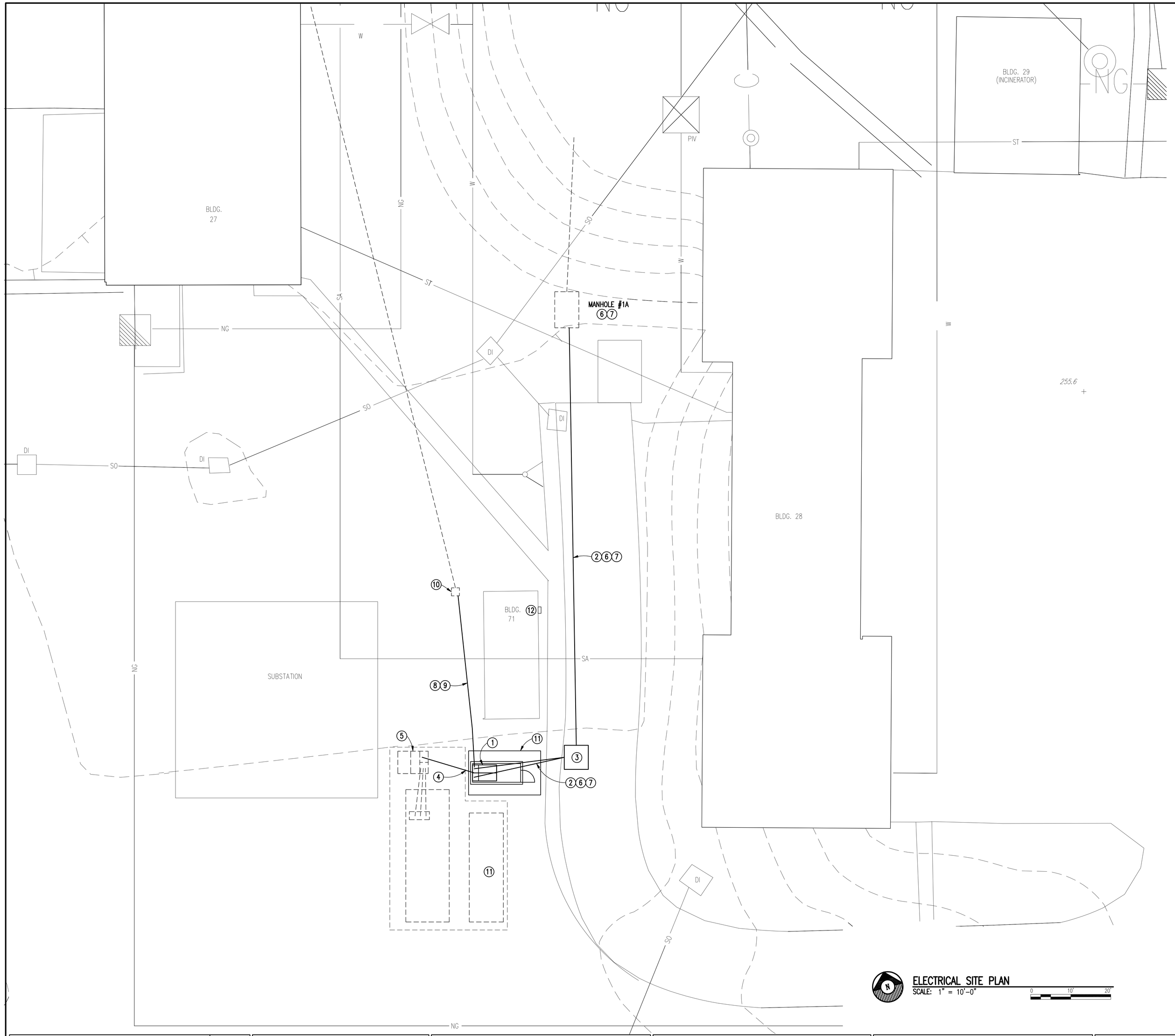

SITE LEGEND OF SYMBOLS

----W----	EXISTING POTABLE WATER PIPING
---SA---	EXISTING UNDERGROUND SANITARY SEWER PIPING
---SO---	EXISTING UNDERGROUND STORM SEWER PIPING
---ST---	EXISTING UNDERGROUND STEAM PIPING
---NG---	EXISTING UNDERGROUND NATURAL GAS PIPING
---E---	EXISTING UNDERGROUND ELECTRICAL
---C---	EXISTING UNDERGROUND CABLE/TELEPHONE/OTHER
	EXISTING LIGHT POLE
	EXISTING UTILITY POLE
	MANHOLE (SANITARY, STORM, ELECTRICAL, SIGNAL/COMMUNICATION)
	GAS METER
DI	STORM DRAIN DROP OUTLET
BFP	BACKFLOW PREVENTER
#1	HYDRANT WITH DESIGNATED NUMBER
	POST INDICATOR VALVE
	VALVE
	CHECK VALVE

GENERAL NOTES:

(THIS SHEET ONLY)

A. SEE ALSO ONE-LINE RISER DIAGRAM, SHEET E1.2.

ATS/MECHANICAL CONTROLS

(THIS SHEET ONLY)

CONTRACTOR IS RESPONSIBLE FOR PROVIDING INTERFACE FROM ATS TO VA'S TRIDIUM CONTROL SYSTEM FOR THE EXISTING CHILLER PLANT. CONTACTS SHALL BE PROVIDED IN THE ATS TO IDENTIFY WHEN GENERATOR POWER IS IN USE AND WHEN NORMAL POWER HAS BEEN RESTORED. WHEN GENERATOR POWER IS SUPPLYING THE CHILLER PLANT, CHILLERS AND ALL ASSOCIATED PUMPS SHALL BE MANUAL CONTROL. WHEN NORMAL POWER IS RESTORED, CHILLER PLANT SHALL REVERT TO AUTOMATIC OPERATION.

CONTRACTOR SHALL UTILIZE MECHANICAL SYSTEMS AND SERVICES, INC. (MSS) FOR PROGRAMMING AND SETTINGS OF THE VA'S TRIDIUM SYSTEM. THE CONTACT IS BO BLAND, MSS PROJECT MANAGER, AT (404) 597-8477.

CONTRACTOR SHALL COORDINATE NECESSARY OUTPUTS FROM ATS WITH MSS PRIOR TO PROVIDING ATS SUBMITTALS. CONNECTIONS FROM THE ATS TO TRIDUM CONTROLS IN BUILDING 27 ARE THE CONTRACTOR'S RESPONSIBILITY.

NOTES:

(THIS SHEET ONLY)

1. PROVIDE 4160V, 3-POLE, 4W MEDIUM VOLTAGE AUTOMATIC TRANSFER SWITCH (ATS) IN A WALK-IN ENCLOSURE ON A CONCRETE PAD. SEE SHEET E1.2 FOR RISER DIAGRAM.
2. PROVIDE 4" 4-WAY CONCRETE-ENCASED DUCT BANK. SEE DETAILS, SHEET E1.1.
3. PROVIDE CONCRETE VAULT. SEE DETAILS, SHEET E1.1.
4. PROVIDE 3#500KCMIL CU, TAPE SHIELD, TYPE MOV, 15KV CABLES WITH #1 CU XHHW NEUTRAL, FROM TRANSFORMER TO EMERGENCY SIDE OF ATS.
5. PROVIDE 600A, DEADFRONT TERMINATION IN PRIMARY SIDE OF TRANSFORMER. SEE DETAILS, SHEET E1.1.
6. PROVIDE 3#500KCMIL CU, TAPE SHIELD, TYPE MOV, 15KV CABLES WITH #1 CU XHHW NEUTRAL, AND 600A DEADFRONT TERMINATIONS FROM NORMAL SIDE OF ATS TO SPLICE TO FEEDER #2, SWITCHGEAR SECTION IN MANHOLE #1A.
7. PROVIDE 3#500KCMIL CU, TAPE SHIELD, TYPE MOV, 15KV CABLES WITH #1 CU XHHW NEUTRAL, AND 600A DEADFRONT TERMINATIONS FROM LOAD SIDE OF ATS TO SPLICE TO FEEDER #2, CHILLER PLANT SECTION, IN MANHOLE #1A.
8. PROVIDE EMERGENCY POWER CONTROL SIGNAL FROM ATS TO DDC CONTROLS IN BOILER PLANT BUILDING. CONTROL CABLING TO BE IN 1" RGS. CONDUIT FROM PULLBOX TO BOILER PLANT IS EXISTING.
9. PROVIDE CABLING FOR GENERATOR AND ATS ANNUNCIATOR IN 1" RGS TO BOILER PLANT CONTROL ROOM. CONDUIT FROM PULLBOX TO BOILER PLANT IS EXISTING.
10. EXISTING POLYMER CONCRETE PULL BOX.
11. EXISTING 10,000 GALLON ABOVE GROUND DIESEL FUEL TANK FOR 2000KW GENERATOR.
12. EXISTING TO REMAIN 225A, 120/208V NEMA 3R PANEL WITH 200A M.B.
13. PROVIDE 11'W X 18'L X 12"D CONCRETE PAD FOR MEDIUM VOLTAGE TRANSFER SWITCH. SEE DETAIL, SHEET E1.2.

ELECTRICAL SITE PLAN

SCALE: 1" = 10'-0"

0 10' 20'

TECHNICON
ENGINEERS/ARCHITECTS
MACON & ATLANTA

Revisions	Date

APPLIED ENGINEERING SOLUTIONS, INC.
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GEORGIA REGISTERED PROFESSIONAL ENGINEER RANDY B. PEACOCK

Drawing Title	SITE PLAN ELECTRICAL
Project Title	CONNECT 500 TON CHILLER TO ELECTRICAL SYSTEM
Date	December 2, 2011
Project No.	557-09-109
Approved Project Director	
Building Number	
Checked	GSW
Drawn	SJB
DRAWING NO.	E3.1
	FINAL SUBMITTAL
Location	CARL VINSON VA MEDICAL CENTER DUBLIN, GEORGIA
Dwg. 4 Of 4	

Veterans Administration

VA FORM 08-6231A, MAR 1984

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one inch = one foot | three inches = one foot | one and one-half inches = one foot | three-quarters inch = one foot | one-half inch = one foot | three-eighths inch = one foot | one-quarter inch = one foot | one-eighth inch = one foot