

SCHOOL BOARD PRESIDENT

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CHIEF SCHOOL ADMINISTRATOR

[Signature]
SIGNATURE

ESIP AT RUSSELL O. BRACKMAN MIDDLE SCHOOL

600 BARNEGAT BLVD N,
BARNEGAT, NJ 08005

FOR
THE

BARNEGAT BOARD OF EDUCATION

600 BARNEGAT BOULEVARD N,
BARNEGAT, NJ 08005

SUPERINTENDENT: DR. BRIAN LATWIS
BUSINESS ADMINISTRATOR: STEPHEN BRENNAN

SPIEZLE COMMISSION NUMBER: 20K019

DOE STATE PROJECT NUMBER(S): 29-0185-050-21-1000

JOHNSON & URBAN LLC.
MEP ENGINEERS



CHA CONSULTANTS
ESIP ENGINEERS

SPIEZLE ARCHITECTURAL GROUP, INC
1395 YARDVILLE HAMILTON SQUARE ROAD, SUITE 2A HAMILTON, NJ
08691
PHONE: 609.695.7400 FAX: 609.394.2274
WWW.SPIEZLE.COM

DOE SUBMISSION: 9/28/20

DOE SCHEMATIC SUBMISSION

ESIP AT RUSSELL O.
BRACKMAN MIDDLE
SCHOOL

20K019

DOE1.0



SPIEZE ARCHITECTURAL GROUP, INC.
1395 YARDVILLE HAMILTON SQUARE ROAD
SUITE 2A
HAMILTON, NJ 08611
Phone: 609-695-7400

SIGNATURE:
THOMAS S. PERRINO 2 IAD1 200400
SCOTT S. DOMINE 2 IAD1 167400
STEVEN L. LORIE 2 IAD1 170100
STEVEN G. SIEGEL 2 IAD1 154200
SPIEZE ARCHITECTURAL GROUP, INC. 2 IAD1 000200

SEAL:

CONSULTANTS:

APPLICABLE CODES (NJ)

1. NJ UNIFORM CONSTRUCTION CODE - N.J.A.C. 5:23
2. INTERNATIONAL BUILDING CODE - 2018 NEW JERSEY EDITION
3. NATIONAL STANDARD PLUMBING CODE - 2018
4. NATIONAL ELECTRICAL CODE (NFPA 70) - 2017
5. ENERGY SUBCODE - ASHRAE 90.1-2016
6. INTERNATIONAL MECHANICAL CODE - 2018
7. INTERNATIONAL FUEL GAS CODE - 2018
8. REHABILITATION SUBCODE - N.J.A.C. 5:23-8
9. BARRIER FREE SUBCODE, CHAPTER 11 OF BC-2018 & ICCANSI A117.1-2009
10. ELEVATOR SUBCODE - N.J.A.C. 5:23-12

DOE SCHEMATIC SUBMISSION

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ESIP AT RUSSELL O. BRACKMAN MIDDLE SCHOOL

600 BARNEGAT BLVD N,
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FOR:
BARNEGAT BOARD OF EDUCATION

600 BARNEGAT BOULEVARD N,
BARNEGAT, NJ 08005

FOR CODE REVIEW: DDMMYYYY

REVISIONS:	REVISION NAME	DATE
1		

FOR BID: DDMMYYYY

DRAWING TITLE:

FIRST FLOOR PLAN

COMMISSION NUMBER:
20K019

AGENCY NUMBER:
29-0185-050-21-1000
DO NOT SCALE THE DRAWINGS

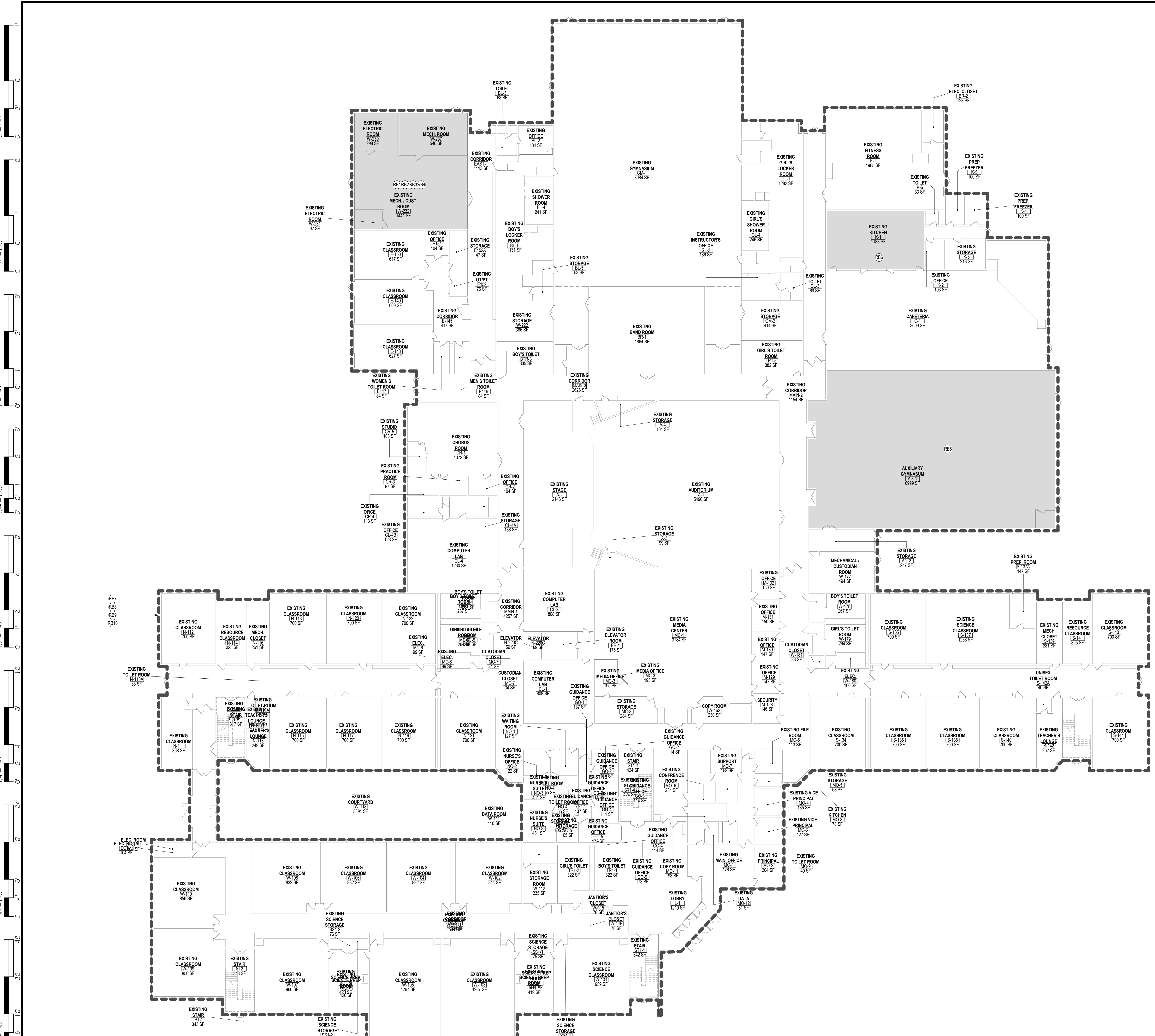
DRAWING NUMBER:
RB-DOE 1.1

GENERAL NOTES

1. THESE PROJECTS WILL NOT CHANGE ROOM AREAS OR EXISTING CEILING HEIGHTS.
2. CLASSROOMS AND INSTRUCTIONAL AREAS WILL HAVE A MINIMUM OF 50 FOOT CANDLES.
3. RECEPTION ROOMS, GYMS, AUDITORIUMS AND THE LIKE WILL HAVE A MINIMUM OF 30 FOOT CANDLES.
4. LOCKER ROOMS, CORRIDORS, TOILET ROOMS AND STAIRS WILL HAVE A MINIMUM OF 10 FOOT CANDLES.
5. NEW SOLAR CANOPIES IN THE PARKING LOTS WILL NOT CHANGE THE EXISTING TRAFFIC PATTERNS.

DOE RB KEYNOTE LEGEND

Key Value	Keynote Text
RB1	HVAC SYSTEMS MEASURES - REMOVE 2 BOILERS INSTALLED IN 2008 AND INSTALL 2 NEW 1200 MBH HIGH EFFICIENCY, CONDENSING, MODULATION NATURAL GAS FIRED BOILERS.
RB2	HVAC SYSTEMS MEASURES - REPLACE 2 DOMESTIC HOT WATER HEATERS WITH 2 NEW HIGH EFFICIENCY 500 MBH DOMESTIC HOT WATER HEATERS.
RB3	HVAC SYSTEMS MEASURES - REPLACE EXISTING MOTORS WITH INVERTER-DUTY RATED, PREMIUM HIGH EFFICIENCY MOTOR WITH VFDs INSTALLED ON EXISTING HWHPs.
RB4	HVAC SYSTEMS MEASURES - REPLACE EXISTING NON-OPERATIONAL WSHPS WITH NEW HIGH EFFICIENCY UNITS TO FEED EXISTING AHUS.
RB5	CONTROLS SYSTEM UPGRADES - INSTALL CO2 SENSORS IN AUXILIARY GYMNASIUM SPACES TO ALLOW OA VENTILATION TO BE REDUCED AS INDOOR CONDITIONS ALLOW.
RB6	CONTROLS SYSTEM UPGRADES - REPLACE EXISTING EVAPORATOR FAN MOTORS WITH HIGH EFFICIENCY EC MOTORS AND INSTALL CONTROLS ON EXISTING WALK-IN REFRIGERATOR AND FREEZER.
RB7	CONTROLS SYSTEM UPGRADES - INSTALL OCCUPANCY-BASED CONTROLS ON 6 VENDING MACHINES.
RB8	INTERIOR LED LIGHTING UPGRADES - CONVERT ALL NON-LED FIXTURES AND LAMPS TO LED. ALL LINEAR FLUORESCENT LAMP CONVERSIONS TO BE SELF-DRIVEN BALLAST BYPASS LED LAMPS. ALL OTHER LIGHTING CONVERSIONS WILL BE A COMBINATION OF PLUG-AND-PLAY (PAP) LAMPS AND NEW LED FIXTURES. INSTALL OCCUPANCY-DAYLIGHT-DIMMING LIGHTING CONTROLS ON ALL FIXTURES.
RB9	EXTERIOR LED LIGHTING UPGRADES - REMOVE ALL EXTERIOR HID LAMPS AND CFLS AND REPLACE WITH LED LIGHTING LAMPS AND FIXTURES AND INSTALL LIGHTING CONTROLS.
RB10	INSTALL LOW FLOW AERATORS ON 102 FAUCETS AND LABS/LOP SINK IN BUILDING.



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THIS DRAWING IS FORMATTED TO BE PRINTED AT 30"x42"

CODE REVIEW:

CERTIFICATE:



SPIEZE ARCHITECTURAL GROUP INC.
1395 YARDVILLE HAMILTON SQUARE ROAD
SUITE 2A
HAMILTON, NJ 08691
Phone: 609-695-7400

SIGNATURE:
THOMAS S. PERRINO 21A01505400
SCOTT E. DONNE 21A016174400
STEVEN L. LORNE 21A011770100
STEVEN G. SIEGEL 21A015543000
SPIEZE ARCHITECTURAL GROUP, INC. 21A00063000

SEAL:

CONSULTANTS:

DOE SCHEMATIC
SUBMISSION

PROJECT:
ESIP AT RUSSELL O.
BRACKMAN MIDDLE
SCHOOL

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FOR

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FOR CODE REVIEW: DDMMYYYY

REVISIONS:	REVISION NAME	DATE
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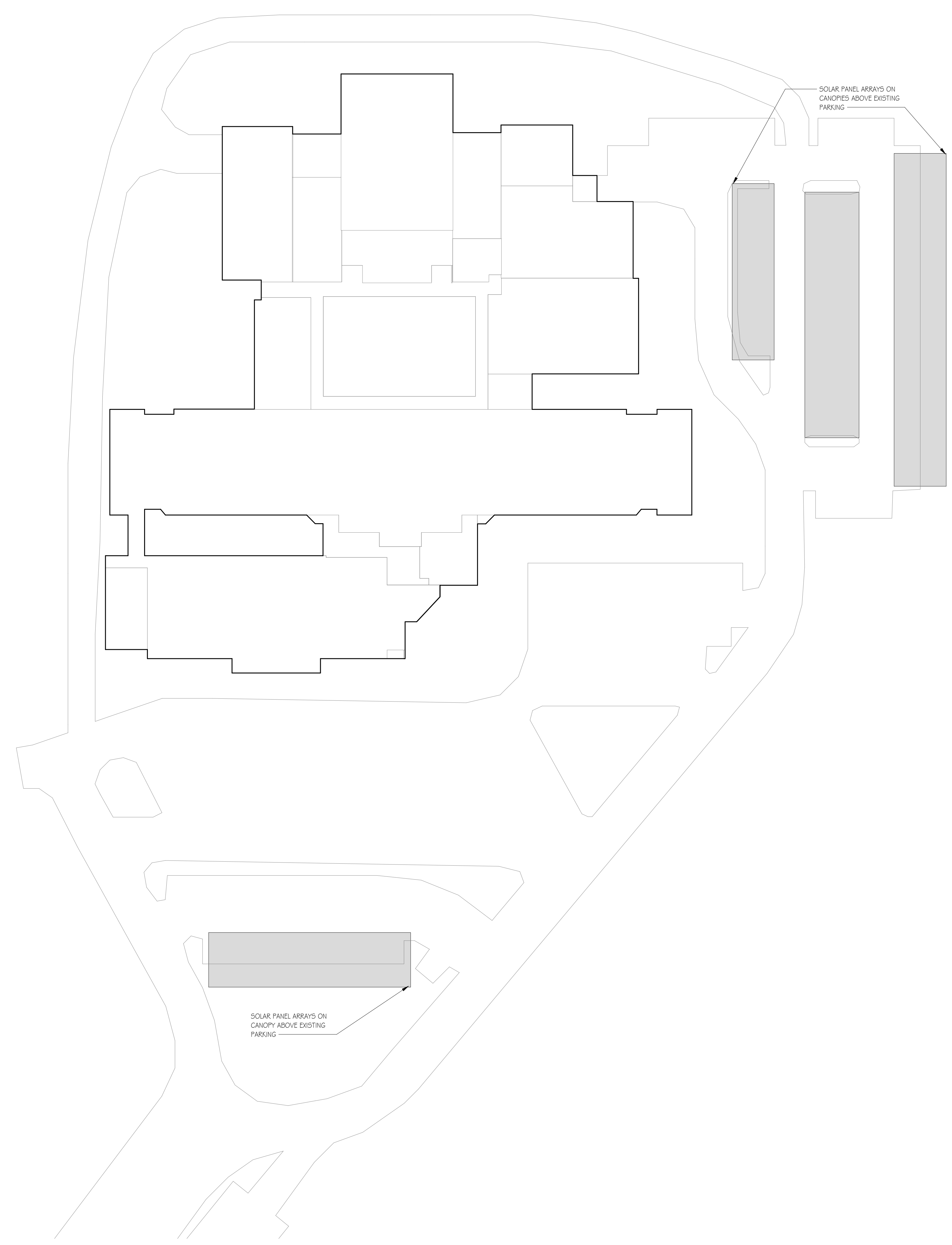
DRAWING TITLE:

SITE PLAN

COMMISSION NUMBER:
20K019

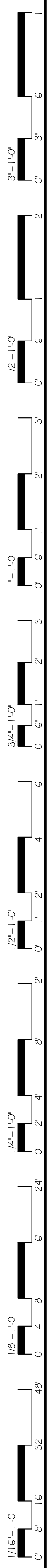
AGENCY NUMBER:
29-0185-050-21-1000
DO NOT SCALE THE DRAWINGS

DRAWING
NUMBER:
RB-DOE 1.2



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1 SITE PLAN
1" = 40'-0"



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