



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

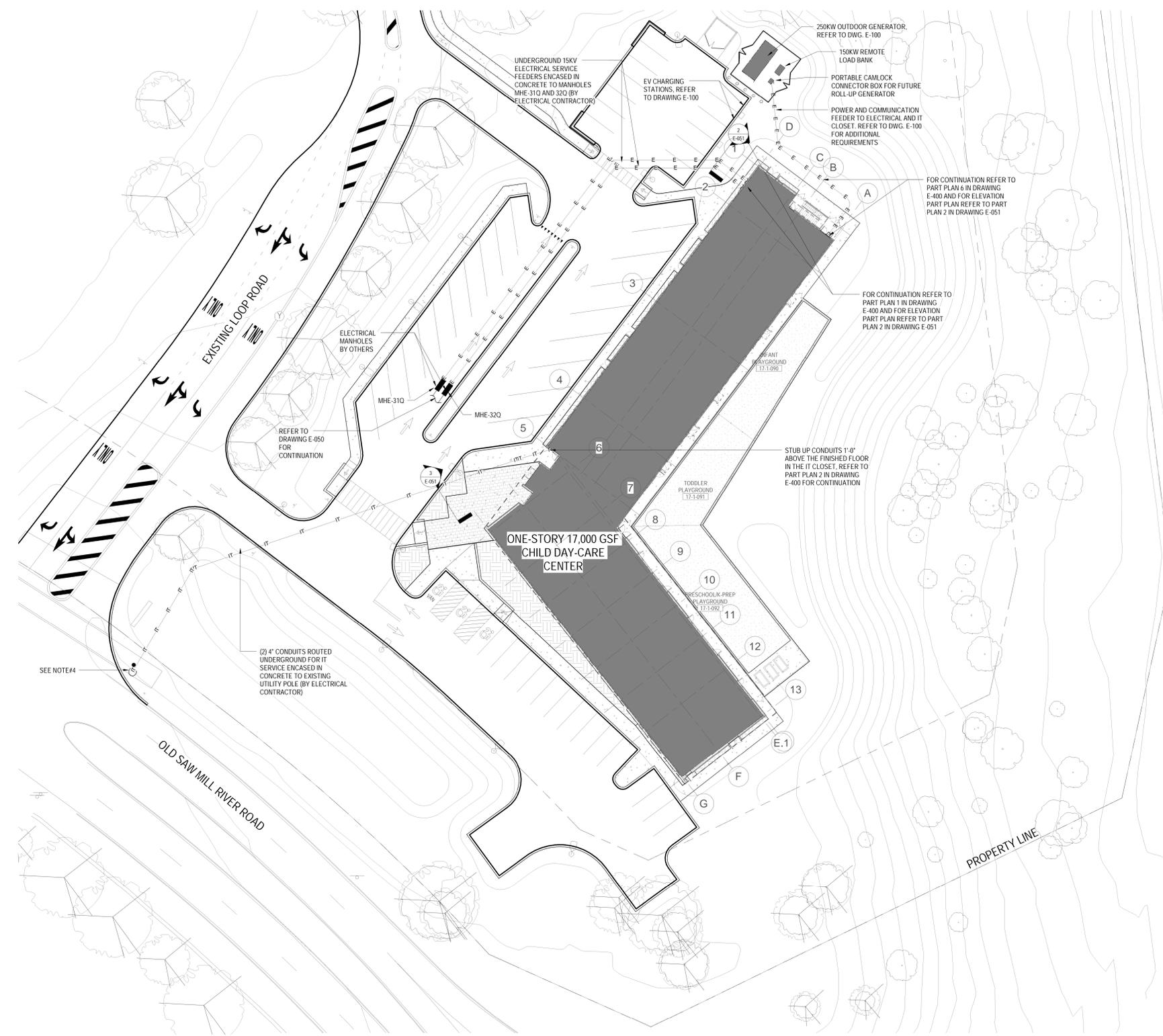
Architect  
**Gensler**  
1700 Broadway, Suite 400  
New York, NY 10019  
(212) 492-1400 Phone  
(212) 492-1472 Fax

Structural Engineer  
Thornton Tomasetti  
120 Broadway, 15th Floor  
New York, NY 10021  
(917) 661-7800 Phone  
(917) 661-7801 Fax

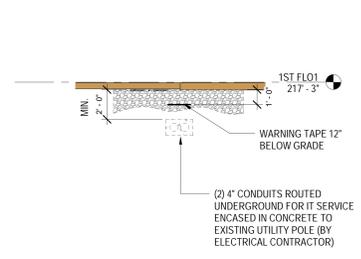
MEP / IT / Security Engineer  
Cosentini Associates  
498 Seventh Avenue  
New York, NY 10018  
(212) 615-3600 Phone  
(212) 615-3700 Fax

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

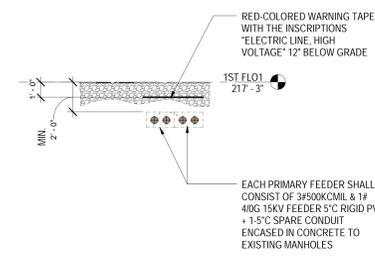


1 SITE POWER PLAN  
1" = 20'-0"



NOTES:  
1. PROVIDE ORANGE-COLORED WARNING TAPE WITH THE INSCRIPTIONS "TELEPHONE CABLE, CATV CABLE, COMMUNICATIONS CABLE, OPTICAL FIBER CABLE". TAPE SHALL BE 1'-0" ABOVE ENCASED CONCRETE. REFER TO SPECIFICATION 26-04-53 FOR ADDITIONAL INFORMATION.

3 UNDERGROUND CONDUIT IT SERVICE DETAIL  
1/4" = 1'-0"



NOTES:  
1. PROVIDE RED-COLORED WARNING TAPE WITH THE INSCRIPTIONS "ELECTRIC LINE, HIGH VOLTAGE". TAPE SHALL BE 1'-0" ABOVE ENCASED CONCRETE. REFER TO SPECIFICATION 26-04-53 FOR ADDITIONAL INFORMATION.

2 UNDERGROUND CONDUIT DUCT BANK DETAIL  
1/4" = 1'-0"

- NOTES:
- COORDINATE EXCAVATION AND BACKFILL FOR UNDERGROUND EXTERIOR CONDUITS WITH GENERAL CONTRACTOR.
  - ALL UNDERGROUND CONDUITS SHALL BE RIGID GALVANIZED CONDUIT PVC COATED WITH THREADED FITTINGS, UNLESS SPECIFIED ELSEWHERE.
  - ALL UNDERGROUND CONDUITS TO BE INSTALLED 24" BELOW GRADE. REFER TO DETAILS ON DRAWING THIS DRAWING.
  - CONTRACTOR TO STUB-UP IT CONDUITS TO 8'-0" A.F.F. TO THE POLE UNLESS DIRECTED OTHERWISE.

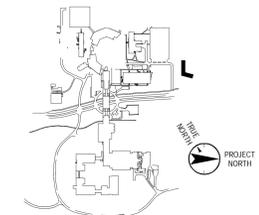
**REFER TO CIVIL ENGINEERS DRAWINGS C-300 FOR PROPOSED ELECTRICAL SERVICE ROUTING**

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.

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 CONTRACT DOCUMENTS FOR THE PROJECT. THE USER HEREBY AGREES TO HOLD REGENERON PHARMACEUTICALS, INC. (REGENERON) HARMLESS FROM AND AGAINST ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES, INCLUDING REASONABLE ATTORNEY'S FEES, INCURRED BY REGENERON PHARMACEUTICALS, INC. OR ANY OF ITS AFFILIATES, AGENTS, CONTRACTORS, SUBCONTRACTORS, OR OTHERS, IN CONNECTION WITH THE PROJECT, WHETHER SUCH CLAIMS, DAMAGES, LOSSES AND EXPENSES ARE CAUSED IN WHOLE OR IN PART BY NEGLIGENCE, ACTIVE OR PASSIVE NEGLIGENCE, OR OTHERWISE. REGENERON PHARMACEUTICALS, INC. ASSUMES NO LIABILITY FOR ANY AND ALL RISKS INVOLVED IN THIS USE.

Professional Seal and Signature

Vendor Name: COSENTINI  
Vendor Project No.: 210104  
Discipline: Electrical Drawn By: AI  
**ELECTRICAL SITE PLAN**

Scale: As indicated Floor:

**E-051**

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

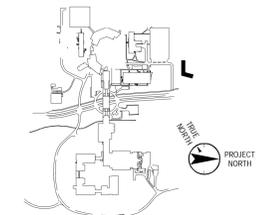
Structural Engineer  
Thornton Tomasetti  
120 Broadway, 15th Floor  
New York, NY 10021  
(917) 661-7800 Phone  
(917) 661-7801 Fax

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

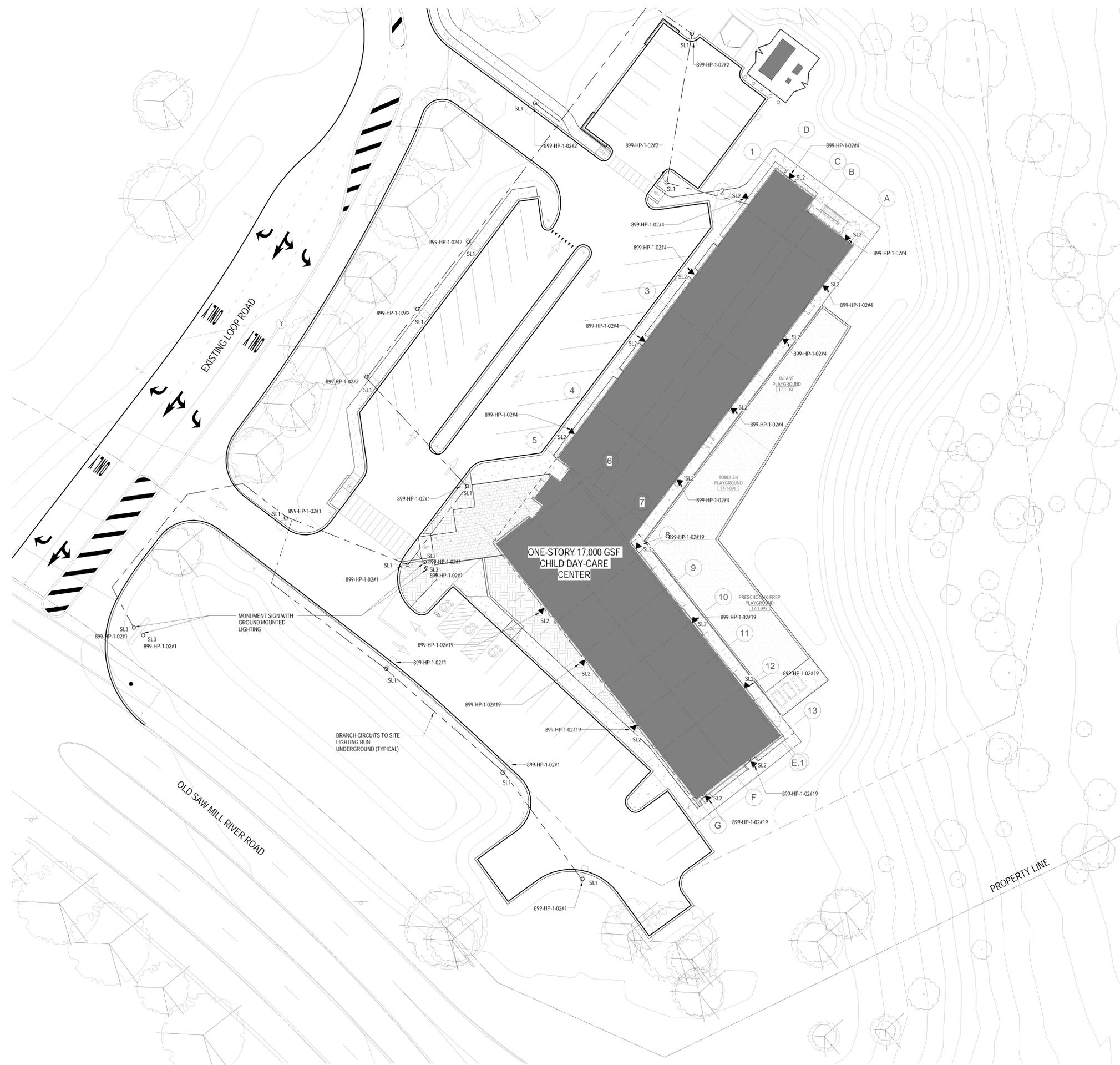
Plot Date: 07.01.2022  
ALL DRAWINGS AND WRITTEN MATERIALS REPRESENTED ON THIS SHEET CONSTITUTE THE OFFICIAL RECORD FOR THE SITE PROPERTY OF REGENERON PHARMACEUTICALS. THESE SHEETS MAY NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART, NOR MAY ANY OF THE DRAWINGS BE REPRODUCED OR COPIED IN WHOLE OR IN PART, WITHOUT THE WRITTEN CONSENT OF REGENERON PHARMACEUTICALS. ANY REPRODUCTION OR COPIING WITHOUT THE WRITTEN CONSENT OF REGENERON PHARMACEUTICALS IS A VIOLATION OF FEDERAL AND STATE LAWS AND MAY BE SUBJECT TO CIVIL AND CRIMINAL PENALTIES. REGENERON PHARMACEUTICALS ASSUMES NO LIABILITY FOR ANY AND ALL RISKS INVOLVED IN SUCH REUSE.

Professional Seal and Signature

Vendor Name: COSENTINI  
Vendor Project No.: 210104  
Discipline: Electrical Drawn By: AI  
**ELECTRICAL SITE LIGHTING PLAN**

Scale: 1/16" = 1'-0" Floor:

**E-052**



- NOTES:
- ALL UNDERGROUND CONDUITS SHALL BE RIGID GALVANIZED CONDUIT PVC COATED WITH THREADED FITTINGS, UNLESS SPECIFIED ELSEWHERE.
  - ALL UNDERGROUND CONDUITS TO BE INSTALLED 24" BELOW GRADE. REFER TO DETAIL ON DRAWING E-502.
  - BRANCH CIRCUITS TO SITE LIGHTING SHALL BE # 8 WIRE, INSTALL GROUNDWIRE IN ALL UNDERGROUND CONDUIT.
  - ALL SITE LIGHTING SHALL BE CONTROLLED VIA PHOTO-CELL TIME CLOCK VIA THE LIGHTING CONTROL PANEL. FINAL LOCATION OF THE EXTERIOR PHOTOCELL TO BE DETERMINED IN THE FIELD.
  - FOR SITE LIGHTING FIXTURE SCHEDULE REFER TO DRAWING E-603.
  - FOR EXACT QUANTITY, LOCATION, AND TYPE FOR SITE LIGHTING FIXTURES, REFER TO CIVIL ENGINEERS DRAWING C-600 FOR ADDITIONAL INFORMATION.
  - COORDINATE EXCAVATION AND BACKFILL FOR UNDERGROUND EXTERIOR CONDUIT WITH GENERAL CONTRACTOR.
  - FOR LIGHTING CONTROL ZONE SCHEDULES REFER TO DRAWING E-602.

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.

FILE: B:\300-3000-3000-000 - Regeneron Day Care Facility - Tarrytown\210104\_TTCX\_Daycare\_E-052\REV\_PLOTTED\_ON\_112221

1 SITE LIGHTING PLAN  
1/16" = 1'-0"

© 11/23/21 REGENERON PHARMACEUTICALS, INC.

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

**Genler**  
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) 615-3800 Phone  
(212) 615-3700 Fax

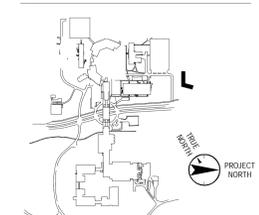
Civil Engineer

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 OFFICIAL RECORD OF THE PROJECT. THESE DRAWINGS ARE THE PROPERTY OF REGENERON PHARMACEUTICALS. THIS SHEET MAY NOT BE REPRODUCED OR COPIED IN ANY MANNER OR FOR ANY PURPOSE WITHOUT THE WRITTEN CONSENT OF REGENERON PHARMACEUTICALS. ANY REUSE OR MODIFICATION OF THIS SHEET WITHOUT THE WRITTEN CONSENT OF REGENERON PHARMACEUTICALS IS STRICTLY PROHIBITED. REGENERON PHARMACEUTICALS SHALL BE RESPONSIBLE FOR ANY AND ALL RISKS INVOLVED IN THE USE OF THIS SHEET WITHOUT THE EXPRESS WRITTEN CONSENT OF REGENERON PHARMACEUTICALS. REGENERON ASSUMES FULL RESPONSIBILITY FOR ANY AND ALL RISKS INVOLVED IN THE USE OF THIS SHEET.

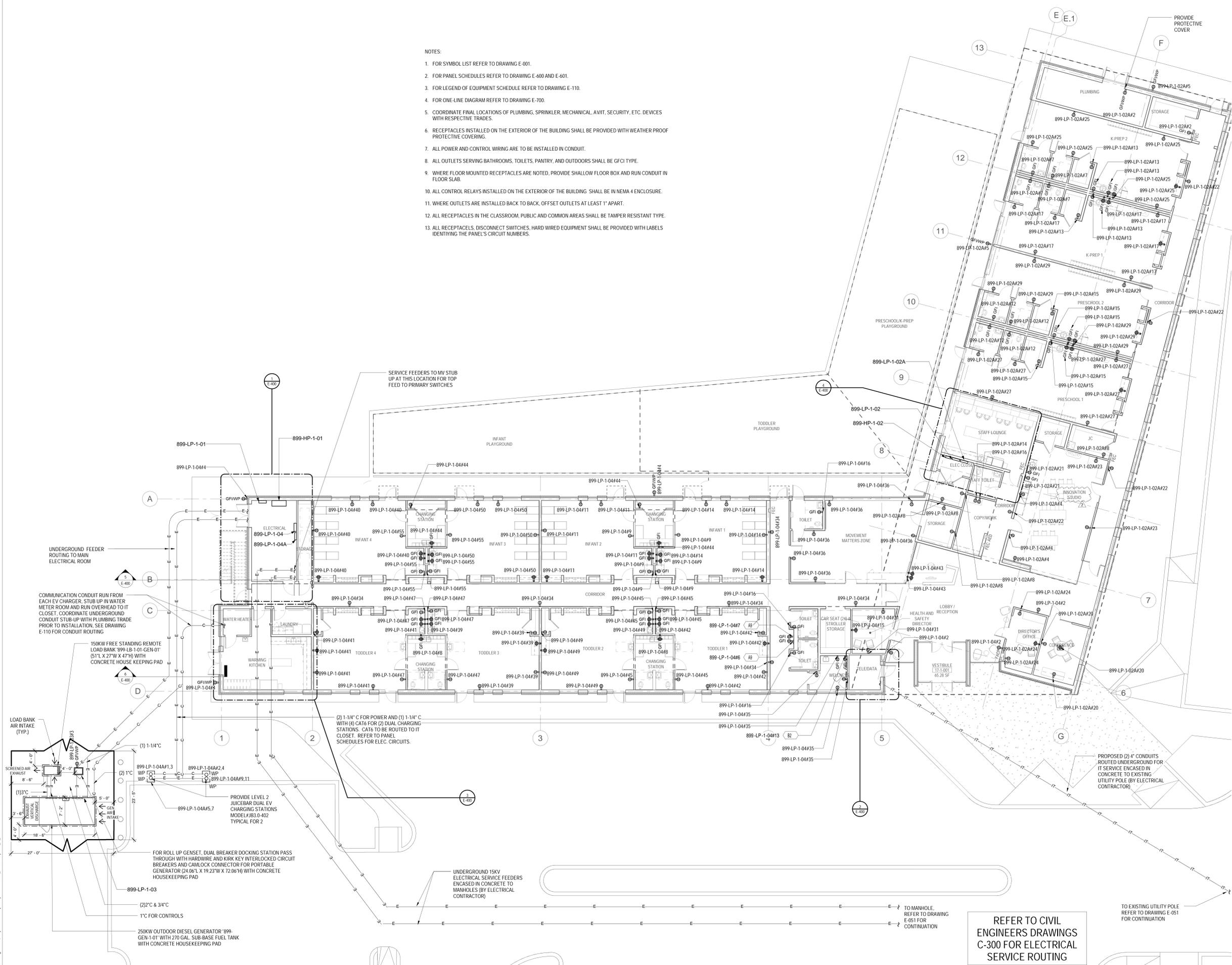
Professional Seal and Signature

Vendor Name: COSENTINI  
Vendor Project No.: 210104  
Discipline: Electrical  
Drawn By: AI  
**ELECTRICAL POWER PLAN - 1ST FLOOR**

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

**E-100**

- NOTES:
- FOR SYMBOL LIST REFER TO DRAWING E-001.
  - FOR PANEL SCHEDULES REFER TO DRAWING E-600 AND E-601.
  - FOR LEGEND OF EQUIPMENT SCHEDULE REFER TO DRAWING E-110.
  - FOR ONE-LINE DIAGRAM REFER TO DRAWING E-700.
  - COORDINATE FINAL LOCATIONS OF PLUMBING, SPRINKLER, MECHANICAL, AV/IT, SECURITY, ETC. DEVICES WITH RESPECTIVE TRADES.
  - RECEPTACLES INSTALLED ON THE EXTERIOR OF THE BUILDING SHALL BE PROVIDED WITH WEATHER PROOF PROTECTIVE COVERING.
  - ALL POWER AND CONTROL WIRING ARE TO BE INSTALLED IN CONDUIT.
  - ALL OUTLETS SERVING BATHROOMS, TOILETS, PANTRY, AND OUTDOORS SHALL BE GFCI TYPE.
  - WHERE FLOOR MOUNTED RECEPTACLES ARE NOTED, PROVIDE SHALLOW FLOOR BOX AND RUN CONDUIT IN FLOOR SLAB.
  - ALL CONTROL RELAYS INSTALLED ON THE EXTERIOR OF THE BUILDING SHALL BE IN NEMA 4 ENCLOSURE.
  - WHERE OUTLETS ARE INSTALLED BACK TO BACK, OFFSET OUTLETS AT LEAST 1" APART.
  - ALL RECEPTACLES IN THE CLASSROOM, PUBLIC AND COMMON AREAS SHALL BE TAMPER RESISTANT TYPE.
  - ALL RECEPTACLES, DISCONNECT SWITCHES, HARD WIRED EQUIPMENT SHALL BE PROVIDED WITH LABELS IDENTIFYING THE PANEL'S CIRCUIT NUMBERS.



**REFER TO CIVIL ENGINEERS DRAWINGS C-300 FOR ELECTRICAL SERVICE ROUTING**

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

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

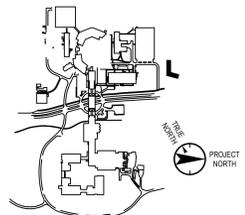
Civil Engineer

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	06.23.2022	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, NOR MAY ANY PART OF THE DRAWING OR WRITTEN MATERIALS APPEAR HEREIN, BE REPRODUCED OR COPIED IN WHOLE OR IN PART FOR ANY REASON WITHOUT THE WRITTEN CONSENT OF REGENERON PHARMACEUTICALS. THIS SHEET IS TO BE USED ONLY FOR THE PROJECT AND FOR THE PROJECT WITHOUT THE EXPRESS WRITTEN CONSENT OF DESIGN PROFESSIONALS. REGENERON ASSUMES FULL RESPONSIBILITY FOR ANY AND ALL RISKS INVOLVED IN SUCH REUSE.

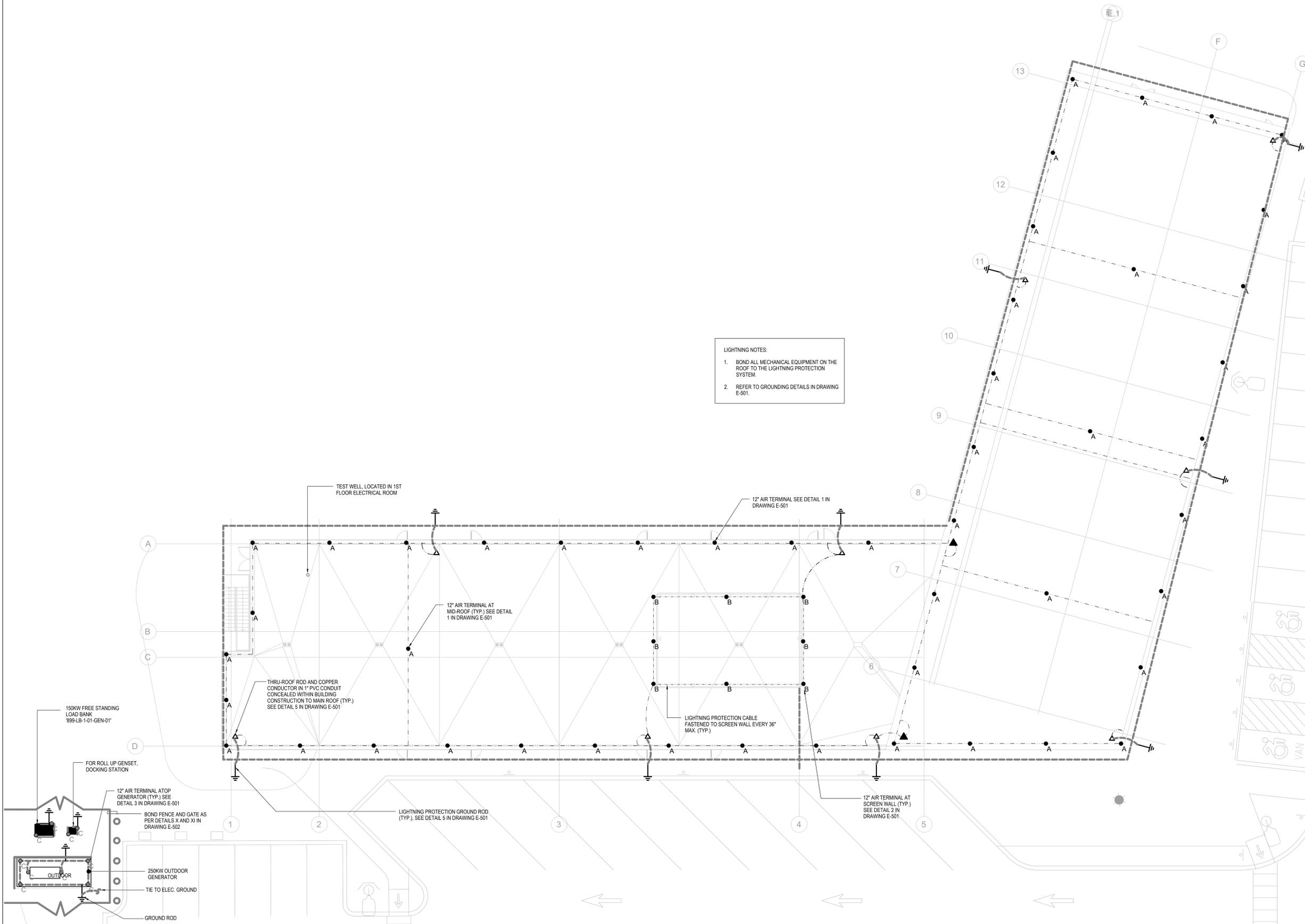
Professional Seal and Signature

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

**ELECTRICAL**  
**LIGHTNING PROTECTION**  
**SITE PLAN**

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

**E-121**



**LIGHTNING NOTES:**

- BOND ALL MECHANICAL EQUIPMENT ON THE ROOF TO THE LIGHTNING PROTECTION SYSTEM.
- REFER TO GROUNDING DETAILS IN DRAWING E-501.

1 SITE LIGHTNING PROTECTION PLAN  
1/8" = 1'-0"

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

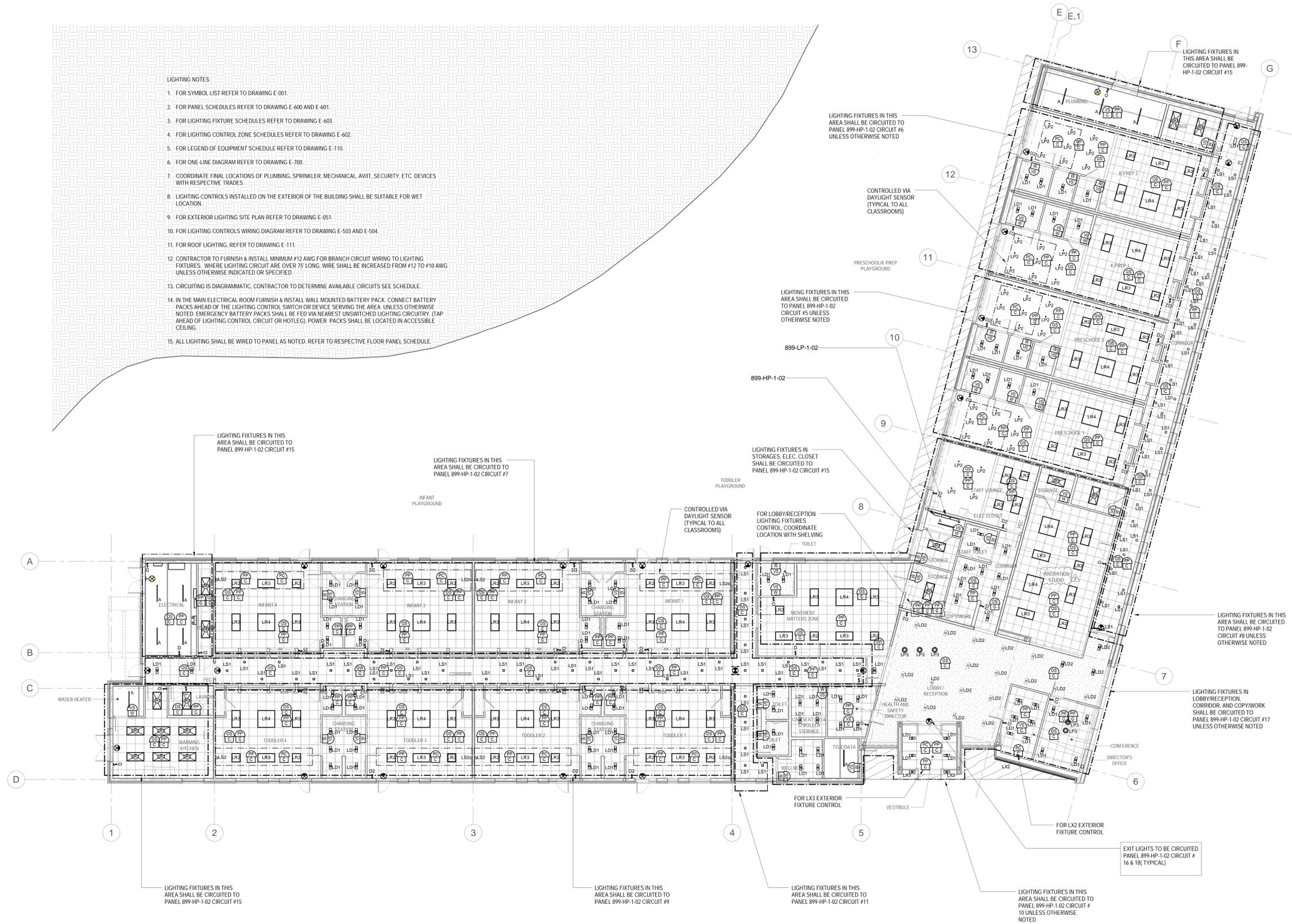
**MEP / IT / Security Engineer**  
Cosentini Associates  
498 Seventh Avenue  
New York, NY 10018  
(212) 615-3600 Phone  
(212) 615-3700 Fax

**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

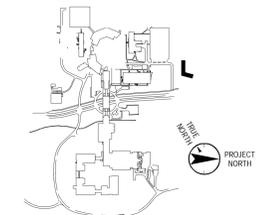
**LIGHTING NOTES:**

1. FOR SYMBOL LIST REFER TO DRAWING E-001.
2. FOR PANEL SCHEDULES REFER TO DRAWING E-600 AND E-601.
3. FOR LIGHTING FIXTURE SCHEDULES REFER TO DRAWING E-603.
4. FOR LIGHTING CONTROL ZONE SCHEDULES REFER TO DRAWING E-602.
5. FOR LEGEND OF EQUIPMENT SCHEDULE REFER TO DRAWING E-110.
6. FOR ONE-LINE DIAGRAM REFER TO DRAWING E-700.
7. COORDINATE FINAL LOCATIONS OF PLUMBING, SPRINKLER, MECHANICAL, AVIT, SECURITY, ETC. DEVICES WITH RESPECTIVE TRADES.
8. LIGHTING CONTROLS INSTALLED ON THE EXTERIOR OF THE BUILDING SHALL BE SUITABLE FOR WET LOCATION.
9. FOR EXTERIOR LIGHTING SITE PLAN REFER TO DRAWING E-051.
10. FOR LIGHTING CONTROLS WIRING DIAGRAM REFER TO DRAWING E-503 AND E-504.
11. FOR ROOF LIGHTING, REFER TO DRAWING E-111.
12. CONTRACTOR TO FURNISH & INSTALL MINIMUM #12 AWG FOR BRANCH CIRCUIT WIRING TO LIGHTING FIXTURES WHERE LIGHTING CIRCUIT ARE OVER 75' LONG. WIRE SHALL BE INCREASED FROM #12 TO #10 AWG UNLESS OTHERWISE INDICATED OR SPECIFIED.
13. CIRCUITING IS DIAGRAMMATIC, CONTRACTOR TO DETERMINE AVAILABLE CIRCUITS SEE SCHEDULE.
14. IN THE MAIN ELECTRICAL ROOM FURNISH & INSTALL WALL MOUNTED BATTERY PACK. CONNECT BATTERY PACKS AHEAD OF THE LIGHTING CONTROL SWITCH OR DEVICE SERVING THE AREA UNLESS OTHERWISE NOTED. EMERGENCY BATTERY PACKS SHALL BE FED VIA NEAREST UNSWITCHED LIGHTING CIRCUITRY. (TAP AHEAD OF LIGHTING CONTROL CIRCUIT OR HOT/LEG). POWER PACKS SHALL BE LOCATED IN ACCESSIBLE CEILING.
15. ALL LIGHTING SHALL BE WIRED TO PANEL AS NOTED. REFER TO RESPECTIVE FLOOR PANEL SCHEDULE.



1 LEVEL 01 LIGHTING RCP  
1/8" = 1'-0"

**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 CONTRACT DOCUMENTS. THE USER HEREBY AGREES TO HOLD REGENERON PHARMACEUTICALS, INC. (REGENERON) HARMLESS FROM AND FOR ANY AND ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES, INCLUDING REASONABLE ATTORNEY'S FEES, THAT MAY BE INCURRED BY ANY PARTY AS A RESULT OF THE USER'S USE OF THIS SHEET. REGENERON PHARMACEUTICALS, INC. IS NOT RESPONSIBLE FOR ANY AND ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES, INCLUDING REASONABLE ATTORNEY'S FEES, THAT MAY BE INCURRED BY ANY PARTY AS A RESULT OF THE USER'S USE OF THIS SHEET. REGENERON PHARMACEUTICALS, INC. IS NOT RESPONSIBLE FOR ANY AND ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES, INCLUDING REASONABLE ATTORNEY'S FEES, THAT MAY BE INCURRED BY ANY PARTY AS A RESULT OF THE USER'S USE OF THIS SHEET.

**Professional Seal and Signature**

Vendor Name: COSENTINI  
Vendor Project No.: 210104  
Discipline: Electrical  
Drawn By: AI  
**ELECTRICAL LIGHTING PLAN - 1ST FLOOR**

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

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

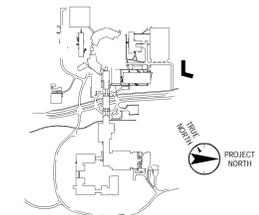
**Structural Engineer**  
Thornton Tomasetti  
120 Broadway, 15th Floor  
New York, NY 10271  
(917) 661-7800 Phone  
(917) 661-7801 Fax

**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

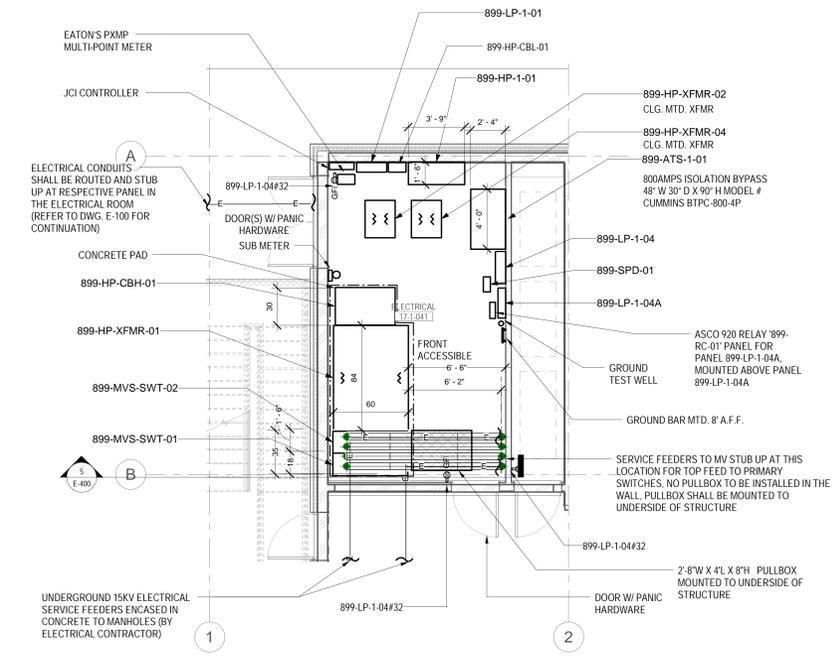
Plot Date: 07.01.2022  
ALL DRAWINGS AND WRITTEN MATERIALS REPRESENTED ON THIS SHEET CONSTITUTE THE OFFICIAL RECORD OF THE WORK PROVIDED BY REGENERON PHARMACEUTICALS. THIS SHEET MAY NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART, NOR MAY ANY OF THE DRAWINGS OR WRITTEN MATERIALS BE REPRODUCED OR COPIED FOR ANY OTHER WORK OR ANY REASON WITHOUT THE WRITTEN CONSENT OF REGENERON PHARMACEUTICALS. THIS SHEET IS THE PROPERTY OF REGENERON PHARMACEUTICALS. IF ANY REVISIONS OR CHANGES ARE MADE TO ANY OF THE DRAWINGS OR WRITTEN MATERIALS ON THIS SHEET, THE USER SHALL BE RESPONSIBLE FOR OBTAINING THE LATEST REVISIONS FROM REGENERON PHARMACEUTICALS. REGENERON ASSUMES NO LIABILITY FOR ANY AND ALL RISKS INVOLVED IN THIS RELEASE.

Professional Seal and Signature

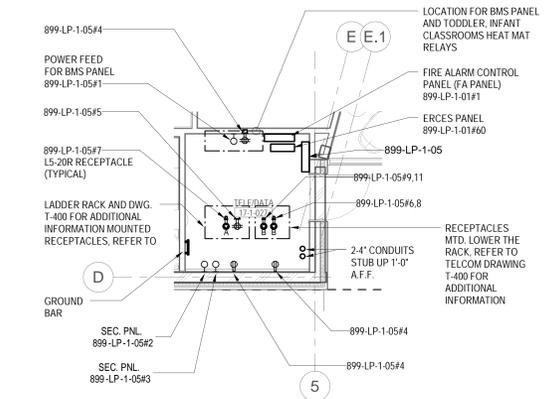
Vendor Name: COSENTINI  
Vendor Project No.: 210104  
Discipline: Electrical Drawn By: AI  
**ELECTRICAL ENLARGED VIEWS - SHEET 1**

Scale: As indicated Floor:

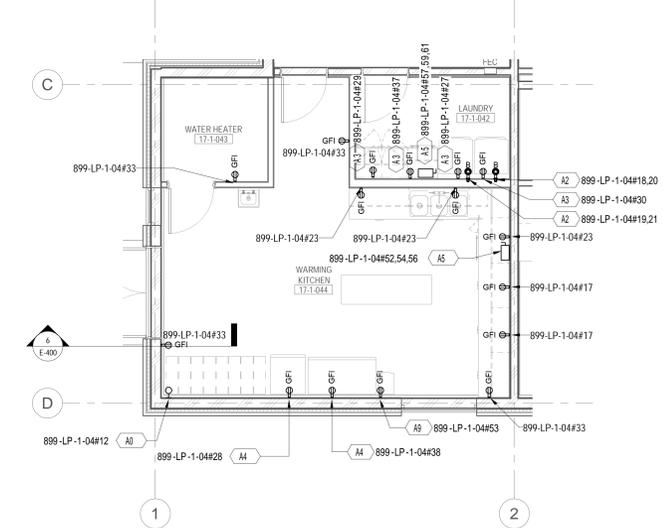
**E-400**



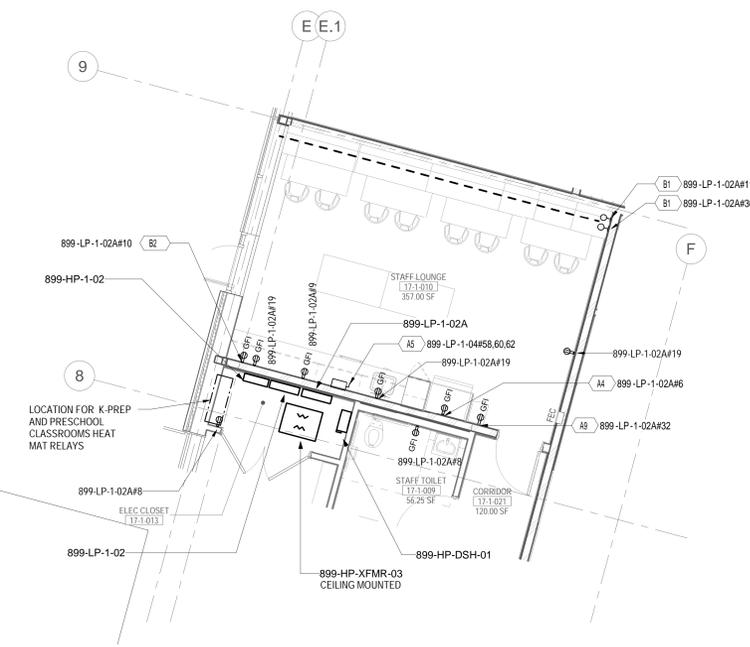
LEVEL 01 POWER PART PLAN - ELECTRICAL ROOM  
1/4" = 1'-0"



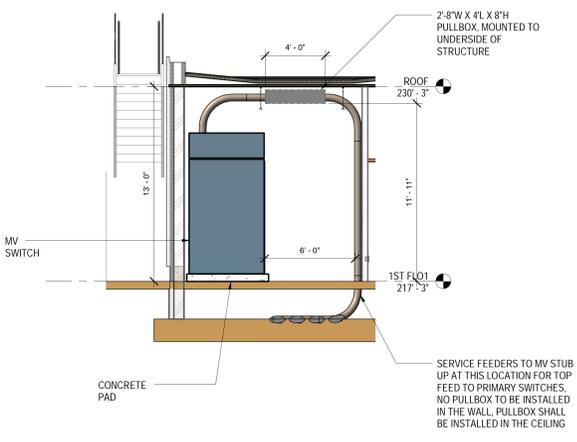
LEVEL 01 POWER PART PLAN - TELE DATA ROOM  
1/4" = 1'-0"



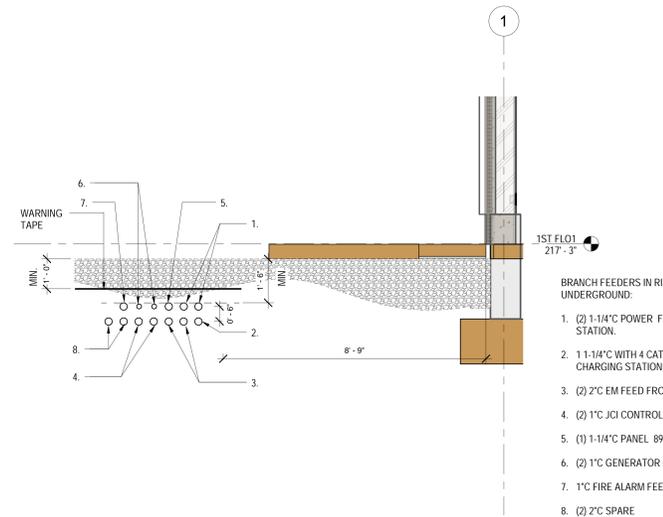
LEVEL 01 POWER PART PLAN - LAUNDRY, WARMING KITCHEN, AND WATER HEATER ROOM  
1/4" = 1'-0"



LEVEL 01 POWER PART PLAN - ELECTRICAL CLOSET AND STAF F LOUNGE  
1/4" = 1'-0"



ELECTRICAL ROOM ELEVATION PART PLAN  
1/4" = 1'-0"



UNDERGROUND BRANCH FEEDERS DETAIL  
1/2" = 1'-0"

- GENERAL SHEET NOTES:
- FOR SYMBOL LIST REFER TO DRAWING E-601.
  - FOR PANEL SCHEDULES REFER TO DRAWING E-600 AND E-601.
  - FOR LIGHTING FIXTURE SCHEDULES REFER TO DRAWING E-601.
  - FOR LIGHTING CONTROL ZONE SCHEDULES REFER TO DRAWING E-602.
  - FOR LEGEND OF EQUIPMENT SCHEDULE REFER TO DRAWING E-710.
  - FOR ONE-LINE DIAGRAM REFER TO DRAWING E-700.
  - COORDINATE FINAL LOCATIONS OF PLUMBING, SPRINKLER, MECHANICAL, AVIT, SECURITY, ETC. DEVICES WITH RESPECTIVE TRADES.
  - DEVICES SUBJECT TO OUTSIDE ELEMENTS OUTSIDE SHALL BE PROVIDED WITH WEATHER PROOF PROTECTIVE COVERING AND WEATHERPROOF TYPE.

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

899 Old Saw Mill River Road  
Mount Pleasant, NY 10591

Project No. B17-DAYCARE

Architect

**Genler**

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 10054  
(212) 615-3600 Phone  
(212) 615-3700 Fax

Civil Engineer

JMC

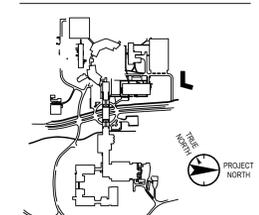
120 Bedford Road  
Armonk, NY 10504  
(914) 273-5225 Phone  
(914) 273-2102 Fax

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	06/22/2022	100% CONSTRUCTION DOCUMENTS
2	07/01/2022	100% CONSTRUCTION DOCUMENTS-1

Plot Date: 07/01/2022

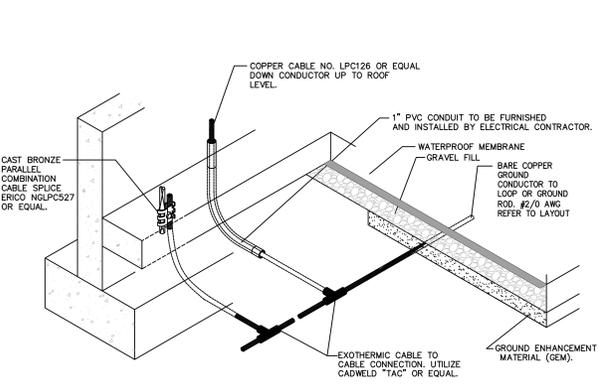
ALL DRAWINGS AND WRITTEN MATERIALS REPRESENTED ON THIS SHEET CONSTITUTE THE COPYRIGHTED WORK AND ARE THE SOLE PROPERTY OF REGENERON PHARMACEUTICALS. THIS SHEET MAY NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART, AND MAY NOT BE USED FOR ANY OTHER PROJECT WITHOUT THE WRITTEN CONSENT OF REGENERON PHARMACEUTICALS. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES AND AUTHORITIES. REGENERON PHARMACEUTICALS, IF REGENERON MAKES OR AUTHORIZES RELEASE OF ANY SUCH DOCUMENTS OR INFORMATION PROVIDED BY REGENERON PROFESSIONAL OUTSIDE OF THE PROJECT WITHOUT THE EXPRESS WRITTEN CONSENT OF DESIGN PROFESSIONAL, REGENERON ASSUMES NO LIABILITY OR RESPONSIBILITY FOR ANY AND ALL RISKS INVOLVED IN SUCH RELEASE.

Professional Seal and Signature

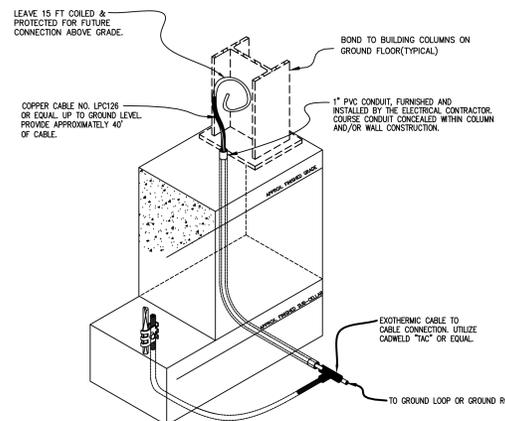
Vendor Name: COSENTINI  
Vendor Project No.: 210104  
Discipline: Electrical  
Discipline: Electrical  
Drawn By: AI  
**ELECTRICAL DETAIL**  
**SHEET 1**

Scale: NTS  
Floor:

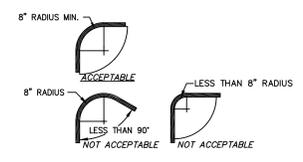
**E-500**



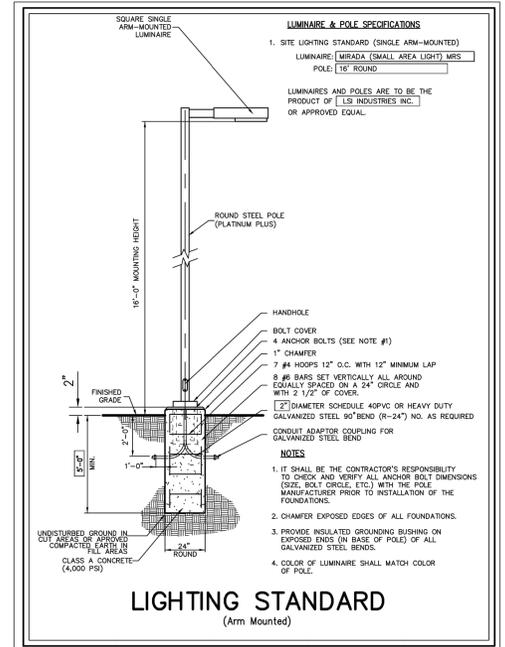
**TYPICAL DOWNLOAD TO GROUND LOOP OR GROUND ROD**  
NOT TO SCALE  
DETAIL IV



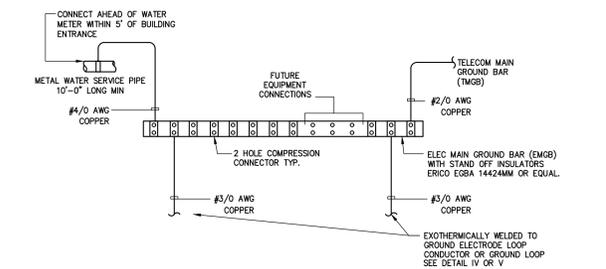
**TYPICAL BOND TO BUILDING STEEL**  
NOT TO SCALE  
DETAIL V



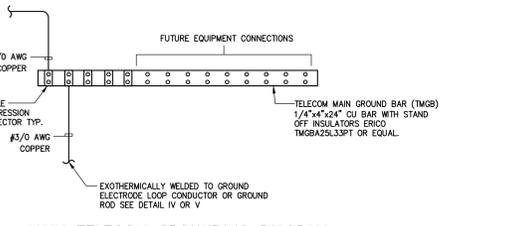
**TYPICAL CABLE BEND REQUIREMENTS**  
NOT TO SCALE  
DETAIL VI



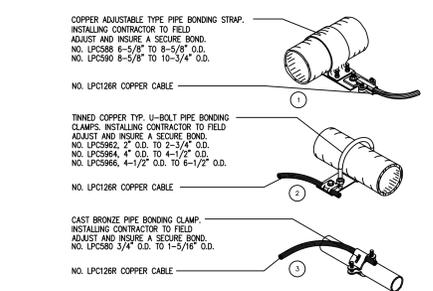
**LIGHTING STANDARD**  
(Arm Mounted)  
DETAIL IX



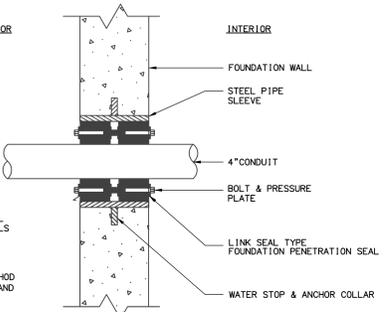
**MAIN ELECTRICAL GROUNDING DIAGRAM**  
NO SCALE  
DETAIL X



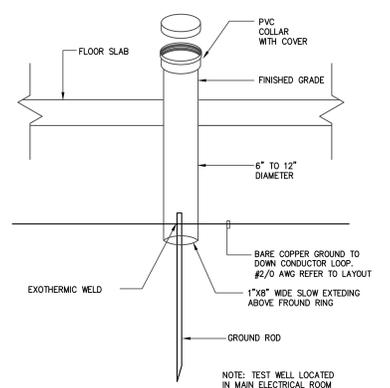
**MAIN TELECOM GROUNDING DIAGRAM**  
NO SCALE  
DETAIL XX



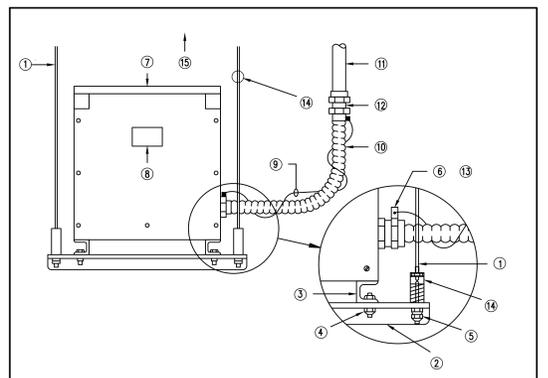
**TYPICAL PIPE BOND CLAMP**  
NOT TO SCALE  
DETAIL VI



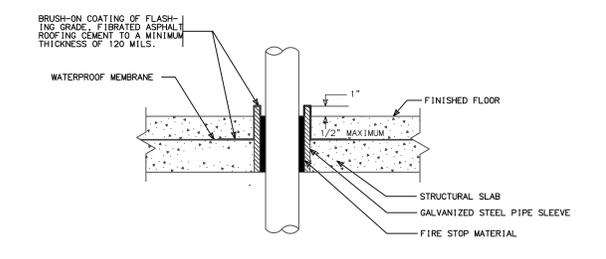
**TYPICAL CONDUIT PENETRATION THRU FOUNDATION WALL**  
NOT TO SCALE  
DETAIL VII



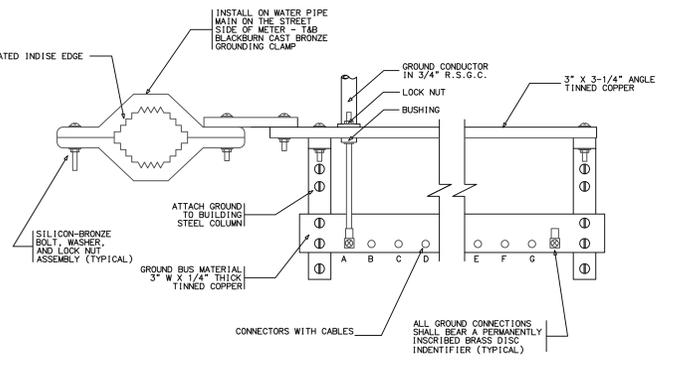
**TYPICAL GROUNDING ROD WITH TEST WELL**  
NOT TO SCALE  
DETAIL XXXX



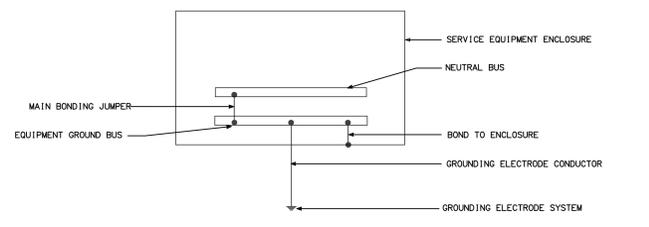
**TRAPEZE MOUNTED TRANSFORMER DETAIL**  
NOT TO SCALE  
DETAIL VIII



**CONDUIT PENETRATION WATERPROOF SLAB**  
NOT TO SCALE



**GROUNDING WATER PIPE GROUND CONNECTIONS AND GROUND BUS**  
NOT TO SCALE



**GROUNDING SYSTEM WITH GROUND BUS AND NEUTRAL BUS**  
NOT TO SCALE

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**

899 Old Saw Mill River Road  
Mount Pleasant, NY 10591

Project No. B17-DAYCARE

Architect

**Genler**  
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

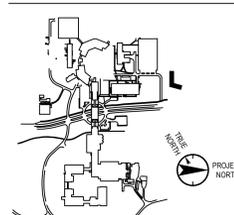
Civil Engineer

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	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

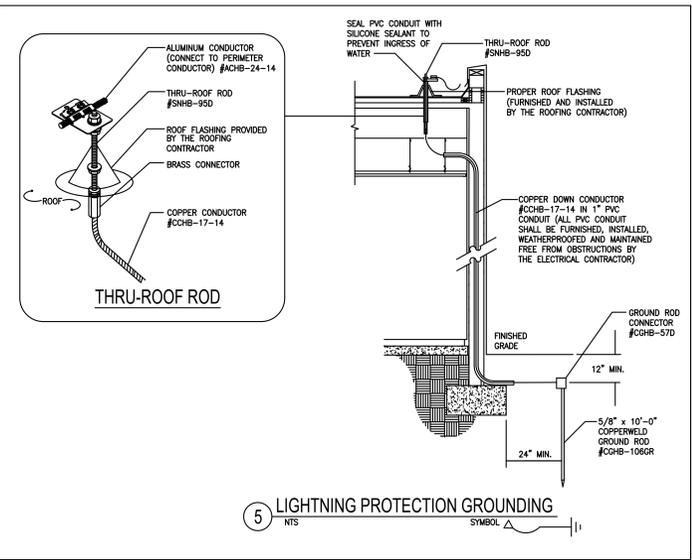
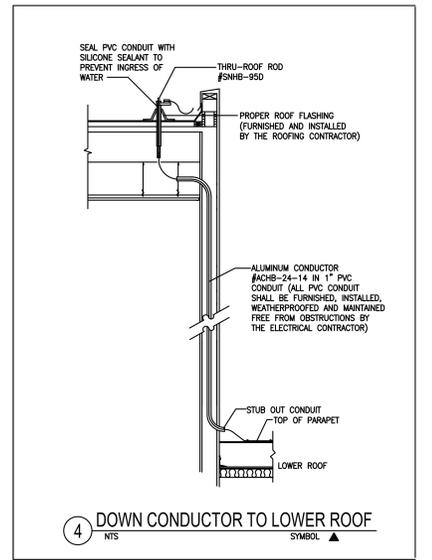
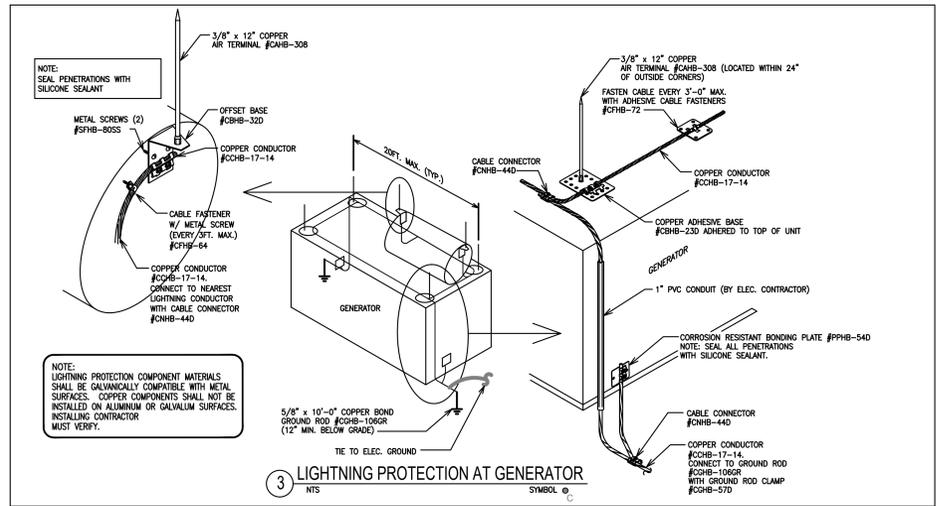
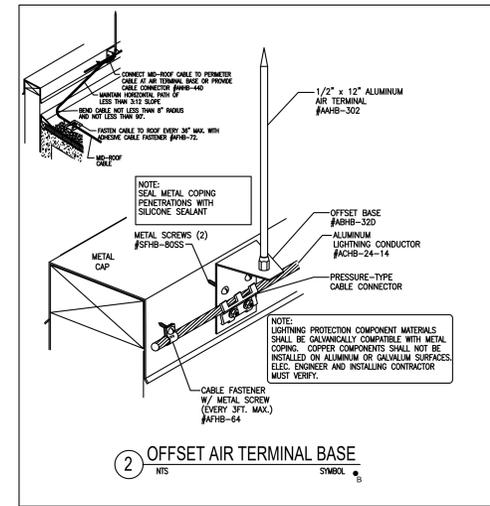
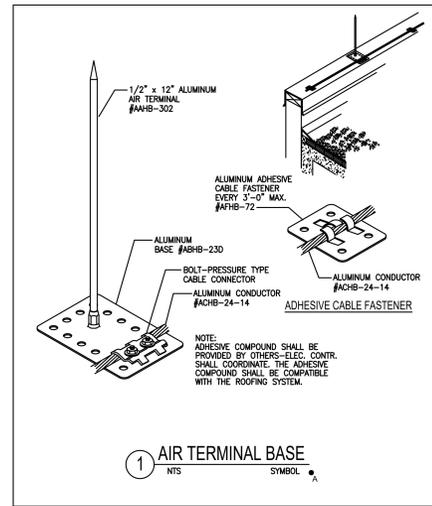
ALL DRAWINGS AND WRITTEN MATERIALS REPRESENTED ON THIS SHEET CONSTITUTE THE CONTRACT WORK AND ARE THE SOLE PROPERTY OF REGENERON PHARMACEUTICALS. THIS SHEET MAY NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART, AND ANY PART OF IT OR DRAWING OR WRITTEN MATERIALS APPEARING THEREON, BE REPRODUCED OR COPIED IN WHOLE OR IN PART FOR ANY REASON WITHOUT THE WRITTEN CONSENT OF REGENERON PHARMACEUTICALS. THIS SHEET MAY BE TYPED FROM THE REGENERON PHARMACEUTICALS ARCHIVE. IF REGENERON MAKES OR AUTHORIZES REUSE OF ANY SUCH DOCUMENTS OR INFORMATION PROVIDED BY REGENERON PHARMACEUTICALS IN 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: Electrical  
Drawn By: AI  
**ELECTRICAL**  
**DETAIL SHEET 2**

Scale: NTS Floor:

**E-501**

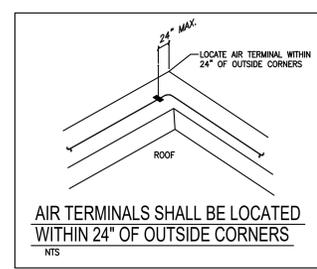
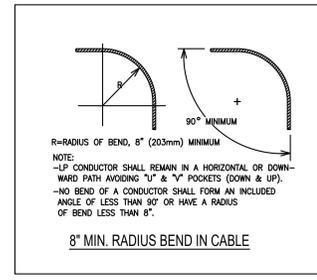
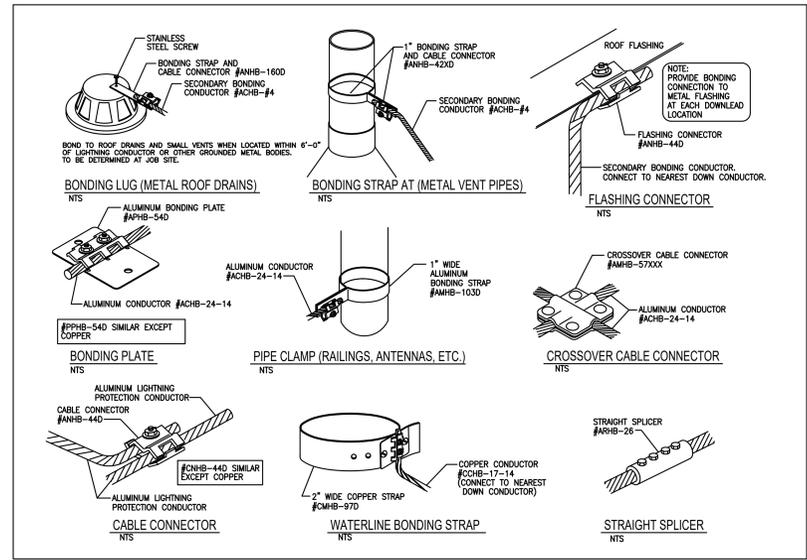


**LIGHTNING PROTECTION NOTES**

- ALL MATERIALS SHOWN ARE MANUFACTURED BY HEAVY BROS. LIGHTNING PROTECTION CO., INC.
- THE LIGHTNING PROTECTION SYSTEM AS SHOWN ON DRAWING HAS BEEN DESIGNED IN ACCORDANCE WITH UL96, UL96A & NFPA-780 LIGHTNING PROTECTION SYSTEM STANDARDS.
- CONDUCTORS SHALL MAINTAIN A HORIZONTAL OR DOWNWARD COURSE, FREE FROM "U" OR "V" (DOWN AND UP) POCKETS.
- NO BEND OF CONDUCTOR SHALL FORM AN ANGLE OF LESS THAN 90° NOR SHALL HAVE A RADIUS OF BEND LESS THAN 8".
- AIR TERMINALS SHALL BE SPACED EVERY 20'-0" MAXIMUM AROUND THE ROOF PERIMETER AND/OR ALONG ROOF RIDGES. AIR TERMINALS SHALL BE LOCATED WITHIN 2'-0" OF OUTSIDE CORNERS.
- AIR TERMINALS SHALL BE SPACED EVERY 50'-0" MAXIMUM IN CENTER ROOF AREAS.
- ACTUAL JOBSITE CONDITIONS MAY REQUIRE SLIGHT ALTERATIONS IN AIR TERMINAL, DOWN CONDUCTOR AND GROUND ROD LOCATIONS.
- BARE COPPER MATERIALS SHALL NOT BE INSTALLED ON ALUMINUM OR GALVALUM SURFACES, AND ALUMINUM MATERIALS SHALL NOT BE INSTALLED ON COPPER SURFACES.
- ALL LIGHTNING PROTECTION CONDUCTORS SHALL BE FASTENED EVERY 3'-0" MAX.
- BOND SMALL METAL BODIES OF INDUCTANCE SITUATED WITHIN 6'-0" OF A LIGHTNING CONDUCTOR OR ANOTHER BONDED METAL BODY TO THE LIGHTNING PROTECTION CONDUCTOR SYSTEM, UNLESS INHERENTLY GROUNDED.
- BOND ALL LARGE METAL BODIES TO THE LIGHTNING PROTECTION CONDUCTOR SYSTEM, (I.E. EXHAUST FANS, ROOF VENTS, METAL COOLING TOWERS, HVAC UNITS, LADDERS, RAILINGS, ANTENNAS, SKYLIGHTS, METAL STACKS, AND ANY OTHER LARGE METAL BODIES WHOSE HEIGHT EXCEEDS THAT OF ADJACENT AIR TERMINALS).
- CONNECTIONS TO GROUND RODS SHALL BE MADE AT A POINT NOT LESS THAN 1'-0" BELOW FINISHED GRADE AND 2'-0" AWAY FROM FOUNDATION WALL.
- BOND TO WATERLINES (DOMESTIC & FIRE).
- A LIGHTNING ARRESTOR, PROTECTOR OR ANTENNA DISCHARGE UNIT SHALL BE INSTALLED ON EACH ELECTRIC AND TELEPHONE SERVICE AND RADIO AND TELEVISION ANTENNA LEAD-IN BY THE ELECTRICAL CONTRACTOR, IN ACCORDANCE WITH NFPA-70.
- NO BEND OF A CONDUCTOR SHALL FORM AN INCLUDED ANGLE OF LESS THAN 90° OR HAVE A RADIUS OF BEND LESS THAN 8".
- TRANSIENT VOLTAGE SURGE SUPPRESSION (TVSS) OF SERVICES SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR, (I.E. COMPUTERS, COPIERS, TELEPHONE, ETC.).
- PROVIDE UL MASTER LABEL CERTIFICATION UPON COMPLETION OF INSTALLATION.

**LIGHTNING PROTECTION MATERIALS LIST**

ALUMINUM LIGHTNING PROTECTION MAIN CONDUCTOR	ACHB-24-14
ALUMINUM LIGHTNING PROTECTION SECONDARY BONDING CABLE*	ACHB-#4
COPPER LIGHTNING PROTECTION DOWN CONDUCTOR	CCHB-17-14
BIMETAL CONNECTOR	MNHB-93
CABLE FASTENERS (FASTEN CABLE EVERY 3FT. MAX.)	AFHB-72, 66, 64, CFHB-72, 64
1/2" x 12" ALUMINUM AIR TERMINAL AND ADHESIVE BASE	AHNB-302, ABNB-23D
1/2" x 12" ALUMINUM AIR TERMINAL AND OFFSET BASE	AAHB-302, ABNB-23D
1/2" x 12" ALUMINUM AIR TERMINAL AND ADHESIVE BASE (AT ROOF TOP EQUIPMENT)	AAHB-302, ABNB-23D
3/8" x 12" COPPER AIR TERMINAL & ADHESIVE BASE / OFFSET BASE (GENERATOR)	CHNB-308, CBNB-23D, 32D
THRU-ROOF ROD	SNHB-95D
*SECONDARY BONDING (USE SECONDARY BONDING CABLE #ACHB-#4):	
FLASHING CONNECTOR	ANHB-44D
METAL ROOF DRAIN / GUTTER CONNECTOR	ANHB-160D
METAL VENT PIPE CONNECTOR	ANHB-430D
ALUMINUM BONDING PLATE (AT ALUM. RTU & FANS)	APHB-54D
COPPER BONDING PLATE (TO TOP AND BASE OF STEEL AT EACH DOWNLEAD)	PPHB-54D
PIPE CLAMP (ANTENNAS, RAILINGS, ETC.)	AMHB-103D
BOND PLATE (LADDERS)	PPHB-54D
CABLE CONNECTOR	ANHB-44D, CNHB-44D
STRAIGHT SPLICER	ARHB-26, CRHB-26
CROSSOVER CABLE CONNECTOR	CMHB-57XXX
WATERLINE CONNECTOR (FIRE WATER & DOMESTIC WATER)	CMHB-97D
5/8" x 10'-0" COPPERWELD GROUND ROD AND CONNECTOR	CCHB-106GR, CCHB-57D



FOR LIGHTNING PROTECTION PLAN  
REFER TO DRAWING E-121.

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

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

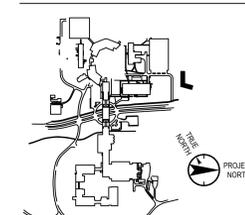
120 Bedford Road  
Armonk, NY 10504  
(914) 273-5225 Phone  
(914) 273-2102 Fax

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

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 IT OR DRAWING OR ANY INFORMATION THEREON MAY NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART FOR ANY REASON WITHOUT THE WRITTEN CONSENT OF REGENERON PHARMACEUTICALS. THIS SHEET IS TO BE USED ONLY FOR THE PROJECT AND THE RESULTS OF REGENERON PHARMACEUTICALS. IF REGENERON MAKES OR AUTHORIZES REUSE OF ANY SUCH DOCUMENTS OR INFORMATION PROVIDED BY OTHER 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: Electrical  
Drawn By: AI

**ELECTRICAL**  
DETAIL SHEET 3

Scale: NTS  
Floor:

**E-502**

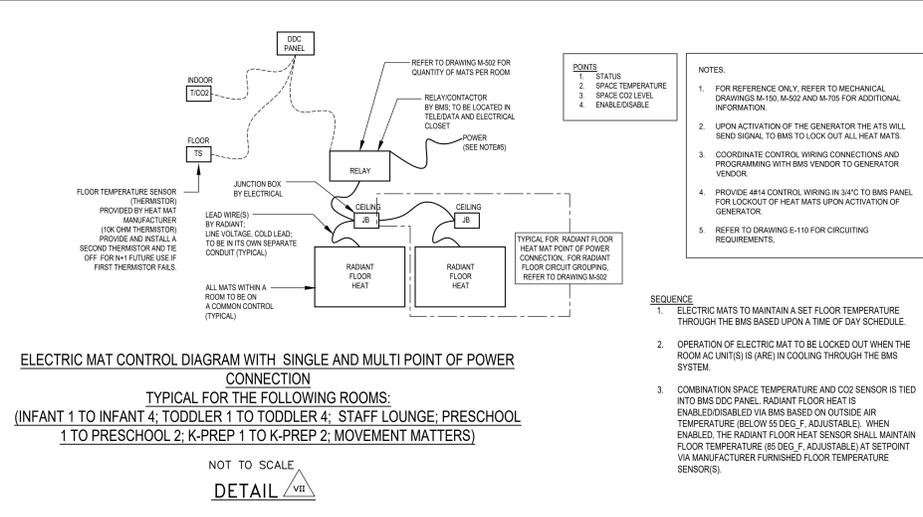
PROVIDE PIPE HEATER STRIP OF REQUIRED LENGTH, WITH ALL APPURTENANCES, AND IN ACCORDANCE WITH THE FOLLOWING:  
o) BASED ON THE INDICATED OUTPUT, SELECT HEATER STRIP AND AUXILIARY COMPONENTS FOR SAME FROM THE TABLE BELOW:--

ELECTRIC OUTPUT (AT 50°F) WATTS/FT	CIRCUIT BREAKER SIZE (STARTED AT 50°F) AMPS/FT	RATED VOLTAGE VOLTS	MAXIMUM SAFE TEMPERATURE °F	MAXIMUM SAFE LENGTH FEET	IDENTIFICATION OF APPROVED COMPONENTS			
					HEATER STRIP	END SEAL	SPLICE OR TEE KIT	POWER CONNECTION KIT
5	.07	120	150	250	5XL1-CR	FTC-E	FTC-HST	FTC-P
8	.10	120	150	190	8XL1-CR	FTC-E	FTC-HST	FTC-P

- INSTALL HEATER STRIP AS A SINGLE RUN (OR MULTIPLE PARALLEL RUNS WHERE CABLE FOOTAGE SO REQUIRES) ALONG WATER PIPING BEFORE INSULATION IS APPLIED TO SAME.
- FASTEN HEATER STRIP TO PIPING WITH GLASS ADHESIVE TAPE (RAYCHEM CAT. NO. "GT-66") APPLIED AT INTERVALS NOT EXCEEDING 1' ON CENTERS AND IN ALL CASES AS REQUIRED TO MAINTAIN THE HEATER STRIP IN CONTINUOUS CONTACT WITH THE METAL OF THE WATER PIPING.
- DO NOT CONNECT THE BUS WIRES TOGETHER; XL-TRACE IS A PARALLEL CIRCUITED HEATER STRIP.
- FURNISH AND INSTALL ON THE OUTLET BOX FROM WHICH THE HEATER IS SUPPLIED, A 120 VOLT, 22 AMP, SINGLE POLE, DOUBLE THROW, 25-225°F, AMBIENT TYPE THERMOSTAT (RAYCHEM CAT. NO. "AMC-1A") IN NEMA TYPE 4 WATER TIGHT ENCLOSURE.
- CONNECT INCOMING CIRCUIT THROUGH THERMOSTAT TO HEATER STRIP.
- UTILIZE 1/2" FLEXIBLE METALLIC CONDUIT TO PROTECT WIRE BETWEEN THERMOSTAT AND POINT WHERE IT CONNECTS TO HEATER STRIP.
- WHERE THE TEMPERATURE OF THE FLUID IN A PIPE WILL EXCEED 150°F, SUBSTITUTE RAYCHEM "5XTV1-CT" STRIP OR "10XTV1-CT" STRIP FOR 5 AND 8 WATT APPLICATIONS RESPECTIVELY, (AND ACCESSORIES) FOR HEATER STRIP SPECIFIED. MODIFY CIRCUITRY IF REQUIRED.
- PROVIDE AUXILIARY CONTACT AND 2#14 CONTROL WIRING IN 1/2" C TO BMS PANEL. COORDINATE WITH MECHANICAL TRADE.

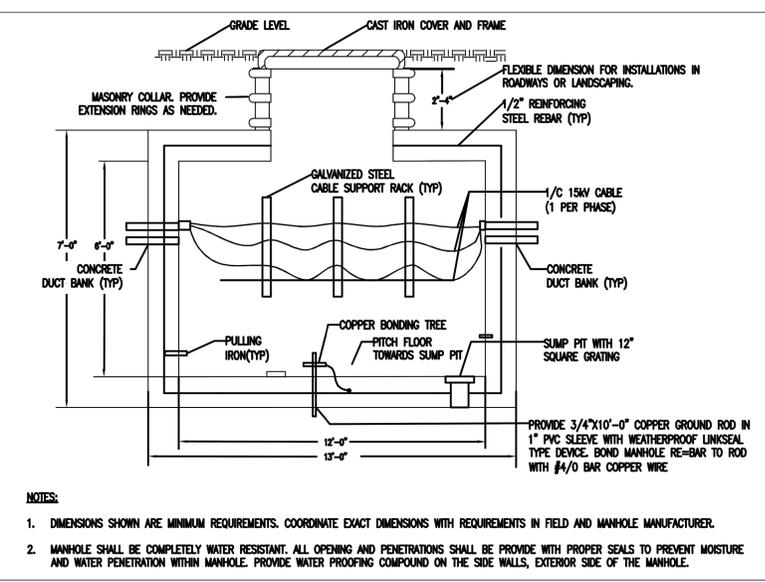
NOTE: A SEPARATE PIPE HEATER STRIP COMPLETE WITH THERMOSTAT AND ALL APPURTENANCES, IS REQUIRED IN CONJUNCTION WITH EACH SYMBOL FOR WHICH A REFERENCE TO THESE SPECIFICATIONS IS MADE. MULTIPLE CABLES MAY BE ATTACHED TO ONE THERMOSTAT, PROVIDED THAT THE TOTAL LENGTH OF CABLES DOESN'T EXCEED MAXIMUM SAFE LENGTH.

**SPECIFICATION NOTES FOR ELECTRIC PIPE TRACING -- DETAIL**



**ELECTRIC MAT CONTROL DIAGRAM WITH SINGLE AND MULTI POINT OF POWER CONNECTION**  
TYPICAL FOR THE FOLLOWING ROOMS:  
(INFANT 1 TO INFANT 4; TODDLER 1 TO TODDLER 4; STAFF LOUNGE; PRESCHOOL 1 TO PRESCHOOL 2; K-PREP 1 TO K-PREP 2; MOVEMENT MATTERS)

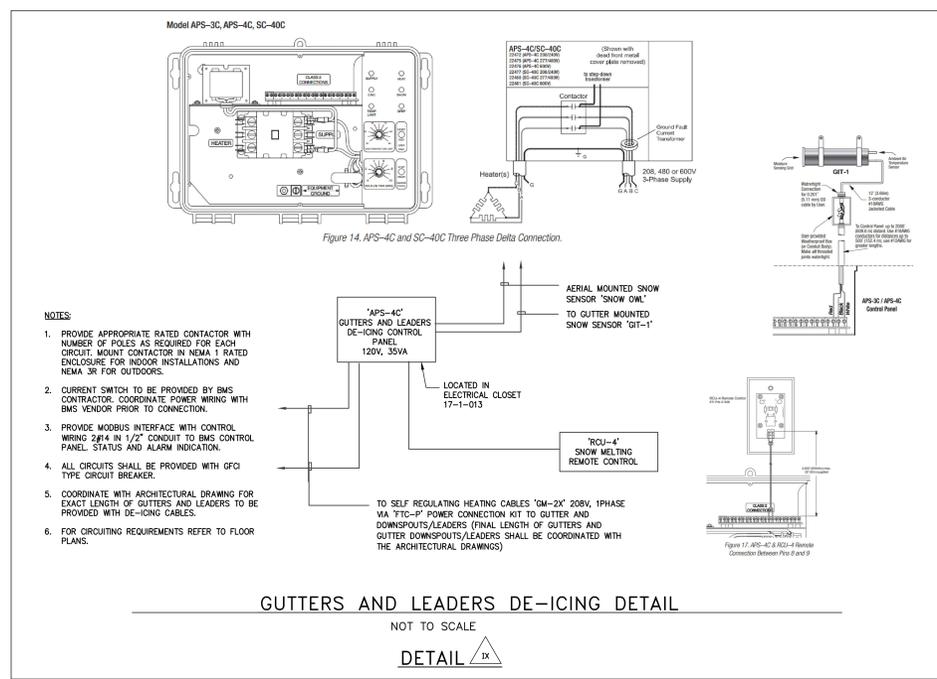
NOT TO SCALE  
DETAIL VII



- NOTES:
- DIMENSIONS SHOWN ARE MINIMUM REQUIREMENTS. COORDINATE EXACT DIMENSIONS WITH REQUIREMENTS IN FIELD AND MANHOLE MANUFACTURER.
  - MANHOLE SHALL BE COMPLETELY WATER RESISTANT. ALL OPENING AND PENETRATIONS SHALL BE PROVIDED WITH PROPER SEALS TO PREVENT MOISTURE AND WATER PENETRATION WITHIN MANHOLE. PROVIDE WATER PROOFING COMPOUND ON THE SIDE WALLS, EXTERIOR SIDE OF THE MANHOLE.
  - THIS CONTRACTOR SHALL COORDINATE CONDUIT WIRING TO MANHOLE WITH FACILITY FOR FINAL CONNECTION.
  - PROVIDE ALL REQUIRED SUPPORT AND MAKE NECESSARY CONNECTION AND TERMINATION TO ENERGIZE FEEDER TO DAY CARE CENTER.

**TYPICAL MANHOLE DETAIL SECTION VIEW (FOR REFERENCE ONLY, PROVIDED BY OTHERS)**

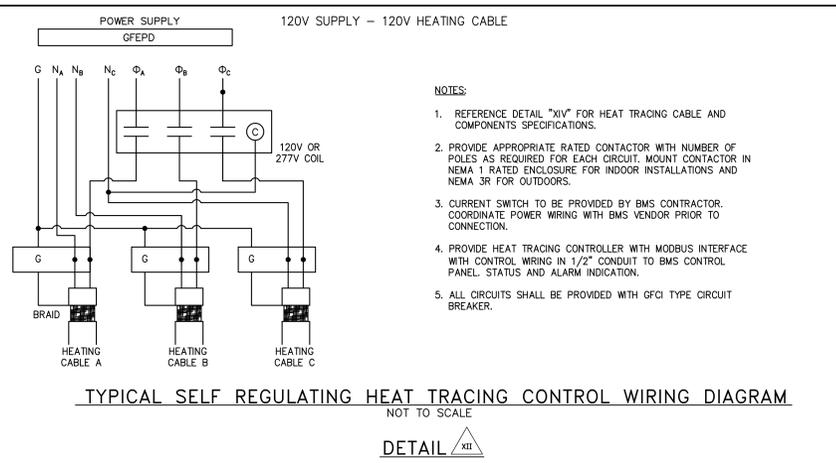
NOT TO SCALE  
DETAIL IX



- NOTES:
- PROVIDE APPROPRIATE RATED CONTACTOR WITH NUMBER OF POLES AS REQUIRED FOR EACH CIRCUIT. MOUNT CONTACTOR IN NEMA 1 RATED ENCLOSURE FOR INDOOR INSTALLATIONS AND NEMA 3R FOR OUTDOORS.
  - CURRENT SWITCH TO BE PROVIDED BY BMS CONTRACTOR. COORDINATE POWER WIRING WITH BMS VENDOR PRIOR TO CONNECTION.
  - PROVIDE MODBUS INTERFACE WITH CONTROL WIRING 2#14 IN 1/2" CONDUIT TO BMS CONTROL PANEL. STATUS AND ALARM INDICATION.
  - ALL CIRCUITS SHALL BE PROVIDED WITH GFCI TYPE CIRCUIT BREAKER.
  - COORDINATE WITH ARCHITECTURAL DRAWING FOR EXACT LENGTH OF GUTTERS AND LEADERS TO BE PROVIDED WITH DE-ICING CABLES.
  - FOR CIRCUITING REQUIREMENTS REFER TO FLOOR PLANS.

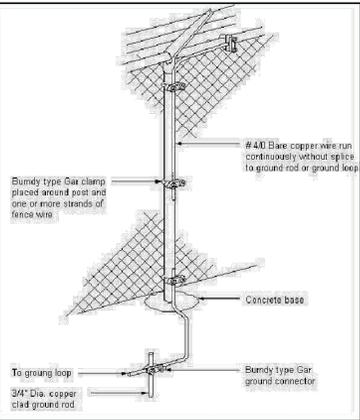
**GUTTERS AND LEADERS DE-ICING DETAIL**

NOT TO SCALE  
DETAIL IX



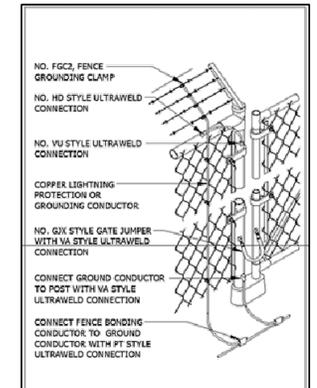
**TYPICAL SELF REGULATING HEAT TRACING CONTROL WIRING DIAGRAM**

NOT TO SCALE  
DETAIL XII



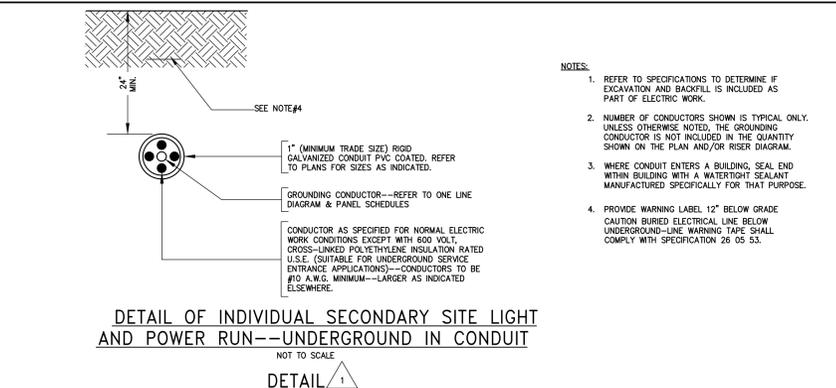
**GENERATOR FENCE & GATE BONDING DETAIL**

NO SCALE  
DETAIL XI



**GENERATOR FENCE & GATE BONDING DETAIL**

NO SCALE  
DETAIL X



**DETAIL OF INDIVIDUAL SECONDARY SITE LIGHT AND POWER RUN--UNDERGROUND IN CONDUIT**

NOT TO SCALE  
DETAIL I

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

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

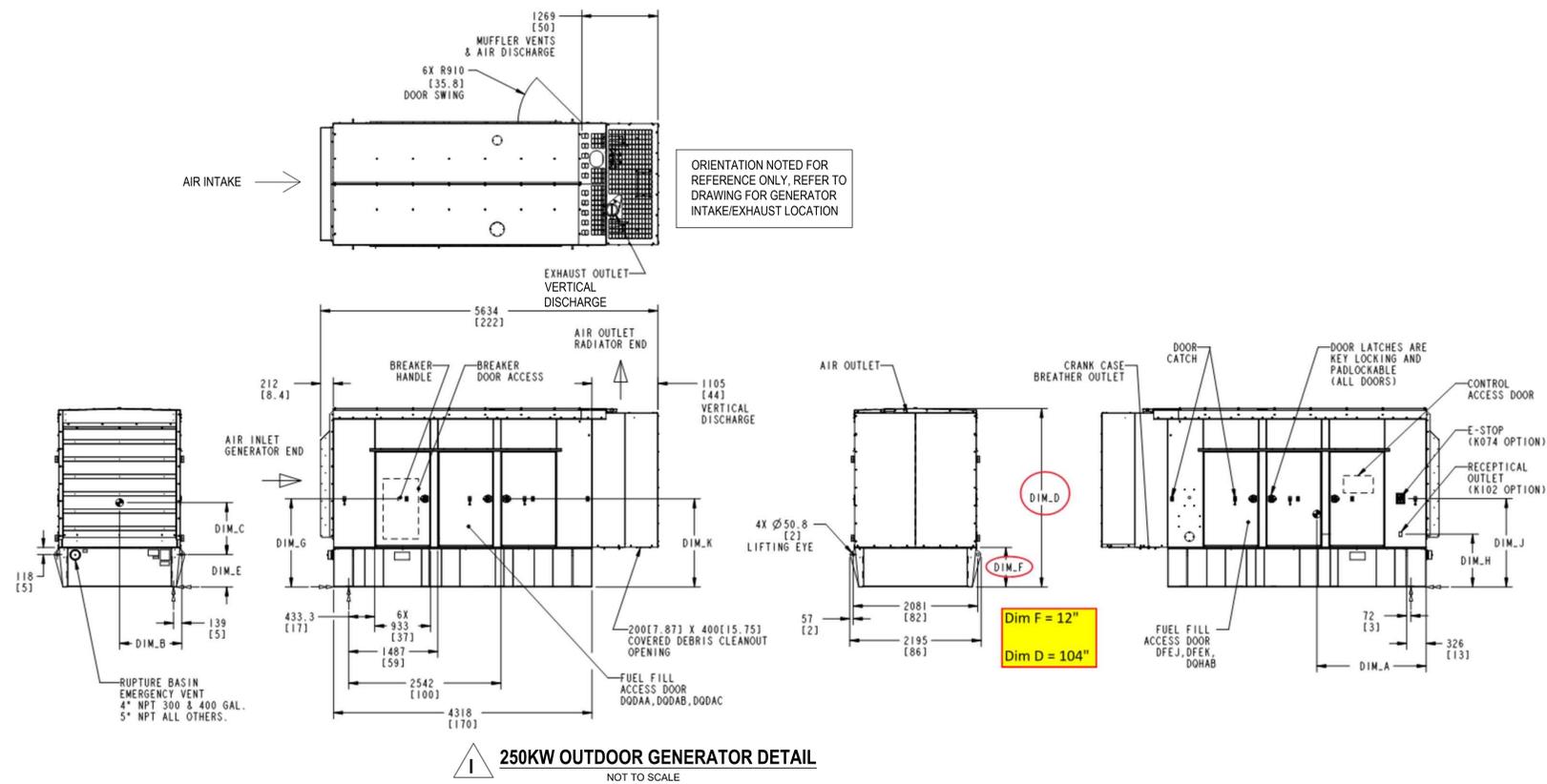
Cosentini Associates  
498 Seventh Avenue  
New York, NY 10018  
(212) 615-3600 Phone  
(212) 615-3700 Fax

Civil Engineer

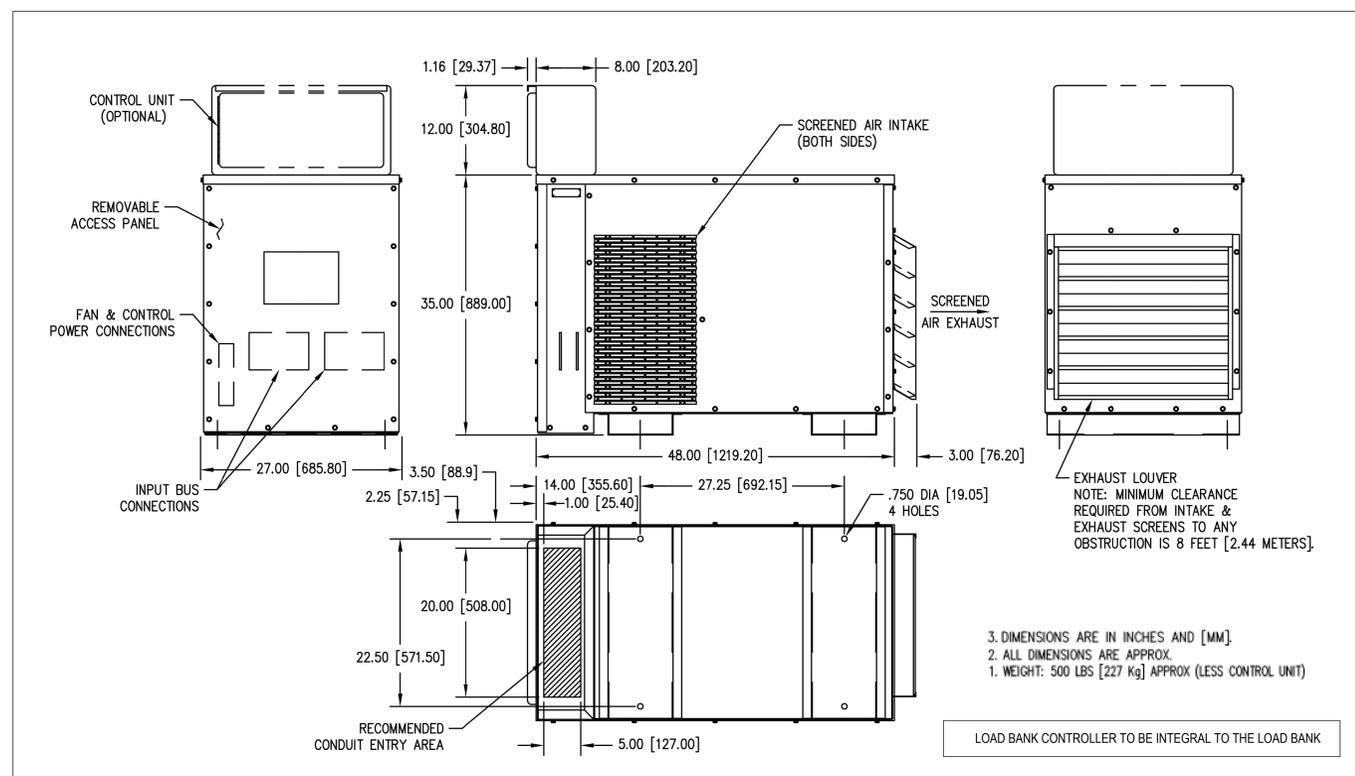
JMC  
120 Bedford Road  
Armonk, NY 10504  
(914) 273-5225 Phone  
(914) 273-2102 Fax

Landscape Architect

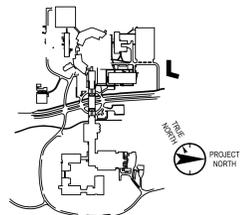
Langan  
21 Penn Plaza, 360 West 31st Street, 8th Floor  
New York, NY 10001  
(212) 479-5400 Phone  
(212) 479-5444 Fax



- NOTES:
- COORDINATE PLACEMENT OF GENERATOR INTAKE/VERTICAL DISCHARGE WITH DRAWING E-100 PRIOR TO INSTALLATION.
  - MOUNT GENERATOR, LOAD BANK, AND PORTABLE GENERATOR ON CONCRETE PAD, COORDINATE WITH ARCHITECTURAL DRAWINGS/G.C. FOR PAD REQUIREMENTS.
  - ELECTRICAL CONTRACTOR TO COORDINATE THE INSTALLATION OF OWNER FURNISHED PRE PURCHASED ITEMS SUCH AS GENERATOR, LOAD BANK, ATS, AND ROLL UP GENSET CONNECTOR. ELECTRICAL CONTRACTOR TO ACCEPT DELIVERY AND INSTALL IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND APPROVED GENERATOR SHOP DRAWING.



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

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: Electrical Drawn By: AI

**ELECTRICAL**  
DETAIL SHEET 5

Scale: NTS Floor:

**E-504**

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  
Genesler**  
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

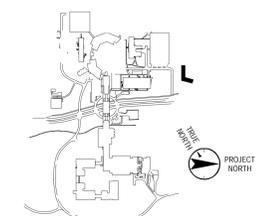
Civil Engineer

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	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 OFFICIAL RECORD FOR THE PROJECT. ANY CHANGES TO THIS SHEET MUST BE APPROVED BY THE DESIGNER AND THE CLIENT. THE DESIGNER SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED TO THE CLIENT. THE CLIENT SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED TO THE DESIGNER. THE DESIGNER SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED TO THE CLIENT. THE CLIENT SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED TO THE DESIGNER. THE DESIGNER SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED TO THE CLIENT. THE CLIENT SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED TO THE DESIGNER.

Professional Seal and Signature

Vendor Name: COSENTINI  
Vendor Project No.: 210104  
Discipline: Electrical  
Drawn By: AI  
**ELECTRICAL SCHEDULES**  
SHEET 1

Scale: \_\_\_\_\_ Floor: \_\_\_\_\_

**E-600**

**Distribution: 899-HP-1-01**

Location: ELECTRICAL 17-1-041  
Supply From: 899-ATS-1-01  
Mounting: Surface  
Enclosure: Type 1

Volts: 480/277 Wye & GRD  
Phases: 3  
Wires: 4

A.I.C. Rating: 65KAIC  
Main Type: MCB  
Main Rating: 800 A  
MCB Rating: 800 A

Notes:

CKT	Circuit Description	Tripp	Poles	A	B	C	Poles	Tripp	Circuit Description	CKT
899-HP-1-0181	PLUMBING RM. 899-EH-1-02 2#12 & 1#12G - 3/4"	20 A	1	1.29 kVA	0.81 kVA			1	20 A	899-HP-1-0282
899-HP-1-0182	899-HP-XFMR-04 (899-LP-1-04)	3		200 A	125 A	76.80 kVA	75 KVA XFMR (CLG. MTD.)			
899-HP-1-0183	899-HP-XFMR-03 (899-LP-1-02)	3		200 A	125 A	69.76 kVA	75 KVA XFMR (CLG. MTD.)			
899-HP-1-0184	899-HP-1-02	3		100 A	60 A	14.92 kVA	LIGHTING PANEL			
899-HP-1-0185	899-HP-XFMR-02 (899-LP-1-01)	3		200 A	125 A	60.84 kVA	75 KVA XFMR (CLG. MTD.)			
899-HP-1-0186	899-DWH-1-02 3#8 & 1#10G - 1"	3		60 A	60 A	30.00 kVA				
899-HP-1-0187	899-DWH-1-01 3#10 & 1#10G - 3/4"	3		30 A	20 A	12.00 kVA				
899-HP-1-0188	899-DWH-1-01 3#10 & 1#10G - 3/4"	3		200 A	125 A	98.89 kVA				
899-HP-1-0189	899-DWH-1-02 3#10 & 1#10G - 3/4"	3		200 A	125 A	98.89 kVA				
899-HP-1-0190	899-DWH-1-01 3#10 & 1#10G - 3/4"	3		30 A	20 A	12.00 kVA				
899-HP-1-0191	899-DWH-1-01 3#10 & 1#10G - 3/4"	3		30 A	25 A	17.53 kVA				
899-HP-1-0192	899-DWH-1-02 3#10 & 1#10G - 3/4"	3		30 A	25 A	17.53 kVA				
899-HP-1-0193	899-DWH-1-02 3#10 & 1#10G - 3/4"	3		30 A	25 A	17.53 kVA				
899-HP-1-0194	899-CU-R-04 3#10 & 1#10G - 3/4"	3		30 A	25 A	17.53 kVA				
899-HP-1-0195	899-CU-R-05 3#10 & 1#10G - 3/4"	3		30 A	25 A	17.53 kVA				
899-HP-1-0196	899-CU-R-05 3#10 & 1#10G - 3/4"	3		100 A	0.00 kVA		(100AMP FRAME)			
899-HP-1-0197	899-CU-R-05 3#10 & 1#10G - 3/4"	3		250 A	0.00 kVA		(400AMP FRAME)			
899-HP-1-0198	899-HP-1-0181 (SPARE FOR FUTURE SOLAR PANEL)	3								
899-HP-1-0199	899-HP-1-0181 (SPARE FOR FUTURE SOLAR PANEL)	3								
				<b>Total Conn. Load:</b>	<b>Total Amps:</b>	<b>559.85 kVA</b>	<b>673 A</b>			

**Legend:**

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
HVAC	141.57 kVA	75.00%	106.18 kVA	
Heating	287.23 kVA	100.00%	287.23 kVA	
Kitchen Equipment - Non-Dwelling Unit	8.70 kVA	65.00%	5.66 kVA	
Lighting	14.70 kVA	100.00%	14.70 kVA	
Other	59.85 kVA	85.00%	50.87 kVA	
Power	0.36 kVA	100.00%	0.36 kVA	
Receptacle	47.14 kVA	60.61%	28.57 kVA	
Spare	0.32 kVA	100.00%	0.32 kVA	
				<b>Total Conn. Load: 559.86 kVA</b>
				<b>Total Est. Demand: 493.87 kVA</b>
				<b>Total Conn. Current: 673 A</b>
				<b>Total Est. Demand Current: 584 A</b>

PANEL 899-HP-1-01 NOTES:  
1. FOR ADDITIONAL FEEDER SIZE, REFER TO POWER RISER DIAGRAM IN DRAWING E-700

**Branch Panel: 899-HP-1-02**

Location: ELEC CLOSET 17-1-013  
Supply From: 899-HP-1-01  
Mounting: Surface  
Enclosure: Type 1

Volts: 480/277 Wye & GRD  
Phases: 3  
Wires: 4

A.I.C. Rating: 65KAIC  
Main Type: MCB  
Main Rating: 100 A  
MCB Rating: 60 A

Notes:

CKT	Circuit Description	Tripp	Poles	A	B	C	Poles	Tripp	Circuit Description	CKT
899-HP-1-0281	PARKING AREA ENTRY SITE LIGHTING 2#8 & 1#8S - 1"	20 A	1	1.29 kVA	0.81 kVA			1	20 A	899-HP-1-0282
899-HP-1-0283	SPARE	20 A	1		0.00 kVA	0.55 kVA		1	20 A	899-HP-1-0284
899-HP-1-0285	PRESCHOOL 1/2 CLASSROOM/RESTROOM LIGHTING	30 A	1		1.28 kVA	1.28 kVA		1	20 A	899-HP-1-0286
899-HP-1-0287	INFANT 1-4 CLASSROOM/CHANGING STATION LTD.	20 A	1	1.51 kVA	0.41 kVA			1	20 A	899-HP-1-0288
899-HP-1-0289	TODDLER 1-4 CLASSROOM/CHANGING STATION LTD.	20 A	1	1.61 kVA	1.86 kVA			1	20 A	899-HP-1-0291
899-HP-1-0291	INFANT/TODDLER CLASSROOMS CORRIDOR LIGHTING	30 A	1		0.52 kVA	0.00 kVA		1	20 A	899-HP-1-02912
899-HP-1-02913	REOF MEP AREA LIGHTING	20 A	1	0.58 kVA	0.50 kVA			1	20 A	899-HP-1-02914
899-HP-1-02915	ELEC/WARNING STORAGE/STORAGE LIGHTING	20 A	1	0.98 kVA	0.22 kVA			1	20 A	899-HP-1-02916
899-HP-1-02917	LOBBY/RECEPTION/CORRIDOR/COPYWORK LIGHTING	20 A	1	0.88 kVA	0.22 kVA			1	20 A	899-HP-1-02918
899-HP-1-02919	BLDG. EXT. PARKING/KREPP/PRESCHL...	20 A	1	0.46 kVA	0.00 kVA			1	20 A	899-HP-1-02920
899-HP-1-02921	SPARE	20 A	1		0.00 kVA	0.00 kVA		1	20 A	899-HP-1-02922
899-HP-1-02923	TELE/DATA 899-TF-1-02	20 A	1		0.50 kVA	0.00 kVA		1	20 A	899-HP-1-02924
				<b>Total Load:</b>	<b>Total Amps:</b>	<b>5.07 kVA</b>	<b>19 A</b>			

**Legend:**

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Kitchen Equipment - Non-Dwelling Unit	13.70 kVA	100.00%	13.70 kVA	
Lighting	1.00 kVA	85.00%	0.85 kVA	
Other	0.22 kVA	100.00%	0.22 kVA	
Spare				
				<b>Total Conn. Load: 14.92 kVA</b>
				<b>Total Est. Demand: 14.77 kVA</b>
				<b>Total Conn. Current: 19 A</b>
				<b>Total Est. Demand Current: 18 A</b>

PANEL 899-HP-1-02 NOTES:  
1. FOR ADDITIONAL FEEDER SIZE, REFER TO POWER RISER DIAGRAM IN DRAWING E-700

**Branch Panel: 899-LP-1-02**

Location: ELEC CLOSET 17-1-013  
Supply From: 899-HP-XFMR-03  
Mounting: Surface  
Enclosure: Type 1

Volts: 120/208 Wye & GRD  
Phases: 3  
Wires: 4

A.I.C. Rating: 22KAIC  
Main Type: M.C.B  
Main Rating: 225 A  
MCB Rating: 225 A

Notes:

CKT	Circuit Description	Tripp	Poles	A	B	C	Poles	Tripp	Circuit Description	CKT	
899-LP-1-0281	ELEC CLOSET OUTER RING (GFCI BRK)	20 A	1	0.20 kVA	0.19 kVA			2	15 A	899-LP-1-0282	
899-LP-1-0283	MAIN ENTRY EXTERIOR LIGHTING	20 A	1	0.50 kVA	0.19 kVA			2	15 A	899-LP-1-0284	
899-LP-1-0285	LPS FIXTURES LOBBY/CONF. RM. LIGHTING	20 A	1	0.49 kVA	0.25 kVA	0.50 kVA	0.25 kVA	2	20 A	899-LP-1-0286	
899-LP-1-0287	899-AC-1-05C, 05D, 05E, AND 05F UNITS 2#10 & 1#10G - 3/4"	20 A	2	0.49 kVA	0.50 kVA			2	30 A	899-LP-1-0288	
899-LP-1-0289	GUTTER DE-ICING (GFCI BRK) 2#10 & 1#10G - 3/4"	30 A	2	0.50 kVA	0.50 kVA			2	30 A	899-LP-1-02910	
899-LP-1-02911	GUTTER DE-ICING (GFCI BRK) 2#10 & 1#10G - 3/4"	30 A	2	0.50 kVA	1.32 kVA			2	20 A	899-LP-1-02912	
899-LP-1-02913	HEAT MAT KPREP 2 - 2#10 & 1#10G - 3/4" (GFCI BREAKER)	20 A	2	0.64 kVA	1.32 kVA			2	20 A	899-LP-1-02914	
899-LP-1-02915	899-AC-04E, 04F, 05A, AND 05B UNITS 2#10 & 1#10G - 3/4"	20 A	2	0.64 kVA	0.86 kVA			2	20 A	899-LP-1-02916	
899-LP-1-02917	899-AC-1-04A, 04B, 04C, AND 04D UNITS 2#10 & 1#10G - 3/4"	20 A	2	0.86 kVA	0.86 kVA			2	20 A	899-LP-1-02918	
899-LP-1-02919	899-LP-1-02A	100 A	3	7.22 kVA	1.94 kVA			2	30 A	899-LP-1-02920	
899-LP-1-02921	HEAT MAT KPREP 1 - 2#8 & 1#10G - 3/4" (GFCI BREAKER) - ADD ALT.	20 A	2	7.18 kVA	1.94 kVA			2	30 A	899-LP-1-02922	
899-LP-1-02923	HEAT TRACING - ITEM AS (GFCI BRK)	30 A	1	0.40 kVA	2.11 kVA			3	50 A	899-LP-1-02926	
899-LP-1-02927	STORAGE TRAP PRIMERS (ITEM B)	30 A	1	0.60 kVA	2.09 kVA			3	50 A	899-LP-1-02928	
899-LP-1-02929	HEAT MAT STAFF LOUNGE 2#12 & 1#12G - 3/4" (GFCI BRK)	20 A	2	1.19 kVA	2.50 kVA			1	20 A	899-LP-1-02930	
899-LP-1-02931	HEAT TRACING - ITEM AS (GFCI BRK)	20 A	1	1.18 kVA	0.40 kVA			1	20 A	899-LP-1-02932	
899-LP-1-02933	SPARE	20 A	1	0.00 kVA	1.32 kVA			2	20 A	899-LP-1-02934	
899-LP-1-02935	PRESCHOOL/KREPP PLAYGROUND HEAT TRACING - ITEM AS (GFCI BRK)	20 A	1	0.40 kVA	1.32 kVA			2	20 A	899-LP-1-02936	
899-LP-1-02937	HEAT MAT KPREP 2 - 2#12 & 1#12G - 3/4" (GFCI BREAKER)	20 A	2	1.32 kVA	1.94 kVA			2	30 A	899-LP-1-02938	
899-LP-1-02939	HEAT MAT PRESCHOOL 2 - 2#10 & 1#10G - 3/4" (GFCI BRK) - ADD ALT.	20 A	2	1.32 kVA	1.94 kVA			2	30 A	899-LP-1-02940	
899-LP-1-02941	HEAT MAT PRESCHOOL 2 - 2#12 & 1#12G - 3/4" (GFCI BRK) - ADD ALT.	20 A	2	1.32 kVA	1.94 kVA			2	30 A	899-LP-1-02942	
899-LP-1-02943	HEAT MAT PRESCHOOL 2#10 & 1#10G - 3/4" (GFCI BRK) - ADD ALT.	30 A	2	1.94 kVA	0.50 kVA			2	20 A	899-LP-1-02944	
899-LP-1-02947	GUTTER DE-ICING (GFCI BRK) 2#10 & 1#10G - 3/4"	30 A	2	1.94 kVA	0.50 kVA			2	20 A	899-LP-1-02948	
899-LP-1-02949	SPARE	20 A	1	0.00 kVA	0.50 kVA			2	20 A	899-LP-1-02950	
899-LP-1-02951	SPARE	20 A	1	0.00 kVA	0.50 kVA			1	20 A	899-LP-1-02952	
899-LP-1-02953	SPARE	20 A	1	0.00 kVA	0.00 kVA			1	20 A	899-LP-1-02954	
899-LP-1-02955	SPARE	20 A	1	0.00 kVA	0.00 kVA			1	20 A	899-LP-1-02956	
899-LP-1-02957	SPARE	20 A	1	0.00 kVA	0.00 kVA			1	20 A	899-LP-1-02958	
899-LP-1-02959	SPARE	20 A	1	0.00 kVA	0.00 kVA			1	20 A	899-LP-1-02960	
899-LP-1-02961	SPARE	20 A	1	0.00 kVA	0.00 kVA			1	20 A	899-LP-1-02962	
899-LP-1-02963	SPARE	20 A	1	0.00 kVA	0.00 kVA			1	20 A	899-LP-1-02964	
899-LP-1-02965	SPARE	20 A	1	0.00 kVA	0.00 kVA			1	20 A	899-LP-1-02966	
				<b>Total Load:</b>	<b>Total Amps:</b>	<b>23.28 kVA</b>	<b>23.01 kVA</b>	<b>23.48 kVA</b>			
				<b>Total Amps:</b>	<b>192 A</b>	<b>192 A</b>	<b>198 A</b>				

Branch Panel: 899-LP-1-04											
Location: ELECTRICAL 17-1-041 Supply From: 899-LP-1-02 Mounting: Surface Enclosure: Type 1						Volts: 120/208 Wye & GRD Phases: 3 Wires: 4			A.I.C. Rating: 22kAIC Mains Type: M.C.B. Mains Rating: 225 A MCB Rating: 225 A		
Notes:											
CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
899-LP-1-0441	EXTERIOR PARKING SECURITY/ACCESS DEVICE (ITEM AD)	20 A	1	0.18 kVA	0.54 kVA			1	20 A	LOBBY/RECEPTION RECEPTACLES	
899-LP-1-0443	BLDG EXTERIOR NEAR SIGNAGE SECURITY/ACCESS DEVICE (ITEM AD)	20 A	1	0.18 kVA	0.54 kVA			1	20 A	EXTERIOR RECEPTACLES	
899-LP-1-0445	VESTIBULE SECURITY/ACCESS DEVICE (ITEM AD)	20 A	1			0.40 kVA	0.60 kVA	1	20 A	DRINKING FOUNTAIN RECEPTACLE	
899-LP-1-0447	DRINKING FOUNTAIN RECEPTACLE	20 A	1	0.60 kVA	0.72 kVA			1	20 A	TODDLER CLASSROOM CHANGING STATION RECEPTACLES	
899-LP-1-0449	INFANT 1/2 CLASSROOM RECEPTACLES	20 A	1			1.44 kVA	0.20 kVA	1	20 A	INFANT PLAYGROUND SECURITY/ACCESS DEVICE (ITEM AD)	
899-LP-1-0451	INFANT 2 CLASSROOM RECEPTACLES	20 A	1			1.26 kVA	0.20 kVA	1	20 A	EV CHARGING/WARMING KITCHEN AREA SEC./ACCESS DEVICE (ITEM AD)	
899-LP-1-0453	WELLNESS APPLIANCE (ITEM B2)	20 A	1	1.20 kVA	1.26 kVA			1	20 A	INFANT 1 CLASSROOM RECEPTACLES	
899-LP-1-0455	HEALTH AND SAFETY DIRECTOR OFFICE RECEPTACLES	20 A	1			0.36 kVA	0.54 kVA	1	20 A	TOILET RECEPTACLES	
899-LP-1-0457	WARMING KITCHEN RECEPTACLES	20 A	1			0.36 kVA	2.00 kVA	1	50 A	LAUNDRY DRYER RECEPTACLE 4#8 & 1#10G - 1°C	
899-LP-1-0459	LAUNDRY DRYER RECEPTACLE 4#8 & 1#10G - 1°C	50 A	2	2.00 kVA	2.00 kVA			2	50 A		
899-LP-1-0461	WARMING KITCHEN RECEPTACLES	20 A	1			2.00 kVA	12.45 kVA	1	125 A	899-LP-1-04A	
899-LP-1-0463	SECURITY/ACCESS DEVICE (ITEM AD)	20 A	1	0.20 kVA	8.30 kVA			1	125 A		
899-LP-1-0465	LAUNDRY WASHER RECEPTACLE	20 A	1			0.60 kVA	0.60 kVA	1	20 A	WARMING PANTRY APPLIANCE	
899-LP-1-0467	LAUNDRY WASHER RECEPTACLE	20 A	1			0.60 kVA	0.60 kVA	1	20 A	LAUNDRY WASHER RECEPTACLE	
899-LP-1-0469	HEALTH AND SAFETY DIRECTOR OFFICE RECEPTACLES	20 A	1	0.36 kVA	0.54 kVA			1	20 A	MEP/STORAGE RECEPTACLES	
899-LP-1-0471	WARMING KITCHEN/WATER HEATER RECEPTACLES	20 A	1			0.72 kVA	1.08 kVA	1	20 A	INFANT/TODDLER CLASSROOMS CORRIDOR RECEPTACLES	
899-LP-1-0473	WELLNESS RECEPTACLES	20 A	1			0.72 kVA	1.08 kVA	1	20 A	MOVEMENT MATTERS RECEPTACLES	
899-LP-1-0475	LAUNDRY WASHER RECEPTACLE	20 A	1	0.60 kVA	0.60 kVA			1	20 A	WARMING PANTRY APPLIANCE	
899-LP-1-0477	TODDLER 3 CLASSROOM RECEPTACLES	20 A	1			1.26 kVA	1.26 kVA	1	20 A	INFANT 4 CLASSROOM RECEPTACLES	
899-LP-1-0479	TODDLER 4 CLASSROOM RECEPTACLES	20 A	1			1.26 kVA	1.26 kVA	1	20 A	TODDLER 1 CLASSROOM RECEPTACLES	
899-LP-1-0481	LOBBY/RECEPTION DESK RECEPTACLE	20 A	1	0.72 kVA	1.08 kVA			1	20 A	INFANT CLASSROOM CHANGING STATION RECEPTACLES	
899-LP-1-0483	TODDLER 1/2 CLASSROOM RECEPTACLES	20 A	1			1.44 kVA	0.00 kVA	1	20 A	ASCO 920 RELAY 899-RC-01	
899-LP-1-0485	TODDLER 3/4 CLASSROOM RECEPTACLES	20 A	1			1.44 kVA	0.10 kVA	1	20 A	ACI ATTS AND GEN MONITORING PANEL	
899-LP-1-0487	TODDLER 2 CLASSROOM RECEPTACLES	20 A	1	1.26 kVA	1.26 kVA			1	20 A	INFANT 3 CLASSROOM RECEPTACLES	
899-LP-1-0489	WATER HEATER RM. TRAP PRIMERS ITEM B3	20 A	1			0.30 kVA	0.17 kVA	1	40 A	WARMING KITCHEN KITCHEN APPLIANCE AS 4#8 & 1#10G - 3/4°C	
899-LP-1-0491	WARMING KITCHEN ITEM A9 - WATER COOLER	20 A	1			0.60 kVA	0.17 kVA	3	40 A		
899-LP-1-0493	INFANT 3/4 CLASSROOM RECEPTACLES	20 A	1	1.44 kVA	0.17 kVA			1	20 A		
899-LP-1-0495	LAUNDRY KITCHEN APPLIANCE AS 4#8 & 1#10G - 3/4°C	40 A	3			0.17 kVA	0.17 kVA	3	40 A	STAFF LOUNGE KITCHEN APPLIANCE AS 4#8 & 1#10G - 3/4°C	
899-LP-1-0497	Spare	20 A	1			0.00 kVA	0.00 kVA	1	20 A		
899-LP-1-0499	Spare	20 A	1			0.00 kVA	0.00 kVA	1	20 A		
899-LP-1-0501	Spare	20 A	1	0.00 kVA	0.00 kVA			1	20 A		
899-LP-1-0503	Spare	20 A	1			0.00 kVA	0.00 kVA	1	20 A		
899-LP-1-0505	Spare	20 A	1			0.00 kVA	0.00 kVA	1	20 A		
899-LP-1-0507	Spare	20 A	1			0.00 kVA	0.00 kVA	1	20 A		
899-LP-1-0509	Spare	20 A	1			0.00 kVA	0.00 kVA	1	20 A		
899-LP-1-0511	Spare	20 A	1			0.00 kVA	0.00 kVA	1	20 A		
899-LP-1-0513	Spare	20 A	1			0.00 kVA	0.00 kVA	1	20 A		
899-LP-1-0515	Spare	20 A	1			0.00 kVA	0.00 kVA	1	20 A		
899-LP-1-0517	Spare	20 A	1			0.00 kVA	0.00 kVA	1	20 A		
899-LP-1-0519	Spare	20 A	1			0.00 kVA	0.00 kVA	1	20 A		
899-LP-1-0521	Spare	20 A	1			0.00 kVA	0.00 kVA	1	20 A		
899-LP-1-0523	Spare	20 A	1			0.00 kVA	0.00 kVA	1	20 A		
				<b>Total Load:</b>	25.36 kVA	25.47 kVA					
				<b>Total Amps:</b>	211 A	212 A			217 A		
<b>Legend:</b>											
<b>Load Classification</b>		<b>Connected Load</b>	<b>Demand Factor</b>	<b>Estimated Demand</b>	<b>Panel Totals</b>						
Kitchen Equipment - Non-Dwelling Unit		5.70 kVA	85.00%	3.71 kVA	<b>Total Conn. Load:</b> 76.80 kVA						
Other		42.86 kVA	85.00%	36.43 kVA	<b>Total Est. Demand:</b> 59.31 kVA						
Receptacle		28.14 kVA	67.77%	19.07 kVA	<b>Total Conn. Current:</b> 213 A						
Spare		0.10 kVA	100.00%	0.10 kVA	<b>Total Est. Demand Current:</b> 165 A						

PANEL SCHEDULE NOTES:

- ALL WIRING SHALL BE #12 & #12G - 3/4" UNLESS OTHERWISE NOTED.
- ALL RUNS OF 75 FEET SHALL BE #10 AWG.
- ENERGY METERS NOTED ON E-700 MAYBE INTEGRATED INTO THE PANELBOARD IN LIEU OF PROVIDING A SEPARATE WALL MOUNTED UNIT.

Branch Panel: 899-LP-1-05											
Location: TELE/ATA 17-1-027 Supply From: 899-LP-1-02 Mounting: Surface Enclosure: Type 1						Volts: 120/208 Wye & GRD Phases: 3 Wires: 4			A.I.C. Rating: 22kAIC Mains Type: M.C.B. Mains Rating: 100 A MCB Rating: 50 A		
Notes:											
CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
899-LP-1-0541	TELE/ATA 8MS PANEL (LOCKABLE TYP. BRK. SEE...)	20 A	1	0.18 kVA	0.18 kVA			1	20 A	TELE/ATA SECURITY PANEL (LOCKABLE TYP. BRK.)	
899-LP-1-0543	TELE/ATA SECURITY PANEL (LOCKABLE TYP. BRK. SEE...)	20 A	1	0.18 kVA	1.16 kVA			1	20 A	TELE/ATA RECEPTACLES	
899-LP-1-0545	TELE/ATA RECEPTACLES	20 A	1			1.00 kVA	0.75 kVA	2	30 A	TELE/ATA L6-30R IT RECEPTACLE 2#10 & 1#10G - 3/4°C (UPS UNIT)	
899-LP-1-0547	TELE/ATA IT RECEPTACLE L5-20R	20 A	1	1.00 kVA	0.75 kVA			2	30 A		
899-LP-1-0549	TELE/ATA L6-30R IT RECEPTACLE 2#10 & 1#10G - 3/4°C (UPS UNIT)	30 A	2			0.75 kVA	0.00 kVA	1	20 A	Spare	
899-LP-1-0551	Spare	20 A	1	0.00 kVA	0.00 kVA			1	20 A	Spare	
899-LP-1-0553	Spare	20 A	1	0.00 kVA	0.00 kVA			1	20 A	Spare	
899-LP-1-0555	Spare	20 A	1	0.00 kVA	0.00 kVA			1	20 A	Spare	
899-LP-1-0557	Spare	20 A	1	0.00 kVA	0.00 kVA			1	20 A	Spare	
899-LP-1-0559	Spare	20 A	1	0.00 kVA	0.00 kVA			1	20 A	Spare	
899-LP-1-0561	Spare	20 A	1	0.00 kVA	0.00 kVA			1	20 A	Spare	
899-LP-1-0563	Spare	20 A	1	0.00 kVA	0.00 kVA			1	20 A	Spare	
899-LP-1-0565	Spare	20 A	1	0.00 kVA	0.00 kVA			1	20 A	Spare	
899-LP-1-0567	Spare	20 A	1	0.00 kVA	0.00 kVA			1	20 A	Spare	
899-LP-1-0569	Spare	20 A	1	0.00 kVA	0.00 kVA			1	20 A	Spare	
899-LP-1-0571	Spare	20 A	1	0.00 kVA	0.00 kVA			1	20 A	Spare	
899-LP-1-0573	Spare	20 A	1	0.00 kVA	0.00 kVA			1	20 A	Spare	
				<b>Total Load:</b>	2.11 kVA	2.09 kVA			2.50 kVA		
				<b>Total Amps:</b>	16 A	17 A			21 A		
<b>Legend:</b>											
<b>Load Classification</b>		<b>Connected Load</b>	<b>Demand Factor</b>	<b>Estimated Demand</b>	<b>Panel Totals</b>						
Other		6.34 kVA	85.00%	5.39 kVA	<b>Total Conn. Load:</b> 6.70 kVA						
Receptacle		0.36 kVA	100.00%	0.36 kVA	<b>Total Est. Demand:</b> 5.75 kVA						
					<b>Total Conn. Current:</b> 19 A						
					<b>Total Est. Demand Current:</b> 16 A						

PANEL 899-LP-1-05 NOTES:

- PROVIDE LOCKABLE TYPE CIRCUIT BREAKER.

Branch Panel: 899-LP-1-04A											
Location: ELECTRICAL 17-1-041 Supply From: 899-LP-1-04 Mounting: Surface Enclosure: Type 1						Volts: 120/208 Wye & GRD Phases: 3 Wires: 4			A.I.C. Rating: 22kAIC Mains Type: M.C.B. Mains Rating: 125 A MCB Rating: 125 A		
Notes:											
CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
899-LP-1-04A1	EV CAR CHARGERS (SEE NOTE 1) **	50 A	2	4.15 kVA	4.15 kVA			2	50 A	EV CAR CHARGERS (SEE NOTE 1) **	
899-LP-1-04A3	EV CAR CHARGERS (SEE NOTE 1) **	50 A	2	4.15 kVA	4.15 kVA			2	50 A	EV CAR CHARGERS (SEE NOTE 1) **	
899-LP-1-04A5	EV CAR CHARGERS (SEE NOTE 1) **	50 A	2	4.15 kVA	0.00 kVA			1	20 A	Spare	
899-LP-1-04A7	EV CAR CHARGERS (SEE NOTE 1) **	50 A	2	4.15 kVA	0.00 kVA			1	20 A	Spare	
899-LP-1-04A9	EV CAR CHARGERS (SEE NOTE 1) **	50 A	2	4.15 kVA	0.00 kVA			1	20 A	Spare	
899-LP-1-04A11	EV CAR CHARGERS (SEE NOTE 1) **	50 A	2	4.15 kVA	0.00 kVA			1	20 A	Spare	
899-LP-1-04A13	Spare	20 A	1	0.00 kVA	0.00 kVA			1	20 A	Spare	
899-LP-1-04A15	Spare	20 A	1	0.00 kVA	0.00 kVA			1	20 A	Spare	
899-LP-1-04A17	Spare	20 A	1	0.00 kVA	0.00 kVA			1	20 A	Spare	
899-LP-1-04A19	Spare	20 A	1	0.00 kVA	0.00 kVA			1	20 A	Spare	
899-LP-1-04A21	Spare	20 A	1	0.00 kVA	0.00 kVA			1	20 A	Spare	
899-LP-1-04A23	Spare	20 A	1	0.00 kVA	0.00 kVA			1	20 A	Spare	
				<b>Total Load:</b>	12.45 kVA	12.45 kVA			8.30 kVA		
				<b>Total Amps:</b>	109 A	109 A			69 A		
<b>Legend:</b>											
<b>Load Classification</b>		<b>Connected Load</b>	<b>Demand Factor</b>	<b>Estimated Demand</b>	<b>Panel Totals</b>						
Other		33.20 kVA	85.00%	28.22 kVA	<b>Total Conn. Load:</b> 33.20 kVA						
					<b>Total Est. Demand:</b> 28.22 kVA						
					<b>Total Conn. Current:</b> 92 A						
					<b>Total Est. Demand Current:</b> 76 A						

PANEL 899-LP-1-04A NOTES:

- RUN TWO EV CAR CHARGERS POWER FEED IN A SINGLE CONDUIT WITH #6 & #6G - 1 1/4".
- PANEL 899-LP-1-04A SHALL BE WIRED TO 125A ASCO RELAY PANEL 899-RC-01 MOUNTED ABOVE PANEL 899-LP-1-04A. PROVIDE #14 - 3/4" FROM RELAY PANEL TO ATS FOR LOCK-OUT OF EV CHARGERS UPON ACTIVATION OF THE GENERATOR.

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**  
**Genster**  
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 10018  
(917) 661-7800 Phone  
(917) 661-7800 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

LIGHTING CONTROL ZONE LOAD SCHEDULE										
CONTROL ZONE	DESCRIPTION	FIXTURE TYPE	QTY.	NON-DIM	ELV	0-10V	WATTS	TOTAL LOAD	QTY. OF CKTS.	REMARKS
<b>17-1-001 - VESTIBULE</b>										
LZ1	DOWNLIGHTS	LS1	4			X	10 PER FIXT.	40W	1	
<b>17-1-002 - LOBBY / RECEPTION</b>										
LZ2	RECESSED ADJUSTABLE DOWNLIGHTS	LD2	14			X	24 PER FIXT.	336W	1	
LZ3	RECESSED ADJUSTABLE DOWNLIGHTS	LD2	7			X	24 PER FIXT.	168W	1	
LZ4	PENDANTS	LP3	3			X	64 PER FIXT.	30W	1	
LZ102	RECESSED DOWNLIGHT	LD1	1			X	15 PER FIXT.	15W	1	
<b>17-1-003 - DIRECTOR'S OFFICE</b>										
LZ5	DOWNLIGHTS	LD1	6			X	15 PER FIXT.	90W	1	
<b>17-1-004 - CONFERENCE</b>										
LZ6	DOWNLIGHTS	LD1	4			X	15 PER FIXT.	60W	1	
LZ7	PENDANTS	LP3	2			X	10 PER FIXT.	20W	1	
<b>17-1-005 - INNOVATION STUDIO</b>										
LZ8	2X2 CEILING GRID INTEGRATED LIGHTING	LR2	1			X	64 PER FIXT.	64W	1	
LZ8	2X4 CEILING GRID INTEGRATED LIGHTING	LR3	2			X	96 PER FIXT.	192W	1	
LZ8	4X4 CEILING GRID INTEGRATED LIGHTING	LR4	1			X	128 PER FIXT.	128W	1	
LZ9	2X2 CEILING GRID INTEGRATED LIGHTING	LR2	1			X	64 PER FIXT.	64W	1	
LZ9	2X4 CEILING GRID INTEGRATED LIGHTING	LR3	2			X	96 PER FIXT.	192W	1	
LZ9	4X4 CEILING GRID INTEGRATED LIGHTING	LR4	1			X	128 PER FIXT.	128W	1	
<b>17-1-006 - JC</b>										
LZ10	2X4 RECESSED	LR1	1	X			50 PER FIXT.	50W	1	
<b>17-1-007 - STORAGE</b>										
LZ11	2X4 RECESSED	LR1	1	X			50 PER FIXT.	50W	1	
<b>17-1-008 - COPY / WORK</b>										
LZ12	DOWNLIGHTS	LD1	4			X	15 PER FIXT.	60W	1	
<b>17-1-009 - STAFF TOILET</b>										
LZ13	2X4 RECESSED	LR1	2			X	15 PER FIXT.	30W	1	
<b>17-1-010 &amp; 011 - STAFF LOUNGE / LEARNING RESOURCE CENTER</b>										
LZ14	2X4 CEILING GRID INTEGRATED LIGHTING	LR3	2			X	96 PER FIXT.	192W	1	
LZ14	2X2 CEILING GRID INTEGRATED LIGHTING	LR2	2			X	64 PER FIXT.	128W	1	
LZ15	PENDANTS	LP2	4			X	30 PER FIXT.	120W	1	
<b>17-1-012 - STORAGE</b>										
LZ16	2X4 RECESSED	LR1	1	X			50 PER FIXT.	50W	1	
<b>17-1-013 - ELECTRICAL CLOSET</b>										
LZ17	LINEAR LED SURFACE OR SUSPENDED	A	1	X			50 PER FIXT.	50W	1	
<b>17-1-014 - PRESCHOOL 1</b>										
LZ18	2X2 CEILING GRID INTEGRATED LIGHTING	LR2	2			X	64 PER FIXT.	128W	1	
LZ19	2X4 CEILING GRID INTEGRATED LIGHTING	LR3	3			X	96 PER FIXT.	288W	1	
LZ18	4X4 CEILING GRID INTEGRATED LIGHTING	LR4	1			X	128 PER FIXT.	128W	1	
LZ20	PENDANTS	LP2	3			X	30 PER FIXT.	90W	1	
LZ21	PENDANTS	LP2	6			X	30 PER FIXT.	180W	1	
LZ22	TOILET DOWNLIGHTS	LD1	1	X			15 PER FIXT.	15W	1	
LZ23	TOILET DOWNLIGHTS	LD1	1	X			15 PER FIXT.	15W	1	
LZ24	STORAGE DOWNLIGHT	LD1	1	X			15 PER FIXT.	15W	1	
<b>17-1-015 - PRESCHOOL 2</b>										
LZ25	2X2 CEILING GRID INTEGRATED LIGHTING	LR2	2			X	64 PER FIXT.	128W	1	
LZ26	2X4 CEILING GRID INTEGRATED LIGHTING	LR3	3			X	96 PER FIXT.	288W	1	
LZ25	4X4 CEILING GRID INTEGRATED LIGHTING	LR4	1			X	128 PER FIXT.	128W	1	
LZ27	PENDANTS	LP2	3			X	30 PER FIXT.	90W	1	
LZ28	PENDANTS	LP2	6			X	30 PER FIXT.	180W	1	
LZ29	TOILET DOWNLIGHTS	LD1	1	X			15 PER FIXT.	15W	1	
LZ30	TOILET DOWNLIGHTS	LD1	1	X			15 PER FIXT.	15W	1	
LZ31	STORAGE DOWNLIGHT	LD1	1	X			15 PER FIXT.	15W	1	
<b>17-1-016 - K-PREP 1</b>										
LZ32	2X2 CEILING GRID INTEGRATED LIGHTING	LR2	2			X	64 PER FIXT.	128W	1	
LZ33	2X4 CEILING GRID INTEGRATED LIGHTING	LR3	3			X	96 PER FIXT.	288W	1	
LZ32	4X4 CEILING GRID INTEGRATED LIGHTING	LR4	1			X	128 PER FIXT.	128W	1	
LZ34	PENDANTS	LP2	3			X	30 PER FIXT.	90W	1	
LZ35	PENDANTS	LP2	6			X	30 PER FIXT.	180W	1	
LZ36	TOILET DOWNLIGHTS	LD1	1	X			15 PER FIXT.	15W	1	
LZ37	TOILET DOWNLIGHTS	LD1	1	X			15 PER FIXT.	15W	1	
LZ38	STORAGE DOWNLIGHT	LD1	1	X			15 PER FIXT.	15W	1	
<b>17-1-017 - K-PREP 2</b>										
LZ39	2X2 CEILING GRID INTEGRATED LIGHTING	LR2	2			X	64 PER FIXT.	128W	1	
LZ40	2X4 CEILING GRID INTEGRATED LIGHTING	LR3	3			X	96 PER FIXT.	288W	1	
LZ39	4X4 CEILING GRID INTEGRATED LIGHTING	LR4	1			X	128 PER FIXT.	128W	1	
LZ41	PENDANTS	LP2	3			X	30 PER FIXT.	90W	1	
LZ42	PENDANTS	LP2	6			X	30 PER FIXT.	180W	1	
LZ43	TOILET DOWNLIGHTS	LD1	1	X			15 PER FIXT.	15W	1	
LZ44	TOILET DOWNLIGHTS	LD1	1	X			15 PER FIXT.	15W	1	
LZ45	STORAGE DOWNLIGHT	LD1	1	X			15 PER FIXT.	15W	1	
<b>17-1-018 - PLUMBING</b>										
LZ46	LINEAR LED SURFACE OR SUSPENDED	A	3	X			50 PER FIXT.	150W	1	
<b>17-1-019 - STORAGE</b>										
LZ47	2X4 RECESSED	LR1	2	X			50 PER FIXT.	100W	1	
<b>17-1-020 - CORRIDOR</b>										
LZ48	LED SURFACE MOUNTED DOWNLIGHT	LS1	20			X	10 PER FIXT.	200W	1	
LZ49	LED SURFACE MOUNTED DOWNLIGHT	LS1	19			X	10 PER FIXT.	190W	1	
LZ101	LED RECESSED DOWNLIGHT AT EXIT VESTIBULE	LD1	1			X	15 PER FIXT.	15W	1	
<b>17-1-021 - CORRIDOR</b>										
LZ105	LED SURFACE MOUNTED DOWNLIGHT	LD1	4			X	15 PER FIXT.	60W	1	
<b>17-1-022 - CORRIDOR</b>										
LZ50	LED SURFACE MOUNTED DOWNLIGHT	LS1	19			X	10 PER FIXT.	190W	1	
LZ51	LED SURFACE MOUNTED DOWNLIGHT	LS1	19			X	10 PER FIXT.	190W	1	
LZ109	LED RECESSED DOWNLIGHT AT EXIT VESTIBULE	LD1	2			X	15 PER FIXT.	30W	1	
LZ107	LED SURFACE MOUNTED DOWNLIGHT	LS1	4			X	10 PER FIXT.	40W	1	
LZ108	LED SURFACE MOUNTED DOWNLIGHT	LS1	5			X	10 PER FIXT.	50W	1	
<b>17-1-023 - MOVEMENT MATTERS ZONE</b>										
LZ52	2X2 CEILING GRID INTEGRATED LIGHTING	LR2	1			X	64 PER FIXT.	64W	1	
LZ52	2X4 CEILING GRID INTEGRATED LIGHTING	LR3	2			X	96 PER FIXT.	192W	1	
LZ52	4X4 CEILING GRID INTEGRATED LIGHTING	LR4	1			X	128 PER FIXT.	128W	1	
LZ53	2X2 CEILING GRID INTEGRATED LIGHTING	LR2	2			X	64 PER FIXT.	128W	1	
LZ53	2X4 CEILING GRID INTEGRATED LIGHTING	LR3	2			X	96 PER FIXT.	192W	1	
<b>17-1-024 - STORAGE</b>										
LZ106	2X4 RECESSED	LR1	1	X			50 PER FIXT.	50W	1	
<b>17-1-025 - TOILET</b>										
LZ54	RECESSED DOWNLIGHT	LD1	2	X			15 PER FIXT.	30W	1	
<b>17-1-026 - HEALTH &amp; SAFETY DIRECTOR</b>										
LZ55	RECESSED DOWNLIGHT	LD1	4			X	15 PER FIXT.	60W	1	
<b>17-1-027 - TELE / DATA</b>										
LZ56	LINEAR LED SURFACE OR SUSPENDED	A	1	X			50 PER FIXT.	50W	1	
<b>17-1-028 - CAR SEAT AND STROLLER STORAGE</b>										
LZ57	RECESSED DOWNLIGHT	LD1	4	X			15 PER FIXT.	60W	1	
<b>17-1-029 - WELLNESS</b>										
LZ58	RECESSED DOWNLIGHT	LD1	4	X			15 PER FIXT.	60W	1	
<b>17-1-030 - TOILET</b>										
LZ59	RECESSED DOWNLIGHT	LD1	2	X			15 PER FIXT.	30W	1	
<b>17-1-031 - TOILET</b>										
LZ60	RECESSED DOWNLIGHT	LD1	2	X			15 PER FIXT.	30W	1	

LIGHTING CONTROL ZONE LOAD SCHEDULE										
CONTROL ZONE	DESCRIPTION	FIXTURE TYPE	QTY.	NON-DIM	ELV	0-10V	WATTS	TOTAL LOAD	QTY. OF CKTS.	REMARKS
<b>17-1-032 - INFANT 1</b>										
LZ80	2X2 CEILING GRID INTEGRATED LIGHTING	LR2	2			X	64 PER FIXT.	128W	1	
LZ80	2X4 CEILING GRID INTEGRATED LIGHTING	LR3	1			X	96 PER FIXT.	96W	1	
LZ81	2X4 CEILING GRID INTEGRATED LIGHTING	LR3	2			X	96 PER FIXT.	192W	1	
LZ81	4X4 CEILING GRID INTEGRATED LIGHTING	LR4	1			X	128 PER FIXT.	128W	1	
LZ82	RECESSED DOWNLIGHT	LD1	2			X	15 PER FIXT.	30W	1	
LZ83	WALL SCONCE	LS2	1			X	10 PER FIXT.	10W	1	
LZ84	TOILET INFANT 3 & 4	LD1	6	X			15 PER FIXT.	90W	1	
<b>17-1-033 - INFANT 2</b>										
LZ85	2X2 CEILING GRID INTEGRATED LIGHTING	LR2	2			X	64 PER FIXT.	128W	1	
LZ85	2X4 CEILING GRID INTEGRATED LIGHTING	LR3	1			X	96 PER FIXT.	96W	1	
LZ86	2X4 CEILING GRID INTEGRATED LIGHTING	LR3	2			X	96 PER FIXT.	192W	1	
LZ86	4X4 CEILING GRID INTEGRATED LIGHTING	LR4	1			X	128 PER FIXT.	128W	1	
LZ87	RECESSED DOWNLIGHT	LD1	2			X	15 PER FIXT.	30W	1	
LZ88	WALL SCONCE	LS2	1			X	10 PER FIXT.	10W	1	
<b>17-1-034 - INFANT 3</b>										
LZ89	2X2 CEILING GRID INTEGRATED LIGHTING	LR2	2			X	64 PER FIXT.	128W	1	
LZ89	2X4 CEILING GRID INTEGRATED LIGHTING	LR3	1			X	96 PER FIXT.	96W	1	
LZ90	2X4 CEILING GRID INTEGRATED LIGHTING	LR3	2			X	96 PER FIXT.	192W	1	
LZ90	4X4 CEILING GRID INTEGRATED LIGHTING	LR4	1			X	128 PER FIXT.	128W	1	
LZ91	RECESSED DOWNLIGHT	LD1	2			X	15 PER FIXT.	30W	1	
LZ92	WALL SCONCE	LS2	1			X	10 PER FIXT.	10W	1	
LZ93	TOILET INFANT 3 & 4	LD1	6	X			15 PER FIXT.	90W	1	
<b>17-1-035 - INFANT 4</b>										
LZ94	2X2 CEILING GRID INTEGRATED LIGHTING	LR2	2			X	64 PER FIXT.	128W	1	
LZ94	2X4 CEILING GRID INTEGRATED LIGHTING	LR3	1			X	96 PER FIXT.	96W	1	
LZ95	2X4 CEILING GRID INTEGRATED LIGHTING	LR3	2			X	96 PER FIXT.	192W	1	
LZ95	4X4 CEILING GRID INTEGRATED LIGHTING	LR4	1			X	128 PER FIXT.	128W	1	
LZ96	RECESSED DOWNLIGHT	LD1	2			X	15 PER FIXT.	30W	1	
LZ97	WALL SCONCE	LS2	1			X	10 PER FIXT.	10W	1	
<b>17-1-036 - TODDLER 1</b>										
LZ61	2X2 CEILING GRID INTEGRATED LIGHTING	LR2	2			X	64 PER FIXT.	128W	1	
LZ61	2X4 CEILING GRID INTEGRATED LIGHTING	LR3	1			X	96 PER FIXT.	96W	1	
LZ62	2X4 CEILING GRID INTEGRATED LIGHTING	LR3	2			X	96 PER FIXT.	192W	1	
LZ62	4X4 CEILING GRID INTEGRATED LIGHTING	LR4	1			X	128 PER FIXT.	128W	1	
LZ63	RECESSED DOWNLIGHT	LD1	2			X	15 PER FIXT.	30W	1	
LZ64	WALL SCONCE	LS2	1			X	10 PER FIXT.	10W	1	
LZ65	TOILET TODDLER 1 & 2	LD1	6	X			15 PER FIXT.	90W	1	
<b>17-1-037 - TODDLER 2</b>										
LZ66	2X2 CEILING GRID INTEGRATED LIGHTING	LR2	2			X	64 PER FIXT.	128W	1	
LZ66	2X4 CEILING GRID INTEGRATED LIGHTING	LR3	1			X	96 PER FIXT.	96W	1	
LZ67	2X4 CEILING GRID INTEGRATED LIGHTING	LR3	2			X	96 PER FIXT.	192W	1	
LZ67	4X4 CEILING GRID INTEGRATED LIGHTING	LR4	1			X	128 PER FIXT.	128W	1	
L										



