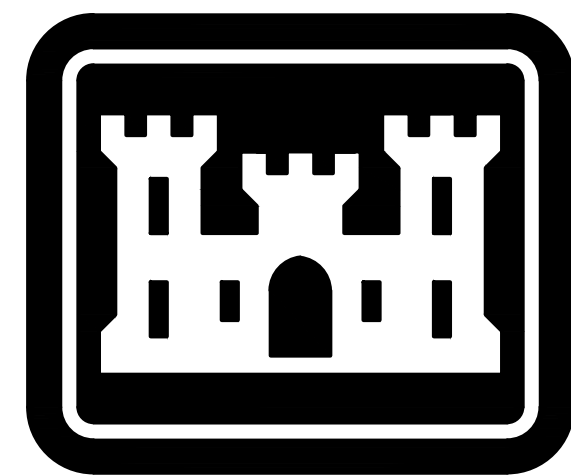




US Army Corps
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Mobile District
BUILDING STRONG®

FEB 17, 2025

REQUEST FOR PROPOSAL PLANS FOR
DHS COBRA INCINERATOR DISPOSAL
AND FACILITY REUTILIZATION
ANNISTON, AL

MOBILE DISTRICT PROJECT CODE: SBH25001
SOLICITATION NO.: W9127826R1AYP

CALHOUN COUNTY
ALABAMA

AMENDMENT NO. 0005

INDEX OF DRAWINGS:

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G-901	EXISTING CONDITIONS PHOTOS	8 OF 38



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17 FEB 2025
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CORPS OF ENGINEERS
MOBILE, ALABAMA



AND FACILITY REUTILIZATION
ANNISTON, AL

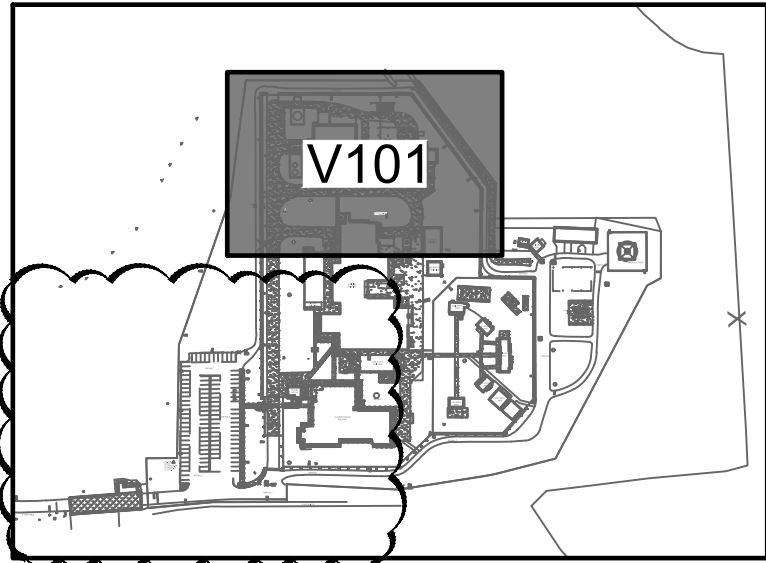
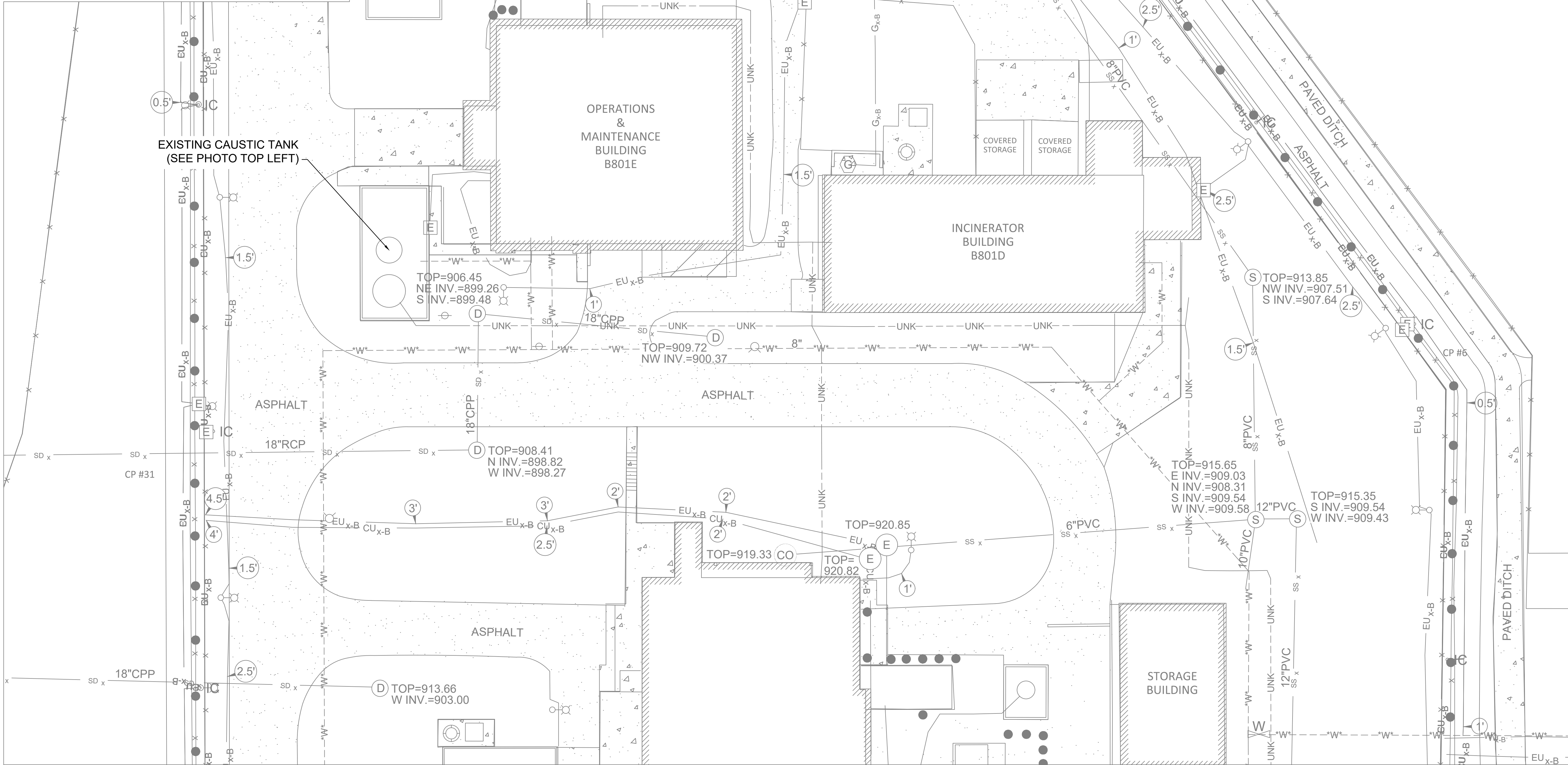
DIVING INDEX

Sheet
Reference
Number:

G-002



CAUSTIC TANK PHOTO



KEY PLAN

1
V-101
EXISTING CONDITIONS PLAN
SCALE: 1" = 20'

US Army Corps
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Symbol	Description	Date	Approved
1	AMENDMENT 0005	6/5/2026	

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1705 Professional Building
Birmingham, AL 35203

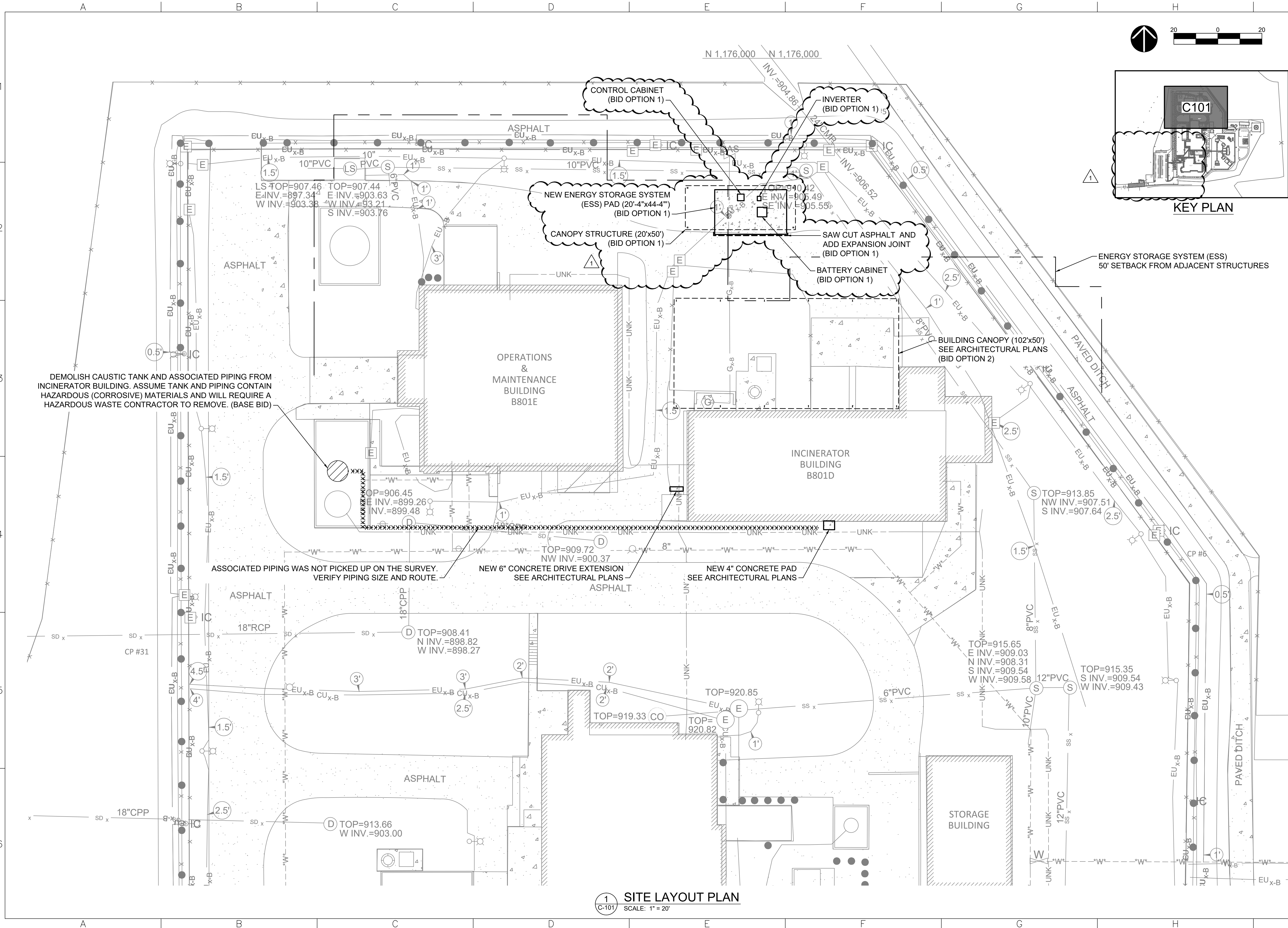
DHS COBRA INCINERATOR DISPOSAL
AND FACILITY REUTILIZATION
ANNISTON, AL

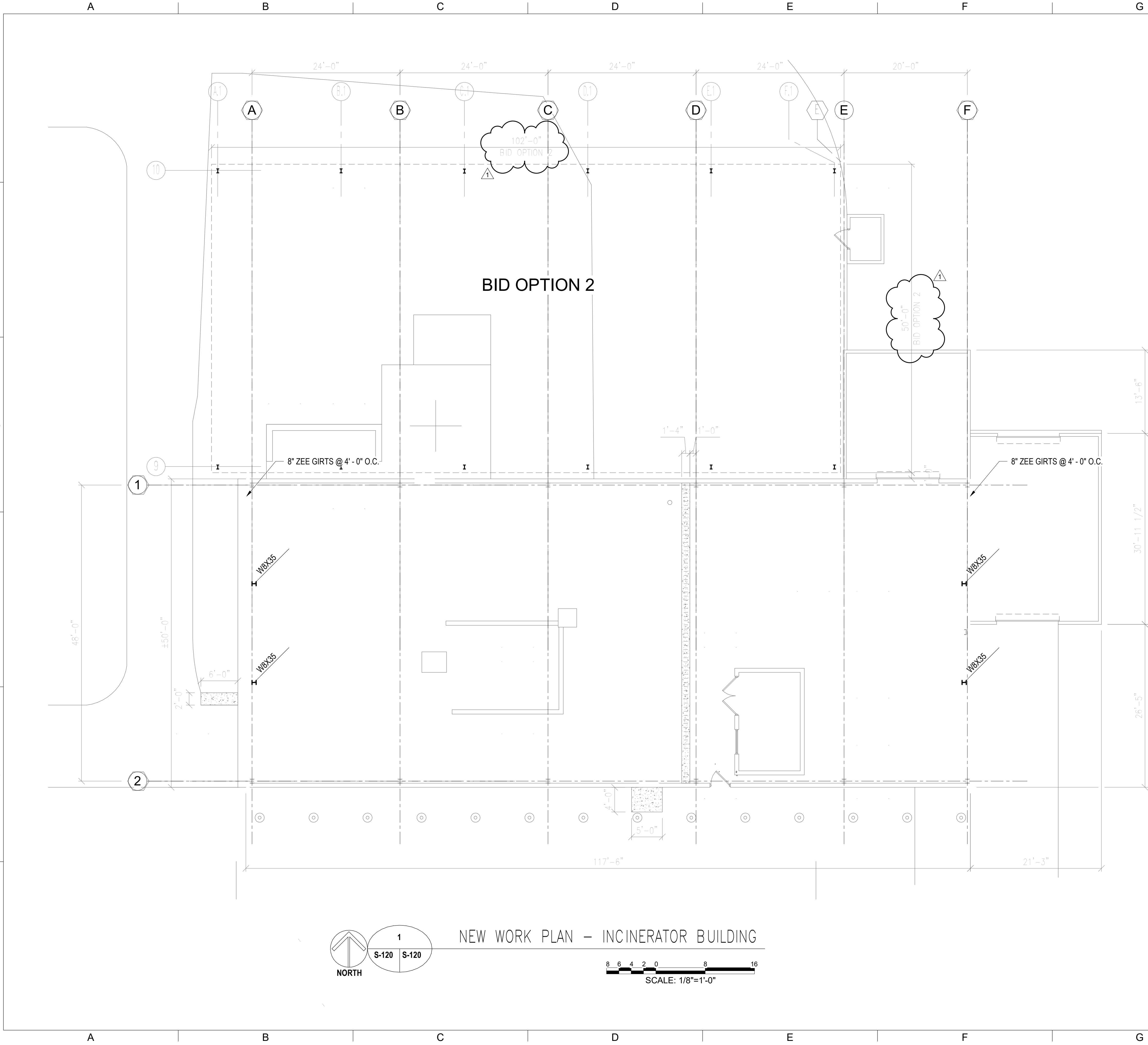
EXISTING CONDITIONS PLAN

Sheet
Reference
Number:

V-101

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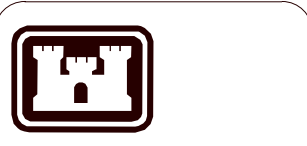






316 S. Baylen St, Suite 300
Pensacola, FL 32502
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FLORIDA LICENSE NUMBER 67484

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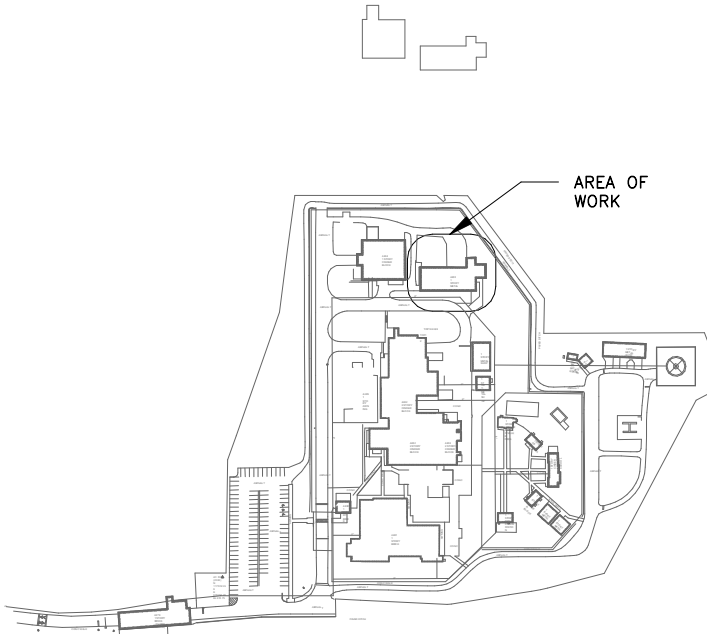
GENERAL NOTES:

1. STRUCTURAL DESIGN SHOWN INCLUDING QUANTITY AND SIZE OF MEMBERS IS NOTATIONAL AND IS INTENDED TO INDICATE DESIGN INTENT ONLY. COMPLETE STRUCTURAL DESIGN SYSTEM SHALL BE DEVELOPED BY THE CONTRACTOR'S DOR AND MAY DIFFER FROM THE ELEMENTS SHOWN ON THE RFP DRAWINGS.

Description		Date	Approved
1	AMENDMENT 0005	06/12/2026	
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	MLB	
Schmidt PRIME 11000 South Main Street Pensacola, Florida 32502	Checked By:	I.S.O. Sheet File Name:
	ZPL	
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KEY PLAN

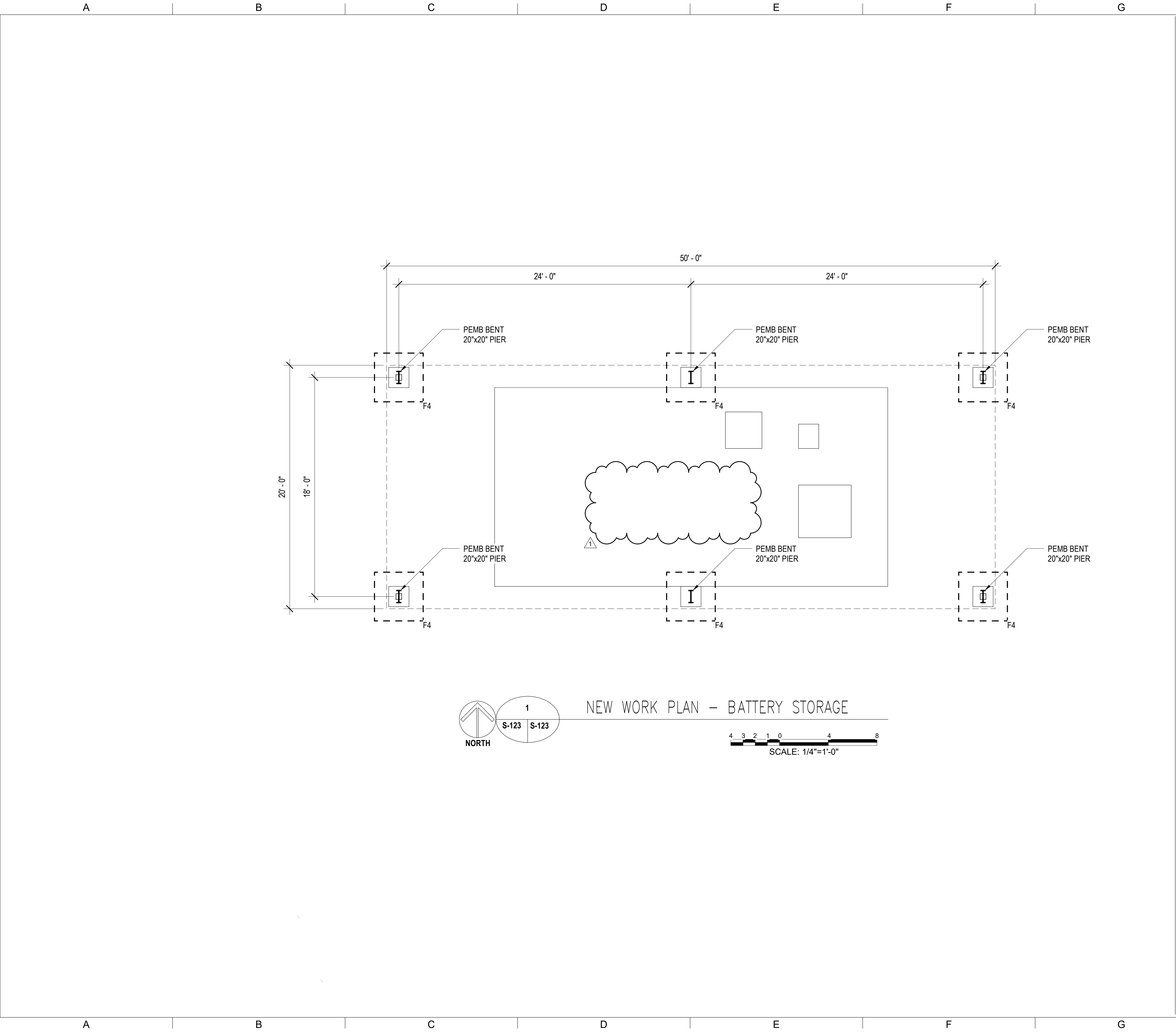


DHS COBRA INCINERATOR DISPOSAL
AND FACILITY REUTILIZATION
ANNISTON, AL

NEW WORK FLOOR PLAN

Sheet
Reference
Number:

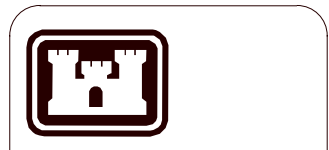
S-120





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GENERAL NOTES:

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Description		Date	Approved
1	AMENDMENT 0005	06/12/2026	
Symbol			

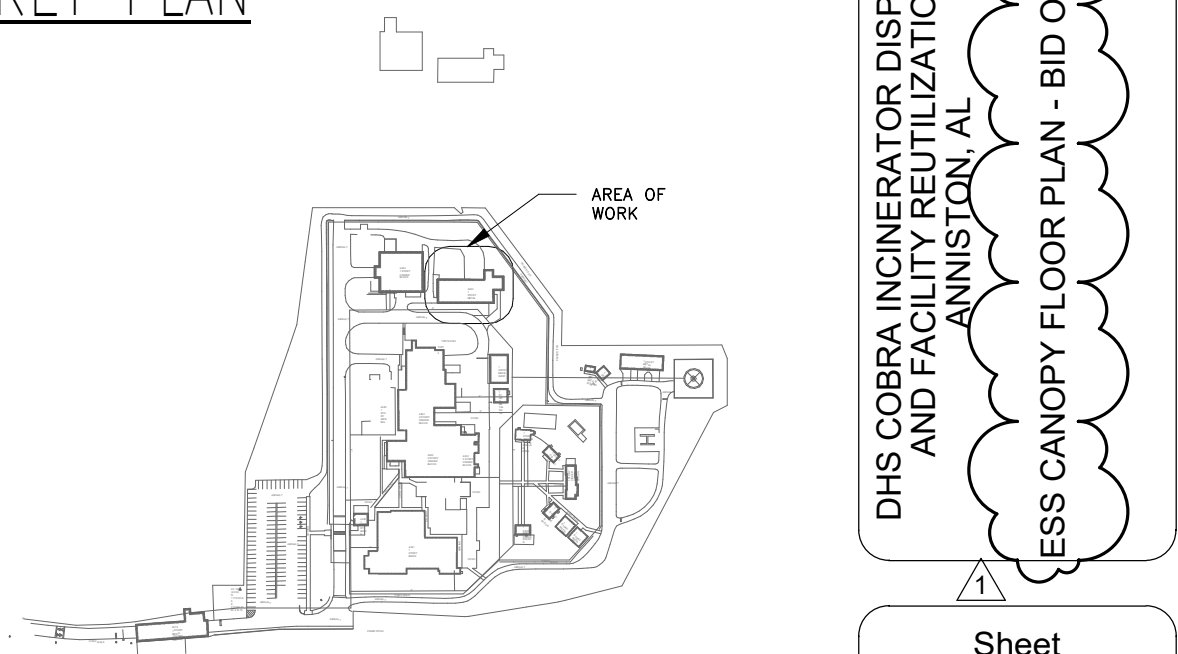
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CORPS OF ENGINEERS
MOBILE, ALABAMA

Schmidt PRIME, Inc.
11000 South 1st Avenue
Pensacola, Florida 32502

KEY PLAN

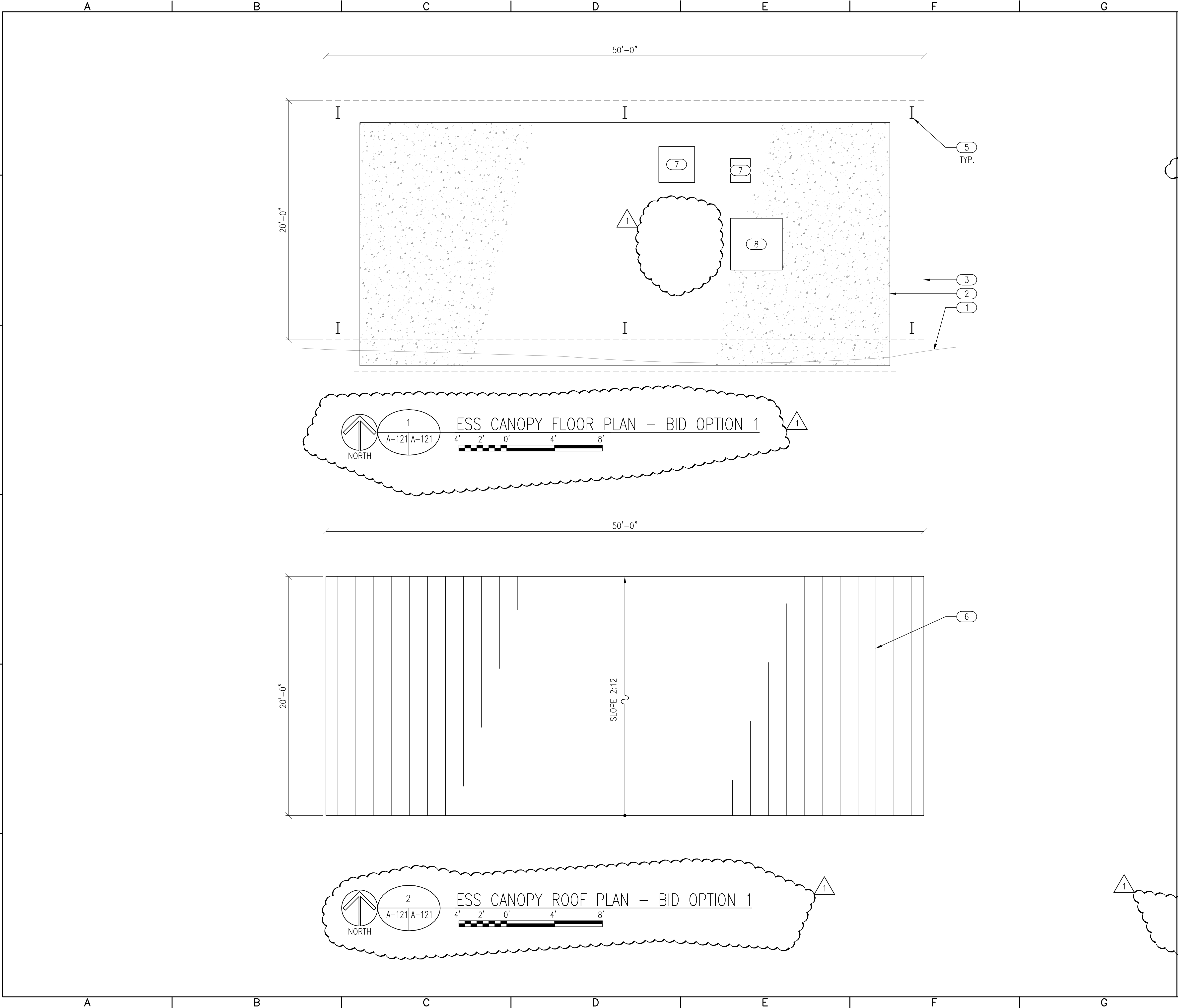


AREA OF WORK

DHS COBRA INCINERATOR DISPOSAL AND FACILITY REUTILIZATION ANNISTON, AL

LESS CANOPY FLOOR PLAN - BID OPTION 1

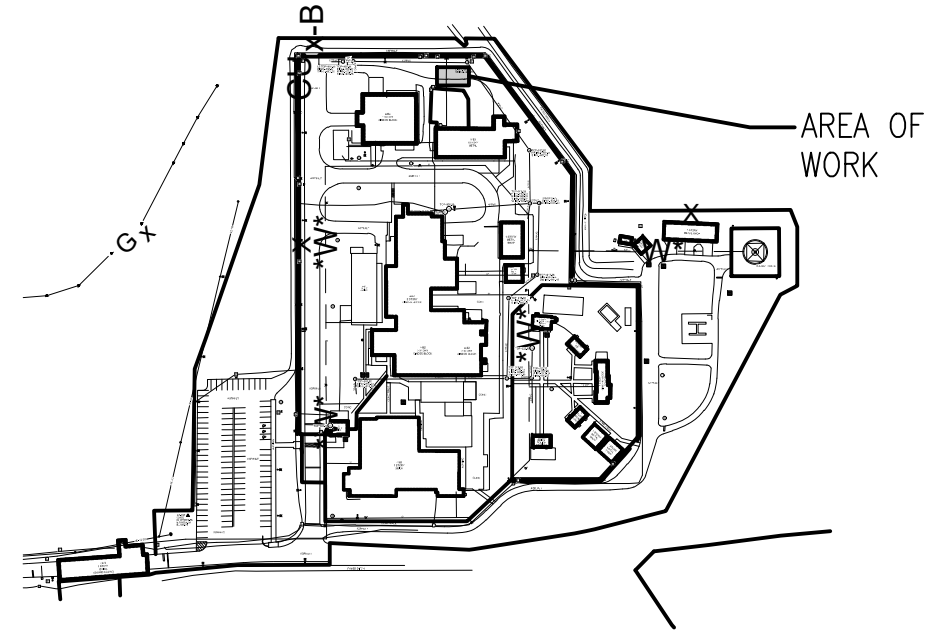
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S-123



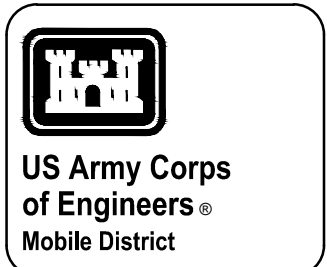
KEYNOTES

- 1 EDGE OF EXISTING ASPHALT TO REMAIN.
- 2 NEW 44'-4"x20'-4" ESS CONCRETE SLAB, SEE CIVIL.
- 3 DASHED LINE INDICATES CANOPY ROOF ABOVE.
- 4 DASHED LINE INDICATES CANOPY ROOF ABOVE.
- 5 NEW PAINTED STEEL COLUMN.
- 6 PREFINISHED STANDING SEAM METAL ROOF.
- 7 ELECTRICAL EQUIPMENT, SEE ELECTRICAL.
- 8 BATTERY.
- 9 NOT USED

KEY PLAN



NOTE: ALL WORK SHOWN ON THIS SHEET IS ASSOCIATED WITH BID OPTION 1.



Symbol	Description	Date	Approved
1	AMENDMENT 0005	06/12/26	

Designed By: KGB	Date: 17 FEB 2025
Drawn By: BK	File No. -
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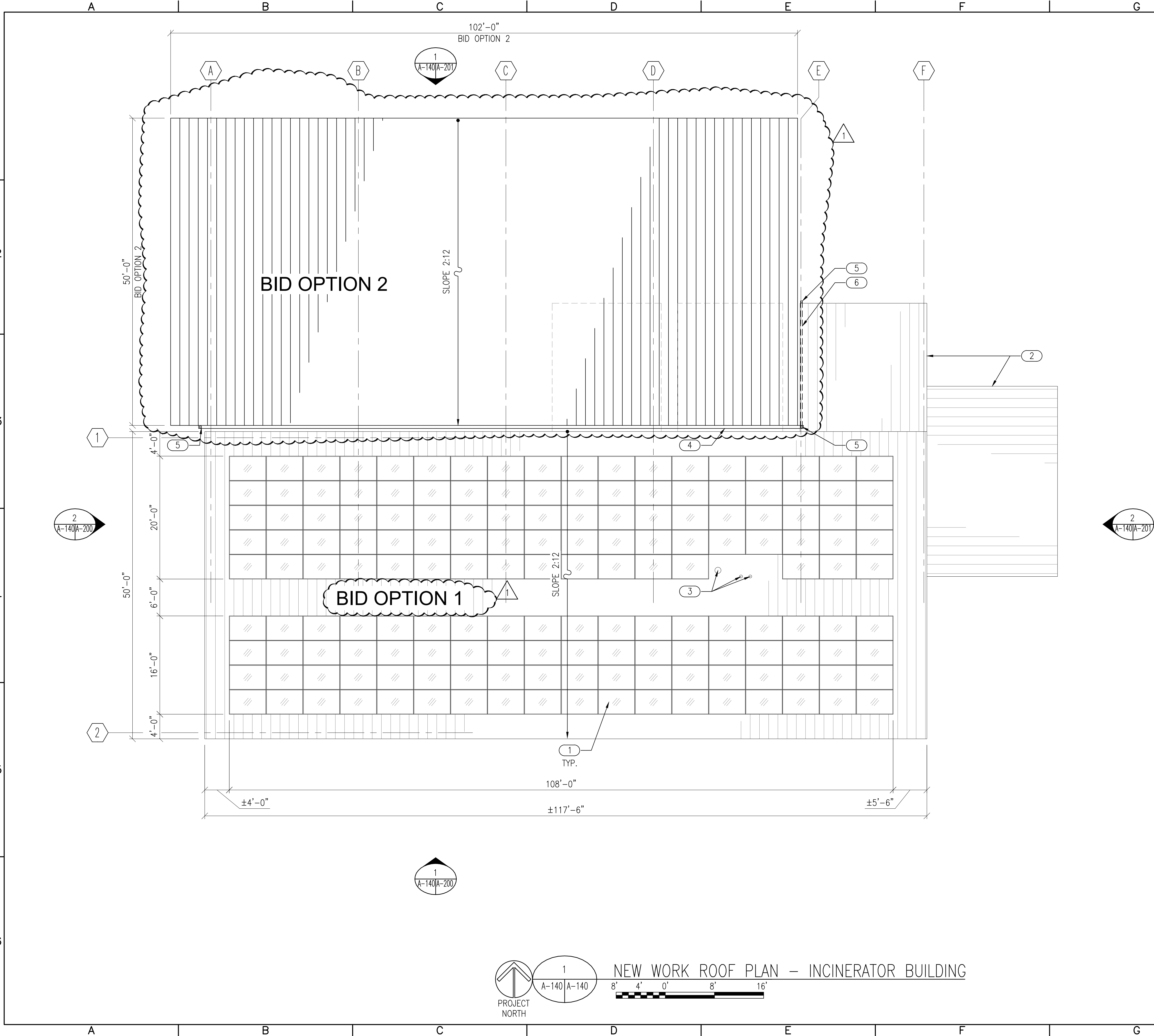
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
MOBILE, ALABAMA

Schmidt PRIME
1700 Greenleaf, Mobile, AL 36688

DHS COBRA INCINERATOR DISPOSAL
AND FACILITY REUTILIZATION
ANNISTON, AL

ESS CANOPY PLANS

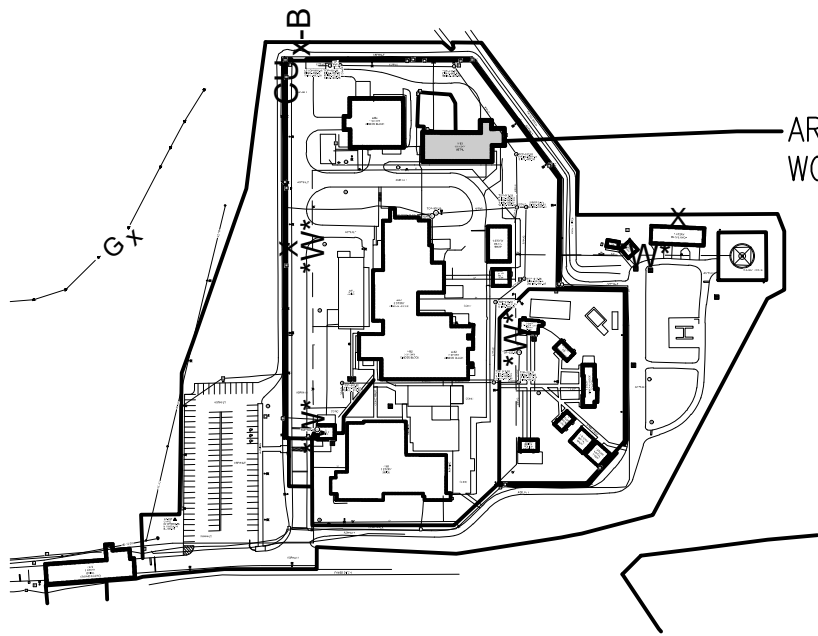
Sheet
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Number:
A-121



KEYNOTES

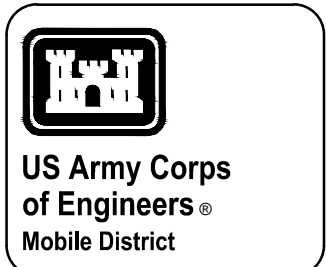
- 1 NEW SOLAR PANEL ARRAY, SEE ELECTRICAL.
- 2 EXISTING STORAGE SHED TO REMAIN.
- 3 EXISTING VENT STACK TO REMAIN.
- 4 CONTINUOUS GUTTER.
- 5 DOWNSPOUT.
- 6 PIPE DOWNSPOUT OVER EXISTING ROOF.

KEY PLAN



GENERAL NOTES

1. ATTACH SOLAR ARRAY PANELS TO EXISTING STANDING SEAM METAL ROOF SYSTEM. SEE EXISTING DRAWINGS ATTACHED TO THIS RFP FOR ROOF HEIGHT AND ROOF SLOPE. ATTACHMENT OF SOLAR PANELS SHALL BE DONE IN A MANNER THAT DOES NOT VOID THE ROOF WARRANTY.
2. SEE SECTION 01 10 10, PART 10 OF THE RFP FOR FALL PROTECTION REQUIREMENTS.



Symbol	Description	Date	Approved
1	AMENDMENT 0005	06/12/26	

Designed By: KGB	Date: 17 FEB 2025	File No. -	U.S. Army Engineer District Corps of Engineers Mobile, Alabama
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Reviewed By:	Solicitation Number:		

DHS COBRA INCINERATOR DISPOSAL AND FACILITY REUTILIZATION ANNISTON, AL
NEW WORK
ROOF PLAN

Sheet Reference Number:
A-140

1. THIS PLAN IS DIAGRAMMATIC ONLY AND DOES NOT SHOW ALL EQUIPMENT, DUCTWORK, PIPING, ETC.

 NOT USED

- ② CONNECT TO EXISTING CW PIPING AT THE ABOVE GROUND UTILITY RACK.
- ③ CW DROP DOWN TO EXISTING HOSE BIBB.
- ④ 3/4"CA AND 1"CW UTILITY CONNECTION POINTS FOR THE TRAINING PROPS.
- ⑤ PROVIDE BALL VALVE IN THE VERTICAL.

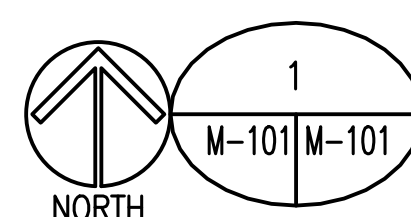
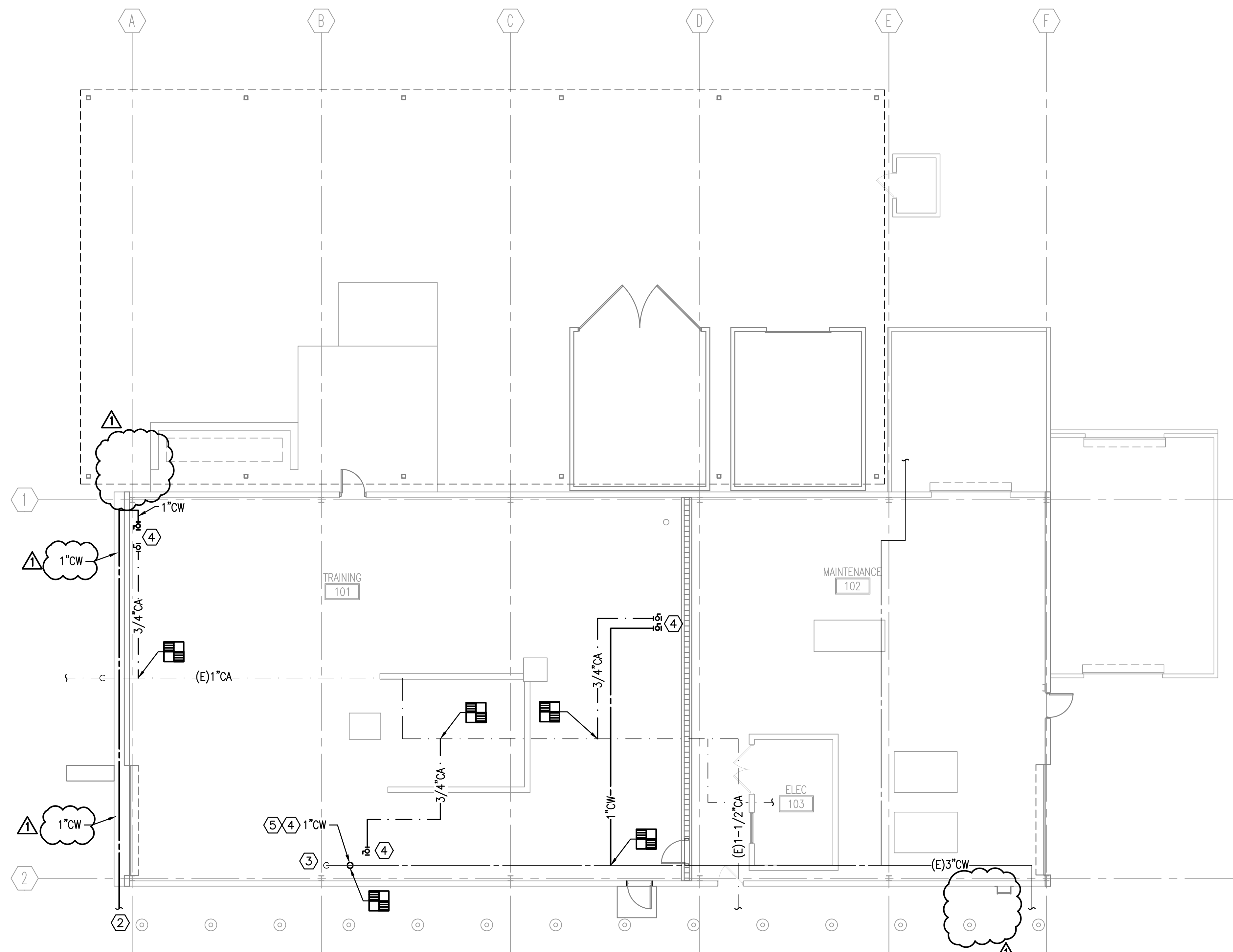
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 Schmidt PRIME ® Engineering • Construction • Technology 10000 N. 19th Avenue, Suite 2000 Phoenix, Arizona 85022	Designed By:		Date:	
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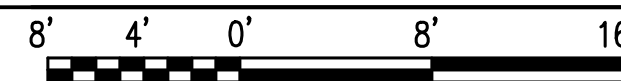
DHS COBRA INCINERATOR DISPOSAL
AND FACILITY REUTILIZATION
ANNISTON, AL

MECHANICAL NEW WORK
FLOOR PLANSheet
Reference
Number:

M-101



MECHANICAL NEW WORK FLOOR PLAN





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GENERAL NOTES

A. UTILITIES NOT SHOWN ON THIS SHEET. REFER TO CIVIL PLANS FOR ADDITIONAL UTILITY INFORMATION.

B. UTILIZE EXISTING DUCTBANK WHERE POSSIBLE FOR NEW UNDERGROUND ROUTING. REFER TO CIVIL FOR LOCATIONS.

C. ALL WORK ON THIS SHEET IS ASSOCIATED WITH BID OPTION #1.

SHEET NOTES

- 1 NEW INVERTER 'PCS-1' FOR PHOTOVOLTAIC (PV) SYSTEM, 125KW. PART OF BASE BID. REFER TO SINGLE LINE DIAGRAM FOR ADDITIONAL INFORMATION.
- 2 NEW ENERGY STORAGE SYSTEM (ESS) PAD COVERED BY CANOPY. REFER TO CIVIL SITE PLAN AND ARCHITECTURAL FOR ADDITIONAL INFORMATION.
- 3 NEW ENERGY STORAGE BATTERY CABINET, 300 KWH. PART OF BASE. REFER TO SINGLE LINE FOR ADDITIONAL INFORMATION.
- 4 NEW MICROGRID CONTROLLER FOR PV SYSTEM. REFER TO SINGLE LINE FOR ADDITIONAL INFORMATION.
- 5 NEW ARRAY OF SOLAR PANELS FOR PV SYSTEM TO BE MOUNTED ATOP STRUCTURE. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.
- 6 EXISTING ELEVATED CONDUIT RACK. UTILIZE FOR ROUTING OF NEW FEEDERS BETWEEN BUILDINGS AS INDICATED ON SINGLE LINE DIAGRAM.
- 7 ROUTE FEEDER UNDERGROUND. REFER TO SINGLE LINE DIAGRAM FOR FEEDER REQUIREMENTS.
- 8 INCINERATOR BUILDING ELECTRICAL ROOM CONTAINS NEW PANELBOARD "SPI", NEW PANELBOARD "IPV", NEW AUTOMATIC TRANSFER SWITCH "ATS-I", NEW TRANSFORMER "TXI", AND EXISTING PANELBOARD "MCC2A". SEE SINGLE-LINE DIAGRAM FOR MORE INFORMATION.
- 9 OPERATIONS & MAINTENANCE BUILDING ELECTRICAL ROOM CONTAINS EXISTING MOTOR CONTROL CENTER "MCC4" AND NEW AUTOMATIC TRANSFER SWITCH "ATS-M".
- 10 BUILDING 4490 ELECTRICAL ROOM CONTAINS EXISTING PANELBOARD "MDP" AND NEW AUTOMATIC TRANSFER SWITCH "ATS-N".
- 11 TOXIC AGENT TRAINING BUILDING ELECTRICAL & GENERATOR ROOMS CONTAIN EXISTING PANELBOARD "CC1" AND EXISTING SWITCHBOARD "PPM".
- 12 NOT USED.
- 13 PROVIDE FIBEROPTIC CONNECTION FROM NEW INVERTER TO NEW MICROGRID CONTROLLER. 1" CONDUIT, UNDERGROUND.
- 14 NOT USED.
- 15 NOT USED.
- 16 NOT USED.
- 17 NOT USED.
- 18 NEW INVERTER 'I1'. REFER TO SINGLE LINE DIAGRAM FOR ADDITIONAL INFORMATION.
- 19 NEW INVERTER 'I2'. REFER TO SINGLE LINE DIAGRAM FOR ADDITIONAL INFORMATION.
- 20 NEW INVERTER 'I3'. REFER TO SINGLE LINE DIAGRAM FOR ADDITIONAL INFORMATION.

Symbol	Description	Date	Approved
1	AMENDMENT 0005		

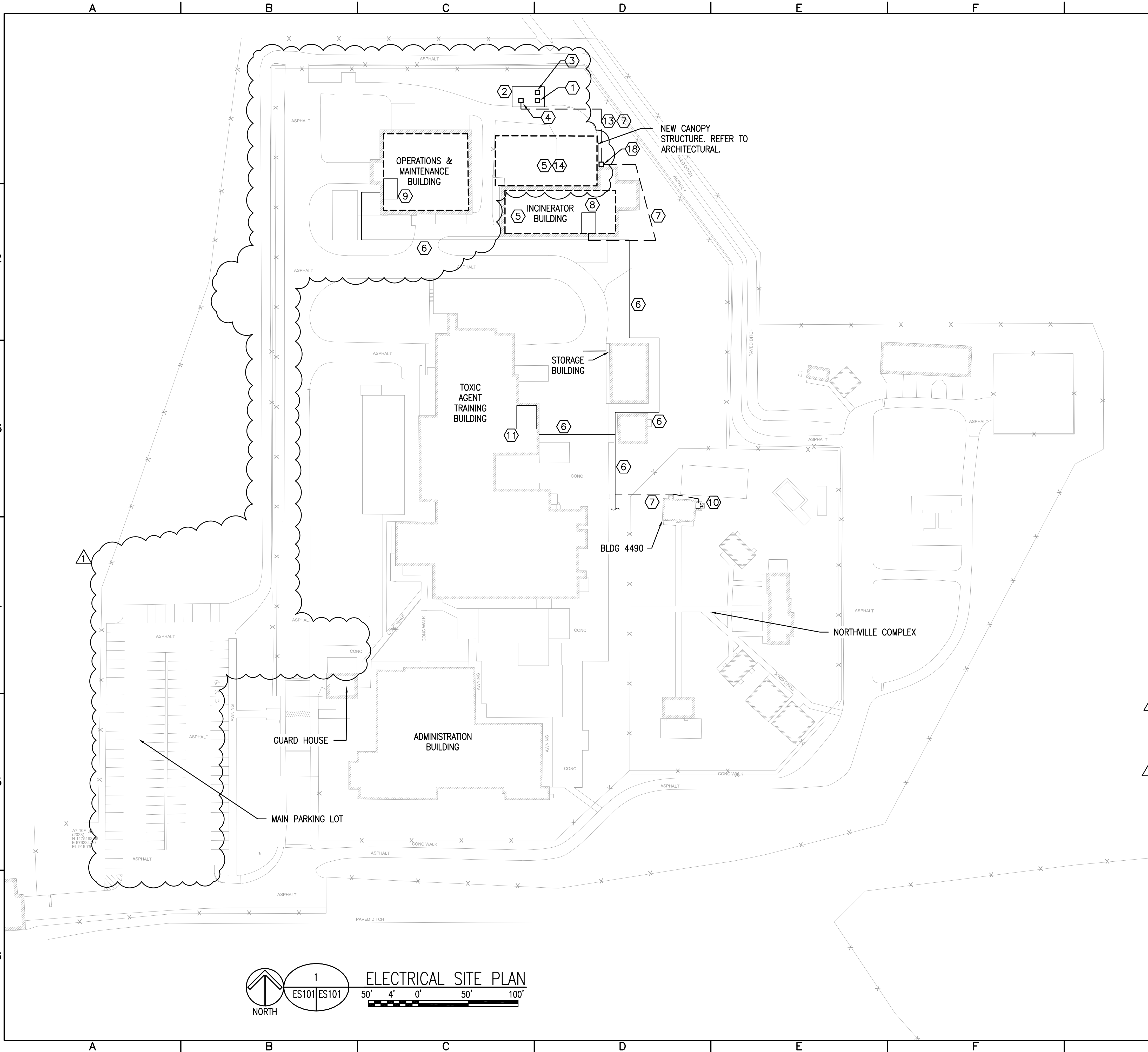
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DHS COBRA INCINERATOR DISPOSAL
AND FACILITY REUTILIZATION
ANNISTON, AL

ELECTRICAL SITE
PLAN

Sheet
Reference
Number:

ES101



- 1 PROVIDE NEW LIGHTING FIXTURES AND LIGHTING CONTROLS WITHIN THIS AREA.
- 2 PROVIDE NEW ELECTRICAL DEVICES, POWER RECEPTACLES, AND ASSOCIATED POWER CONNECTIONS WITHIN THIS AREA.
- 3 EXISTING ELECTRICAL PANELBOARD.
- 4 EXISTING POWER TRANSFORMER.
- 5 EXISTING ELECTRICAL SWITCHBOARD MCC2A.
- 6 EXISTING AUTOCLAVE.
- 7 BID OPTION 1: PROVIDE NEW PANELBOARD "IPV", SEE SINGLE LINE DIAGRAM FOR MORE INFORMATION.
- 8 PROVIDE 30A/3P NEMA 1 DISCONNECT AND POWER CIRCUIT FOR ACID FOG EQUIPMENT. POWER CIRCUIT SHALL BE FROM NEW PANEL "IPV", 3#10, #10G, 3/4"C. COORDINATE FINAL CONNECTION WITH EQUIPMENT SUPPLIER.
- 9 PROVIDE DEDICATED NEMA 5-20R DUPLEX RECEPTACLE THROUGHOUT TRAINING BAY AT 48" AFF, TYPICAL. PROVIDE GFCI CIRCUIT BREAKERS.

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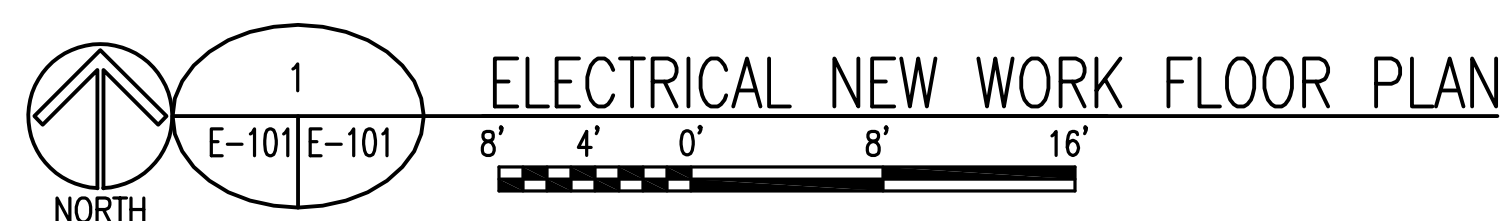
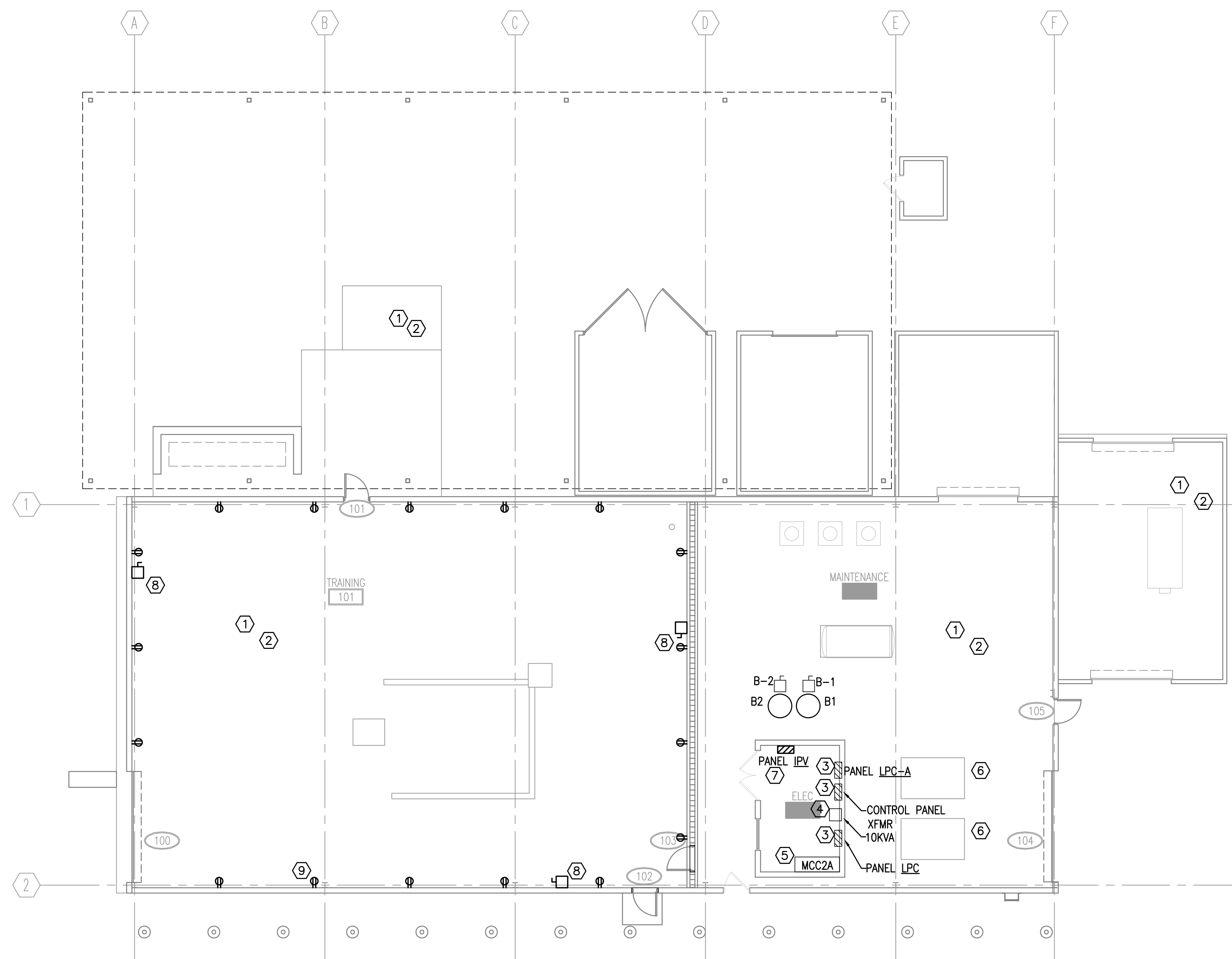
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ANNISTON, AL

ELECTRICAL NEW WORK FLOOR PLAN

Sheet
Reference
Number:

E-101





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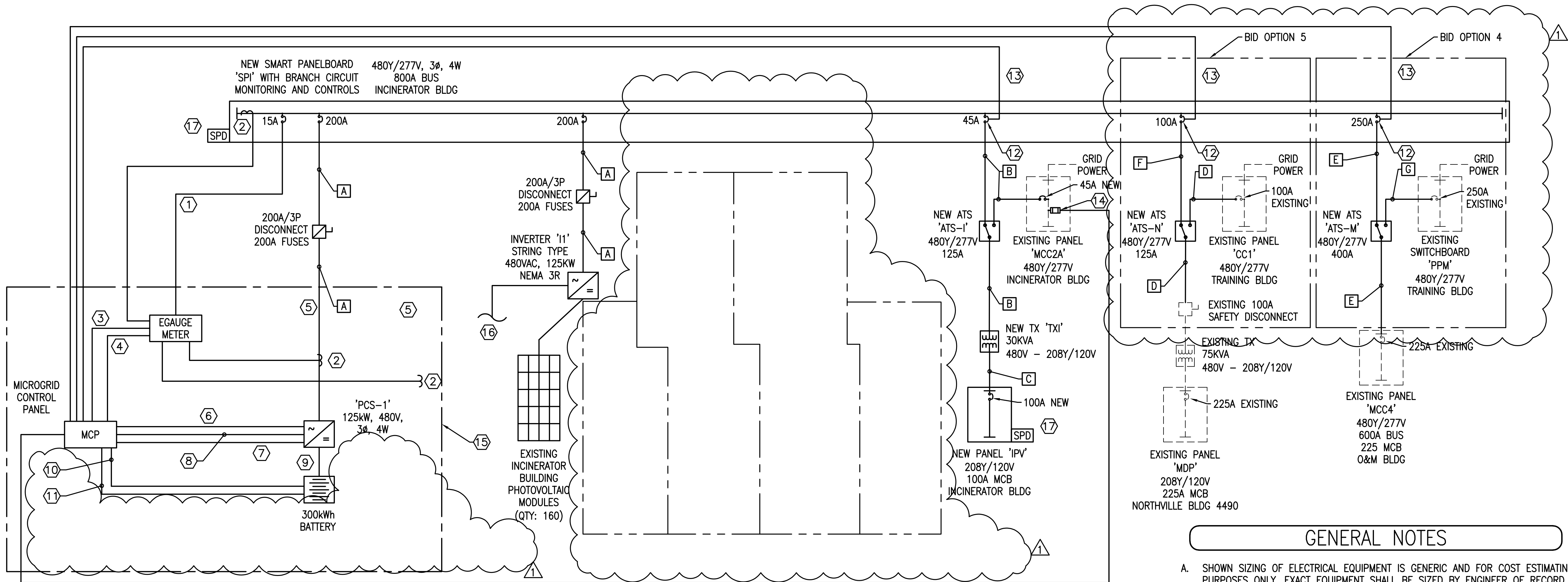
SINGLE LINE DIAGRAM NOTES

- ① PROVIDE (MINIMUM) 3#12AWG HOT & 1#12AWG NEUTRAL TO 480V, 3-Ø, 4W REVENUE GRADE METER PANEL FOR VOLTAGE SENSING. ALTERNATE CONNECTION: TAP TO BUS BAR DIRECTLY WITH INTERMEDIATE 15A FUSE FOR PROTECTION.
- ② PROVIDE C.T. FROM REVENUE GRADE METER PANEL.
- ③ PROVIDE 2#12AWG 1500VDC CAPABLE CABLE FROM REVENUE GRADE METER TO MICROGRID CONTROL PANEL.
- ④ PROVIDE CAT6 ETHERNET COMMS CABLE FROM REVENUE GRADE METER TO MICROGRID CONTROL PANEL.
- ⑤ PROVIDE (MINIMUM) 200A RATED FEEDERS AND ASSOCIATED EQUIPMENT GROUNDING CONDUCTOR TO SUPPLY POWER FOR POWER CONVERSION SYSTEM(PCS)/INVERTER.
- ⑥ PROVIDE 2#10AWG FROM PCS TO MICROGRID CONTROL PANEL FOR AC POWER INPUT.
- ⑦ PROVIDE CAT6 ETHERNET COMMS CABLE FROM PCS TO MICROGRID CONTROL CABLE.
- ⑧ PROVIDE 2#12AWG HOT & 1#12AWG NEUTRAL 1500VDC CAPABLE CONNECTION FROM PCS TO MICROGRID CONTROL PANEL FOR HIGH DC VOLTAGE SENSING.
- ⑨ PROVIDE 2#1/0AWG 1500VDC CAPABLE CABLE FROM PCS TO BATTERY CABINET FOR HIGH DC VOLTAGE POWER SUPPLY.

- ⑩ PROVIDE 4#12AWG FROM BATTERY CABINET TO MICROGRID CONTROL CABINET FOR HVAC & CONTROL PANEL POWER SUPPLY.
- ⑪ PROVIDE 6#0.22MM WIRE FROM BATTERY CABINET TO MICROGRID CONTROL CABINET FOR BMS & CONTROL PANEL SIGNAL CABLING.
- ⑫ PROVIDE MOTORIZED MAIN CIRCUIT BREAKER. COORDINATE ALL REQUIREMENTS WITH MANUFACTURER PRIOR TO PROCUREMENT.
- ⑬ PROVIDE CONNECTION FROM MICROGRID CONTROL CABINET TO MOTORIZED BREAKER FOR CONTROLLED OPERATION. QUANTITY AND AWG OF CONDUCTORS TO BE COORDINATED PRIOR TO INSTALLATION.
- ⑭ PROVIDE VOLTAGE SENSING CONNECTION WITH INTEGRAL FUSE FOR MONITORING OF UTILITY GRID CONNECTED POWER.
- ⑮ PACKAGED MICROGRID ENERGY SYSTEM - 125kW/600KWh.
- ⑯ PROVIDE FIBER OPTIC CABLE IN 1" C ROUTED TO MICROGRID CONTROL PANEL.
- ⑰ EXTERNAL SURGE PROTECTION DEVICE. SEE SPECIFICATIONS FOR DETAILS.

WIRETAG LEGEND

TAG	FEEDER
A	3#4/0, #4G, 2°C
B	3#6, #10G, 1°C
C	4#1, #6G, 1-1/2°C
D	3#1, #6G, 1-1/2°C
E	4#250, #4G, 3°C
F	3#1/0, #4G, 2°C
G	4#300, #3G, 3°C



GENERAL NOTES

- A. SHOWN SIZING OF ELECTRICAL EQUIPMENT IS GENERIC AND FOR COST ESTIMATING PURPOSES ONLY. EXACT EQUIPMENT SHALL BE SIZED BY ENGINEER OF RECORD.
- B. PHOTOVOLTAIC MODULES SHOWN ARE DIAGRAMMATIC ONLY. REFER TO ARCHITECTURAL FOR EXACT LAYOUTS.
- C. ALL WORK ON THIS SHEET IS ASSOCIATED WITH BID OPTION #1, UNLESS NOTED OTHERWISE.

LINE LEGEND

- NEW ELECTRICAL EQUIPMENT / FEEDER
- EXISTING ELECTRICAL EQUIPMENT / FEEDER
- - - - - PHASING DESIGNATOR

ELECTRICAL SINGLE LINE DIAGRAM

NOT TO SCALE

Designed By:	Date:	17 FEB 2025
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U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
MOBILE, ALABAMA

Schmidt PRIME, Inc.
10000 Highway 90, Suite 200
Pensacola, Florida 32502

DHS COBRA INCINERATOR DISPOSAL
AND FACILITY REUTILIZATION
ANNISTON, AL

ELECTRICAL SINGLE LINE
POWER DIAGRAM

Sheet
Reference
Number:

E-601