

KEY OF SYMBOLS

NOTE: THE KEY OF SYMBOLS INDICATED IS FOR CONVENIENCE ONLY AND ITEMS INDICATED ARE NOT NECESSARILY WITHIN THE SCOPE OF THE WORK.

	A.B.D.	AUTOMATIC BALL DRIP
	A.D.	ACCESS DOOR
	A. DR.	AREA DRAIN
	B.T.	BATH TUB
	C.D.	CANOPY DRAIN
	CLG.	CEILING
	C.O.	CLEANOUT
	C.O.D.P.	CLEAN OUT DECK PLATE
	C.V.	CHECK VALVE
	C.V.B.	CHECK VALVE BOX
	D.I.	DROP INLET
	D.F.	DRINKING FOUNTAIN
	DN.	DOWN
	EL.	ELEVATION
	E.W.C.	ELECTRIC WATER COOLER
	F.A.I.	FRESH AIR INLET
	F.D.	FLOOR DRAIN
	FL. DR.	FLOOR DRAIN
	F.F.D.	FUNNEL DRAIN
	FL.	FLOOR
	F.O.	FLOOR OUTLET
	F.U.	FIXTURE UNITS
	F.V.	FLUSH VALVE FLUSHOMETER
	G.V.	GATE VALVE
	H.C.	HUNG CEILING
	H.R.	HOSE RACK
	INV.	INVERT
	LAV.	LAVATORY
	MH.	MANHOLE
	M.S.	MOP SINK
	N.I.C.	NOT IN CONTRACT
	O.S.&Y.	OUTSIDE SCREW & YOKE
	P.C.	PLUG COCK
	P.O.	PLUGGED OUTLET
	R.P.B. F.P.	REDUCED PRESSURE BACKFLOW PREVENTER
	R.D.	ROOF DRAIN
	R.T.	RUNNING TRAP
	R.C.V.	RISER CONTROL VALVE
	S.P.O.	SOIL PLUGGED OUTLET
	S.H.	SHOWER HEAD
	SH.- SHWR.	SHOWER
	SK.	SINK
	S.S.	SERVICE SINK
	S.E.	SEWAGE EJECTOR
	T.D.	TERRACE DRAIN
	T.E.	TERRACE ELEVATION
	T.P.	TRAP PRIMER
	T.S.	TAMPER SWITCH
	UR.	URINAL
	U.O.S.W.	UNDER ANOTHER SECTION OF THE WORK
	VAL. O. V.O.	VALVED OUTLET
	V.T.R.	VENT THRU ROOF
	V.P.O.	VENT PLUGGED OUTLET
	W.C.	WATER CLOSET

PLUMBING INSTALLATION CRITERIA

EACH BIDDER SHALL VISIT THE SITE AND BECOME INFORMED AS TO THE CONDITION OF THE PREMISES AND THE EXTENT AND CHARACTER OF WORK REQUIRED. NO ADDITIONAL COMPENSATION WILL BE APPROVED DUE TO FIELD CONDITIONS.

- PROVIDE ROUGH-IN AND FINAL CONNECTIONS FOR ALL PLUMBING FIXTURES INCLUDING WASTE, VENTS, HOT AND COLD WATER, AND PROVIDE ALL PLUMBING WORK NECESSARY TO MAKE THE PANTRY, ELECTRIC WATER COOLER(S) BATH, ETC. ENTIRELY OPERABLE AND ACCEPTABLE TO LOCAL HEALTH AND BUILDING OFFICIALS.
- PLUMBING CONTRACTOR SHALL LOCATE ALL PIPING AND PLUMBING ROUGH-IN FOR PLUMBING FIXTURES IN ACCORDANCE WITH ROUGH-IN DRAWINGS PROVIDED BY EQUIPMENT MANUFACTURERS.
- ALL VISIBLY EXPOSED PIPE TO EQUIPMENT SHALL BE CHROME PLATED BRASS.
- PROVIDE SHUT-OFF VALVES FOR EACH PLUMBING FIXTURE AND PIECE OF EQUIPMENT.
- PROVIDE TRAPS ON ALL WASTE PIPING FROM PLUMBING FIXTURES AND PIECE OF EQUIPMENT.
- COORDINATE POSITION OF SLEEVES AND OPENINGS THROUGH FLOOR WITH THE GENERAL CONTRACTOR.
- PROVIDE VACUUM BREAKERS AND CHECK VALVES FOR THE PLUMBING FIXTURES WHERE AND WHEN REQUIRED BY CODE.
- ALL PIPING AND EQUIPMENT SHALL BE SUBSTANTIALLY SUPPORTED FROM THE BUILDING STRUCTURE. HANGER AND SUPPORTS SHALL BE SPECIFICALLY APPROVED FOR USE IN PLUMBING SYSTEMS.
- WHERE OVERHEAD CONSTRUCTION DOES NOT PERMIT FASTENING OF HANGER RODS IN REQUIRED LOCATIONS, PROVIDE ADDITIONAL STEEL FRAMING AS REQUIRED AND APPROVED.
- NO PLUMBING PIPING SHALL BE HUNG FROM THE PIPING OF OTHER TRADES OR DUCTWORK. HANGERS SHALL BE OF HEAVY CONSTRUCTION, SUITABLE FOR THE SIZE OF PIPE TO BE SUPPORTED.
- PLUMBING FIXTURES TO BE APPROVED BY THE GENERAL CONTRACTOR AND INSTALLED BY THE PLUMBING CONTRACTOR. ID. PLUMBING FIXTURES SHALL BE AS SPECIFIED BY ARCHITECT.
- ALL PLUMBING FIXTURES SPECIFIED BY THE ARCHITECT. SEE ARCHITECTURAL DRAWINGS, SPECIFICATIONS, DETAILS AND ELEVATIONS OF THE PANTRY, BATH, ETC. FOR REQUIRED PLUMBING CONNECTIONS.
- ALL VENT AND BRANCH PIPES SHALL BE GRADED AND CONNECTED AS TO DRAIN BACK TO THE DRAINAGE PIPE BY GRAVITY.

308.5 Interval of Support

Pipe shall be supported in accordance with Table 308.5.

Exception: The interval of support for piping systems designed to provide for expansion/contraction shall conform to the engineered design in accordance with Section 316.1.

TABLE 308.5 HANGER SPACING

PIPING MATERIAL	MAXIMUM HORIZONTAL SPACING, FEET	MAXIMUM VERTICAL SPACING, FEET
Acrylonitrile butadiene styrene (ABS) pipe	4	10 ^a
Aluminum tubing	10	10
Steel pipe	10	10
Cast-iron pipe	10 ^b	10
Chlorinated polyethylene (CPE) pipe and tubing, 1 inch and smaller	3	10 ^b
Chlorinated polyethylene (CPE) pipe and tubing, 1 1/2 inches and larger	4	10 ^b
Copper or copper alloy pipe	10	10
Copper or copper alloy tubing, 1/2-inch diameter and smaller	6	10
Copper or copper alloy tubing, 3/4-inch diameter and larger	10	10
Chlorinated polyethylene (CPE) pipe, 1 inch and smaller	3.5 ^b	10 ^b
Chlorinated polyethylene (CPE) pipe, 1 1/2 inch and larger	4	10 ^b
Cross-linked polyethylene (PEX) pipe (PEX-AL/PEX) pipe	3.5 ^b	4
Lead pipe	Continuous	4
Polyethylene glycol dimethacrylate (PEGL) pipe	3.5 ^b	4
Polyethylene of raised temperature (PE RT) pipe 1 inch and smaller	3.5 ^b	10 ^b
Polyethylene of raised temperature (PE RT) pipe 1 1/2 inch and larger	4	10 ^b
Polyethylene (PE) pipe or tubing, 1 inch and smaller	3.5 ^b	10 ^b
Polyethylene (PE) pipe or tubing, 1 1/2 inches and larger	4	10 ^b
Polystyrene (PS) pipe	4	10 ^b
Stainless steel drainage systems	10	10 ^b
Steel pipe	10	10

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm.

- The maximum horizontal spacing of cast-iron pipe hangers shall be increased to 10 feet where 10-foot lengths of pipe are installed.
- For sizes 2 inches and smaller, a guide shall be installed midway between required vertical supports. Such guides shall prevent pipe movement in a direction perpendicular to the axis of the pipe.

DRAWING LIST

SHEET	TITLE	SCALE
P-000	PLUMBING SYMBOLS, ABBREVIATIONS, NOTES AND DRAWING LIST	NTS
P-100	PLUMBING UNDERGROUND PLAN	1/8" = 1'-0"
P-101	PLUMBING 1ST FLOOR PLAN	1/8" = 1'-0"
P-102	PLUMBING ROOF PLAN	1/8" = 1'-0"
P-500	PLUMBING DETAILS	NTS
P-600	PLUMBING SCHEDULES	NTS
P-700	PLUMBING RISER DIAGRAMS	NTS

BUILDING DEPARTMENT PLUMBING NOTES

THE PLUMBING SYSTEMS (SANITARY, WASTE, VENT, STORM, AND WATER DISTRIBUTION) AND ALL ASSOCIATED EQUIPMENT WILL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE FULL REQUIREMENTS OF THE PLUMBING CODE. COMPLIANCE WITH THE FULL PROVISIONS OF ALL BUILDING AND PLUMBING CODE ACCESSIBILITY REQUIREMENTS AND PLUMBING FIXTURE FLOW REQUIREMENTS OF THE PLUMBING CODE.

- THE SANITARY SYSTEM SHALL BE PROVIDED IN FULL ACCORDANCE WITH THE GENERAL PROVISIONS OF SECTION PC301.
- THE MATERIALS USED IN THE PLUMBING SYSTEMS WILL BE PROVIDED IN FULL ACCORDANCE WITH SECTIONS PC302 AND PC303.
- EQUIPMENT HOOK-UP AND THE JOINING WILL BE FULL COMPLIANCE WITH SECTIONS PC605 AND PC705.
- THE INSTALLATION OF FIXTURES WILL BE IN FULL ACCORDANCE WITH PC CHAPTER 4.
- TRAPS FOR FIXTURES AND DRAIN LINES WILL BE PROVIDED AND CLEANOUTS INSTALLED IN FULL COMPLIANCE WITH SECTIONS PC412, PC708 AND PC CHAPTER 10.
- VERTICAL AND HORIZONTAL PIPING WILL BE HUNG AND SUPPORTED AS DIRECTED IN SPECIFICATIONS AND WITH THE FULL COMPLIANCE WITH SECTION PC308.
- THE WATER SUPPLY SYSTEMS OF THE SUBJECT BUILDING SHALL BE INSTALLED AND MAINTAINED IN FULL COMPLIANCE WITH PC CHAPTER 6.
- SHOCK ABSORBERS SHALL BE PROVIDED IN FULL COMPLIANCE WITH PC 604.9 WHERE ALL QUICK CLOSING VALVES ARE INSTALLED AND ALL EQUIPMENT CONTAINING QUICK CLOSING SOLENOID VALVES SUCH AS ICE MAKERS, COFFEE MACHINES, DISHWASHERS, CLOTHES WASHERS, ELECTRONIC OPERATED FLUSH VALVES AND FAUCETS, AND SHOWER MIXING VALVES THAT HAVE A SINGLE LEVER HANDLE.
- THE SANITARY DRAINAGE SYSTEM WILL BE SIZED AND INSTALLED IN FULL COMPLIANCE WITH PC CHAPTER 7.
- THE VENT PIPING FOR THE SANITARY DRAINAGE SYSTEM OF THE SUBJECT BUILDING WILL BE INSTALLED IN FULL COMPLIANCE WITH SECTION PC702 & PC CHAPTER 9.
- THE STORM DRAINAGE SYSTEM AND PIPING WILL BE INSTALLED IN FULL COMPLIANCE WITH PC CHAPTER 11.
- ALL TRENCHING SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION PC306.
- RAT PROOFING SHALL BE IN ACCORDANCE WITH SECTION PC304.
- TEMPORARY TOILET FACILITIES SHALL BE PROVIDED FOR CONSTRUCTION PERSONNEL AS PER SECTION PC311.

REGENERON REAL ESTATE & FACILITIES MANAGEMENT

777 Old Saw Mill River Road
Tarrytown, NY 10591-6707
T: 914.847.7400
F: 914.847.7991
www.regeneron.com

Building #17
Campus Expansion Child Day-care Center

899 Old Saw Mill River Road
Mount Pleasant, NY 10591

Project No. B17-DAYCARE

Architect

Gensler
1700 Broadway, Suite 400
New York, NY 10019
(212) 492-1400 Phone
(212) 492-1472 Fax

Structural Engineer

Thornton Tomasetti
120 Broadway, 15th Floor
New York, NY 10271
(917) 661-7800 Phone
(917) 661-7801 Fax

MEP / IT / Security Engineer

Cosentini Associates
498 Seventh Avenue
New York, NY 10018
(212) 615-3600 Phone
(212) 615-3700 Fax

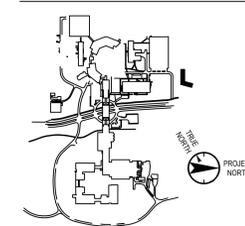
Civil Engineer

JMC
120 Bedford Road
Armonk, NY 10504
(914) 273-5225 Phone
(914) 273-2102 Fax

Landscape Architect

Langan
21 Penn Plaza, 360 West 31st Street, 8th Floor
New York, NY 10001
(212) 479-5400 Phone
(212) 479-5444 Fax

Key Plan



No. Date Description

0	05.20.2022	ISSUED FOR PERMIT
1	06.20.2022	100% CONSTRUCTION DOCUMENTS
2	07.01.2022	100% CONSTRUCTION DOCUMENTS-1

Plot Date: 07.01.2022

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Professional Seal and Signature

Vendor Name: COSENTINI
Vendor Project No.: 210104
Discipline: Plumbing Drawn By: DH

PLUMBING SYMBOLS, ABBREVIATIONS, AND DRAWING LIST

Scale: NTS Floor: N/A

TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 ENERGY CONSERVATION CODE OF NYS

This plan is approved only for work indicated on the application specification sheet. All other matters shown are not to be relied upon, or to be considered as either being approved or in accordance with applicable codes.

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