

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

EMERGENCY RADIO COMMUNICATION ENHANCEMENT SYSTEMS EQUIPMENT & DEVICES		
ERCES	EMERGENCY RADIO COMMUNICATION ENHANCEMENT SYSTEMS	RADIO SOLUTIONS INC. BDA SYSTEMS SPECIFICATIONS: SB400M2A-1-UL FREQUENCY RANGE: 450-490MHz UHF PASSBAND: 100kHz - 30kHz NEMA-4 (UL TYPE-4) ENCLOSURE: 20.55" Wx24" Hx8.32" D - TOTAL WIDTH INCLUDING HEATSINKS: 23.22" - TOTAL HEIGHT INCLUDING MOUNTING TABS: 26.22"
ERRA	EMERGENCY RADIO COMMUNICATION ENHANCEMENT SYSTEMS REMOTE ANNUNCIATOR	
DA	ERCES DONOR ANTENNA (EXTERIOR DAS ANTENNA)	RADIO SOLUTIONS INC. BDA SYSTEMS MODEL # DA-465490-1 CAT. # BDA-DA-465490-1
DAS	ERCES ULTRA-WIDEBAND DAS ANTENNA (INDOOR DAS ANTENNA)	RADIO SOLUTIONS INC. BDA SYSTEMS MODEL # LPA-4502700-1 CAT. # BDA-LPA-4502700-1
DC	ERCES DIRECTION COUPLER	

FIRE PROTECTIVE ALARM SYSTEM SOUNDING AND VISUAL DEVICES		
ST	HORN WITH INTEGRAL VISUAL DEVICE	SYMBOLS, AS SHOWN, REPRESENT FLUSH MOUNTED WALL DEVICES UNLESS SPECIFICALLY NOTED OTHERWISE.
ST	HORN WITH INTEGRAL VISUAL DEVICE CEILING MOUNTED	INTENSITY OF VISUAL DEVICE SHALL BE 75 CD
ST	HORN WITH INTEGRAL VISUAL DEVICE WALL MOUNTED	SUBSCRIPT UPPER CASE LETTERS DENOTE THE FOLLOWING: WP - WEATHERPROOF
ST	VISUAL STROBE, WALL MOUNTED	
ST	VISUAL STROBE, CEILING MOUNTED	

FIRE PROTECTIVE ALARM SYSTEM EQUIPMENT & DEVICES		
FCS	FIRE ALARM CONTROL PANEL	
RA	FIRE ALARM REMOTE ANNUNCIATOR	

CONTRACTOR TO FURNISH AND INSTALL AN APPROVED EMERGENCY RESPONDER RADIO SYSTEM IN ACCORDANCE WITH CHAPTER 5 SECTION 510 OF THE NEW YORK STATE FIRE CODE 2020 EDITION.

EMERGENCY RESPONDER RADIO SYSTEM SHALL BE AS MANUFACTURED BY SIEMENS.

FIRE PROTECTIVE ALARM SYSTEM ADDRESSABLE MODULE BOXES	
CT1	ADDRESSABLE SINGLE INPUT MODULE
CT2	ADDRESSABLE DUAL INPUT MODULE

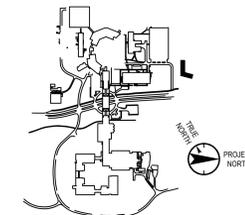
ACTUATING DEVICES	
F	MANUAL FIRE ALARM ACTUATING DEVICE OR STATION PROVIDE CLEAR PROTECTIVE COVER OVER EACH MANUAL PULL STATION
WF	WATERFLOW DETECTOR
TS	TAMPER SWITCH
GR	GENERATOR RUNNING RELAY CONTACTS
GF	GENERATOR FAILURE TO START RELAY CONTACTS
GL	GENERATOR LOW FUEL RELAY CONTACTS
Ⓢ	ADDRESSABLE SMOKE DETECTOR
Ⓢ	ADDRESSABLE DUCT DETECTOR WITH SAMPLING TUBE AND REMOTE ALARM LED

ABBREVIATIONS (THIS LIST OF ABBREVIATIONS DOES NOT APPLY TO ANY LETTERS USED IN CONJUNCTION WITH SYMBOLS)			
A	- AMPS	MISC	- MISCELLANEOUS
AC	- ALTERNATING CURRENT	MTD	- MOUNTED
ADJ	- ADJACENT	MTR	- MOTOR
AFD	- AUTOMATIC FIRE DETECTION	N	- NEUTRAL
AFI	- ABOVE FINISHED FLOOR	NEC	- NATIONAL ELECTRICAL CODE
AFG	- ABOVE FINISHED GRADE	NEMA	- NATIONAL ELECTRICAL MANUFACTURERS ASSOC.
AIR COND	- AIR CONDITIONING	OL	- OVERLOAD
AP	- APPLIANCE PANEL	P	- POLES
ARCH	- ARCHITECTURAL	PB	- PULL BOX
ASYM	- ASYMMETRICAL	PC	- PULL CHAIN
AUTO	- AUTOMATIC	PF	- POWER FACTOR
AVG	- AVERAGE	PG	- PAGING
BL	- BLANK	PH	- PHASE
BLDG	- BUILDING	PLB	- PLUMBING
C	- CONDUIT	PNL	- PANEL
CAB	- CAB	PP	- POWER PANEL
CD	- CANDELA	RC	- REMOTE CONTROL
CAT	- CATALOGUE	REC	- RECEPTACLE
CEL	- CELLAR	REQ	- REQUIRED
CKT	- CIRCUIT	RFP	- ROOF
CL	- CLOCK	RM	- ROOM
CLG	- CEILING	RMS	- ROOT MEAN SQUARE
CLOS	- CLOSE	S	- SOUND
CM	- CIRCULAR MIL	SC	- SQUIRREL CAGE
COL	- COLUMN	SO	- SOUTH
CONC	- CONCRETE	SP	- SPARE
CONST	- CONSTRUCTION	SPECS	- SPECIFICATIONS
CONT	- CONTINUOUS	SPKLR	- SPEAKER
CONV	- CONVENIENCE	SR	- SPRINKLER
CS	- CABLE SUPPORT	STD	- STANDARD
CU	- CUBIC	SURF	- SURFACE
DC	- DIRECT CURRENT	SW	- SWITCH
DA	- DIAMETER	SWBD	- SWITCHBOARD
DN	- DOWN	SYM	- SYMMETRICAL
DP	- DISTRIBUTION PANEL	TEL	- TELEPHONE
DTL	- DETAIL	TELCO	- TELEPHONE CO.
DWG	- DRAWING	TYP	- TYPICAL
EA	- EAST	V	- VOLTS
EC	- EMPTY CONDUIT	VENT	- VENTILATING
EL	- ELEVATION	VERT	- VERTICAL
ELEC	- ELECTRIC	VP	- VAPORPROOF
ELEV	- ELEVATOR	W	- WATTS
EM	- ON EMERGENCY CIRCUIT	WE	- WEST
ENTR	- ENTRANCE	WGD	- WITH GUARD
EP	- EXPLOSION PROOF	WP	- WEATHERPROOF
EQ	- EQUAL	WT	- WIRING TROUGH
EQPMT	- EQUIPMENT	XMR	- TRANSFORMER
EXIST	- EXISTING		
F	- FLOOR	# (UNRELA -	- WIRE GAUGE NUMBER
FA	- FIRE ALARM	TED TO	- OTHER WORDS)
FDR	- FEEDER	Ø	- PHASE
FN	- FINISH	FIB	- FUSED AT
FXIT	- FIXTURE	C	- CENTER LINE
FL	- FLUSH	CIC	- OVERCURRENT
FLUOR	- FLUORESCENT	C/C	- CENTER TO CENTER
FSTP	- FIRE-STANDPIPE	1C/2C	- ONE CONDUCTOR
FT	- FEET	3C	- TWO CONDUCTORS, ETC.
GA	- GAUGE		
GALV	- GALVANIZED		
GD	- GROUND		
H	- HERMETIC		
HC	- HUNG CEILING		
HGT	- HEIGHT		
HOR	- HORIZONTAL		
HP	- HORSEPOWER		
IN	- INCHES		
INT	- INTERCOM		
JB	- JUNCTION BOX		
LS	- LOUSPEAKER		
LT	- LOW TENSION		
LTG	- LIGHTING		
M	- MAIN		
MA	- MILLIAMPS		
MCM	- THOUSAND CIRCULAR MILS		

**FIRE ALARM DRAWING LIST**

SHEET NUMBER	SHEET NAME
FA-001	FIRE ALARM GENERAL NOTES, SYMBOLS, AND DRAWING LIST
FA-100	FIRE ALARM PLAN - 1ST FLOOR
FA-101	FIRE ALARM PLAN - ROOF
FA-500	FIRE ALARM DETAIL SHEET AND RISER DIAGRAM

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

ALL DRAWINGS AND WRITTEN MATERIALS REPRESENTED ON THIS SHEET CONSTITUTE THE COPYRIGHTED WORK AND ARE THE SOLE PROPERTY OF REGENERON PHARMACEUTICALS. THIS SHEET MAY NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART, AND ANY PART OF THE DRAWING OR WRITTEN MATERIALS APPEARING HEREON, BE REPRODUCED OR COPIED IN WHOLE OR IN PART FOR ANY REASON WITHOUT THE WRITTEN CONSENT OF REGENERON PHARMACEUTICALS. THIS SHEET SHALL BE RETURNED TO THE REQUESTOR BY REGENERON PHARMACEUTICALS. IF REGENERON MAKES OR AUTHORIZES RELEASE OF ANY SUCH DOCUMENTS OR INFORMATION PROVIDED BY DESIGN PROFESSIONALS OUTSIDE OF THE PROJECT WITHOUT THE EXPRESS WRITTEN CONSENT OF DESIGN PROFESSIONALS, REGENERON ASSUMES FULL RESPONSIBILITY FOR ANY AND ALL RISKS INVOLVED IN SUCH RELEASE.

Professional Seal and Signature

Vendor Name: COSENTINI  
Vendor Project No.: 210104  
Discipline: FireAlarm Drawn By: AI

**FIRE ALARM**  
**SYMBOLS, GENERAL NOTES,**  
**AND DRAWING LIST**

Scale: NTS Floor:

**FA-001**

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.

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

777 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 10021  
(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

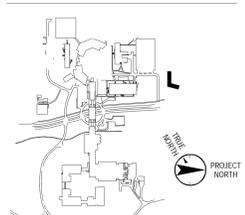
**Civil Engineer**

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

**Plot Date:** 07.01.2022

ALL DRAWINGS AND WRITTEN MATERIALS REPRESENTED ON THIS SHEET CONSTITUTE THE CORRECTED WORK AND ARE THE SOLE PROPERTY OF REGENERON PHARMACEUTICALS. THIS SHEET MAY NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART, NOR MAY ANY OF THE DRAWINGS OR WRITTEN MATERIALS BE REPRODUCED OR COPIED FOR ANY OTHER WORK OR ANY REASON WITHOUT THE WRITTEN CONSENT OF REGENERON PHARMACEUTICALS. THE SHEET IS NOT TO BE USED FOR ANY OTHER PROJECT OR PURPOSE OF REGENERON PHARMACEUTICALS. IF REGENERON NAMES OR AUTHORIZES ANY OF ITS AGENTS OR CONSULTANTS TO PREPARE OR PROVIDE PROFESSIONAL SERVICES FOR THE PROJECT WITHOUT THE EXPRESS WRITTEN CONSENT OF REGENERON PHARMACEUTICALS, REGENERON ASSUMES FULL RESPONSIBILITY FOR ANY AND ALL RISKS INVOLVED IN SUCH RELEASE.

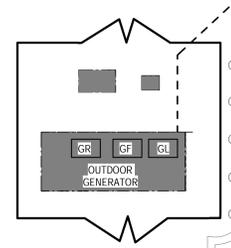
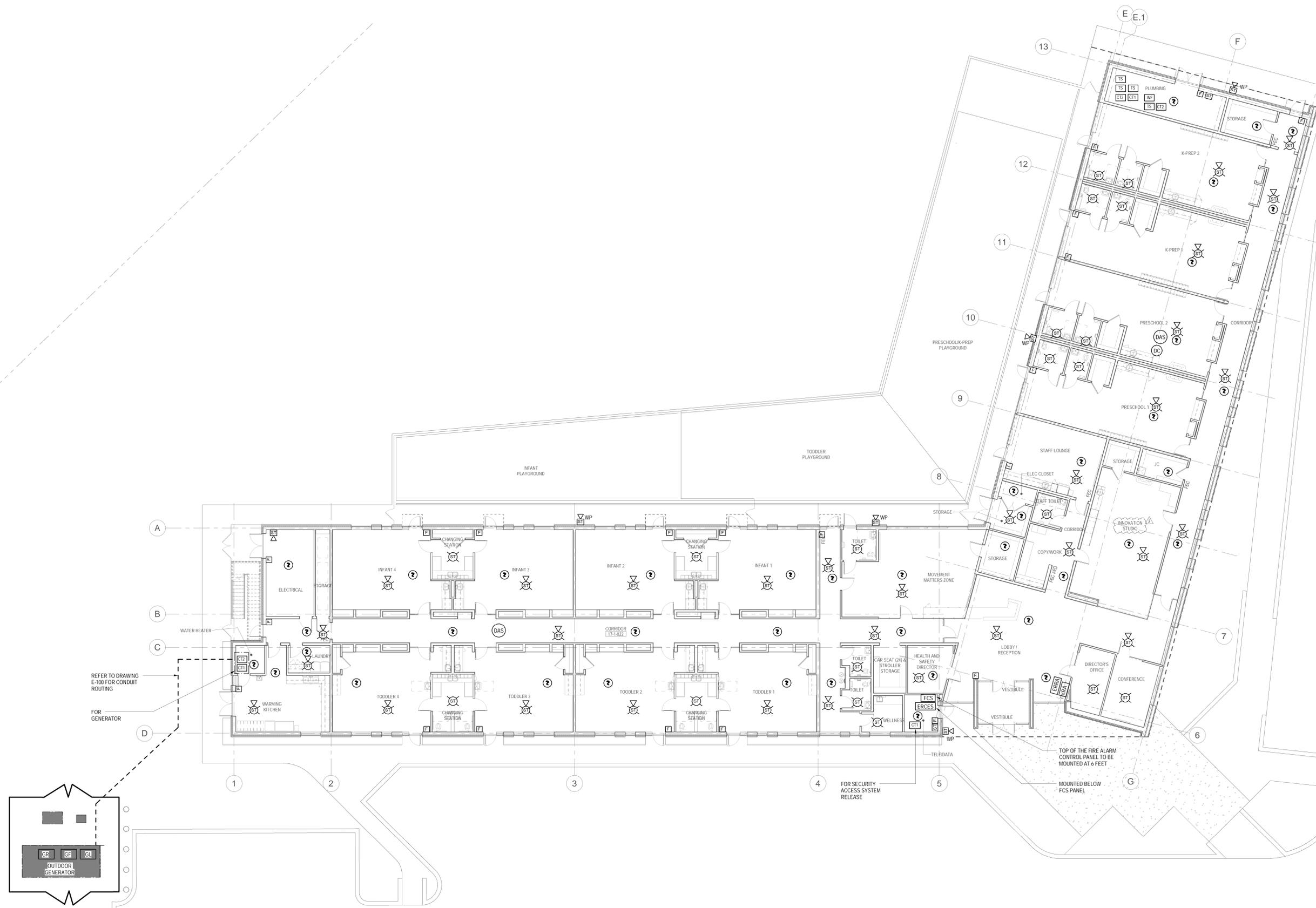
**Professional Seal and Signature**

Vendor Name: COSENTINI  
Vendor Project No.: 210104  
Discipline: FireAlarm Drawn By: AI

**FIRE ALARM PLAN - 1ST FLOOR**

Scale: 1/8" = 1'-0" Floor:

**FA-100**



REFER TO DRAWING E-100 FOR CONDUIT ROUTING FOR GENERATOR

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.

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

777 Old Saw Mill River Road  
Mount Pleasant, NY 10591

Project No. B17-DAYCARE

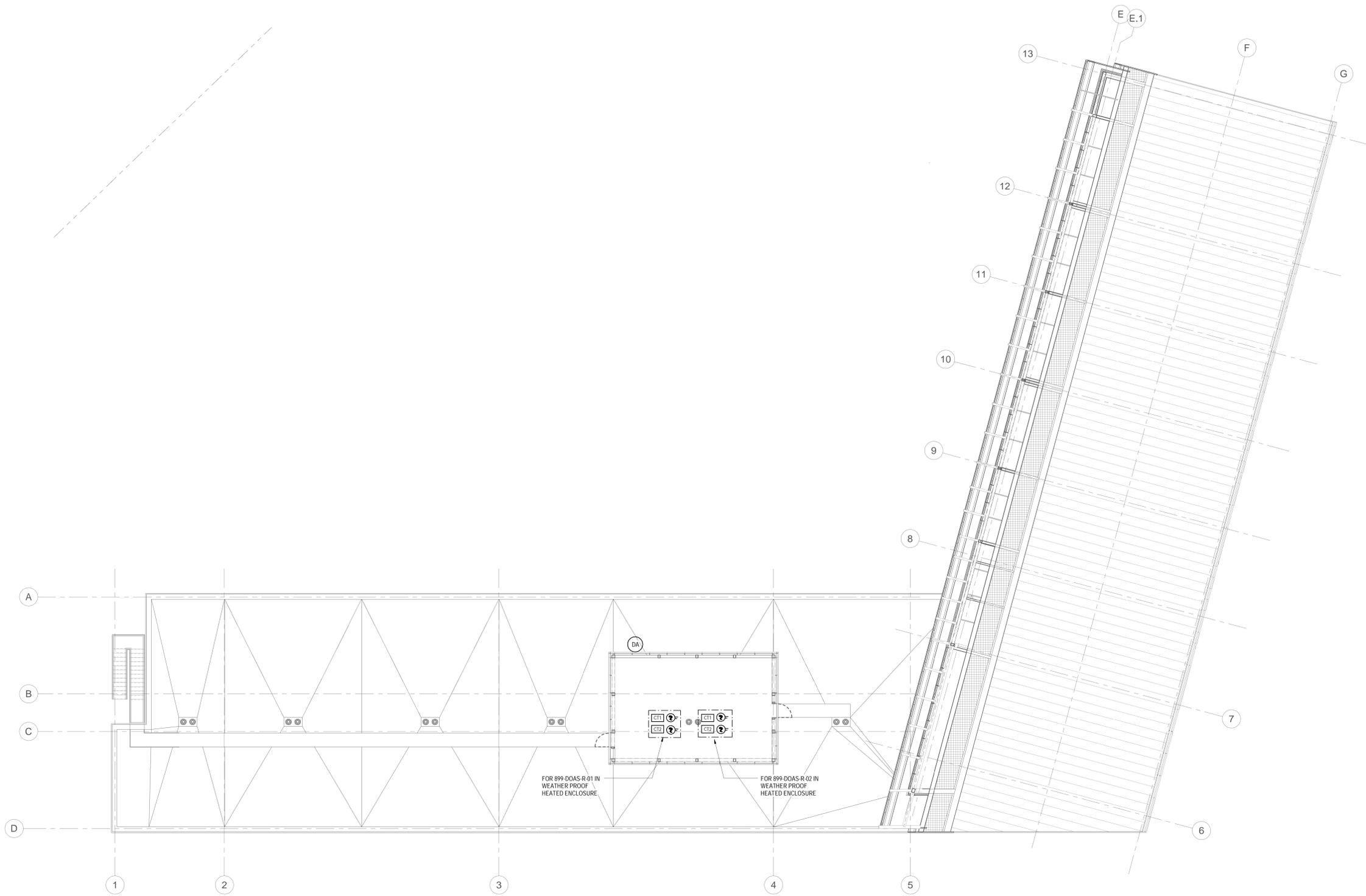
Architect  
**Gensler**  
1700 Broadway, Suite 400  
New York, NY 10019  
(212) 492-1400 Phone  
(212) 492-1472 Fax

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

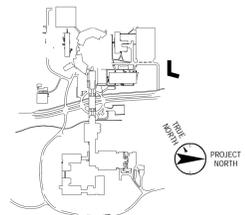
MEP / IT / Security Engineer  
Cosentini Associates  
498 Seventh Avenue  
New York, NY 10018  
(212) 615-3800 Phone  
(212) 615-3700 Fax

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

Plot Date: 07.01.2022  
ALL DRAWINGS AND WRITTEN MATERIALS REPRESENTED ON THIS SHEET CONSTITUTE THE PROPERTY OF REGENERON PHARMACEUTICALS. THIS SHEET MAY NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART, NOR MAY ANY OF THE DRAWINGS OR WRITTEN MATERIALS BE REPRODUCED OR COPIED FOR ANY OTHER WORK FOR ANY REASON WITHOUT THE WRITTEN CONSENT OF REGENERON PHARMACEUTICALS. THE SHEET SHALL BE RETURNED TO THE PROJECT MANAGER OF REGENERON PHARMACEUTICALS. IF AS AN INDIVIDUAL OR AUTHORIZED AGENT OF ANY SUCH DOCUMENT OR INFORMATION PRODUCED BY SUCH PROFESSIONAL OFFICE OF THE PROJECT WITHOUT THE EXPRESS WRITTEN CONSENT OF PERSONAL PROFESSIONAL, REGENERON ASSUMES FULL RESPONSIBILITY FOR ANY AND ALL RISKS INVOLVED IN SUCH REUSE.

Professional Seal and Signature

Vendor Name: COSENTINI  
Vendor Project No.: 210104  
Discipline: FireAlarm Drawn By: AI  
**FIRE ALARM PLAN - ROOF**

Scale: 1/8" = 1'-0" Floor:

**FA-101**

TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, THESE PLANS AND SPECIFICATION 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.

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 10021  
(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

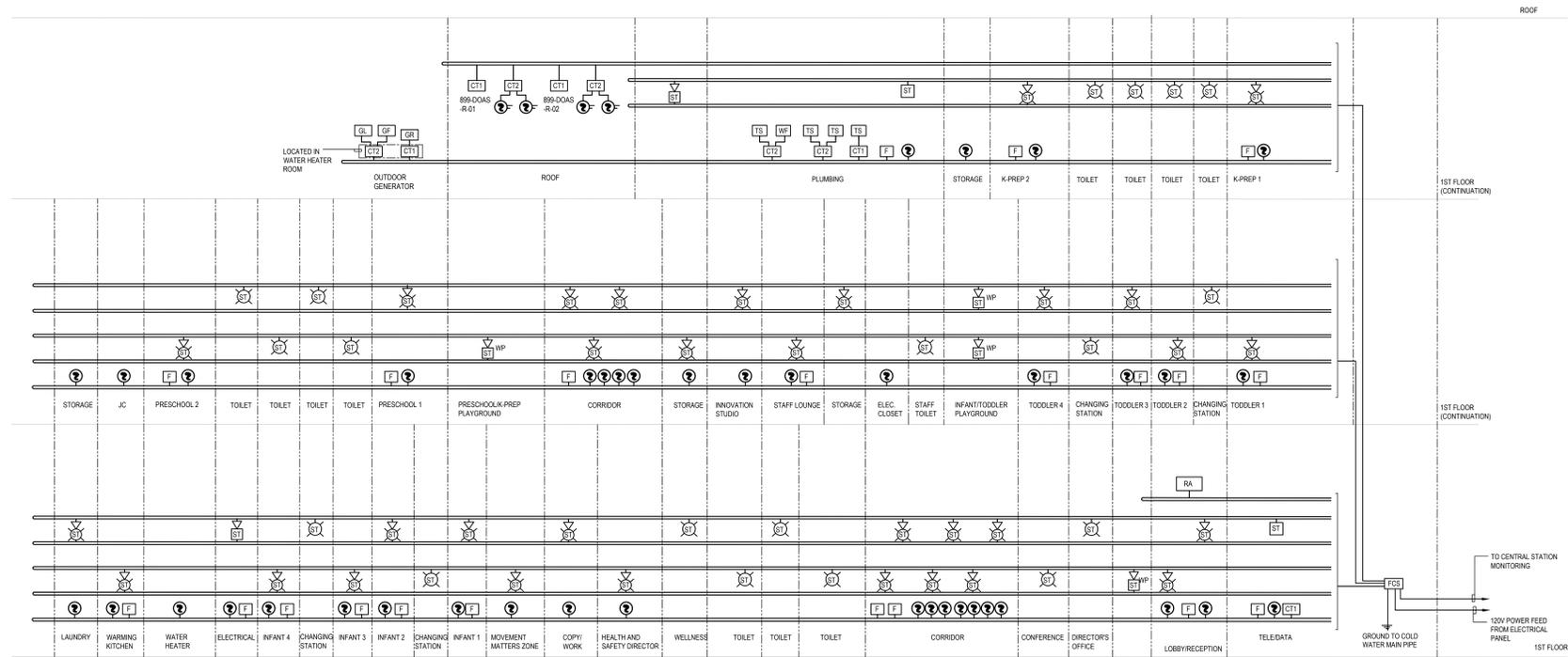
JMC

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

Landscape Architect

Langan

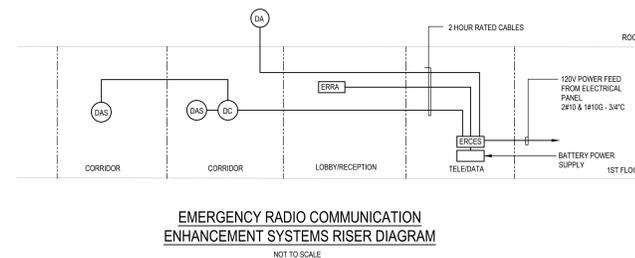
21 Penn Plaza, 360 West 31st Street, 8th Floor  
New York, NY 10001  
(212) 479-5400 Phone  
(212) 479-5444 Fax



**FIRE ALARM RISER DIAGRAM**

NOT TO SCALE

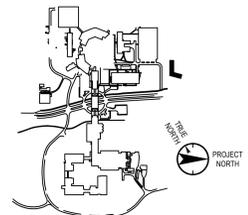
SYSTEM INPUTS		FIRE ALARM SYSTEM OPERATION MATRIX (TEMPORAL-3 SYSTEM)																		
		CONTROL UNIT ANNUNCIATION						OUTPUT DESCRIPTION						NOTIFICATION					REQUIRED FIRE SAFETY CONTROL	
No.	INPUT DESCRIPTION	A	B	C	D	E	F	G	H	I	J	K	L	M	P	Q	No.			
1	AREA SMOKE DETECTOR	X	X					X	X	X				X	X	X	1			
2	MANUAL PULL STATION	X	X					X	X	X				X	X	X	2			
3	DUCT SMOKE DETECTOR	X	X					X	X	X				X	X	X	3			
4	WATERFLOW	X	X					X	X	X	X			X	X	X	4			
5	SPRINKLER CONTROL VALVE / TAMPER SWITCH			X	X			X				X					5			
6	FIRE ALARM AC FAILURE					X	X	X					X				6			
7	FIRE ALARM SYSTEM LOW BATTERY					X	X	X					X				7			
8	OPERATION WIRING OR COMPONENT FAULT					X	X	X					X				8			
9	GENERATOR MONITORING DEVICES			X	X			X			X						9			
10	ACTIVATION FIREMAN'S SERVICE KEY			X	X			X						X			10			
		A	B	C	D	E	F	G	H	I	J	K	L	M	P	Q				



**EMERGENCY RADIO COMMUNICATION ENHANCEMENT SYSTEMS RISER DIAGRAM**

NOT TO SCALE

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  
ALL DRAWINGS AND WRITTEN MATERIALS REPRESENTED ON THIS SHEET CONSTITUTE THE COPYRIGHTED WORK AND ARE THE SOLE PROPERTY OF REGENERON PHARMACEUTICALS. THIS SHEET MAY NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART, AND ANY PART OF THE DRAWING OR WRITTEN MATERIALS APPEARING HEREON, BE REPRODUCED OR COPIED IN WHOLE OR IN PART, WITHOUT THE WRITTEN CONSENT OF REGENERON PHARMACEUTICALS. THIS SHEET HAS BEEN SUBMITTED UNDER THE REGISTRY OF REGENERON PHARMACEUTICALS. IF REGENERON MAKES OR AUTHORIZES REUSE OF ANY SUCH DOCUMENTS OR INFORMATION PROVIDED BY DESIGN PROFESSIONALS OUTSIDE OF THE PROJECT WITHOUT THE EXPRESS WRITTEN CONSENT OF DESIGN PROFESSIONALS, REGENERON ASSUMES FULL RESPONSIBILITY FOR ANY AND ALL RISKS INVOLVED IN SUCH REUSE.

Professional Seal and Signature

Vendor Name: COSENTINI  
Vendor Project No.: 210104  
Discipline: Fire Alarm Drawn By: AI

**FIRE ALARM DETAIL SHEET AND RISER DIAGRAM**

Scale: NTS Floor:

**FA-500**

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.