

**US Army Corps**<sup>®</sup>  
**of Engineers**  
Mobile District  
**BUILDING STRONG**<sup>®</sup>

**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**

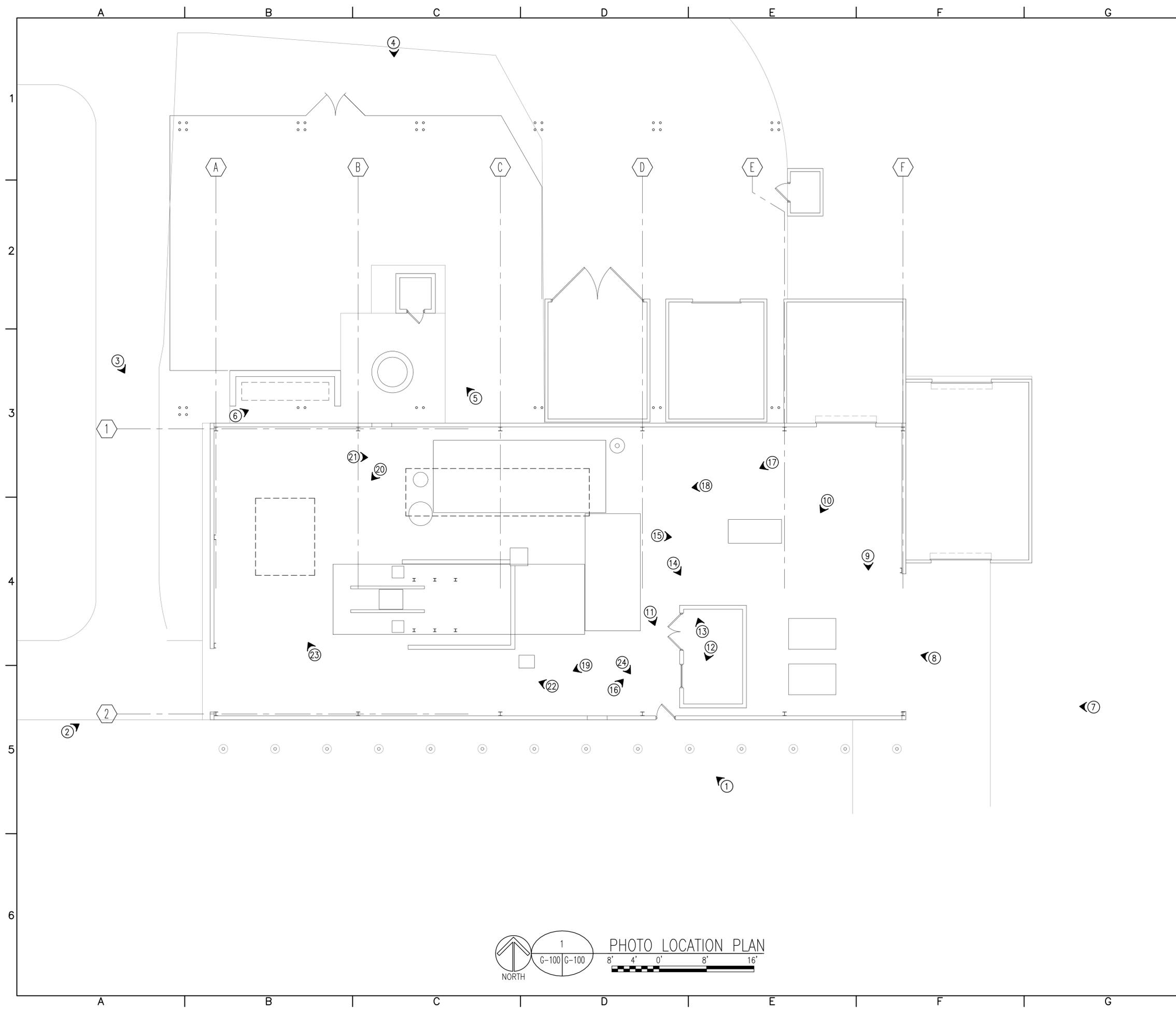
**CALHOUN COUNTY  
ALABAMA**











**LEGEND**

(X) INDICATES LOCATION OF PHOTO, SEE G-900 & G-901 FOR EXISTING CONDITIONS PHOTOS

**US Army Corps of Engineers® Mobile District**

Symbol	Description	Date	Approved

Designed By: KGB	Date: 17 FEB 2025
Drawn By: BK	File No.:
Checked By: GT	I.S.O. Sheet File Name:
Reviewed By:	Solicitation Number:

U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
MOBILE, ALABAMA

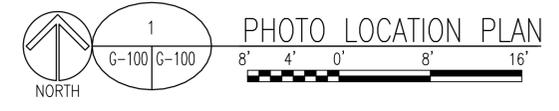
**Schmid PRIME**  
Professional Services, Inc.  
11000 Highway 200  
Birmingham, AL 35243

DHS COBRA INCINERATOR DISPOSAL AND FACILITY REUTILIZATION ANNISTON, AL  
**PHOTO LOCATION PLAN**

**GENERAL NOTES**

1. NOT USED.

Sheet Reference Number:  
**G-100**















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.

Symbol	Description	MARK	Date	Approved	DATE

Designed By:	JGH	Date:	17 FEB 2025
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Reviewed By:		Solicitation Number:	

U.S. ARMY ENGINEER DISTRICT  
 CORPS OF ENGINEERS  
 MOBILE, ALABAMA

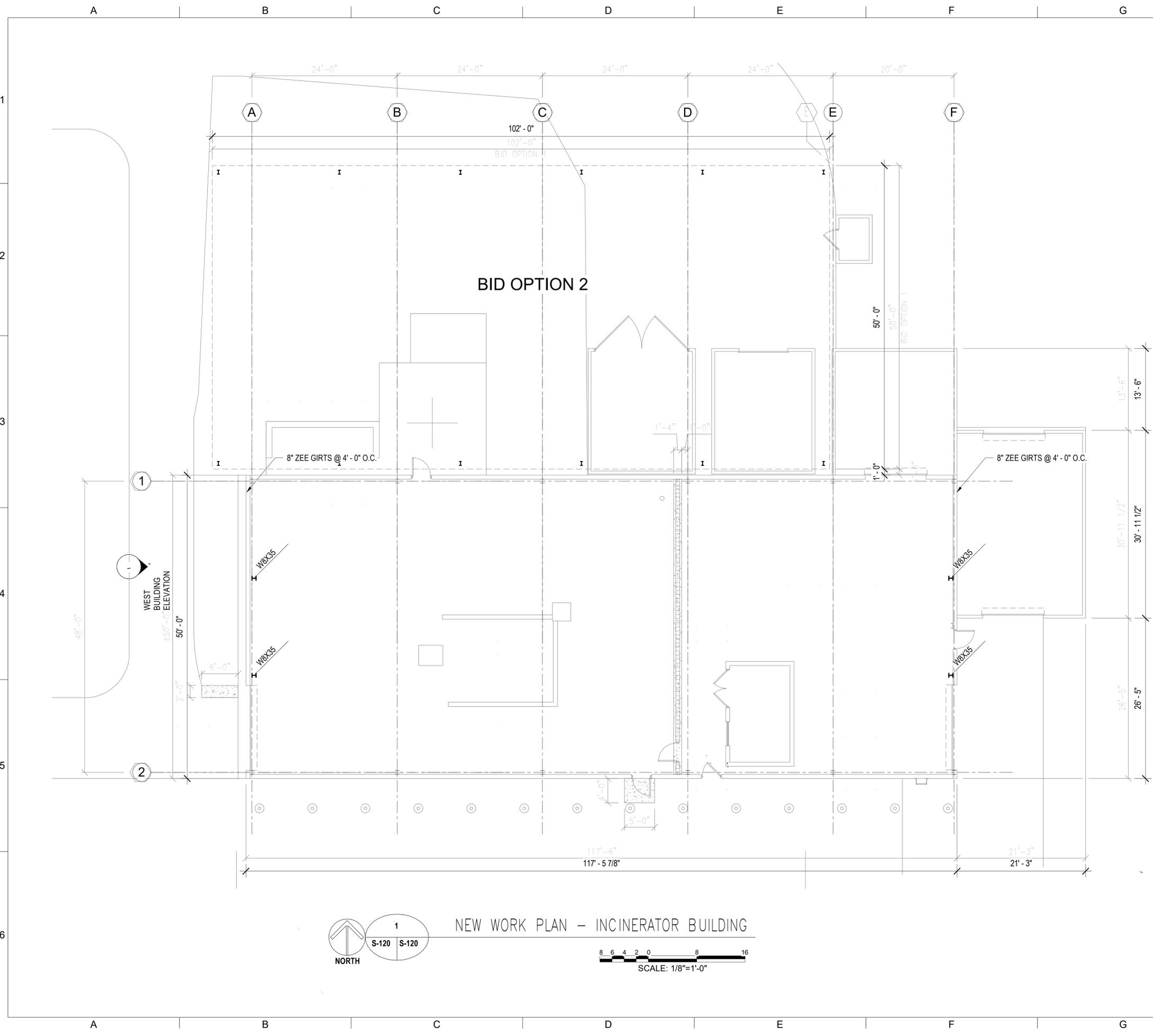
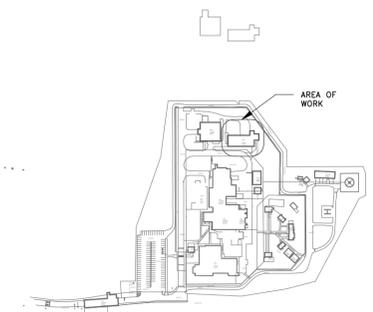
Schmidt PRIME  
 1200 West Lake Street, Suite 200  
 Pensacola, Florida 32502

DHS COBRA INCINERATOR DISPOSAL  
 AND FACILITY REUTILIZATION  
 ANNISTON, AL

NEW WORK FLOOR PLAN

Sheet Reference Number:  
**S-120**

KEY PLAN



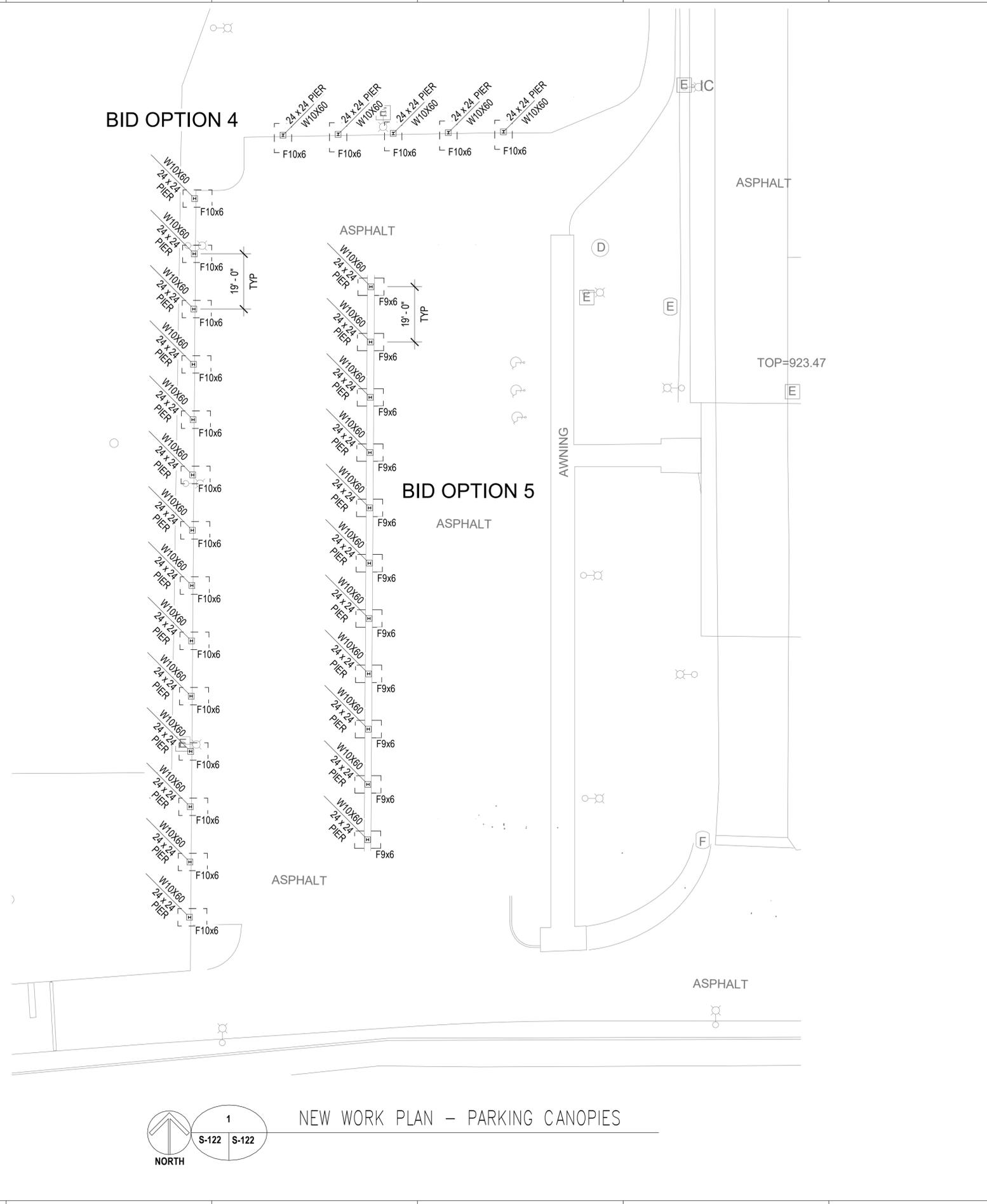
**NEW WORK PLAN - INCINERATOR BUILDING**

1  
 S-120 S-120

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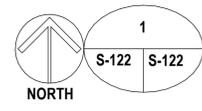
A B C D E F G H I

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**BID OPTION 4**

**BID OPTION 5**



**NEW WORK PLAN - PARKING CANOPIES**



**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.

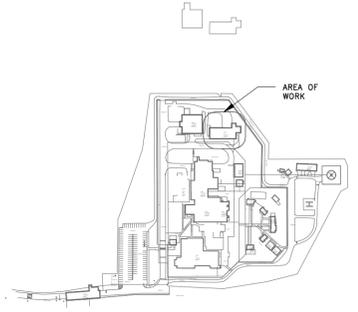
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Checked By: ZPL	I.S.O. Sheet File Name:
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U.S. ARMY ENGINEER DISTRICT  
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Pensacola, Florida 32502

**KEY PLAN**



**DHS COBRA INCINERATOR DISPOSAL AND FACILITY REUTILIZATION ANNISTON, AL**

**NEW WORK FLOOR PLAN**

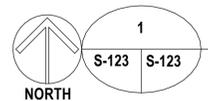
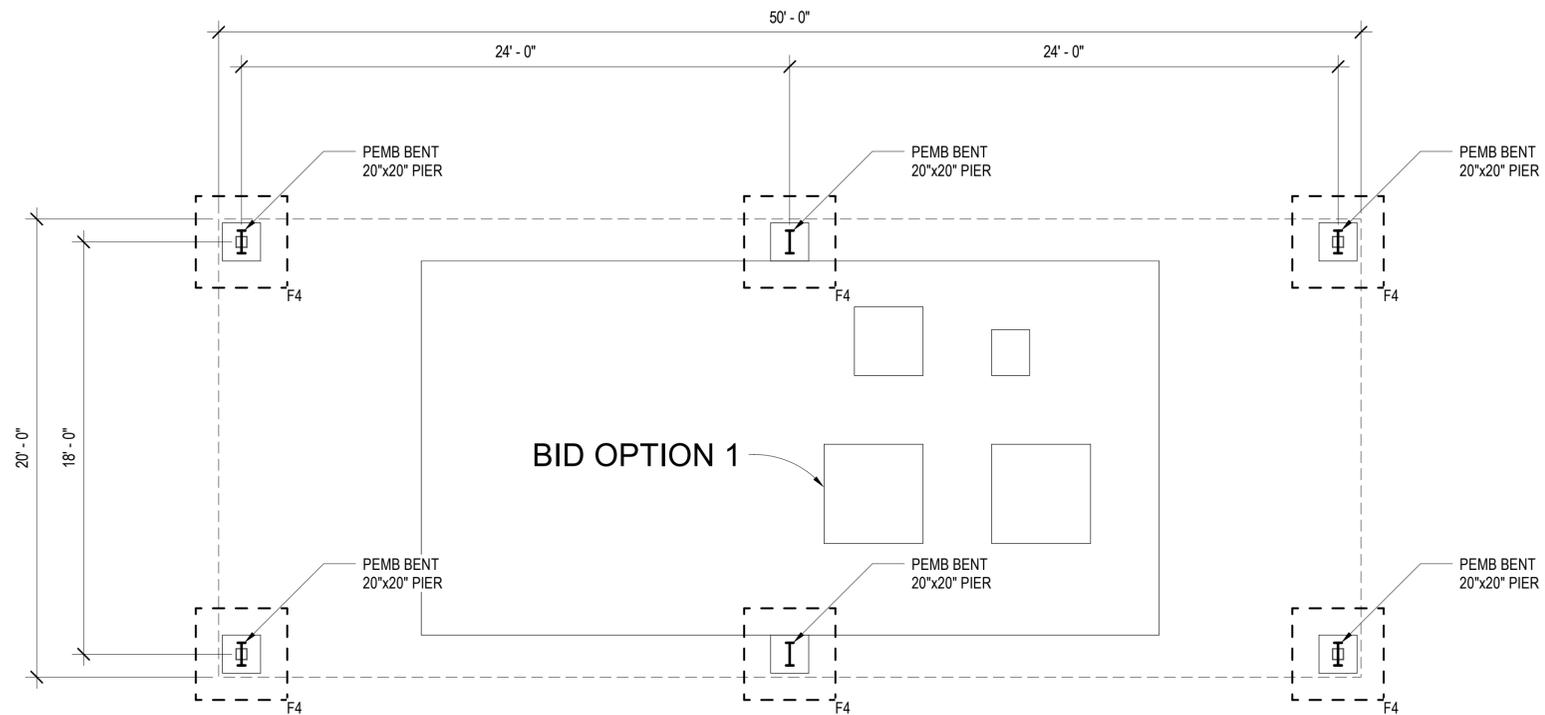
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A B C D E F G H I

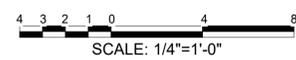
GENERAL NOTES:

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.

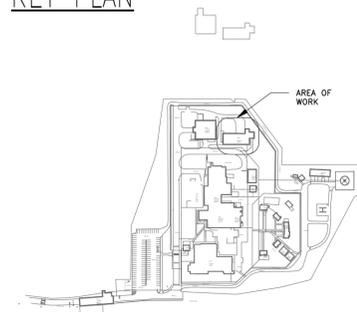
Symbol	Description	Date	Approved



NEW WORK PLAN - BATTERY STORAGE



KEY PLAN



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 CORPS OF ENGINEERS  
 MOBILE, ALABAMA

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 1200 West Lake Street, Suite 200  
 Pensacola, Florida 32502

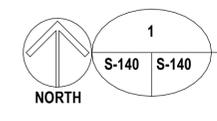
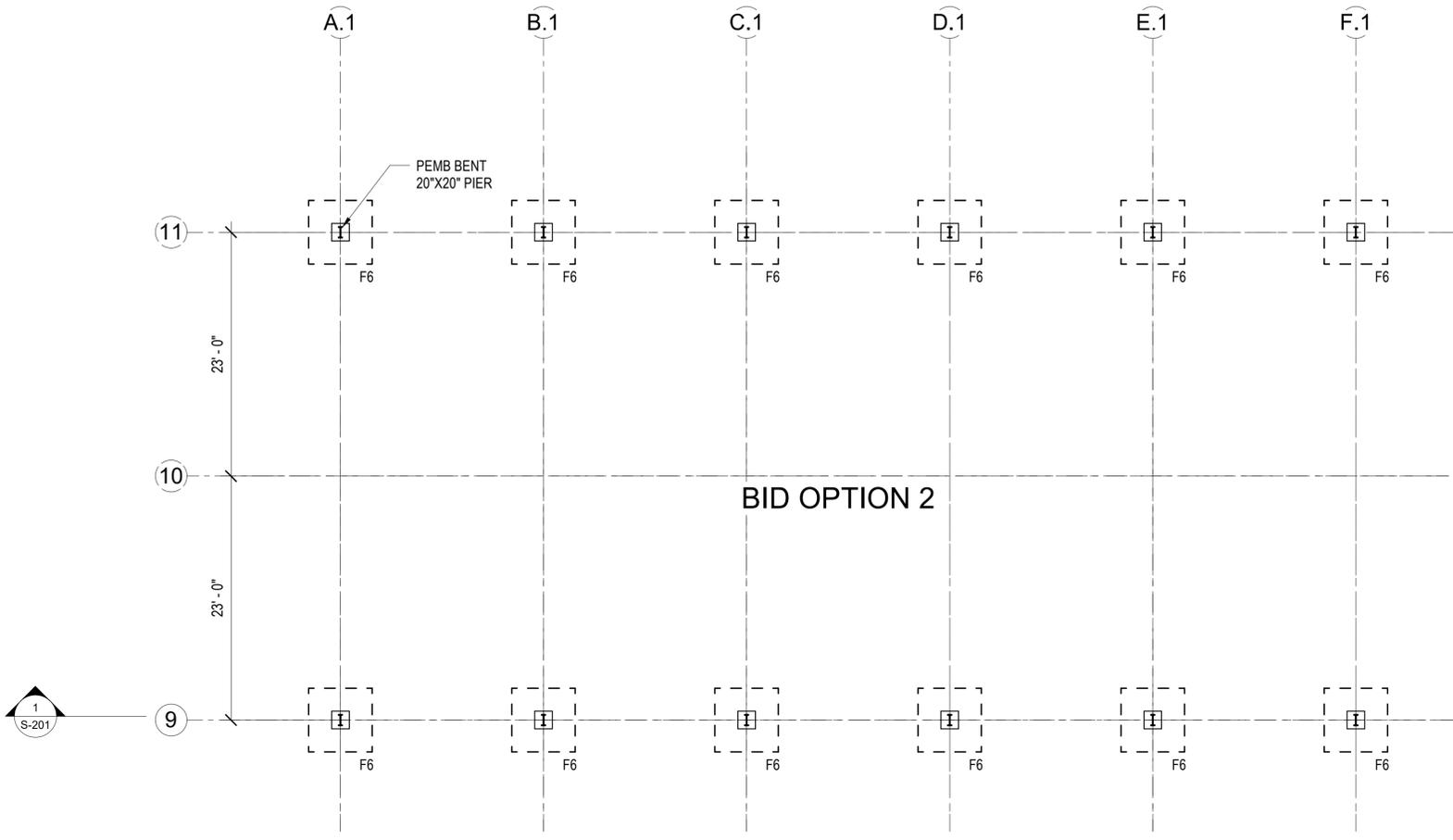
DHS COBRA INCINERATOR DISPOSAL  
 AND FACILITY REUTILIZATION  
 ANNISTON, AL

ESS CANOPY FLOOR PLAN - BASE BID

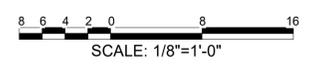
Sheet Reference Number:  
**S-123**

A B C D E F G

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NEW WORK FOUNDATION PLAN – COVERED STORAGE ADDITION (BID OPTION 2)



316 S. Baylen St. Suite 300  
Pensacola, FL 32502  
ZACHARY P. LAKE P.E.  
FLORIDA LICENSE NUMBER 67484

PH: 850.438.0050  
www.imegcorp.com  
IMEG Project: 24005296.00

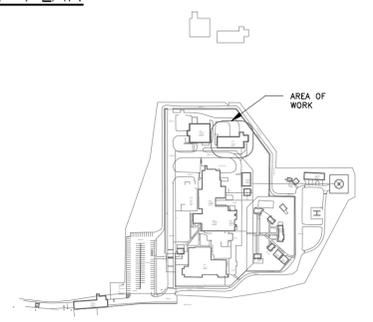
US Army Corps of Engineers  
Mobile District

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.

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Checked By: ZPL	I.S.O. Sheet File Name:
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U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS MOBILE, ALABAMA	Schmidt PRIME, Inc. 1200 West Lake Street, Suite 200 Pensacola, Florida 32502

KEY PLAN



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

Sheet Reference Number:  
**S-140**

A B C D E F G

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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.  
 2. OSHA APPROVED FALL PROTECTION TIE OFF POINTS ON PARKING CANOPIES SHALL BE DESIGNED TO NOT EXTEND BEYOND THE HEIGHT OF THE SOLAR PANELS.

Symbol	Description	MARK	Date	Approved	DATE

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Checked By: ZPL	I.S.O. Sheet File Name:
Reviewed By:	Solicitation Number:

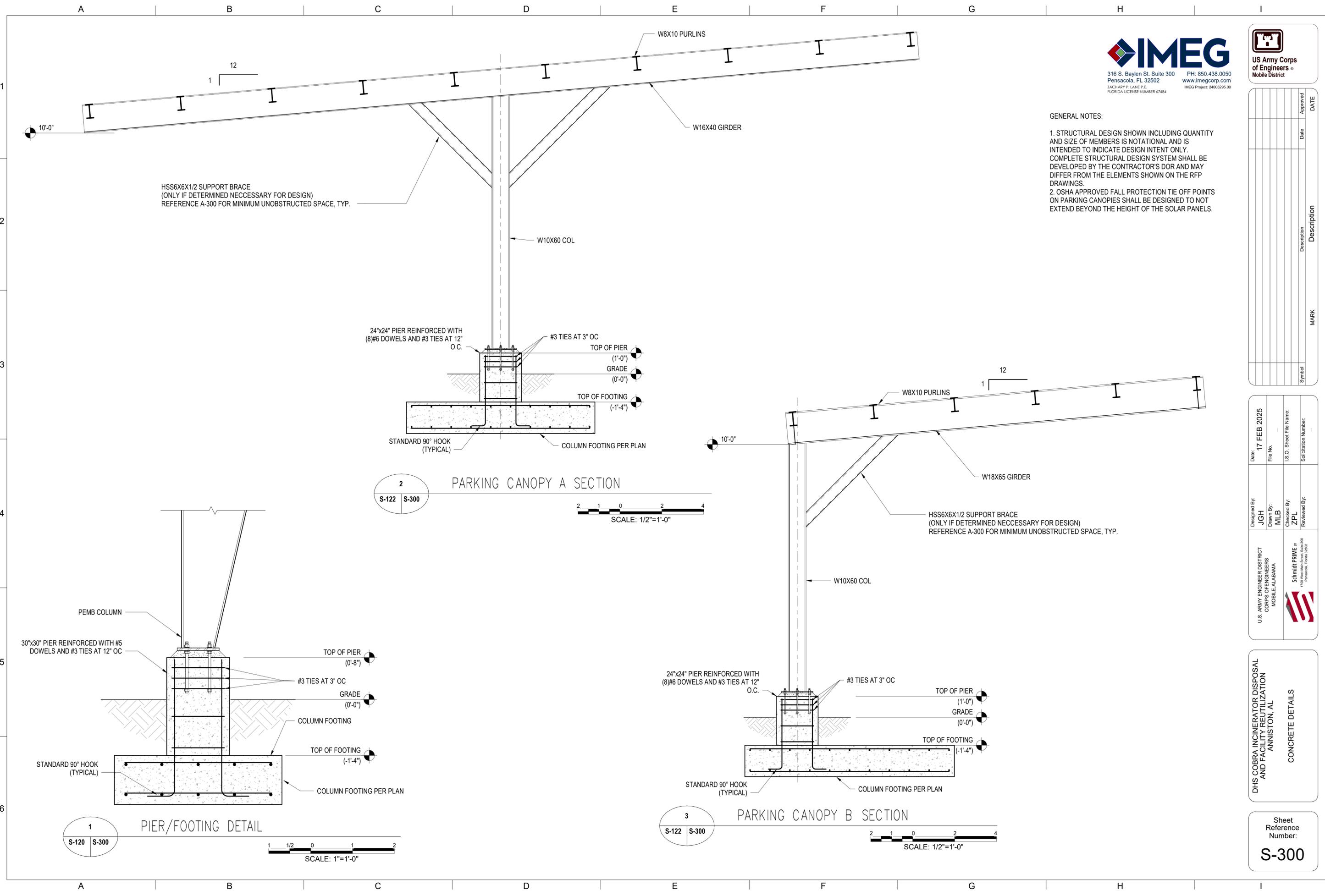
U.S. ARMY ENGINEER DISTRICT  
 CORPS OF ENGINEERS  
 MOBILE, ALABAMA

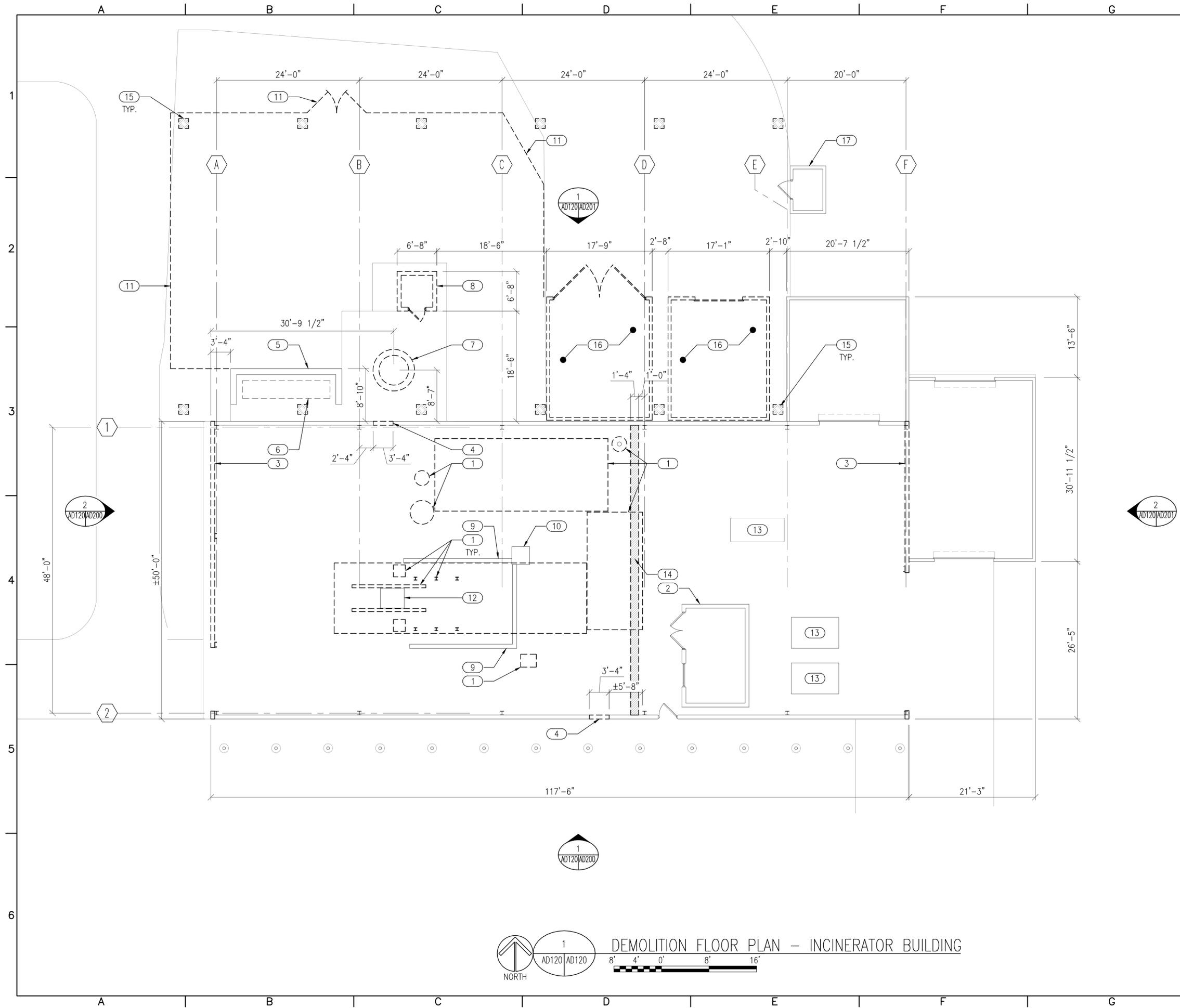
Schmidt PRIME  
 1200 West Lake Street, Suite 300  
 Pensacola, Florida 32502

DHS COBRA INCINERATOR DISPOSAL  
 AND FACILITY REUTILIZATION  
 ANNISTON, AL

CONCRETE DETAILS

Sheet Reference Number:  
**S-300**





**KEYNOTES**

- 1 DEMOLISH EXISTING INCINERATOR EQUIPMENT AND ASSOCIATED PIPING AND UTILITIES. .
- 2 EXISTING CMU STRUCTURE TO REMAIN.
- 3 REMOVE EXISTING STEEL WALL GIRTS AND METAL WALL PANEL.
- 4 REMOVE PORTION OF EXISTING METAL PANEL AND FRAMING TO ACCOMMODATE NEW DOOR, SEE NEW WORK PLANS FOR ADDITIONAL INFORMATION.
- 5 EXISTING CMU KNEE WALL TO REMAIN.
- 6 EXISTING GAS PIPING TO REMAIN.
- 7 DEMOLISH EXISTING INCINERATOR FLUE.
- 8 DEMOLISH EXISTING EQUIPMENT BUILDING IN ITS ENTIRETY.
- 9 EXISTING TRENCH TO REMAIN.
- 10 EXISTING SUMP TO REMAIN.
- 11 DEMOLISH EXISTING 6'-0"H CHAIN LINK FENCING AND GATES.
- 12 EXISTING 9" DEEP PIT.
- 13 EXISTING EQUIPMENT TO REMAIN.
- 14 DEMOLISH EXISTING CONCRETE SLAB AS REQUIRED FOR NEW WALL FOOTING.
- 15 REMOVE EXISTING PAVING/VEGETATION TO ACCOMMODATE NEW CONSTRUCTION (BID OPTION 2).
- 16 REMOVE EXISTING STORAGE SHED AND SAVE FOR REINSTALLATION (BID OPTION 2).
- 17 MODULAR BUILDING TO REMAIN.



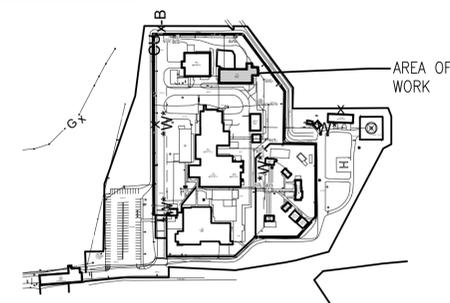
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Designed By: KGB	Date: 17 FEB 2025
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Checked By: GT	I.S.O. Sheet File Name:
Reviewed By:	Solicitation Number:

U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
MOBILE, ALABAMA

Schmid PAULIE, P.E.  
Professional Engineer No. 32922

**KEY PLAN**

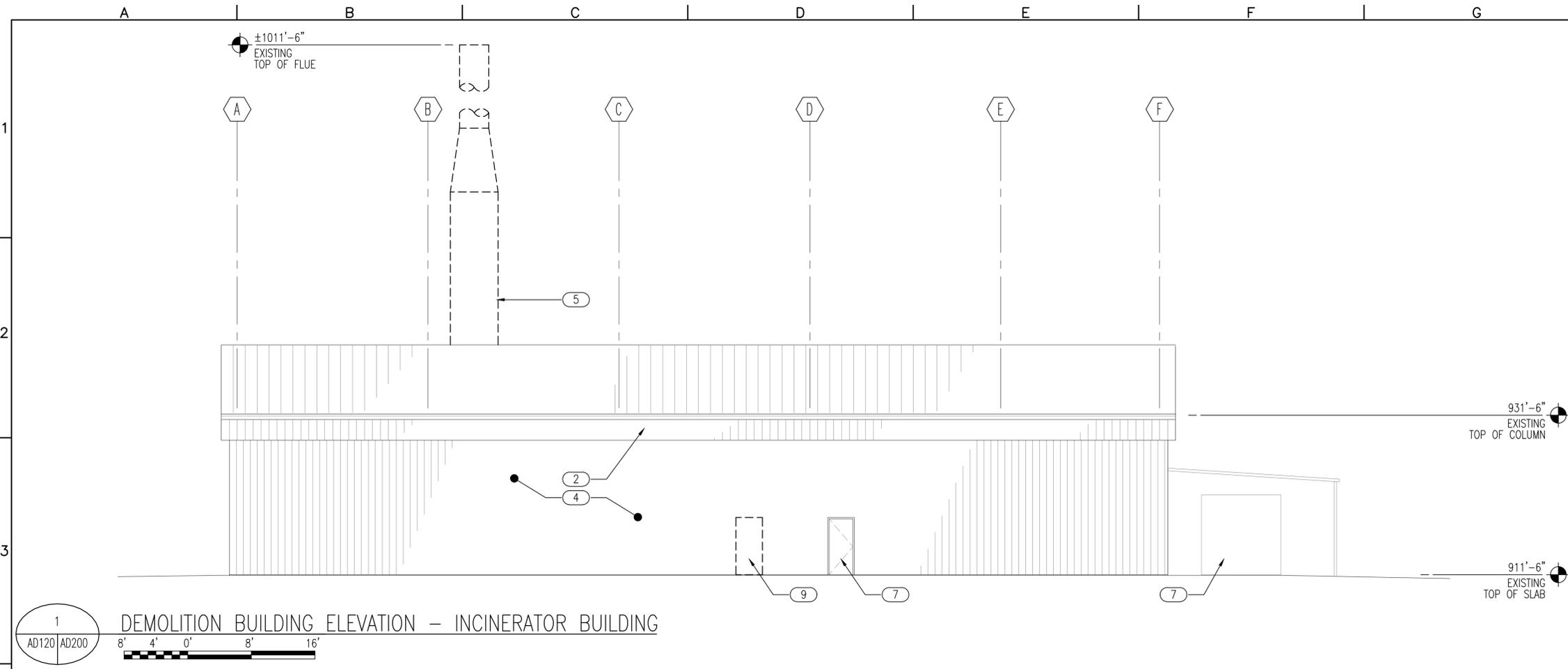


1  
 AD120 AD120  
**DEMOLITION FLOOR PLAN – INCINERATOR BUILDING**

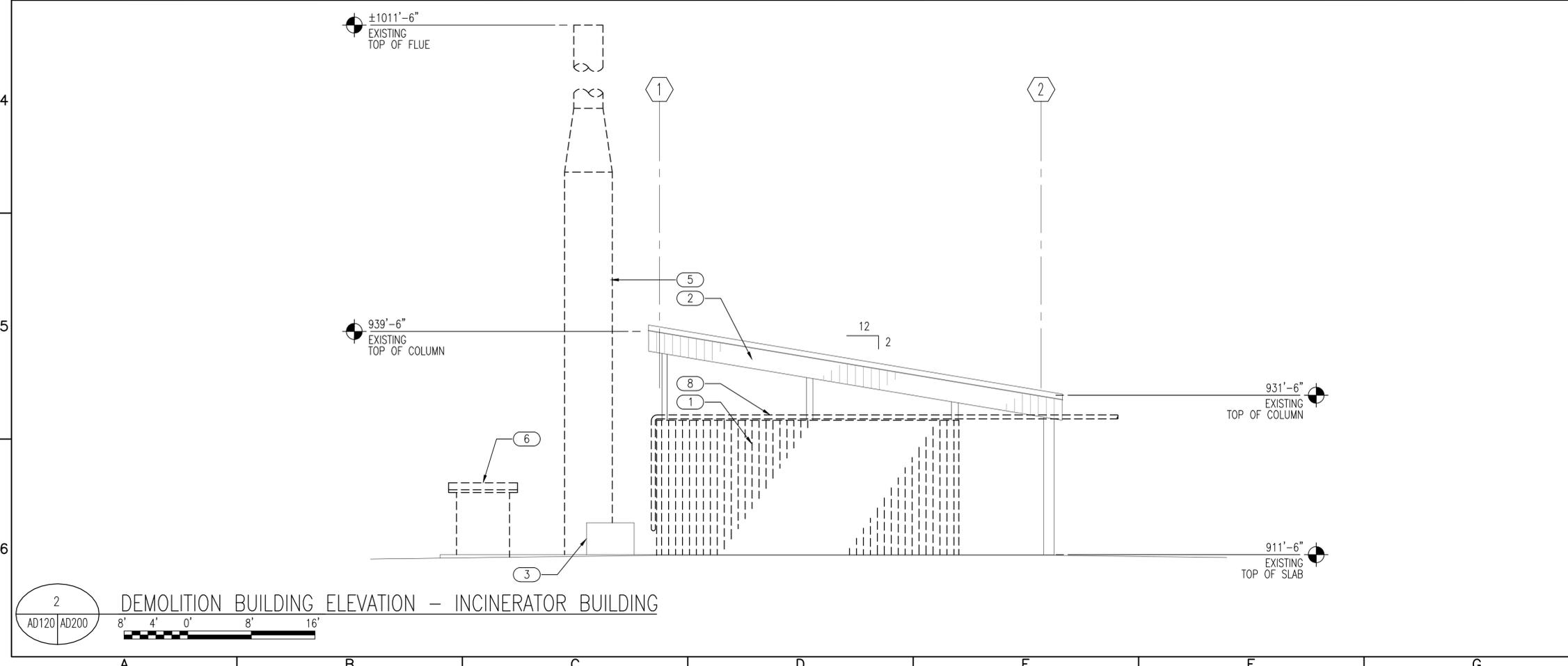
DHS COBRA INCINERATOR DISPOSAL AND FACILITY REUTILIZATION ANNISTON, AL  
**DEMOLITION FLOOR PLAN**

Sheet Reference Number:  
**AD120**





1  
AD120 AD200  
DEMOLITION BUILDING ELEVATION - INCINERATOR BUILDING



2  
AD120 AD200  
DEMOLITION BUILDING ELEVATION - INCINERATOR BUILDING

**KEYNOTES**

- 1 REMOVE EXISTING METAL WALL PANELS.
- 2 EXISTING METAL WALL PANEL TO REMAIN.
- 3 EXISTING CMU KNEE WALL TO REMAIN.
- 4 REMOVE AND REPLACE 25% OF EXISTING WALL PANELS THAT ARE DAMAGED OR CONTAIN HOLES.
- 5 DEMOLISH EXISTING INCINERATOR FLUE.
- 6 DEMOLISH EXISTING EQUIPMENT BUILDING IN ITS ENTIRETY.
- 7 EXISTING DOOR AND FRAME TO REMAIN.
- 8 REMOVE PORTION OF GAS LINE IN PLANE OF EXISTING WALL PANEL TO BE REMOVED, SAVE FOR REINSTALLATION.
- 9 REMOVE PORTION OF EXISTING METAL PANEL AND FRAMING TO ACCOMMODATE NEW DOOR, SEE NEW WORK PLANS FOR ADDITIONAL INFORMATION.

Symbol	Description	Date	Approved

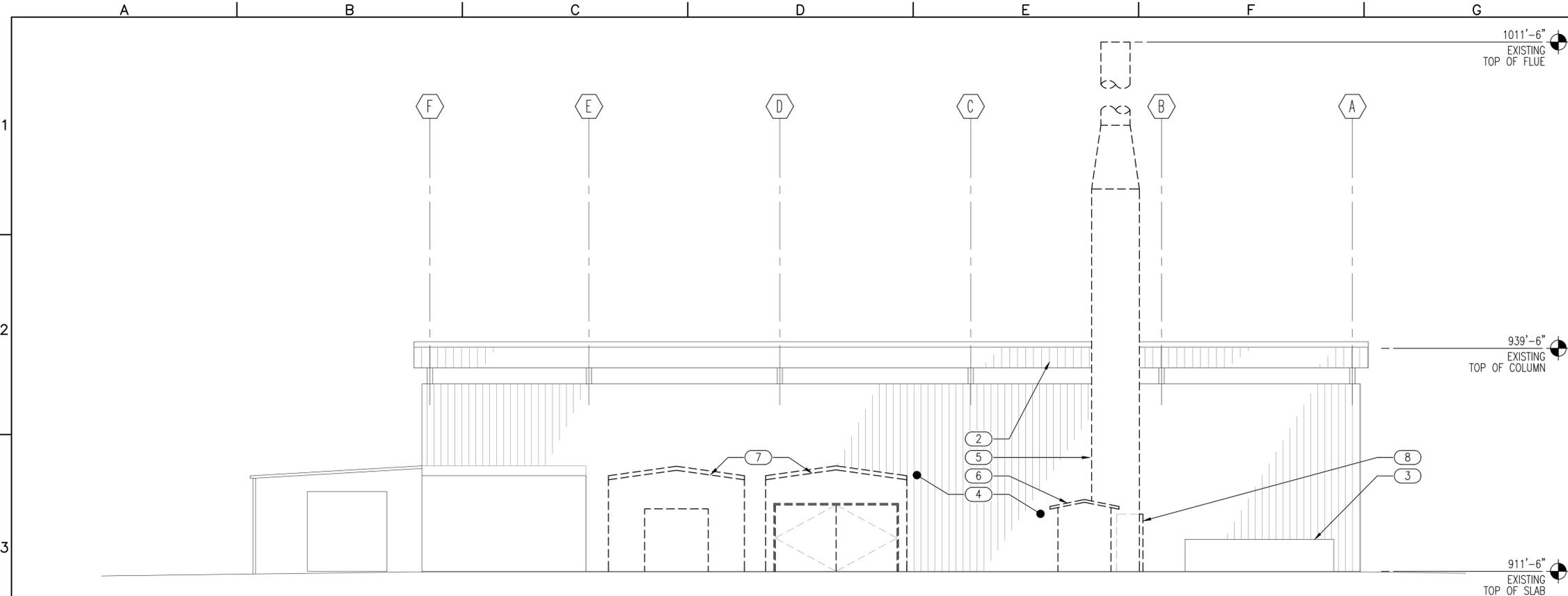


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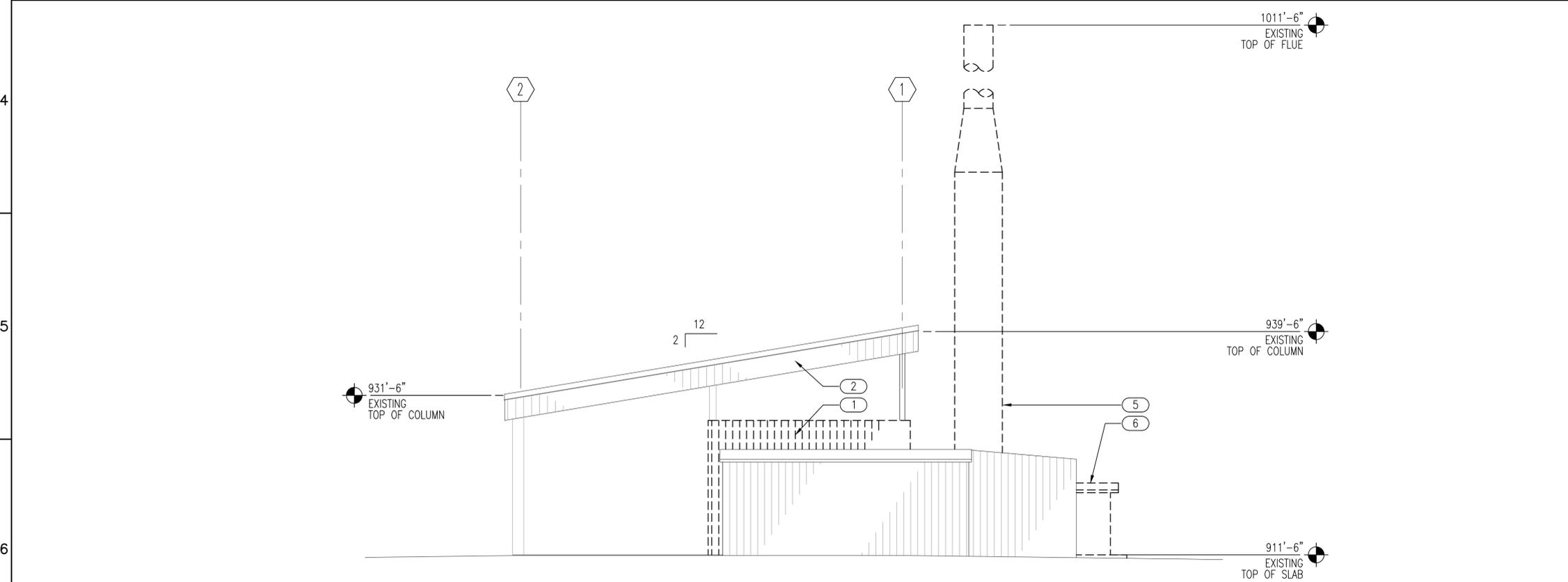


DHS COBRA INCINERATOR DISPOSAL AND FACILITY REUTILIZATION ANNISTON, AL  
EXTERIOR DEMOLITION ELEVATIONS

Sheet Reference Number:  
AD200



1  
AD120 | AD201  
DEMOLITION BUILDING ELEVATION – INCINERATOR BUILDING  
8' 4' 0' 8' 16'



2  
AD120 | AD201  
DEMOLITION BUILDING ELEVATION – INCINERATOR BUILDING  
8' 4' 0' 8' 16'

KEYNOTES

- 1 REMOVE EXISTING METAL WALL PANELS.
- 2 EXISTING METAL WALL PANEL TO REMAIN.
- 3 EXISTING CMU KNEE WALL TO REMAIN.
- 4 REMOVE AND REPLACE 25% OF EXISTING WALL PANELS THAT ARE DAMAGED OR CONTAIN HOLES.
- 5 DEMOLISH EXISTING INCINERATOR FLUE.
- 6 DEMOLISH EXISTING EQUIPMENT BUILDING IN ITS ENTIRETY.
- 7 REMOVE EXISTING STORAGE SHED AND SAVE FOR REINSTALLATION (BID OPTION 2).
- 8 REMOVE PORTION OF EXISTING METAL PANEL AND FRAMING TO ACCOMMODATE NEW DOOR, SEE NEW WORK PLANS FOR ADDITIONAL INFORMATION.



Symbol	Description	Date	Approved

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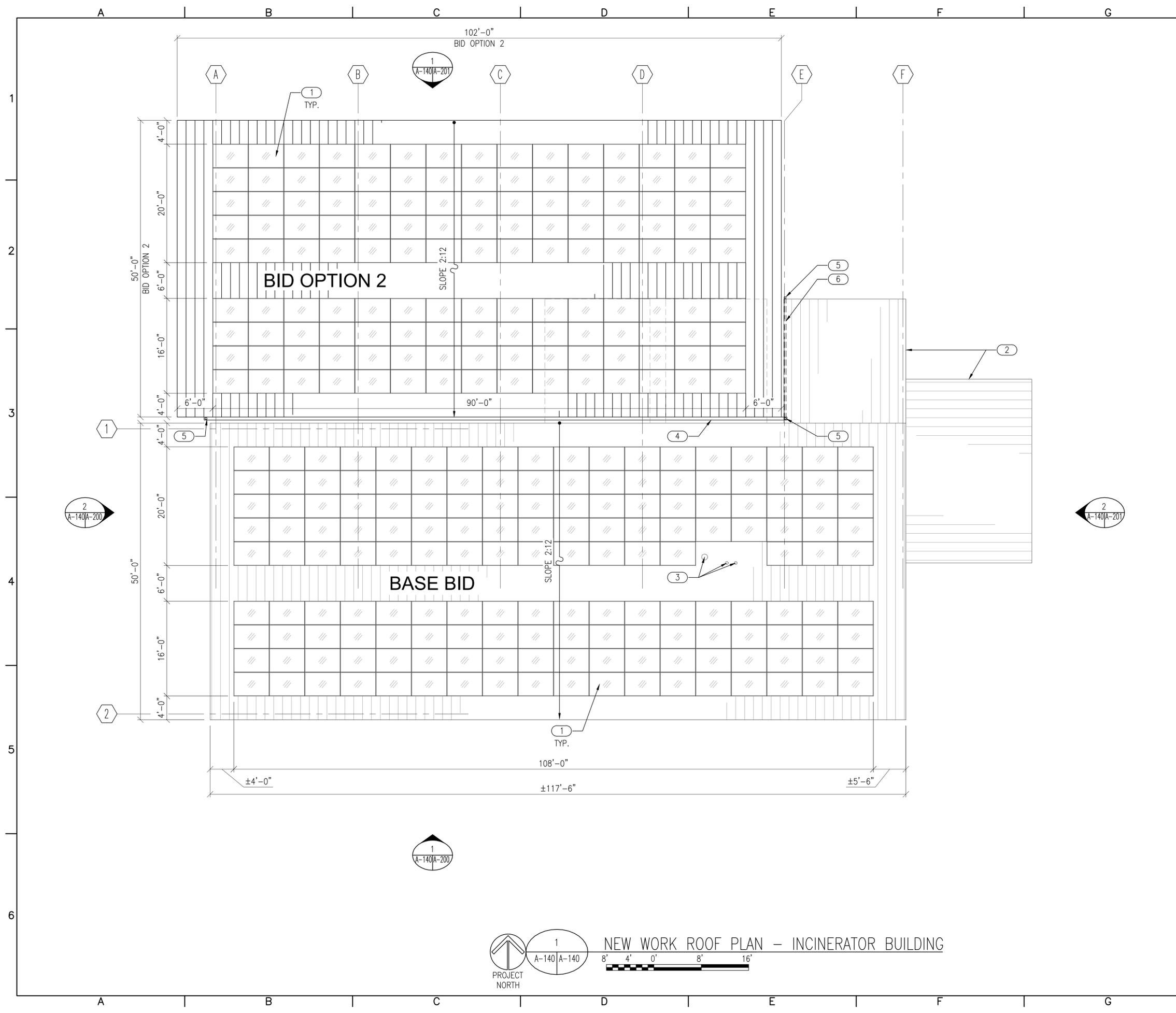
DHS COBRA INCINERATOR DISPOSAL AND FACILITY REUTILIZATION ANNISTON, AL  
**EXTERIOR DEMOLITION ELEVATIONS**

Sheet Reference Number:  
AD201









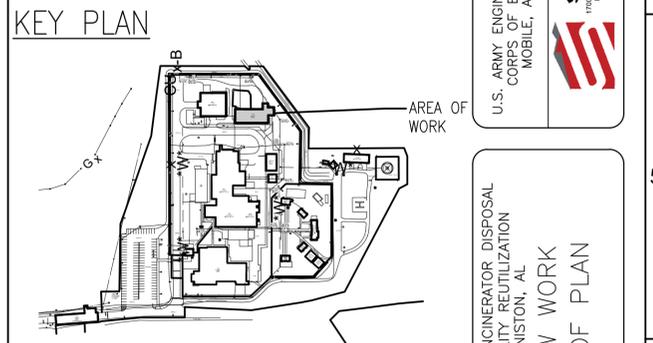
**KEYNOTES**

- 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.

Symbol	Description	Date	Approved



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Checked By: GY	I.S.O. Sheet File Name:
Reviewed By:	Solicitation Number:



**GENERAL NOTES**

- 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.
- SEE SECTION 01 10 10, PART 10 OF THE RFP FOR FALL PROTECTION REQUIREMENTS.

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

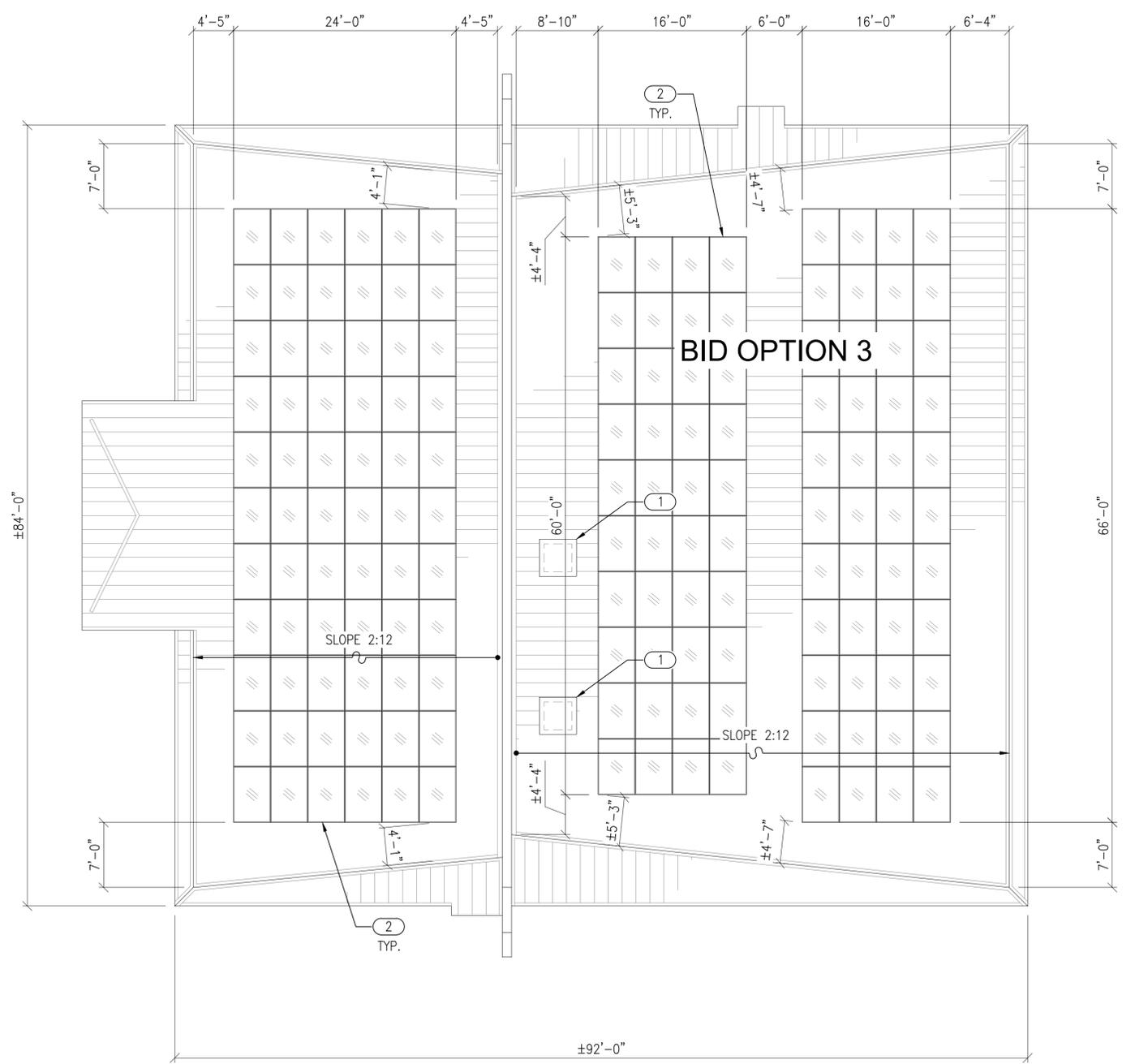
Sheet Reference Number:  
**A-140**

**NEW WORK ROOF PLAN – INCINERATOR BUILDING**

PROJECT NORTH

A B C D E F G H

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**KEYNOTES**

- ① EXISTING EXHAUST FANS TO REMAIN.
- ② NEW SOLAR PANEL ARRAY, SEE ELECTRICAL.



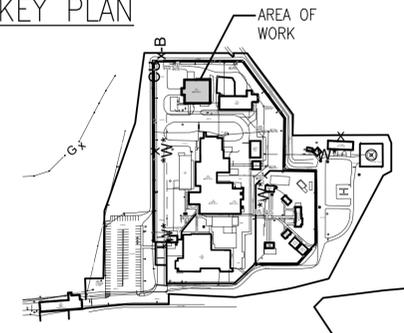
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U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
MOBILE, ALABAMA

Schmid PRIME  
Professional Services, Inc.  
11000 Highway 100  
Birmingham, AL 35202

**KEY PLAN**



**GENERAL NOTES**

1. ALL WORK SHOWN ON THIS SHEET IS BID OPTION 3.
2. ATTACH SOLAR ARRAY PANELS TO EXISTING MEMBRANE ROOF SYSTEM ON STEEL BAR JOIST STRUCTURE. SEE EXISTING DRAWINGS ATTACHED TO THIS RFP FOR ROOF HEIGHTS AND SLOPE. ATTACHMENT OF SOLAR PANELS SHALL BE DONE IN A MANNER THAT DOES NOT VOID THE ROOF WARRANTY.
3. SEE SECTION 01 10 10, PART 10 OF THE RFP FOR FALL PROTECTION REQUIREMENTS.


1  
A-141/A-141

**O & M BLDG NEW WORK ROOF PLAN**  


DHS COBRA INCINERATOR DISPOSAL AND FACILITY REUTILIZATION ANNISTON, AL

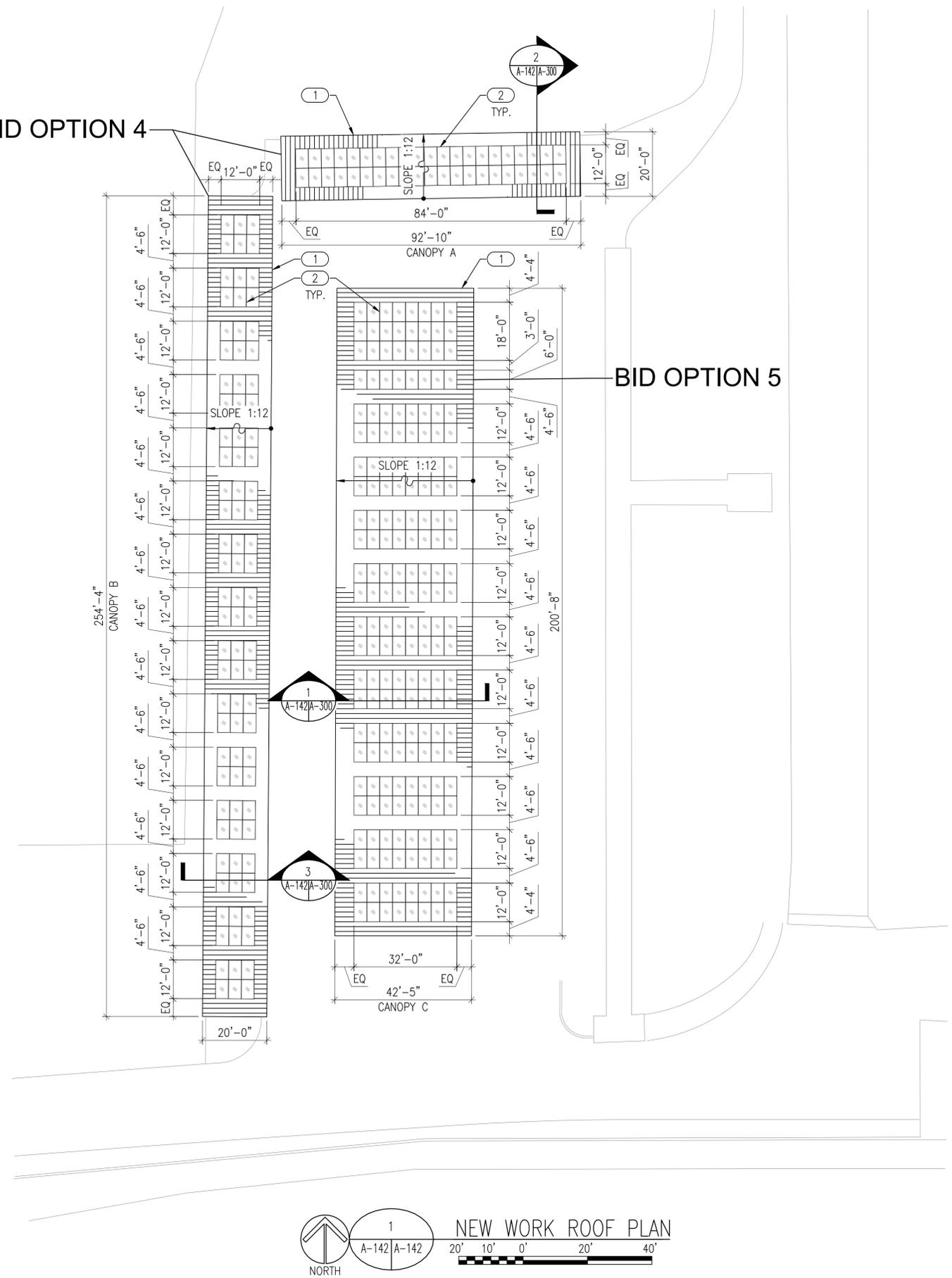
**O & M BUILDING (801E) NEW WORK ROOF PLAN**

Sheet Reference Number:  
**A-141**

A B C D E F G H

BID OPTION 4

BID OPTION 5



KEYNOTES

- 1 SOLAR PANEL CANOPY.
- 2 SOLAR PANEL ARRAY, SEE ELECTRICAL.

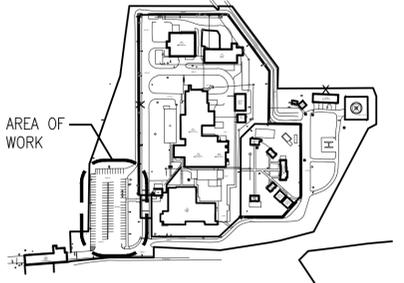


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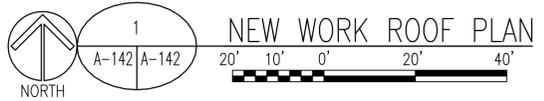
DHS COBRA INCINERATOR DISPOSAL AND FACILITY REUTILIZATION ANNISTON, AL  
NEW WORK  
ROOF PLAN

KEY PLAN

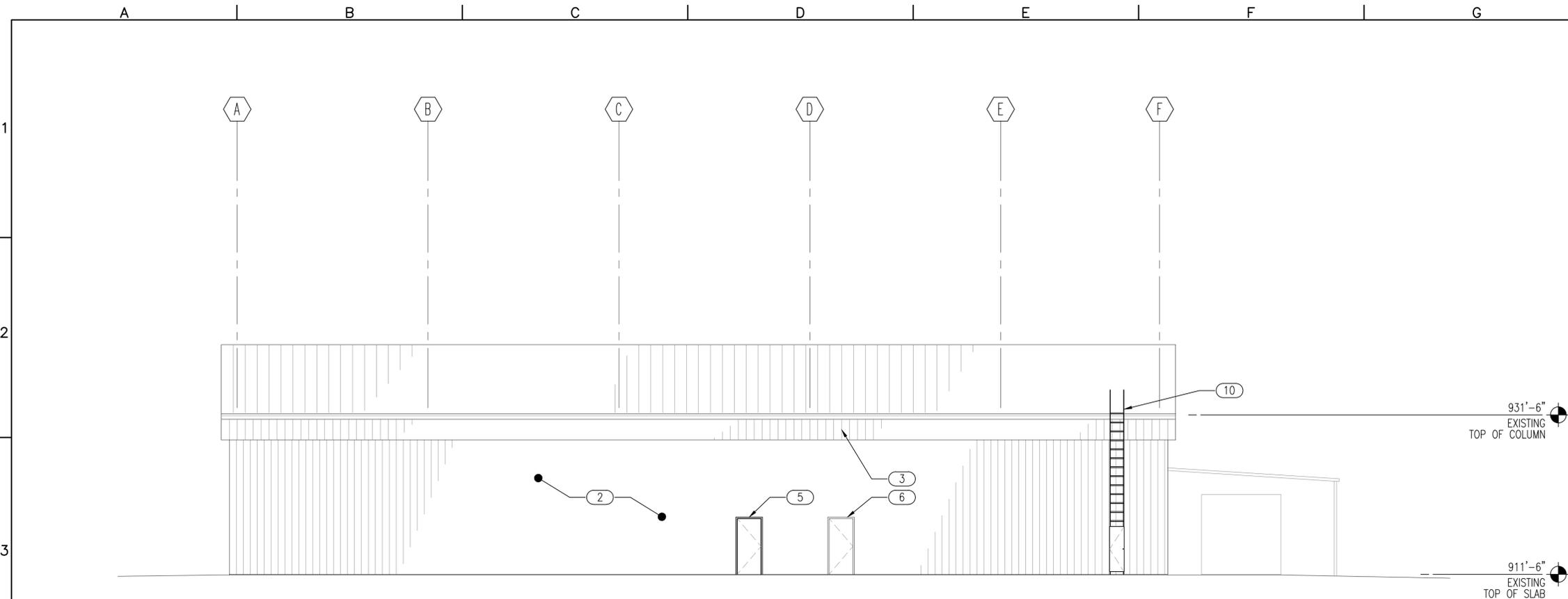


GENERAL NOTES

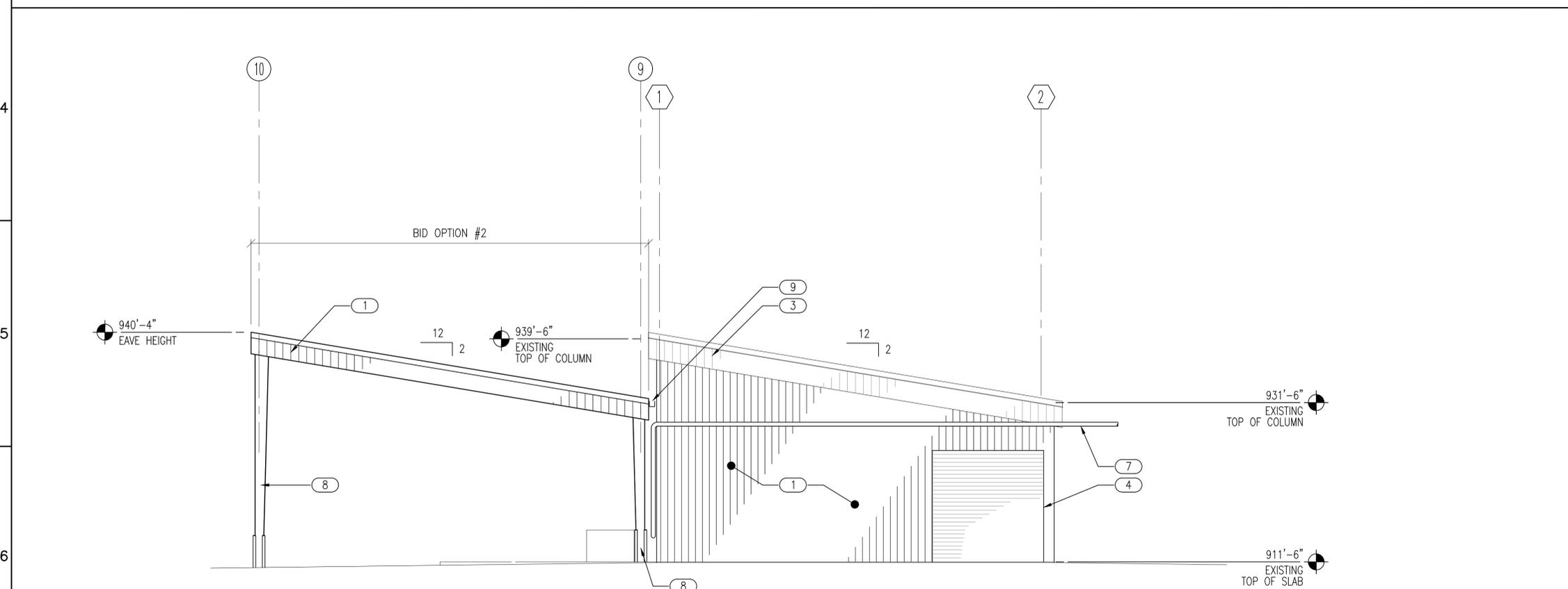
1. ALL WORK SHOWN ON THIS SHEET IS BID OPTION 4 AND 5.



Sheet Reference Number:  
A-142



1 NEW WORK BUILDING ELEVATION – INCINERATOR BUILDING  
 A-120 | A-200  
 8' 4' 0' 8' 16'



2 NEW WORK BUILDING ELEVATION – INCINERATOR BUILDING  
 A-120 | A-200  
 8' 4' 0' 8' 16'

- ### KEYNOTES
- 1 NEW METAL WALL PANEL TO MATCH EXISTING.
  - 2 EXISTING REPAIRED METAL WALL PANEL.
  - 3 EXISTING METAL WALL PANEL.
  - 4 NEW OHCD.
  - 5 NEW DOOR & FRAME.
  - 6 EXISTING DOOR & FRAME.
  - 7 REINSTALL EXISTING GAS LINE OFFSET 12" MIN. FROM NEW WALL PANEL TO OUTSIDE OF WALL.
  - 8 NEW PAINTED STEEL COLUMN (BID OPTION 2).
  - 9 CONTINUOUS GUTTER (BID OPTION 2).
  - 10 NEW OSHA COMPLIANT LADDER WITH FALL PROTECTION SYSTEM AND LOCKABLE DOOR PANEL AT BOTTOM OF LADDER.



Symbol	Description	Date	Approved

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U.S. ARMY ENGINEER DISTRICT  
 CORPS OF ENGINEERS  
 MOBILE, ALABAMA

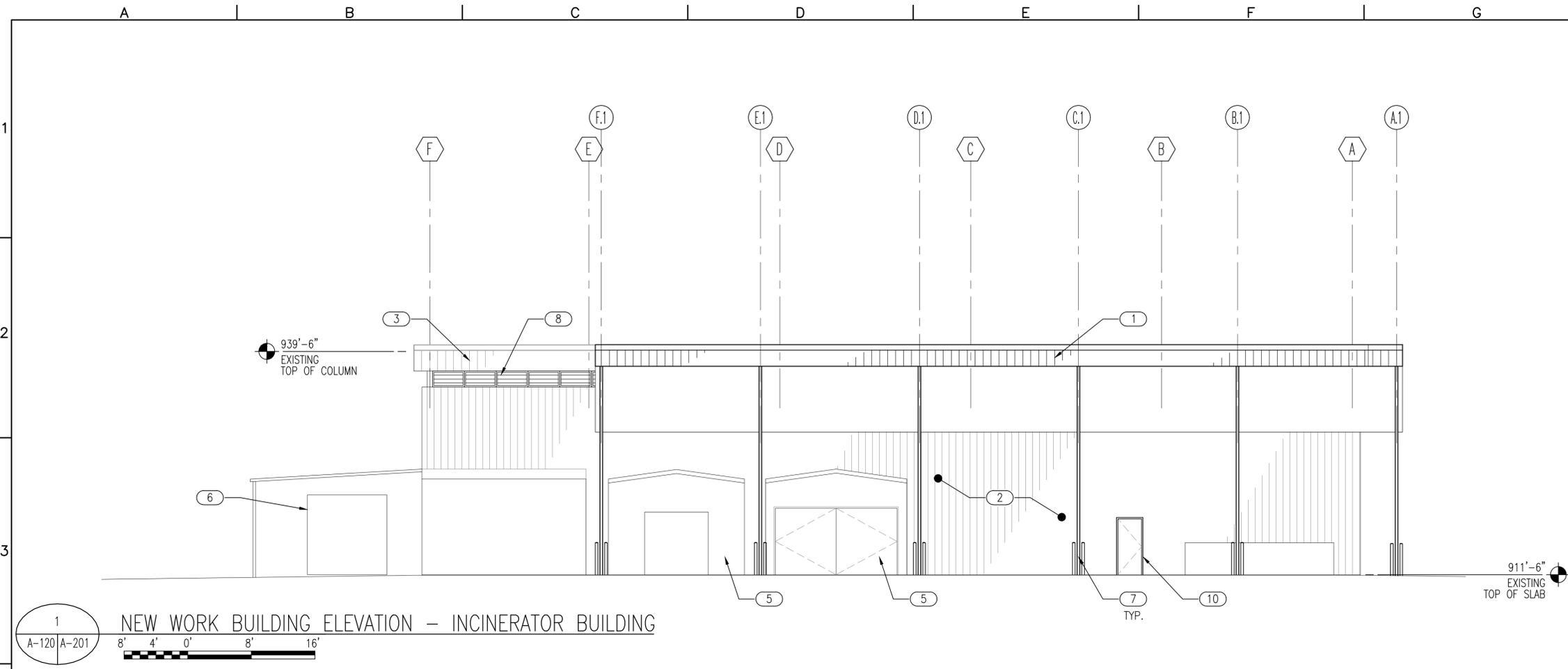
Schmidt PRINCE & ASSOCIATES  
 PROFESSIONAL ENGINEERS  
 11000 Highway 20202  
 Birmingham, Alabama 35242

DHS COBRA INCINERATOR DISPOSAL AND FACILITY REUTILIZATION ANNISTON, AL  
**EXTERIOR NEW WORK ELEVATIONS**

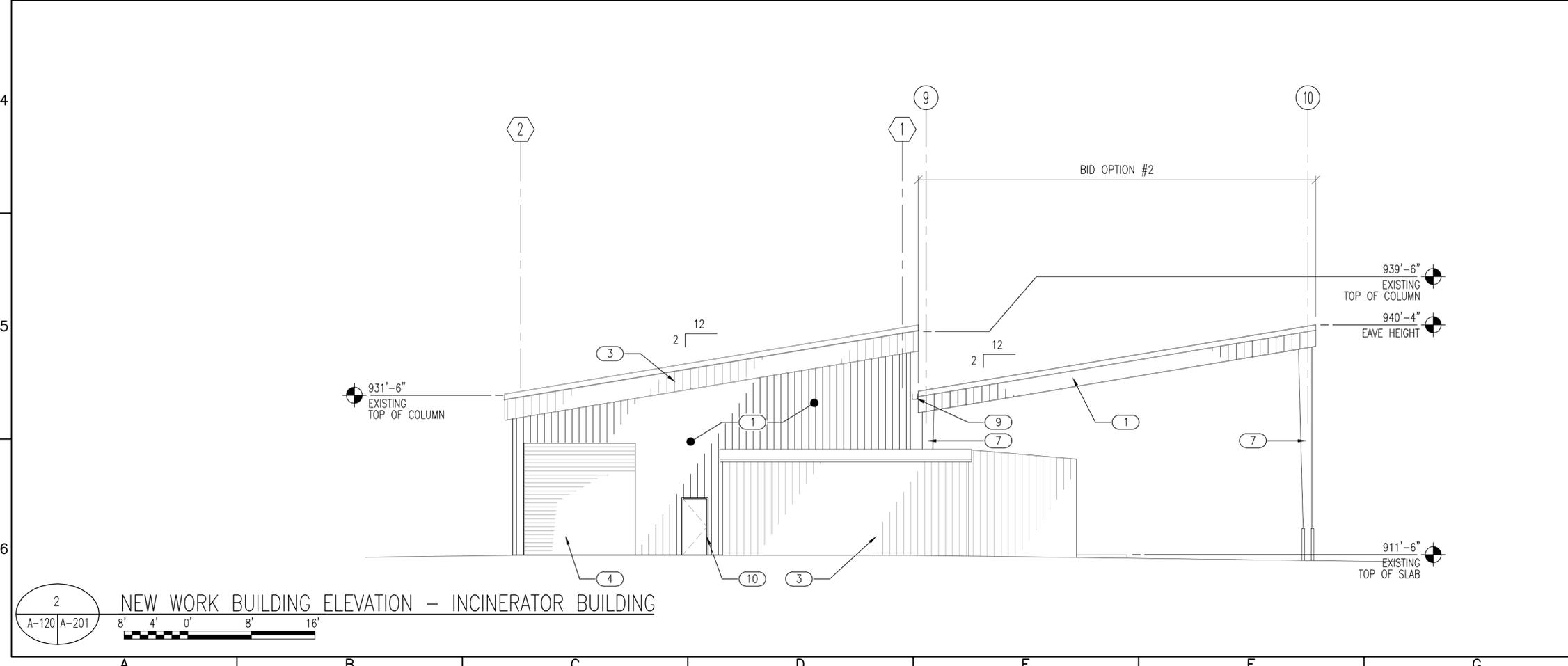
### GENERAL NOTES

1. SEE SECTION 01 10 10, PART 10 OF THE RFP FOR FALL PROTECTION REQUIREMENTS.

Sheet Reference Number:  
**A-200**



1  
A-120 | A-201  
NEW WORK BUILDING ELEVATION – INCINERATOR BUILDING  
8' 4' 0' 8' 16'



2  
A-120 | A-201  
NEW WORK BUILDING ELEVATION – INCINERATOR BUILDING  
8' 4' 0' 8' 16'

KEYNOTES

- 1 NEW METAL WALL PANEL TO MATCH EXISTING.
- 2 EXISTING REPAIRED METAL WALL PANEL.
- 3 EXISTING METAL WALL PANEL.
- 4 NEW OHCD.
- 5 REINSTALL EXISTING STORAGE SHED AFTER INSTALLATION OF NEW CANOPY STRUCTURE (BID OPTION 2).
- 6 EXISTING OVERHEAD COILING DOOR & FRAME.
- 7 NEW PAINTED STEEL COLUMN (BID OPTION 2).
- 8 NEW 2'-0"x4'-0" METAL LOUVERS IN EXISTING WALL OPENINGS, TYP. ALONG LENGTH OF WALL.
- 9 CONTINUOUS GUTTER (BID OPTION 2).
- 10 NEW 3'-0"x7'-0" PERSONNEL DOOR.



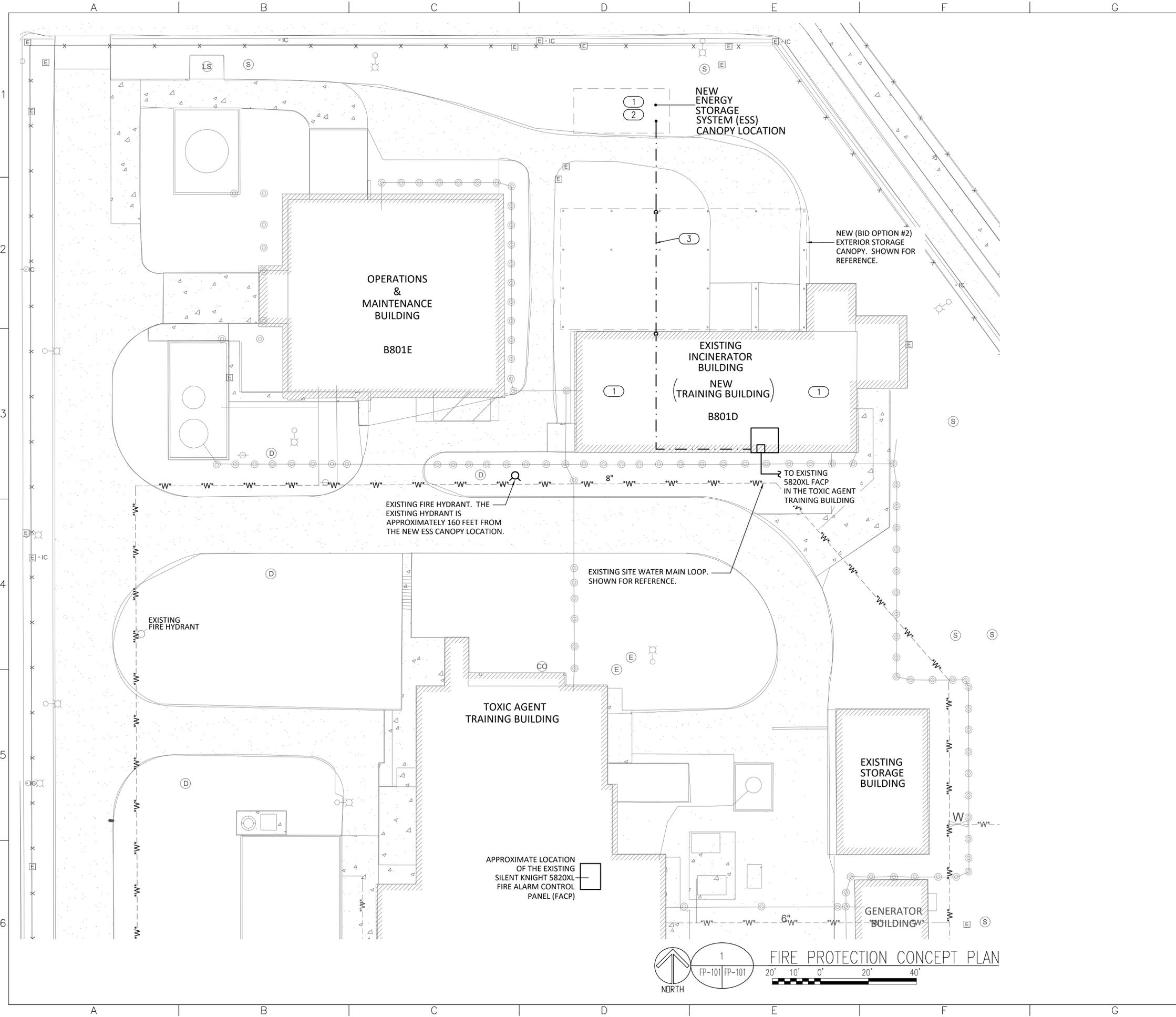
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Checked By: GT	I.S.O. Sheet File Name:
Reviewed By:	Solicitation Number:

DHS COBRA INCINERATOR DISPOSAL AND FACILITY REUTILIZATION ANNISTON, AL  
EXTERIOR NEW WORK ELEVATIONS

Sheet Reference Number:  
A-201





**LEGEND**

--- NEW FIRE ALARM COMMUNICATION CIRCUIT(S)

⊕ EXISTING FIRE HYDRANT

- KEYNOTES**
- 1 FIRE ALARM SYSTEM TO BE PROVIDED FOR THE NEW TRAINING BUILDING AND ESS BATTERY/EQUIPMENT CABINET. SEE THE RFP, SECTION 01 10 10 FOR A REQUIREMENTS SUMMARY.
  - 2 FIRE SUPPRESSION SYSTEM SHALL BE PROVIDED FOR THE ESS BATTERY/EQUIPMENT CABINET. REFER TO THE RFP SECTION, 01 10 10 FOR A REQUIREMENTS SUMMARY.
  - 3 NEW FIRE ALARM COMMUNICATIONS CIRCUIT. THE NEW FIRE ALARM COMMUNICATIONS CIRCUIT SHALL BE USED TO MONITOR THE ESS BATTERY/EQUIPMENT CABINET ALARM AND SUPPRESSION SYSTEM.



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MOBILE, ALABAMA

Schmidt PRIME, Inc.  
Professional Florida 2202

DHS COBRA INCINERATOR DISPOSAL AND FACILITY REUTILIZATION ANNISTON, AL

**FIRE PROTECTION CONCEPT PLAN**

Sheet Reference Number:  
**FP-101**



**FIRE PROTECTION CONCEPT PLAN**



### GENERAL NOTES

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

### SHEET NOTES

- ① PROVIDE NEW 2" CW PIPING UP TO ROOF FOR SOLAR PANEL WASH-DOWN SYSTEM.
- 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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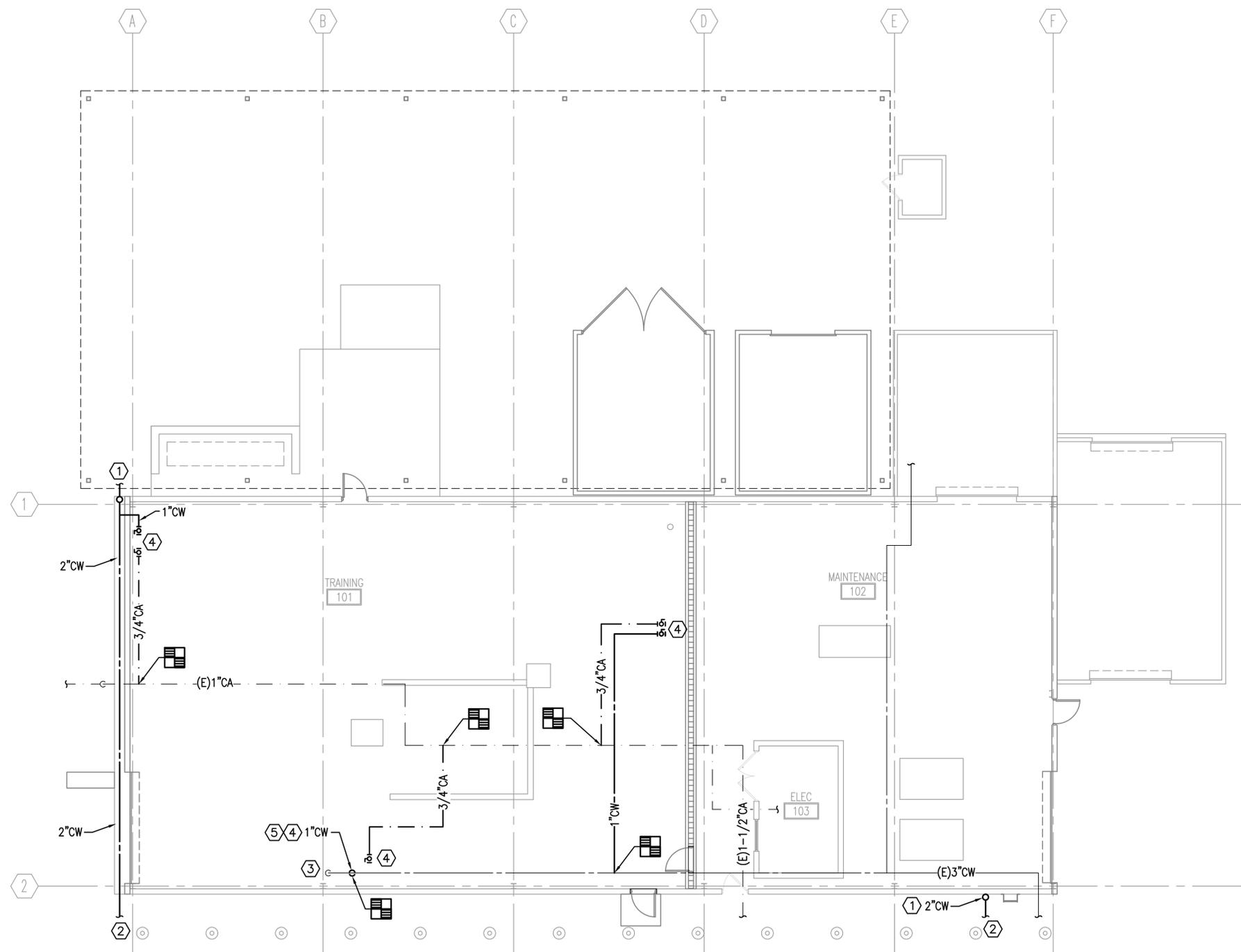
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Professional Engineer  
Professional No. 22202

DHS COBRA INCINERATOR DISPOSAL  
AND FACILITY REUTILIZATION  
ANNISTON, AL

**MECHANICAL NEW WORK  
FLOOR PLAN**

Sheet  
Reference  
Number:  
**M-101**



**MECHANICAL NEW WORK FLOOR PLAN**

1  
M-101 | M-101

8' 4' 0' 8' 16'

NORTH

**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.

**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 NEW ENERGY STORAGE BATTERY CABINET, 300 KWH. PART OF BID OPTION #1. REFER TO SINGLE LINE FOR ADDITIONAL INFORMATION.
- 13 PROVIDE FIBEROPTIC CONNECTION FROM NEW INVERTER TO NEW MICROGRID CONTROLLER. 1" CONDUIT, UNDERGROUND.
- 14 ALL WORK SHALL BE PRICED AS BID OPTION #2
- 15 ALL WORK SHALL BE PRICED AS BID OPTION #3
- 16 ALL WORK SHALL BE PRICED AS BID OPTION #4
- 17 ALL WORK SHALL BE PRICED AS BID OPTION #5
- 18 NEW INVERTER '11'. REFER TO SINGLE LINE DIAGRAM FOR ADDITIONAL INFORMATION.
- 19 NEW INVERTER '12'. REFER TO SINGLE LINE DIAGRAM FOR ADDITIONAL INFORMATION.
- 20 NEW INVERTER '13'. REFER TO SINGLE LINE DIAGRAM FOR ADDITIONAL INFORMATION.

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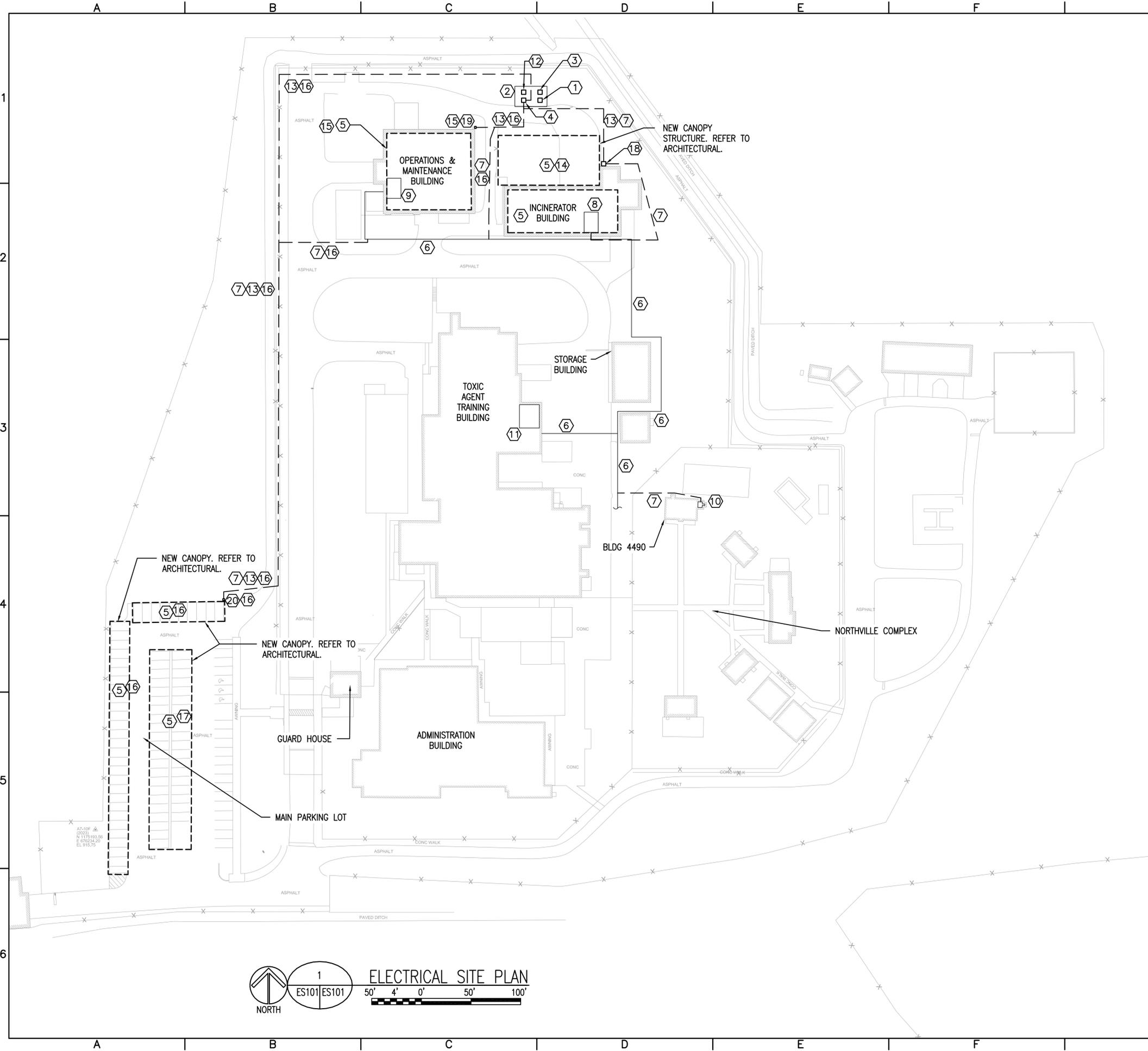
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DHS COBRA INCINERATOR DISPOSAL AND FACILITY REUTILIZATION ANNISTON, AL

**ELECTRICAL SITE PLAN**

Sheet Reference Number:  
**ES101**



**ELECTRICAL SITE PLAN**  
 1  
 ES101 ES101  
 50' 4' 0' 50' 100'  
 NORTH



**SHEET NOTES**

- 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 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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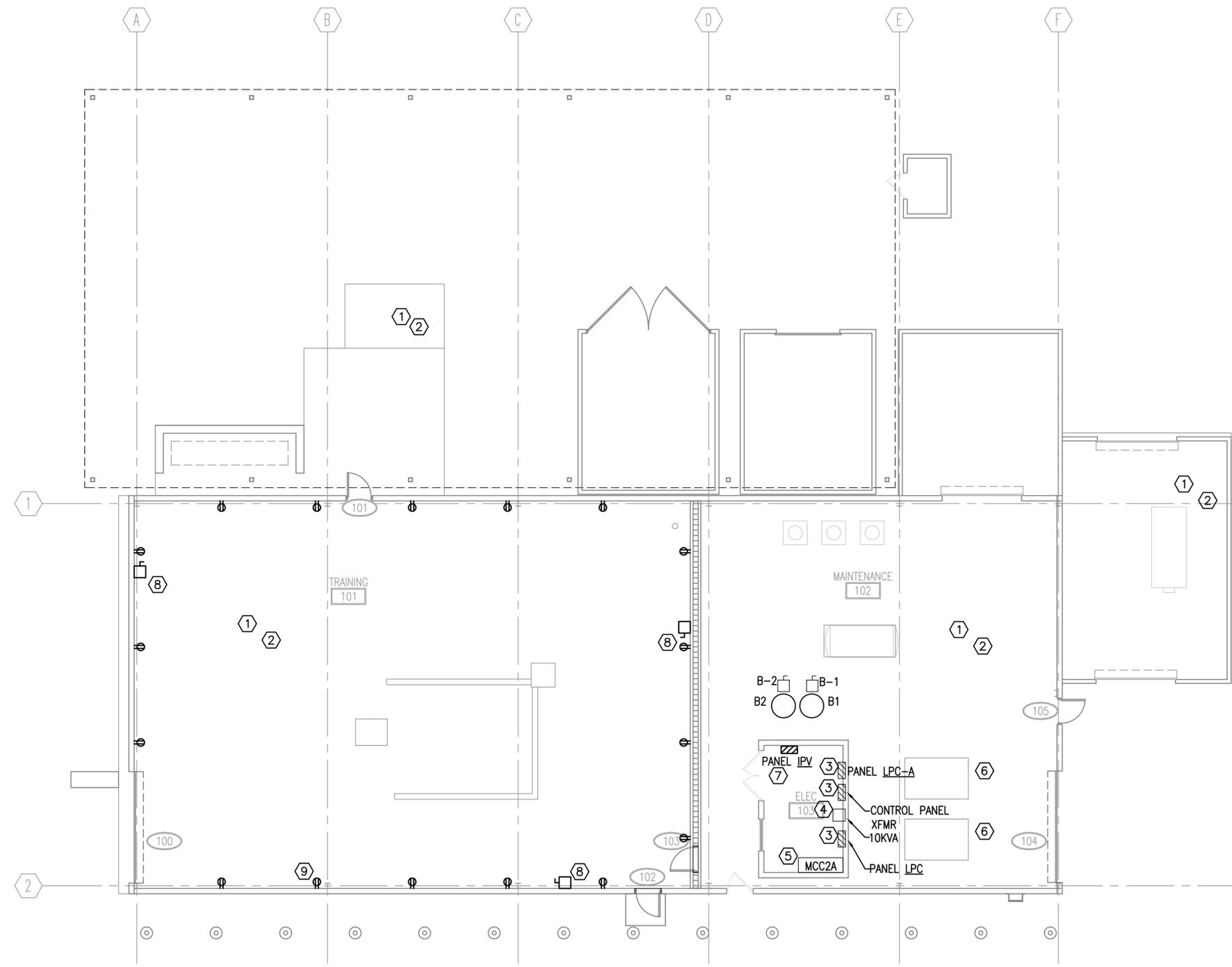
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DHS COBRA INCINERATOR DISPOSAL  
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**ELECTRICAL DEMOLITION  
 FLOOR PLAN**

Sheet  
 Reference  
 Number:  
**E-101**



**ELECTRICAL NEW WORK FLOOR PLAN**

1  
 E-101 E-101

NORTH

8' 4' 0' 8' 16'

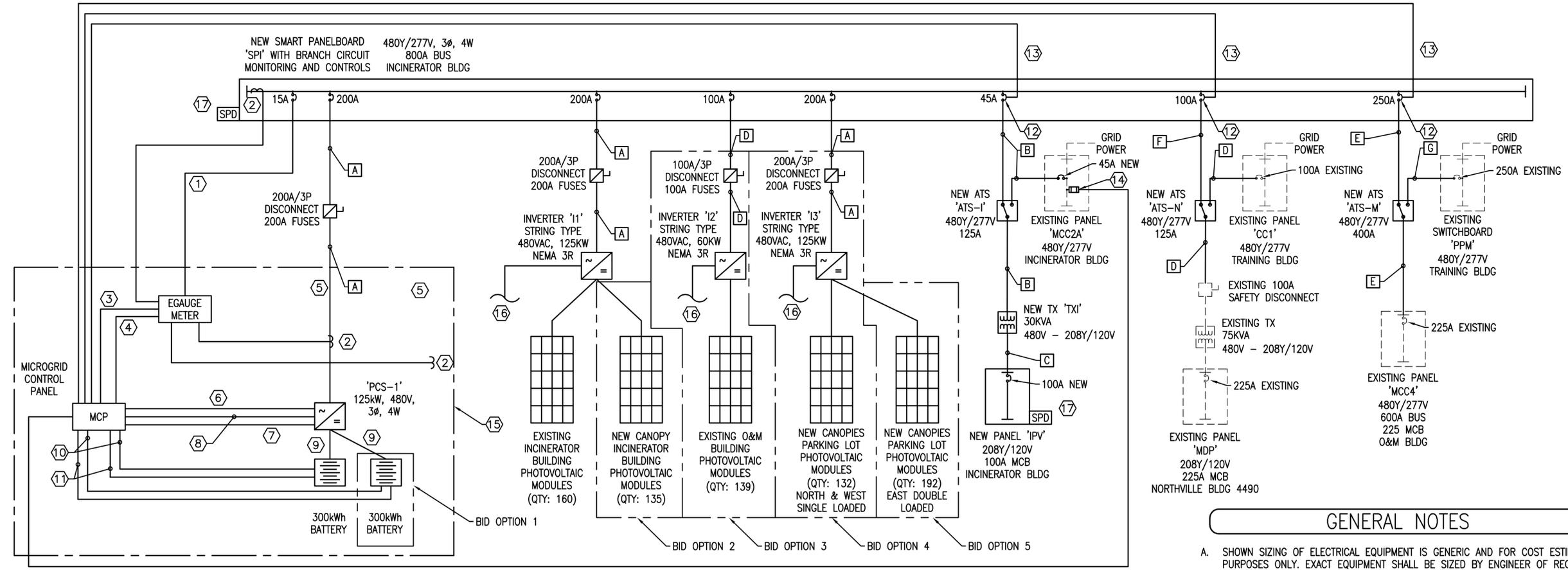


### SINGLE LINE DIAGRAM NOTES

- 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#10AWG 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.

### LINE LEGEND

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

1 ELECTRICAL SINGLE LINE DIAGRAM  
E-601 E-601 NOT TO SCALE

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DHS COBRA INCINERATOR DISPOSAL AND FACILITY REUTILIZATION ANNISTON, AL

ELECTRICAL SINGLE LINE POWER DIAGRAM

Sheet Reference Number:  
**E-601**