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Building #17
Campus Expansion Child
Day-care Center

899 Old Saw Mill River Road
Mount Pleasant, NY 10591

Project No. B17-DAYCARE

Architect

Genler

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Structural Engineer

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MEP / IT / Security Engineer

Cosentini Associates

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Civil Engineer

JMC

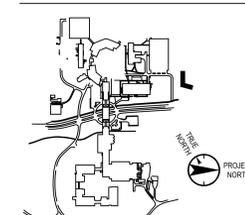
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Landscape Architect

Langan

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Key Plan



No.	Date	Description
0	05/20/2022	ISSUED FOR PERMIT
1	06/22/2022	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-600

SCHEDULE 40 PIPE - VICTAULIC COUPLING & FITTING SCHEDULE				SPECIFICATIONS												SERVICE & LOCATION				SEE NOTES														
COUPLINGS	VICTAULIC FTG. No.	SIZE	TYPE	GROOVED	HOLE CUT	PIT	PLAIN END	VIC RING	150#WMP	175#WMP	200#WMP	250#WMP	300#WMP	350#WMP	400#WMP NOTE A	450#WMP NOTE B & D	500#WMP NOTE B & C	600#WMP	700#WMP	750#WMP	REFER TO GENERAL NOTE #1	REQUIRED	SPKR SYSTEM	FSP	IN-COMING SERVICE	RISERS	HORIZONTAL RUN	NOT PERMITTED	SEISMIC REQUIREMENTS	EXPANSION JOINTS				
					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	•																														
TEST & DRAIN	720	1 1/4"-2"	GROOVED ENDS																															
FITTINGS	-	-	-																															
	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																															
927	-	-																																
27	-	STANDPIPE VALVE TEE																																

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

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

FIRE PROTECTION MATERIAL SCHEDULE																			
SYSTEM	PIPE	FITTINGS	JOINTS	REQUIRED															
	TYPE 'K' OR 'L' COPPER TUBING	DUCTILE IRON	CAST IRON W/FR PIPE	STEEL SCHED 10	STEEL SCHED 20	STEEL SCHED 40	BLACK	GALVANIZED	CEMENT LINED	MALLEABLE IRON	CLASS D	BLACK	GALVANIZED	DUCTILE IRON	WROUGHT COPPER	MECH JOINT-FLANGED	VICTAULIC	CAULKED	BRAZED
BURIED BUILDING FIRE SERVICE																			
FIRE STANDPIPE																			
SPRINKLER (SEE NOTE 3)																			
SPRINKLER (SEE NOTE 4)																			
SPRINKLER DRAIN PIPE																			
DRY SPRINKLER																			
PRE-ACTION SPRINKLER (SEE NOTE 5)																			

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" MDEL 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 MDEL 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 MDEL 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

NOTES:
 1. SPRINKLER HEADS SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS.
 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.
 3. ALL SPRINKLER HEADS THROUGHOUT THE FACILITY SHALL BE OF THE ORDINARY TEMPERATURE RATING EXCEPT AS FOLLOWS:
 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.
 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.
 4. SPRINKLER HEADS MINIMUM FLOW & MINIMUM PRESSURE REQUIREMENTS TO BE BASED ON HYDRAULIC CALCULATION DESIGN DENSITIES.
 5. ALL SPRINKLER HEAD FINISHES TO BE APPROVED BY ARCHITECT.
 6. COORDINATE ALL SPRINKLER COLOR FINISHES WITH ARCHITECT. SEE ARCHITECTURAL REFLECTED CEILING NOTES.

FIRE PROTECTION VALVE SCHEDULE																																					
TYPE	MANUFACTURER	FIG. NO.	SIZE	VALVE SPECIFICATION																																	
				THREAD	FLANGED	GROOVED	GATE VALVES	N.R.S.	BRONZE B-61	BRONZE B-62	CAST IRON A-126	CAST STEEL A-216	RESILIENT WEDGE	MECHANICAL JOINT	DUCTILE IRON A-536	UL/FM	NFC BSA/NEA	UL LISTED FOR TRIM & DRAIN	INDICATOR POST	WALL POST	75# WWP	200# WWP	300# WWP	350# WWP	400# WWP	500# WWP	600# WWP	750# WWP	1000# WWP	1480# WWP							
GATE VALVES	N	T-104-0	1/2"-2"	•																																	
	N	F-607-RW	2 1/2"-12"	•																																	
	N	M-609-RW	4"-12"	•																																	
	N	F-609-RW	4"-12"	•																																	