH BALANCING VALVE ON ANY OTHER RISERS OR

BRANCHES SO THAT ALL RETURN WATER IS AT THE SAME TEMPERATURE.

2. CONTRACTOR, AT THE END OF THE PROJECT, TO SUBMIT A REPORT FOR RECORD TO THE ENGINEER THAT THE HOT WATER RETURN CIRCULATION SYSTEM HAS BEEN BALANCED PROPERLY.

HOT WATER CIRCULATING LINE BALANCING VALVE ASSEMBLY DETAIL

SCALE: NTS





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Revision		Ву	Appd	YYYY.MM.DD
ISSUED FOR REBID		JME_	KF	2022.01.12
ISSUED FOR BID		JME	KF	2020.01.15
Issued		Ву	Appd	YYYY.MM.DD
File Name: N/A		JME	KF	_
	Dwn.	Dsgn.	Chkd.	YYYY.MM.DD

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Client/Project NEW ROCHELLE

1923 BUILDING RENOVATION FLOWER PARK

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PLUMBING DETAILS

Project No. 191506465

Revision

NONE

Scale

Drawing No.
P-401

ORIGINAL SHEET - ARCH D

NEW YORK.

- C. THE ARCHITECT'S SPECIFICATIONS AS APPLICABLE ARE PART OF THIS CONTRACT.
- D. THE CONTRACTOR IS ADVISED TO CLOSELY COORDINATE
  HIS WORK WITH THE BUILDING ENGINEER, SO THAT THE
  INTERRUPTION OF EXISTING BUILDING SERVICES, IN
  ORDER TO CONNECT NEW PIPING TO EXISTING SHALL BE
  MADE AT SUCH TIME AS TO CAUSE THE LEAST
  INTERFERENCE WITH ESTABLISHED BUILDING OPERATING
  PROCEDURE. CONTRACTOR SHALL NOT INTERRUPT THE
  SERVICES WITHOUT EXPRESS WRITTEN PERMISSION OF THE
  OWNER

#### 1.02 <u>VERIFYING CONDITIONS</u>

- A. EXAMINE ALL DRAWINGS COVERING THE WORK OF THIS SECTION AND REFER TO ALL OTHER DRAWINGS, INCLUDING ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS, WHICH MAY AFFECT THE WORK OF THIS SECTION OR REQUIRE COORDINATION BY SAME.
- B. BEFORE STARTING ANY WORK, EXAMINE EXISTING CONDITIONS, AND THOROUGHLY CHECK DRAWINGS, DIMENSIONS, SPECIFICATIONS, AND ADJOINING OR UNDERLYING CONDITIONS IN WHICH THE WORK OF THIS SECTION IS TO BE PERFORMED.
- C. REPORT, IN WRITING, TO THE ARCHITECT ANY AND ALL CONDITIONS WHICH MAY INTERFERE WITH OR OTHERWISE AFFECT OR PREVENT THE PROPER EXECUTION AND COMPLETION OF THE WORK OF THIS SECTION. DO NOT COMMENCE WORK UNTIL ANY AND ALL SUCH CONDITIONS HAVE BEEN CORRECTED BY THE TRADE OR TRADES RESPONSIBLE.
- D. FAILURE TO NOTIFY THE ARCHITECT OF UNSATISFACTORY CONDITIONS WILL BE CONSTRUED AS AN ACCEPTANCE OF ALL CONDITIONS.
- E. THE EXECUTION OF THE WORK OF THIS SECTION CONSTITUTES ACCEPTANCE OF THE BASE OR ADJOINING WORK AND OTHER CONDITIONS AS BEING SATISFACTORY IN EVERY RESPECT AND LATER CLAIMS OF DEFECTS IN SUCH CASES WILL NOT BE ALLOWED.
- F. THE DRAWINGS INDICATE AND THE SPECIFICATIONS
  DESCRIBE THE GENERAL ARRANGEMENT AND THE
  APPROXIMATE LOCATION OF EQUIPMENT, FIXTURES,
  PIPING, ETC. EXACT LOCATIONS MAY BE ADJUSTED IN
  THE FIELD TO SUIT EXISTING CONDITIONS.
- G. THE CONTRACTOR SHALL, WITHOUT EXTRA COST TO THE OWNER, MAKE ALL REASONABLE MODIFICATIONS IN THE WORK AS MAY BE REQUIRED TO PREVENT CONFLICT WITH THE WORK OF OTHER TRADES, OR FOR THE PROPER INSTALLATION OF THE WORK.

#### 1.03 <u>AS-BUILT DRAWINGS</u>

A. 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. THESE DOCUMENT SHALL ALSO BE PROVIDED TO THE OWNER IN AN APPROVED AUTOCAD FORMAT.

# 1.04 <u>TESTS</u>

A. THE PLUMBING SYSTEMS SHALL BE INSPECTED AND TESTED IN ACCORDANCE WITH REQUIREMENTS OF THE NEW YORK STATE BUILDING CODE.

# 1.05 <u>CLEANING</u>

- A. ALL PIPING, FIXTURES, EQUIPMENT, ETC., INSTALLED UNDER THIS CONTRACT SHALL BE THOROUGHLY CLEANED AND PROTECTED DURING CONSTRUCTION AND PUT INTO FIRST—CLASS OPERATING CONDITION BEFORE BEING OFFERED FOR ACCEPTANCE.
- B. UPON COMPLETION OF ALL WORK, THE PLUMBING CONTRACTOR SHALL THOROUGHLY CLEAN ALL PLUMBING FIXTURES, SINKS AND TRIM AND LEAVE ALL ITEMS READY FOR USE BY THE OWNER. ALL FLOOR DRAINS SHALL BE CLEANED AND MANUFACTURERS PROTECTIVE COVERINGS SHALL BE REMOVED.

# 1.06 LAWS, ORDINANCES, ETC.

A. THE WORK OF THIS CONTRACTOR MUST COMPLY WITH ALL LOCAL LAWS, ORDINANCES AND RULES. THIS CONTRACTOR MUST HAVE THE NECESSARY INSPECTIONS MADE BY THESE AUTHORITIES, PAY ALL THE REQUIRED FEES, AND FURNISH THE OWNER WITH CERTIFICATES OF APPROVAL BEFORE FINAL PAYMENT ON THIS CONTRACT IS MADE. HE SHALL APPLY, PAY FOR, AND OBTAIN ALL PERMITS.

# 1.07 <u>SUPERVISION</u>

A. THIS CONTRACTOR SHALL HAVE A COMPETENT FOREMAN IN RESPONSIBLE CHARGE OF THE WORK WHO SHALL BE ON THE SITE DURING THE INSTALLATION OF THE MATERIAL FURNISHED UNDER THIS SPECIFICATION UNTIL SAME HAS BEEN PUT IN COMPLETE OPERATIVE CONDITION AND ACCEPTED BY THE OWNER.

# 1.08 <u>CUTTING AND PATCHING</u>

A. THIS CONTRACTOR SHALL DO ALL CUTTING AND PATCHING FOR PLUMBING WORK AND SHALL COORDINATE SAME WITH ALL OTHER TRADES. ALL CUTTING SHALL BE SUBJECT TO TRADE REGULATIONS. NO CUTTING OF STRUCTURAL MEMBERS SHALL BE DONE WITHOUT THE APPROVAL OF THE ARCHITECT.

# PART 2 - MATERIAL

# 2.01 GENERAL

- A. THE PLUMBING SYSTEMS SHALL BE COMPLETE WITH ALL PIPES, FITTINGS, TRAPS, SUPPLIES, VALVES, HANGERS AND SUPPORTS, INSULATION, ETC. AND ALL OTHER ITEMS NECESSARY FOR COMPLETE, SATISFACTORY OPERATING AND APPROVED TYPE SYSTEM.
- B. ALL PIPE FITTINGS, VALVES, FIXTURES, HANGERS, SUPPORTS, INSULATION, ETC. SHALL CONFORM TO THE REQUIREMENTS OF THE NEW YORK STATE BUILDING CODE.

#### 2.02 SOIL, WASTE, AND VENT PIPE AND FITTINGS

- A. ALL ABOVE GROUND SOIL, WASTE, AND VENT PIPING SHALL BE "NO—HUB" CAST IRON PIPE AND FITTINGS EXCEPT AS NOTED OTHERWISE.
- B. ALL JOINTS AND CONNECTIONS SHALL BE ASSEMBLED BY MEANS OF SEALING SLEEVES AND STAINLESS STEEL CLAMPS AND SHIELD ASSEMBLIES.
- C. PIPE AND FITTINGS SHALL BE CENTRAL FOUNDRY COMPANY, TYLER PIPE COMPANY, EAST PENN FOUNDRY OR APPROVED EQUAL.

#### 2.03 EJECTOR PUMP DISCHARGE PIPE AND FITTINGS

A. ALL EJECTOR PUMP DISCHARGE PIPING SHALL BE TYPE 'L' COPPER TUBING HARD TEMPERED WITH DWV DRAINAGE FITTINGS AND 95/5 TIN/ANTIMONY SOLDERED JOINTS.

#### 2.04 COLD WATER AND HOT WATER PIPE AND FITTINGS

- A. DOMESTIC COLD WATER, HOT WATER AND HOT WATER CIRCULATION PIPE SHALL BE TYPE "L", HARD DRAWN, COPPER TUBING WITH WROUGHT BRONZE FITTINGS FOR 150 POUND WATER WORKING PRESSURE AND WITH JOINTS OF 95-5 (TIN-ANTIMONY) SOLDER. NO SOLDER CONTAINING LEAD IS PERMITTED.
- B. ALL SUPPLIES THROUGH WALLS TO FIXTURES SHALL BE 85% RED BRASS WITH THREADED BRASS FITTINGS. ALL EXPOSED PIPING IN FINISHED SPACES SHALL BE CHROME PLATED 85% RED BRASS.

#### 2.05 HANGERS AND SUPPORTS

- A. FURNISH ALL NECESSARY HANGERS, SUPPORTS, INSERTS, CLAMPS, ETC. AS REQUIRED. ALL HANGERS AND SUPPORTS SHALL BE OF HEAVY CONSTRUCTION AND SUITABLE FOR THE SIZE OF PIPE TO BE SUPPORTED. ALL INSERTS AND HANGERS SHALL BE INSTALLED TO CLEAR WORK OF OTHER TRADES.
- C. WHERE PIPES ARE TO BE INSULATED, THE HANGERS SHALL BE OF AMPLE SIZE TO PROVIDE FOR THE COVERING SPECIFIED AND BE PROVIDED WITH GALVANIZED STEEL INSULATION SHIELDS.
- D. ALL HANGERS, RODS, BEAM CLAMPS, ETC. SHALL BE SHOP ZINC COATED.
- E. ALL HORIZONTAL COPPER TUBING SHALL BE SUPPORTED BY HANGERS NOT OVER SIX (6) FEET APART FOR PIPING 1-1/4 INCH AND SMALLER AND NOT OVER TEN (10) FEET APART FOR PIPING 1-1/2 INCH AND LARGER. ALL BRANCHES SHALL HAVE SEPARATE HANGERS. HANGERS SHALL BE CLEVIS TYPE WITH COPPER BOTTOM SUPPORT. IF CHANNEL OR ANGLE IRON TRAPEZE HANGERS ARE USED, THE SPACE ON HANGERS FOR THE COPPER TUBING SHALL BE WRAPPED WITH LEAD SHIELDS TO ISOLATE TUBING.
- F. IN AREAS OF STEEL CONSTRUCTION, PIPE HANGERS SHALL BE SUPPORTED BY BEAM CLAMPS. COORDINATE WITH ENGINEER FOR MAXIMUM LOADING. BEAM CLAMPS SHALL BE STEEL WITH BOLT, NUT AND SOCKET THREADED FOR ROD CONNECTION AND SHALL BE F & S MANUFACTURING COMPANY FIG. #45, CENTRAL IRON, GRINNELL COMPANY, OR APPROVED EQUAL.

# 2.06 INSULATION

A. COVER ALL COLD WATER, HOT WATER AND HOT WATER RECIRCULATION PIPE WITH MANVILLE MICRO—LOK AP—T PLUS FIBERGLASS INSULATION. INSULATION THICKNESS SHALL COMPLY COMPLY WITH THE TABLE C403.2.1 OF THE INTERNATIONAL ENERGY CONSERVATION CODE. FITTINGS AND VALVES SHALL BE INSULATED WITH MANVILLE ZESTON 2000 PVC INSULATED FITTING COVERS. INSTALL ALL INSULATION AS PER MANUFAC—TURERS RECOMMENDATIONS. ALL INSULATION MATERIAL SHALL COMPLY WITH NEW YORK STATE BUILDING CODE REQUIREMENT OF A FLAME SPREAD RATING NOT TO EXCEED 25 AND A SMOKE DEVELOPED RATING NOT TO EXCEED 50.

# 2.07 <u>VALVES</u>

A. STOP VALVES, EXCEPT FIXTURE STOPS, ON HOT AND COLD WATER LINES 2 IN. AND SMALLER SHALL BE FULL PORT 400 LB. NON-SHOCK BRONZE BALL VALVES, NIBCO T-595-Y FOR THREADED CONNECTIONS, AND NIBCO S-595-Y FOR COPPER TO COPPER, OR APPROVED OTHER.

# 2.08 <u>DRAINS</u>

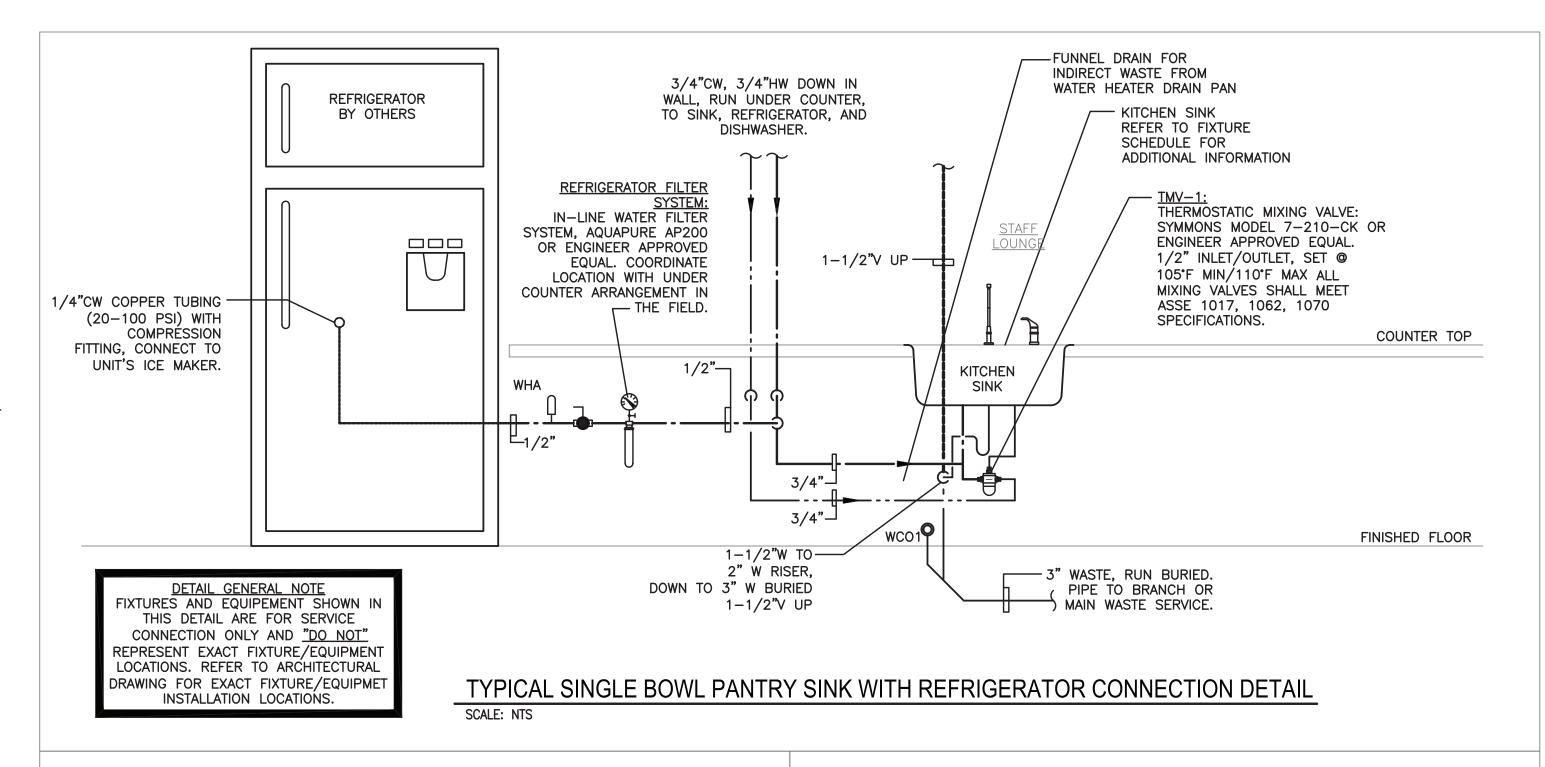
A. ALL DRAINS SHALL BE AS PER DRAIN SCHEDULE LOCATED ON COVER DRAWING.

# 2.09 GUARANTEE

- A. THIS CONTRACTOR SHALL GUARANTEE FOR A PERIOD OF ONE (1) YEAR FROM DATE OF ACCEPTANCE BY THE OWNERS, ALL MATERIALS, APPARATUS AND WORKMANSHIP WHETHER FURNISHED BY HIMSELF OR BY HIS SUBCONTRACTORS AND HE SHALL REPLACE OR REPAIR IN A MANNER APPROVED BY THE ARCHITECTS, WITHOUT COST TO THE OWNER, ANY PARTS OR PARTS OF THE WORK WHICH MAY PROVE DEFECTIVE OR UNSATISFACTORY WITHIN THE PERIOD OF THE GUARANTEE.
- B. WHERE SPECIAL GUARANTEES COVERING INSTALLATION, OPERATION OR PERFORMANCE OF ANY SYSTEMS OR APPLIANCES FURNISHED UNDER THIS CONTRACTOR ARE REQUIRED, THE FULL RESPONSIBILITY FOR THE FULFILLMENT OF SUCH GUARANTEES MUST BE ASSUMED BY THE CONTRACTOR, WHO SHALL OBTAIN WRITTEN GUARANTEES, IN TRIPLICATE, WHICH SHALL BE FILED WITH THE ARCHITECT BEFORE FINAL ACCEPTANCE.
- C. CONTRACTOR WILL BE RESPONSIBLE FOR ALL LEAKS IN ALL PIPES FOR A PERIOD OF ONE YEAR FROM THE DATE OF COMPLETION OF WORK UNDER THIS CONTRACT. CONTRACTOR SHALL REPAIR AT NO COST TO THE OWNER, ALL SUCH LEAKS WHICH OCCUR AFTER COMPLETION OF THIS CONTRACT UPON 24 HOURS NOTICE THEREOF BY THE CONSTRUCTION MANAGER/GENERAL CONTRACTOR. LEAKS WHICH OCCUR PRIOR TO THE COMPLETION OF THIS CONTRACT SHALL BE REPAIRED AT ONCE. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED BY SUCH LEAKS AND THE REPAIR THEREOF AND WILL REIMBURSE THE CONSTRUCTION MANAGER/GENERAL CONTRACTOR FOR ALL EXPENSE INCURRED THEREBY.

# D. DISINFECTION

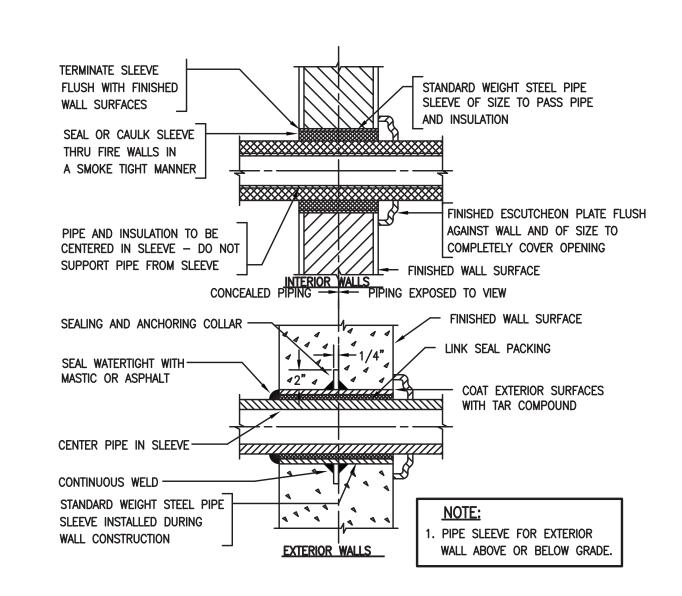
THE POTABLE WATER SYSTEM SHALL BE DISINFECTED PRIOR TO USE BY A METHOD OF DISINFECTION IN ACCORDANCE WITH THE NEW YORK STATE BUILDING



CONCEALED VALVES AND FITTINGS

REQUIRED PIPE INSULATION THICKNESS.

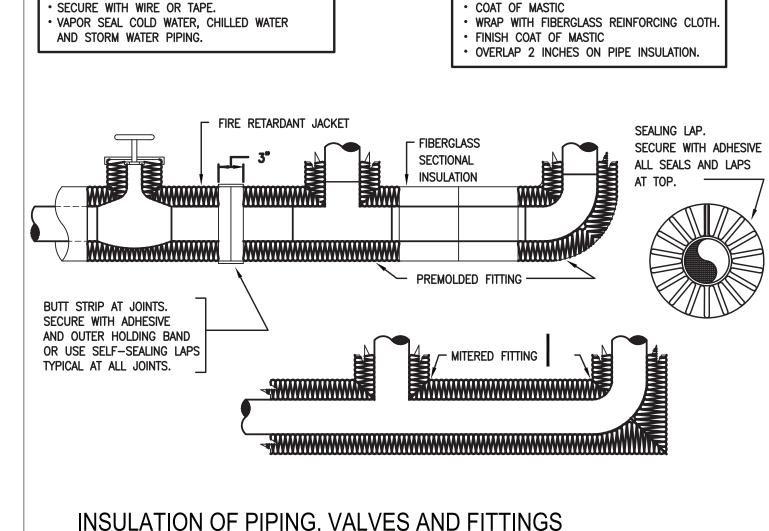
· WRAP WITH 1 INCH THICK, 1 POUND DENSITY TO



PIPE SLEEVES THRU WALL DETAIL

SCALE: NTS

SCALE: NTS



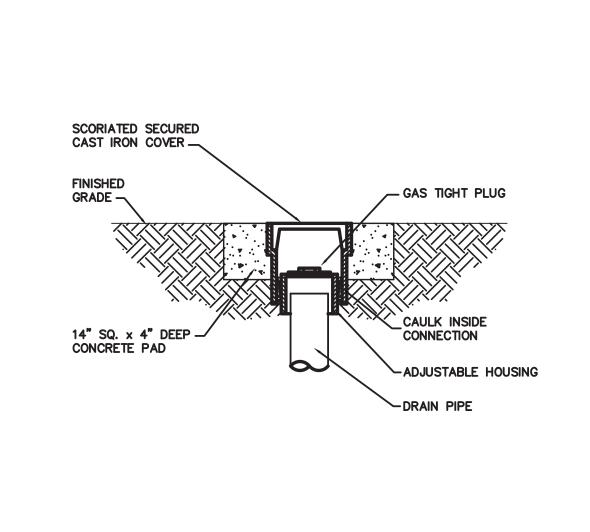
EXPOSED VALVES AND FITTINGS

SKIM COAT OF INSULATION CEMENT.

PIPE INSULATION.

PREMOLDED FIBERGLASS OR RADIAL MITERED

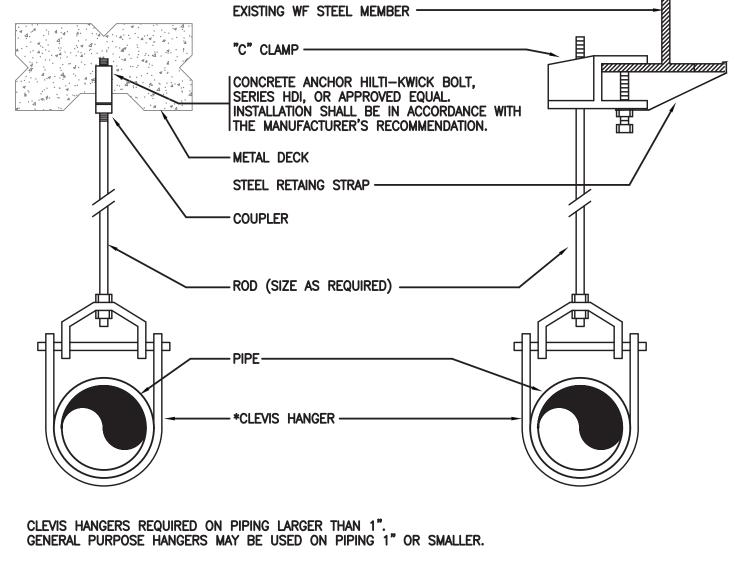
INSULATION OF PIPING, VALVES AND FITTINGS
FOR EXPOSED AND CONCEALED LOCATIONS
SCALE: NTS



CLEANOUT DECK PLATE SET IN CONCRETE DETAIL

TYPICAL HANGER DETAIL

SCALE: NTS



Stanted

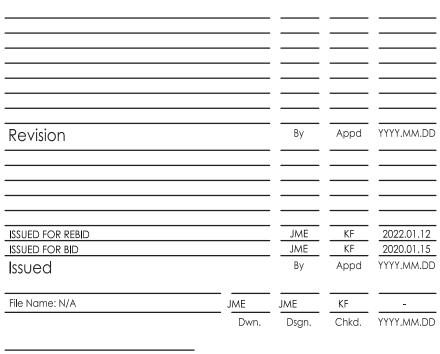
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#### Consultant



Permit/Seal



Client/Project Logo



Client/Project
NEW ROCHELLE

1923 BUILDING RENOVATION FLOWER PARK

491 5TH AVE, NEW ROCHELLE, NY 10801

Revision

PLUMBING DETAILS & SPECIFICATIONS

Project No. Scale
191506465 NONE

P-402

ORIGINAL SHEET - ARCH D

18:31 PM Averion. Alvin