

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

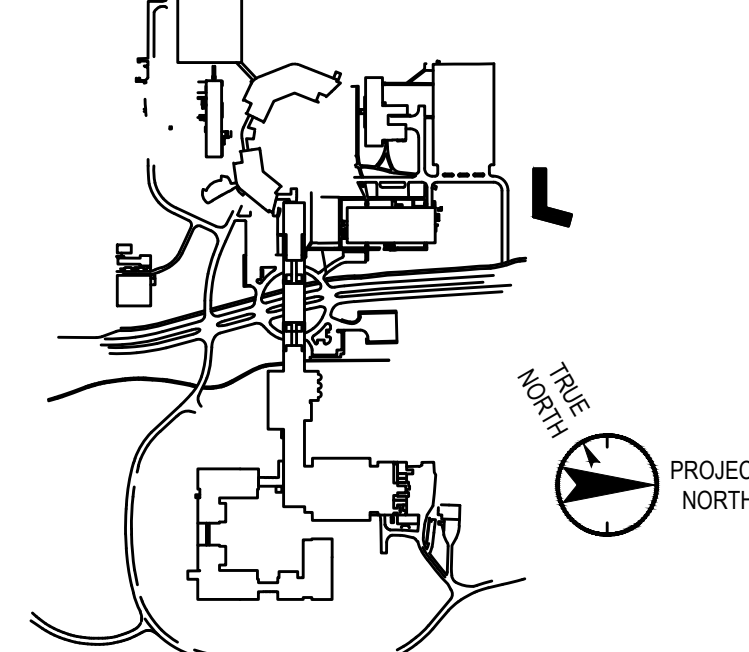
Civil Engineer

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: Fire Suppression Drawn By: DH  
**FIRE SUPPRESSION  
SCHEDULES**

Scale: NTS      Floor: N/A

**FX 000**

ГЛ-600

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SCHEDULE 40 PIPE – VICTAULIC COUPLING & FITTING SCHEDULE								SEE NOTES
	VICTAULIC FTG. No.	SIZE	TYPE	GROOVED HOLE CUT PIPE	PLAIN END VIC RING	156#WMP 175#WMP 200#WMP 230#WMP 300#WMP 350#WMP 400#WMP NOTE A 450#WMP NOTE B & D 500#WMP NOTE B & C 600#WMP 700#WMP 720#WMP 750#WMP REFER TO GENERAL NOTE #1	REQUIRED	SERVICE & LOCATION
								SPKR SYSTEM FSP IN-COMING SERVICE           RISERS HORIZONTAL RUN NOT PERMITTED SEISMIC REQUIREMENTS EXPANSION JOINTS
C O U P L I N G S	07 ZERO-FLEX	1"-4"	RIGID	.			.	.
	07 ZERO-FLEX	5"-6"	RIGID	.			.	.
	07 ZERO-FLEX	8"	RIGID	.			.	.
	07 ZERO-FLEX	10"	RIGID	.			.	.
	07 ZERO-FLEX	12"	RIGID	.			.	.
	07 ZERO-FLEX	14"-20"	RIGID	.			.	.
	005 FIRELOCK	2"-6"	RIGID	.			.	.
	009 FIRELOCK	1 1/4"-4"	RIGID	.			.	.
	HP-70	2"-8"	RIGID	.			.	.
	HP-70	10"-12"	RIGID	.			.	.
	77	3/4"-6"	FLEXIBLE	.			.	.
	77	8"-12"	FLEXIBLE	.			.	.
	77	14"-22"	FLEXIBLE	.			.	.
	75	1 1/2"-4"	FLEXIBLE	.			.	.
	75	4 1/2"-8"	FLEXIBLE	.			.	.
	741	2'-12"	VIC-FLANGE ADAPTER	.			.	.
	743	2'-12"	VIC-FLANGE ADAPTER	.			.	.
	791	2"-4"	BOLTLESS	.			.	.
	791	6"	BOLTLESS	.			.	.
	791	8"	BOLTLESS	.			.	.
	750	-	REDUCING	.			.	.
	72	1" - 2"	OUTLET UL/FM APPROVED SIZE & PRESSURE	.			.	.
T E S T & D R A I N	720	1 1/4"-2"	GROOVED ENDS			.		.
F I T T I N G S	-	-	-				.	.
	10, 11, 12, 13	-	ELBOWS				.	.
	50, 52	-	REDUCERS				.	.
	20	-	TEES				.	.
	25, 29	-	REDUCING TEES				.	.
	85	-	CROSS				.	.
	920N	-	MECH TEE SIZE & PRESSURE UL/FM APPROVED			.	.	.
	920N	-	MECH TEE	.		.	.	.
	922	-	-		.		.	.
	27	-	STANDPIPE VALVE TEE				.	.

NOTES:

'A'	007	ZEROFLEX	UL/FM	APPROVED	WITH LT.	WALL	PIPE	ROLL	GROOVE	350	PSI	WWP
'B'	007	ZEROFLEX	UL/FM	APPROVED	WITH LT.	WALL	PIPE	ROLL	GROOVE	400	PSI	WWP
'C'	77	UL/FM	APPROVED	WITH LT.	WALL	PIPE	ROLL	GROOVE	450	PSI	WWP	
'D'	75	UL/FM	APPROVED	WITH LT.	WALL	PIPE	ROLL	GROOVE	450	PSI	WWP	

GENERAL NOTE:

1. FITTINGS AND PRESSURE RATINGS ARE UL LISTED  
REFER TO MANUFACTURER FOR FACTORY MUTUAL  
APPROVED FITTING PRESSURE RATING.

[illegible]

SCHEDULE OF SPRINKLER HEADS											
SYMBOL	MANUFACTURER & MODEL No.	TYPE	LOCATION	FINISH & REMARKS	TEMP. RATING	'K' FACTOR	SP. HD. COVERAGE	ORIFICE	MIN. FLOW	MIN. PRESS.	APPROVALS
⊙	*VIKING* MODEL VK3021 QUICK RESPONSE RECESSED NP-2	RECESSED PENDENT	FINISHED CEILINGS WHERE INDICATED ON PLANS	AS APPROVED BY ARCHITECT	155°	5.6	UP TO 15'X15'	1/2"	0.10 GPM/ SQ. FT.	7#	FM CLASS 2015, 2017, & 2043
○	*VIKING* MICROFAST MODEL VK300 QUICK RESPONSE UPRIGHT	UPRIGHT	EXPOSED CEILINGS INDICATED ON PLANS	AS APPROVED BY ARCHITECT	155°	5.6	UP TO 15'X15'	1/2"	0.20 GPM/ SQ. FT.	7#	FM CLASS 2002 & 2020
◁	*VIKING* MICROFAST MODEL VK305 QUICK RESPONSE HORIZONTAL SIDEWALL	EXPOSED SIDEWALL	TEL/DATA ROOM	AS APPROVED BY ARCHITECT	155°	5.6	UP TO 14'X14'	1/2"	0.20 GPM/ SQ. FT.	7#	FM CLASS 2020
<div><div><div><u>NOTES:</u></div><div><div>1. SPRINKLER HEADS SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS.</div><div>2. PROVIDE METAL WIRE GUARDS WHERE SPRINKLERS ARE SUBJECT TO DAMAGE, SUCH AS SPRINKLER HEADS LOCATED UNDER HVAC DUCTS IN MECHANICAL EQUIPMENT ROOMS WHEN LOCATED LOWER THAN 7'-0" A.F.F.</div></div></div><div><div>3. ALL SPRINKLER HEADS THROUGHOUT THE FACILITY SHALL BE OF THE ORDINARY TEMPERATURE RATING EXCEPT AS FOLLOWS:</div><div><div>a. SPRINKLER HEADS LOCATED CLOSE TO HEATERS, STEAM PIPING OR LOW-PRESSURE BLOW-OFF VALVE SHALL BE OF THE TEMPERATURE RATING AS REQUIRED BY NFPA 13.</div><div>b. ALL HEAT GENERATING EQUIPMENT WHICH CAN AFFECT THE TEMPERATURE RATING OF THE SPRINKLER HEADS SHALL BE CLEARLY IDENTIFIED ON THE SHOP DRAWINGS PRIOR TO SUBMISSION FOR APPROVAL.</div></div></div><div><div>4. SPRINKLER HEADS MINIMUM FLOW &amp; MINIMUM PRESSURE REQUIREMENTS TO BE BASED ON HYDRAULIC CALCULATION DESIGN DENSITIES.</div><div><div>5. ALL SPRINKLER HEAD FINISHES TO BE APPROVED BY ARCHITECT.</div><div>6. COORDINATE ALL SPRINKLER COLOR FINISHES WITH ARCHITECT. SEE ARCHITECTURAL REFLECTED CEILING NOTES.</div></div></div></div>											

[illegible]

## ABBREVIATIONS

N.R.S.— NON-RISING STEM  
AWWA— AMERICAN WATER WORKS ASSOCIATIONS  
BS&A— N.Y.C. BOARD OF STANDARDS AND APPEALS  
MEA— N.Y.C. MATERIAL AND ACCEPTANCE DIVISION

**MANUFACTURE KEY**  
 N = NIBCO BALANCE OF VALVES LISTED  
 M = MILWAUKEE BUTTERFLY VALVES through 2 1/2" ONLY (BBHSC02 SERIES)  
 FOR FIRE SPRINKLER SYSTEM  
 V = VICTAULIC FIRELOCK BUTTERFLY VALVE (FOR FIRE SPRINKLER SYSTEM)  
 C = CRANE CAST STEEL GATE & CHECK VALVES (FIGS 175,76)

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.

Alterations or additions to this engineering document by an unlicensed person is a violation of Chapter 16, Title VIII, Article 145 § 7209.2 of the New York State Education Law.

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