US Army Corps of Engineers ®
SAVANNAH DISTRICT

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
ISSUE DATE: JANUARY 2026

ERIK VELAZQUEZ
Lic. No.016157
1/21/2026
ARCHITECT
COMMONWEALTH OF VIRGINIA

US Army Corps of Engineers ®

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HUNTER ARMY AIRFIELD, GEORGIA
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SHEET INDEX

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A1. APPLICABLE CODES AND STANDARDS

ABBREVIATIO...	TITLE	EDITION
IBC	INTERNATIONAL BUILDING CODE	2024
NFPA 1	FIRE CODE	2024
NFPA 10	STANDARD FOR PORTABLE FIRE EXTINGUISHERS	2026
NFPA 13	STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS	2025
NFPA 24	STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES	2025
NFPA 70	NATIONAL ELECTRICAL CODE	2026
NFPA 72	NATIONAL FIRE ALARM AND SIGNALING CODE	2025
NFPA 90A	STANDARD FOR THE INSTALLATION OF AIR-CONDITIONING AND VENTILATING SYSTEMS	2024
NFPA 92	STANDARD FOR SMOKE CONTROL SYSTEMS	2024
NFPA 99	HEALTH CARE FACILITIES CODE	2024
NFPA 101	LIFE SAFETY CODE	2024
NFPA 150	FIRE AND LIFE SAFETY IN ANIMAL HOUSING FACILITIES CODE	2025
NFPA 291	RECOMMENDED PRACTICE FOR FIRE FLOW TESTING AND MARKING OF HYDRANTS	2025
NFPA 1225	STANDARD FOR EMERGENCY SERVICES COMMUNICATIONS	2022
UFC 1-200-01	DOD BUILDING CODE	CHANGE 4, 2024
UFC 3-301-01	STRUCTURAL ENGINEERING	CHANGE 4, 2025
UFC 3-600-01	DESIGN: FIRE PROTECTION ENGINEERING FOR FACILITIES	CHANGE 6, 2021
UFC 4-010-01	DoD MINIMUM ANTITERRORISM STANDARDS FOR BUILDINGS	CHANGE 3, 2024
UFC 4-021-01	DESIGN AND O&M: MASS NOTIFICATION SYSTEMS	CHANGE 1, 2010
UFC 4-510-01	MILITARY MEDICAL FACILITIES	CHANGE 4, 2025
ECB 2018-17	NEW REQUIREMENTS FOR VISUAL NOTIFICATION FOR MASS NOTIFICATION SYSTEMS	REVISION 4, 2025

A2. TYPE OF CONSTRUCTION (IBC 601)

BUILDING ELEMENT	TYPE OF CONSTRUCTION	FIRE RESISTANCE RATING
PRIMARY STRUCTURAL FRAME	IIB	0 HR
BEARING EXTERIOR WALL	IIB	0 HR
BEARING INTERIOR WALL	IIB	0 HR*
NON-BEARING EXTERIOR WALL	IIB	0 HR
NON-BEARING INTERIOR WALL	IIB	0 HR*
ROOF CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS	IIB	0 HR

* EXCEPT AS REQUIRED FOR OCCUPANCY SEPARATION, INCIDENTAL USE, AND OTHER PASSIVE FIRE PROTECTION.

A3. CLASSIFICATION OF OCCUPANCY

AREAS	IBC OCCUPANCY	NFPA 101 OCCUPANCY	NFPA 150 ANIMAL HOUSING CATEGORY
OFFICE, FOOD STORAGE, TOILETS, MOTHERS ROOM, MULTIPURPOSE HANDLER, TACK ROOM, CIRCULATION	BUSINESS, GROUP B (304.1)	BUSINESS (6.1.11)	N/A
VETERINARY TREATMENT, SURGERY	BUSINESS, GROUP B (304.1)	BUSINESS (6.1.11)	CATEGORY 1-B (6.2.1.3)
KENNELS, QUARANTINE	BUSINESS, GROUP B (304.1)	BUSINESS (6.1.11)	CATEGORY 6-B (6.2.6.3)

A4. ALLOWABLE AREA

OCCUPANCY / ANIMAL HOUSING CATEGORY	BUILDING FACTOR	ALLOWABLE AREA (SF)*	ACTUAL AREA (SF)	CODE
GROUP B	S1	92,000	11,028	IBC TABLE 506.2
CATEGORY 1-B	S1	40,000	603	NFPA 150 TABLE 7.2.2
CATEGORY 6-B	S1	64,000	5,142	NFPA 150 TABLE 7.2.2

* AREAS WITH AN OCCUPANCY CLASSIFICATION AND ANIMAL HOUSING CATEGORY MUST COMPLY WITH THE MOST STRINGENT CRITERIA.

A5. ALLOWABLE HEIGHT

OCCUPANCY / ANIMAL HOUSING CATEGORY	ALLOWABLE HEIGHT (FT / STORY)	CODE
ALL	75 / 4	IBC TABLE 504.3, 504.4 NFPA 150 7.2.1

A6. BUILDING SEPARATION (IBC TABLE 705.5)

OCCUPANCY	ELEVATION	RESTRICTIVE FIRE SEPARATION DISTANCE (FT)*	FIRE RESISTIVE RATING OF EXTERIOR WALL
GROUP B	NORTH / SOUTH / WEST / EAST	≥ 10	NO RATING

* IBC 202 - FIRE SEPARATION DISTANCE = DISTANCE FROM BUILDING'S FACE TO CLOSEST INTERIOR LOT LINE, CENTERLINE OF A STREET ALLEY OR PUBLIC WAY, OR IMAGINARY LINE BETWEEN TWO BUILDINGS.

A7. INCIDENTAL USE AND OTHER PASSIVE FIRE PROTECTION

AREA	REQUIRED RATING	CODE
CORRIDOR	NO RATING	NFPA 101 SECTION 38.3.6
SEPARATION OF CATEGORY 6-B AND CATEGORY 1-B	1 HR FIRE BARRIER	NFPA 150 TABLE 6.3.4.1
SEPARATION OF ANIMAL HOUSING FROM FACILITY	1 HR FIRE BARRIER	UFC 3-600-01 4-7.3

A8. OPENING PROTECTION FOR FIRE RESISTIVE CONSTRUCTION

COMPONENT	FIRE DOOR / SHUTTER ASSEMBLIES	FIRE DAMPERS	OTHER PENETRATIONS	CODE
1 HR FIRE BARRIER	3/4 HR	1-1/2 HR FIRE DAMPER ON AIR-TRANSFER OPENINGS	1 HR	NFPA 150 9.8.4, 9.8.5 AND NFPA 101 8.3.4.8

A9. OCCUPANT LOAD CALCULATIONS (NFPA 101 TABLE 7.3.1.2, UFC 3-600-01 TABLE 10-1)

FLOOR	AREA*	FUNCTION OF SPACE	AREA (SF)	OCCUPANT LOAD FACTOR (SF/PERSON)	OCCUPANTS
LEVEL 1	OFFICES, FOOD STORAGE, TOILETS, MOTHERS ROOM, MULTIPURPOSE HANDLER, VETERINARY TREATMENT, SURGERY, QUARANTINE, TACK ROOM, INDOOR KENNEL, OUTDOOR KENNEL, CIRCULATION	BUSINESS AREAS	9,424	150	63
LEVEL 1	MECHANICAL, ELECTRICAL, TELECOM	MECHANICAL, ELECTRICAL, AND OTHER BUILDING EQUIPMENT SPACES	623	500	2
LEVEL 1	LOCKER ROOM	LOCKER ROOMS	981	50	20
TOTAL			11,028		85

* CATEGORY 1-B AND 6-B ANIMAL HOUSING CATEGORIES ARE TREATED AS BUSINESS AREAS FOR THE PURPOSE OF OCCUPANT LOAD IN ACCORDANCE WITH NFPA 150 11.1.7 AND 16.1.7.

A10. OCCUPANT LOAD SUMMARY AND MINIMUM EXITS FROM FLOOR

FLOOR	GROSS AREA (SF)	OCCUPANTS	REQUIRED EXITS (NFPA 101 7.4.1.1)	REQUIRED EXIT SEPARATION (NFPA 101 7.5.1.3.3)
LEVEL 1	11,028	85	2	1/3 DIAGONAL

A11. MINIMUM EXITS OR EXIT ACCESSES FROM A SPACE OR AREA

OCCUPANCY	CONDITION PERMITTING ONE EXIT	CONDITION REQUIRING TWO OR MORE EXITS	CODE
BUSINESS	LESS THAN 100 FT TRAVEL DISTANCE, LESS THAN 100 OCCUPANTS, AND EXIT DISCHARGES DIRECTLY TO THE OUTSIDE	100 FT OR GREATER TRAVEL DISTANCE, 100 OCCUPANTS OR MORE, OR EXIT DOES NOT DISCHARGE DIRECTLY TO THE OUTSIDE	NFPA 101 38.2.4.3

A12. COMMON PATH, DEAD-END, AND TRAVEL DISTANCE LIMITS

OCCUPANCY / ANIMAL HOUSING CATEGORY	COMMON PATH LIMIT (FT) (NFPA 101 TABLE A.7.6)	DEAD END LIMIT (FT) (NFPA 101 TABLE A.7.6)	TRAVEL DISTANCE LIMIT (FT)*
CATEGORY 1-B, CATEGORY 6-B	100	50	100 (NFPA 150 8.7.1)
BUSINESS	100	50	300 (NFPA 101 TABLE A.7.6)

* AREAS WITH AN OCCUPANCY CLASSIFICATION AND ANIMAL HOUSING CATEGORY MUST COMPLY WITH THE MOST STRINGENT CRITERIA.

A13. MINIMUM EGRESS WIDTHS

COMPONENT	REQUIREMENT	WIDTH (IN)	CODE
DOORS IN EGRESS ACCESS	PER COMPONENT	32 OR ONE-AND-ONE-HALF TIMES THE LARGEST ANIMAL USING THE DOOR AND ANY ASSOCIATED EGRESS EQUIPMENT, WHICHEVER IS GREATER	NFPA 150 8.2.1.1
CORRIDOR SERVING LESS THAN 50 OCCUPANTS	MINIMUM	36	NFPA 101 7.3.4
OTHER EGRESS COMPONENTS	PER PERSON	0.2	NFPA 101 TABLE 7.3.3.1

A14. MINIMUM INTERIOR FINISH RATINGS

OCCUPANCY / ANIMAL HOUSING CATEGORY	EXITS*	EXIT ACCESS CORRIDORS*, **	OTHER SPACES	CODE
CATEGORY 1-B, CATEGORY 6-B	CLASS B	CLASS B	CLASS C	NFPA 150 10.1
BUSINESS	CLASS C	CLASS C	CLASS C	NFPA 101 TABLE A.10.2.2

* AREAS WITH AN OCCUPANCY CLASSIFICATION AND ANIMAL HOUSING CATEGORY MUST COMPLY WITH THE MOST STRINGENT CRITERIA.
** ALL AREAS USED FOR EGRESS FROM AN ANIMAL HOUSING CATEGORY MUST MEET THE MINIMUM EXIT ACCESS RATING FOR THE CATEGORY.

A15. FIRE SUPPRESSION REQUIREMENTS (UFC 3-600-01 4-7.1, 9-10, 9-17)

SPRINKLERS	STANDPIPE	FIRE EXTINGUISHERS
PROVIDED	NOT REQUIRED	PROVIDED

A16. FIRE ALARM REQUIREMENTS (UFC 3-600-01 9-18)

MANUAL INITIATION	AUTOMATIC INITIATION	OCCUPANT NOTIFICATION
PROVIDED	PROVIDED	PROVIDED

A17. FIRE EXTINGUISHER DISTRIBUTION (NFPA 10, NFPA 150 9.10)

OCCUPANCY / ANIMAL HOUSING CATEGORY	PRIMARY CLASSIFICATION OF FIRE AND HAZARD	MINIMUM RATING*	MAXIMUM FLOOR AREA PER A (SF)	MAX TRAVEL DISTANCE (FT)*
CATEGORY 1-B, CATEGORY 6-B	CLASS A:B:C - ORDINARY	2-A:10-B:C	1,500	50
BUSINESS	CLASS A:B:C - ORDINARY	2-A	1,500	75

* AREAS WITH AN OCCUPANCY CLASSIFICATION AND ANIMAL HOUSING CATEGORY MUST COMPLY WITH THE MOST STRINGENT CRITERIA.

A18. SMOKE MANAGEMENT SYSTEMS (UFC 3-600-01 7-5, 9-20)

SMOKE CONTROL SYSTEM	SMOKE AND HEAT VENTS	PASSIVE SMOKE MANAGEMENT
REQUIRED*	NOT REQUIRED	NOT REQUIRED

* REQUIRED BY DFPE IN ACCORDANCE WITH UFC 3-600-01 4-7.5.

A19. MINIMUM REQUIRED FIRE FLOW (UFC 3-600-01 SECTION 9-2.1, NFPA 1 TABLE 18.4.4.2.1)

FIRE FLOW AREA (SF)	TYPE OF CONSTRUCTION	MINIMUM FIRE FLOW (GPM)	FLOW DURATION (HR)
11,028	II (000)	1,000	2

FOR REFERENCE USE ONLY

GEORGIA REGISTERED No. PE044977 PROFESSIONAL 12/31/2026 ENGINEER JAMES J. DEW 01/20/2026

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MWD FACILITY - LIFE SAFETY NARRATIVE AND CODE ANALYSIS

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B1. APPLICABLE CODES AND STANDARDS

ABBREVIATIONS	TITLE	EDITION
IBC	INTERNATIONAL BUILDING CODE	2024
NFPA 1	FIRE CODE	2024
NFPA 10	STANDARD FOR PORTABLE FIRE EXTINGUISHERS	2026
NFPA 13	STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS	2025
NFPA 24	STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES	2025
NFPA 70	NATIONAL ELECTRICAL CODE	2026
NFPA 72	NATIONAL FIRE ALARM AND SIGNALING CODE	2025
NFPA 90A	STANDARD FOR THE INSTALLATION OF AIR-CONDITIONING AND VENTILATING SYSTEMS	2024
NFPA 101	LIFE SAFETY CODE	2024
NFPA 150	FIRE AND LIFE SAFETY IN ANIMAL HOUSING FACILITIES CODE	2025
NFPA 291	RECOMMENDED PRACTICE FOR FIRE FLOW TESTING AND MARKING OF HYDRANTS	2025
NFPA 1225	STANDARD FOR EMERGENCY SERVICE COMMUNICATIONS	2022
UFC 1-200-01	DOD BUILDING CODE	CHANGE 4, 2024
UFC 3-301-01	STRUCTURAL ENGINEERING	CHANGE 4, 2025
UFC 3-600-01	DESIGN: FIRE PROTECTION ENGINEERING FOR FACILITIES	CHANGE 6, 2021
UFC 4-010-01	DoD MINIMUM ANTITERRORISM STANDARDS FOR BUILDINGS	CHANGE 3, 2024
UFC 4-021-01	DESIGN AND O&M: MASS NOTIFICATION SYSTEMS	CHANGE 1, 2010
ECB 2018-17	NEW REQUIREMENTS FOR VISUAL NOTIFICATION FOR MASS NOTIFICATION SYSTEMS	REVISION 4, 2025

B2. TYPE OF CONSTRUCTION (IBC 601)

BUILDING ELEMENT	TYPE OF CONSTRUCTION	FIRE RESISTANCE RATING
PRIMARY STRUCTURAL FRAME	IIB	0 HR
BEARING EXTERIOR WALL	IIB	0 HR
BEARING INTERIOR WALL	IIB	0 HR
NON-BEARING EXTERIOR WALL	IIB	0 HR
NON-BEARING INTERIOR WALL	IIB	0 HR
ROOF CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS	IIB	0 HR

B3. CLASSIFICATION OF OCCUPANCY

AREAS	IBC OCCUPANCY	NFPA 101 OCCUPANCY	NFPA 150 ANIMAL HOUSING CATEGORY
BREAK AREA	BUSINESS, GROUP B (304.1)	BUSINESS (6.1.11)	CATEGORY 6-B (6.2.6.3)
STORAGE	STORAGE, GROUP S-1 (311.1)	STORAGE (6.1.13)	N/A

B4. OCCUPANCY SEPARATION

FLOOR / OCCUPANCY	SEPARATION	FLOOR / OCCUPANCY	SEPARATION RATING	IBC
LEVEL 1 / B	NONSEPARATED	LEVEL 1 / S-1	NOT REQUIRED	508.3.3

B5. ALLOWABLE AREA

OCCUPANCY / ANIMAL HOUSING CATEGORY	BUILDING FACTOR	ALLOWABLE AREA (SF)*	ACTUAL AREA (SF)	CODE
GROUP B	S1	92,000	2,200	IBC TABLE 506.2
GROUP S-1	S1	70,000	482	IBC TABLE 506.2
CATEGORY 6-B	S1	64,000	2,200	NFPA 150 TABLE 7.2.2

* AREAS WITH AN OCCUPANCY CLASSIFICATION AND ANIMAL HOUSING CATEGORY MUST COMPLY WITH THE MOST STRINGENT CRITERIA.

B6. ALLOWABLE HEIGHT

OCCUPANCY / ANIMAL HOUSING CATEGORY	ALLOWABLE HEIGHT (FT / STORY)	CODE
ALL	75 / 4	IBC TABLE 504.3, 504.4 NFPA 150 7.2.1

B7. BUILDING SEPARATION (IBC TABLE 705.5)

OCCUPANCY	ELEVATION	RESTRICTIVE FIRE SEPARATION DISTANCE (FT)*	FIRE RESISTIVE RATING OF EXTERIOR WALL
GROUP B, S-1	NORTH / SOUTH / WEST / EAST	≥ 10	NO RATING

* IBC 202 - FIRE SEPARATION DISTANCE = DISTANCE FROM BUILDING'S FACE TO CLOSEST INTERIOR LOT LINE, CENTERLINE OF A STREET ALLEY OR PUBLIC WAY, OR IMAGINARY LINE BETWEEN TWO BUILDINGS.

B8. OCCUPANT LOAD CALCULATIONS (NFPA 101 TABLE 7.3.1.2, UFC 3-600-01 TABLE 10-1)

FLOOR	AREA*	FUNCTION OF SPACE	AREA (SF)	OCCUPANT LOAD FACTOR (SF/PERSON)	OCCUPANTS
LEVEL 1	BREAK AREA	BUSINESS AREA	2,200	150	15
LEVEL 1	STORAGE	MECHANICAL, ELECTRICAL, AND OTHER BUILDING EQUIPMENT AREAS	482	500	1
TOTAL			2,682		16

* CATEGORY 6-B ANIMAL HOUSING CATEGORY IS TREATED AS A BUSINESS AREA FOR THE PURPOSE OF OCCUPANT LOAD IN ACCORDANCE WITH NFPA 150 16.1.7.

B9. OCCUPANT LOAD SUMMARY AND MINIMUM EXITS FROM FLOOR

FLOOR	GROSS AREA (SF)	OCCUPANTS	REQUIRED EXITS (NFPA 101 7.4.1.1)	REQUIRED EXIT SEPARATION
LEVEL 1	2,682	16	1	N/A

B10. MINIMUM EXITS OR EXIT ACCESSES FROM A SPACE OR AREA

OCCUPANCY	CONDITION PERMITTING ONE EXIT	CONDITION REQUIRING TWO OR MORE EXITS	CODE
BUSINESS	LESS THAN 100 FT TRAVEL DISTANCE, LESS THAN 100 OCCUPANTS, AND EXIT DISCHARGES DIRECTLY TO THE OUTSIDE	100 FT OR GREATER TRAVEL DISTANCE, 100 OCCUPANTS OR MORE, OR EXIT DOES NOT DISCHARGE DIRECTLY TO THE OUTSIDE	NFPA 101 38.2.4.3
STORAGE	LESS THAN 100 FT TRAVEL DISTANCE	100 FT OR GREATER TRAVEL DISTANCE	NFPA 101 42.2.4.1

B11. COMMON PATH, DEAD-END, AND TRAVEL DISTANCE LIMITS

OCCUPANCY / ANIMAL HOUSING CATEGORY	COMMON PATH LIMIT (FT) (NFPA 101 TABLE A.7.6)	DEAD END LIMIT (FT) (NFPA 101 TABLE A.7.6)	TRAVEL DISTANCE LIMIT (FT)
CATEGORY 6-B	100	50	100 (NFPA 150 8.7.1)
STORAGE	100	100	400 (NFPA 101 TABLE A.7.6)

B12. MINIMUM EGRESS WIDTHS

COMPONENT	REQUIREMENT	WIDTH (IN)	CODE
DOORS IN EGRESS ACCESS	PER COMPONENT	32 OR ONE-AND-ONE-HALF TIMES THE LARGEST ANIMAL USING THE DOOR AND ANY ASSOCIATED EGRESS EQUIPMENT, WHICHEVER IS GREATER	NFPA 150 8.2.1.1
OTHER EGRESS COMPONENTS	PER PERSON	0.2	NFPA 101 TABLE 7.3.3.1

B13. MINIMUM INTERIOR FINISH RATINGS

OCCUPANCY / ANIMAL HOUSING CATEGORY	EXITS	EXIT ACCESS CORRIDORS	OTHER SPACES	CODE
CATEGORY 6-B	CLASS B	CLASS B	CLASS C	NFPA 150 10.1
STORAGE	CLASS C	CLASS C	CLASS C	NFPA 101 TABLE A.10.2.2

B14. FIRE SUPPRESSION REQUIREMENTS (UFC 3-600-01 4-7.1, 9-10, 9-17)

SPRINKLERS	STANDPIPE	FIRE EXTINGUISHERS
PROVIDED	NOT REQUIRED	PROVIDED

B15. FIRE ALARM REQUIREMENTS (UFC 3-600-01 9-18)

MANUAL INITIATION	AUTOMATIC INITIATION	OCCUPANT NOTIFICATION
PROVIDED*	PROVIDED	PROVIDED

* ONE PULL STATION WILL BE PROVIDED IN THE STORAGE AREA AND NO PULL STATIONS WILL BE PROVIDED IN THE BREAK AREA.

B16. FIRE EXTINGUISHER DISTRIBUTION (NFPA 10, NFPA 150 9.10)

OCCUPANCY	PRIMARY CLASSIFICATION OF FIRE AND HAZARD	MINIMUM RATING	MAXIMUM FLOOR AREA PER A (SF)	MAX TRAVEL DISTANCE (FT)
CATEGORY 6-B	CLASS A:B:C - ORDINARY	2-A:10-B:C	1,500	50
STORAGE	CLASS A:B:C - ORDINARY	2-A	1,500	75

B17. SMOKE MANAGEMENT SYSTEMS (UFC 3-600-01 7-5, 9-20)

SMOKE CONTROL SYSTEM	SMOKE AND HEAT VENTS	PASSIVE SMOKE MANAGEMENT
NOT REQUIRED	NOT REQUIRED	NOT REQUIRED

B18. MINIMUM REQUIRED FIRE FLOW (UFC 3-600-01 SECTION 9-2.1, NFPA 1 TABLE 18.4.4.2.1)

FIRE FLOW AREA (SF)	TYPE OF CONSTRUCTION	MINIMUM FIRE FLOW (GPM)	FLOW DURATION (HR)
2,682	II (000)	1,000	2

FOR REFERENCE USE ONLY

GEORGIA REGISTERED No. PE044077 PROFESSIONAL 12/31/2026 ENGINEER JAMES J. DEW 01/20/2026

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

DESIGN BY: C. SEVERSON
DRAWN BY: J. WUCHKO
CHECKED BY: T. JANSEN
SUBMITTED BY: V. V. KEDIKOSE
SIZE: ANSI D
ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-01
FILE NAME: 189818_143139_F_Central

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

MWD BREAK AREA & MWD STORAGE - LIFE SAFETY NARRATIVE AND CODE ANALYSIS

SHEET ID
GI002

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LEGEND

EGRESS PATH

CP:25' 50' — CP — EGRESS PATH

- CP:25' 50' — TRAVEL DISTANCE
- COMMON PATH OF TRAVEL
- CP — COMMON PATH TERMINATION POINT
- EGRESS PATH — EXIT DOOR

EXIT EGRESS SIGNS

EXIT SIGNS, CEILING: ARROW INDICATES EGRESS

EXIT SIGNS, WALL: ARROW INDICATES EGRESS

DEAD END CORRIDOR

10' — TERMINATION OF DEAD END CORRIDOR

DEAD END DISTANCE

DOOR EGRESS TAG

- 78 — OCCUPANTS SERVED
- 180 — EXIT CAPACITY
- 32" — REQUIRED WIDTH
- 36" — PROVIDED WIDTH

FIRE RESISTIVE CONSTRUCTION

1 HR FIRE BARRIER

PORTABLE FIRE EXTINGUISHERS

FE:SR — EXTINGUISHER TYPE; EXTINGUISHER MOUNTING

- FE: FIRE EXTINGUISHER
- SR: SEMI-RECESSED CABINET
- BR: BRACKET MOUNTED

A:B:C: TYPE DRY CHEMICAL 4A-20B:C

GENERAL NOTES

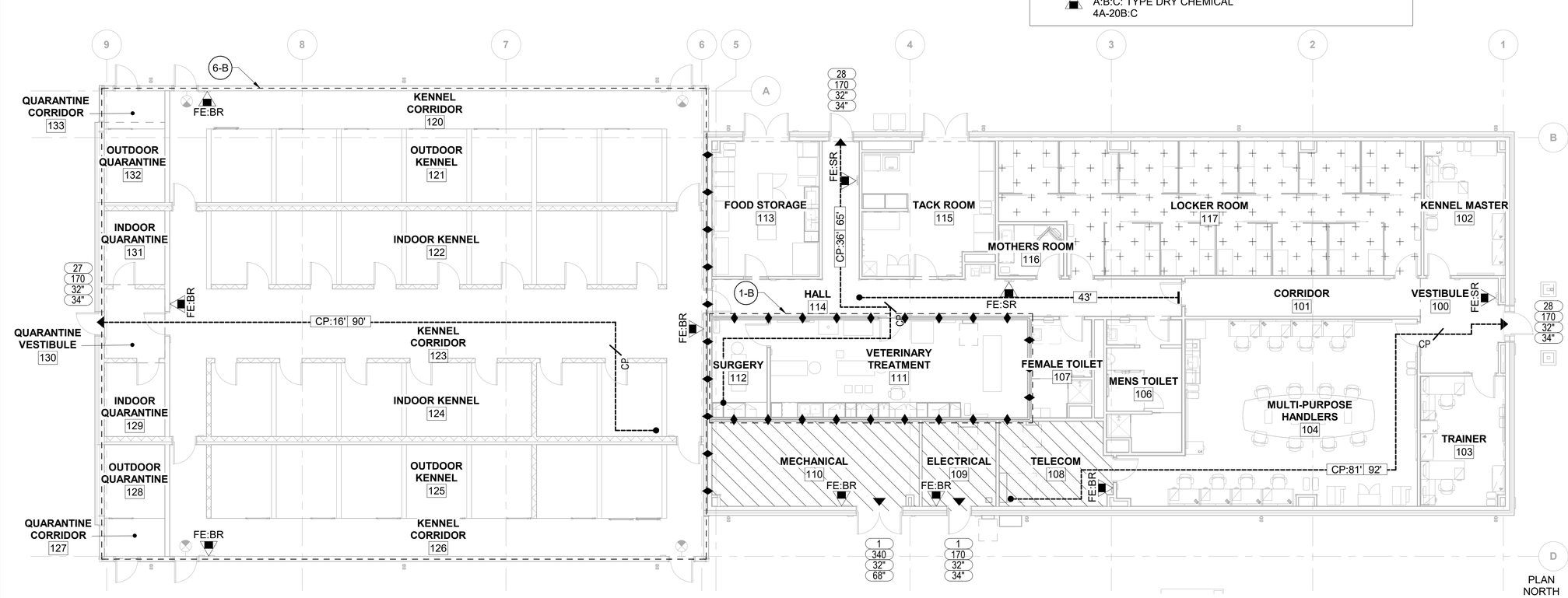
1. REFER TO GI001 FOR GENERAL NOTES, AND DESIGN CRITERIA
2. REFER TO THE ELECTRICAL LIGHTING PLANS FOR LOCATION OF EXIT SIGNS AND EMERGENCY LIGHTING.
3. REFER TO THE FIRE SUPPRESSION AND ALARM PLANS FOR LOCATION OF FIRE PROTECTION DEVICES.
4. FINAL LOCATIONS OF FIRE EXTINGUISHERS SHALL BE APPROVED BY THE DFPE PRIOR TO INSTALLATION.

OCCUPANT LOAD LEGEND

	LOCKER ROOMS
	BUSINESS AREAS
	MECHANICAL, ELECTRICAL, AND OTHER BUILDING EQUIPMENT SPACES

ANIMAL HOUSING CATEGORY

- 1-B — CATEGORY 1-B
- 6-B — CATEGORY 6-B



A1 MWD FACILITY - LIFE SAFETY PLAN

SCALE: 1/8" = 1'-0"

FOR REFERENCE USE ONLY

GEORGIA REGISTERED No. PE044977 PROFESSIONAL 12/31/2026 ENGINEER JAMES J. DEW 01/20/2026

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

DESIGN BY: C. SEVERSON
DRAWN BY: J. WUCHKO
CHECKED BY: T. JANSEN
SUBMITTED BY: V. RECKLEY
SIZE: ANSI D
FILE NAME: 189618_143139_F_Central
CATEGORY CODE: 141-001-01
ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
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SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

MWD FACILITY - LIFE SAFETY PLAN

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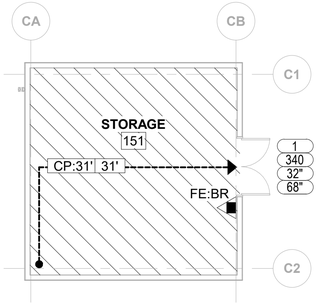

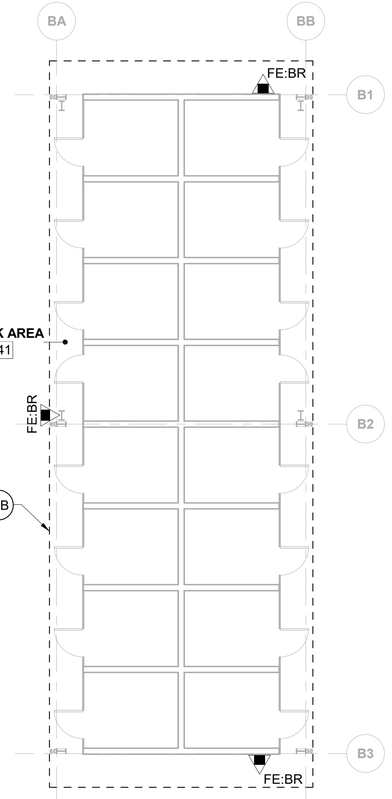

A6 MWD BREAK AREA AND STORAGE - LIFE SAFETY PLAN
SCALE: 1/8" = 1'-0"
0 4' 8' 16'

PLAN NORTH

GENERAL NOTES

1. REFER TO GI002 FOR GENERAL NOTES, AND DESIGN CRITERIA
2. REFER TO THE ELECTRICAL LIGHTING PLANS FOR LOCATION OF EXIT SIGNS AND EMERGENCY LIGHTING.
3. REFER TO THE FIRE SUPPRESSION AND ALARM PLANS FOR LOCATION OF FIRE PROTECTION DEVICES.
4. FINAL LOCATIONS OF FIRE EXTINGUISHERS SHALL BE APPROVED BY THE DFPE PRIOR TO INSTALLATION.

LEGEND

OCCUPANT LOAD LEGEND

	BUSINESS AREAS
	MECHANICAL, ELECTRICAL, AND OTHER BUILDING EQUIPMENT SPACES

EGRESS PATH

CP:25' 50' — CP — EGRESS PATH

- TRAVEL DISTANCE
- COMMON PATH OF TRAVEL
- COMMON PATH TERMINATION POINT
- EXIT DOOR

DOOR EGRESS TAG

- 78 — OCCUPANTS SERVED
- 180 — EXIT CAPACITY
- 32" — REQUIRED WIDTH
- 36" — PROVIDED WIDTH

PORTABLE FIRE EXTINGUISHERS

FE:SR

- EXTINGUISHER TYPE
- EXTINGUISHER MOUNTING

- FE: FIRE EXTINGUISHER
- BR: BRACKET MOUNTED

A:B:C: TYPE DRY CHEMICAL 4A-20B:C

ANIMAL HOUSING CATEGORY

6-B CATEGORY 6-B

FOR REFERENCE USE ONLY

GEORGIA REGISTERED No. PE044977 PROFESSIONAL 12/31/2026 ENGINEER JAMES J. DEW 01/20/2026

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

DESIGN BY: C. SEVERSON
DRAWN BY: J. WUCHKO
CHECKED BY: T. JANSEN
SUBMITTED BY: J. VEDDER AS
SIZE: ANSI D
ISSUE DATE: JANUARY 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-01
FILE NAME: 189818_143139_F_Central

U.S. ARMY CORPS OF ENGINEERS
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MWD BREAK AREA AND STORAGE - LIFE SAFETY PLAN

SHEET ID
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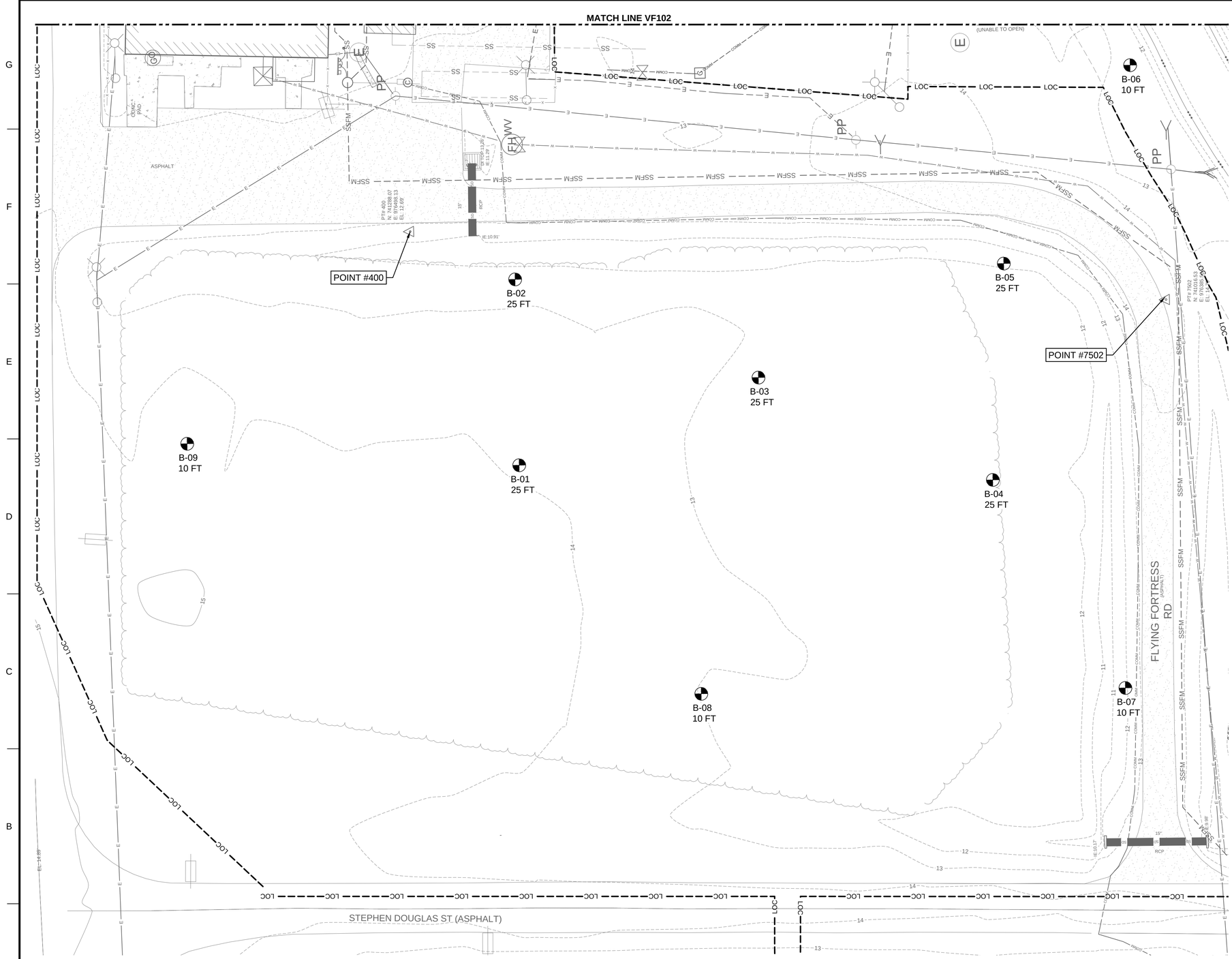

A1 EXISTING CONDITIONS PLAN - 1

SCALE 1" = 20'

0 10' 20' 40'

TRUE NORTH

GENERAL NOTES

1. SEE EXISTING CONDITIONS NOTES ON GC002.
2. DIMENSIONS ARE IN US SURVEY FEET UNLESS OTHERWISE NOTED.
3. COORDINATES ARE EXPRESSED IN MODIFIED GROUND COORDINATES. HORIZONTAL DATUM SHOWN IS BASED ON THE NORTH AMERICAN DATUM OF 1983 (NAD 83 GEORGIA EAST).
4. VERTICAL DATUM SHOWN IS NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
5. BORING LOCATIONS SHOWN ARE BASED ON THE SUBSURFACE EXPLORATION AND GEOTECHNICAL ENGINEERING REPORT PERFORMED BY SOIL SECTION - GEOTECHNICAL & HTRW BRANCH OF US. ARMY ENGINEER DISTRICT, SAVANNAH IN FEBRUARY 2020.
6. B-XX = SOIL BORING LOCATION.
7. SEE SHEET B-001 FOR BORING LOGS.

LEGEND

BORING LOCATION

CONTROL POINT

CONTROL POINT TABLE

POINT #	NORTHING	EASTING	ELEVATION
400	741288.07	976498.13	12.69'
800*	741326.49	976941.45	13.68'
801*	741510.61	976312.12	14.89'
4001	741206.90	976680.28	14.08'
4002	741222.88	976738.37	14.04'
7500	741347.88	976700.61	13.81'
7501*	740839.12	976545.79	14.43'
7502	741016.53	976385.50	14.79'
7503*	740873.36	976748.22	15.90'

*CONTROL POINTS OUTSIDE THE NEW THE PROJECT FOOTPRINT ARE NOT SHOWN ON VF-101 AND VF-102

GEORGIA
JASON T. SHEPHERD
NO. 36672
PROFESSIONAL ENGINEER
1/21/2026

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: J. SHEPHERD
DRAWN BY: B. TSUI
CHECKED BY: M. PAREDES
SUBMITTED BY: J. SHEPHERD
SIZE: ANSI D
ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE 141-26
FILENAME: 121450_VF100.dwg

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EXISTING CONDITIONS PLAN - 1

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GENERAL NOTES

1. SEE EXISTING CONDITIONS NOTES ON GC002.
2. DIMENSIONS ARE IN US SURVEY FEET UNLESS OTHERWISE NOTED.
3. COORDINATES ARE EXPRESSED IN MODIFIED GROUND COORDINATES. HORIZONTAL DATUM SHOWN IS BASED ON THE NORTH AMERICAN DATUM OF 1983 (NAD 83 GEORGIA EAST).
4. VERTICAL DATUM SHOWN IS NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
5. SEE SHEET VF-101 FOR CONTROL POINTS TABLE.

LEGEND

◁ CONTROL POINT

SPRINGFIELD CANAL

POINT #4002

POINT #4001

POINT #7500

BREAK KENNELS

BREAK KENNEL

BUILDING 1030
HEIGHT:33.23'
1 STORY CONC SLAB
BLOCK

25' STATE STREAM BUFFER

7' CHAIN LINK / 1' BARB WIRE

MATCH LINE VF101

A1 EXISTING CONDITIONS PLAN - 2

SCALE 1" = 20'

0 10' 20' 40'

TRUE NORTH

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MARK	DESCRIPTION	DATE

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DRAWN BY: B. TSUI
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SUBMITTED BY: J. SHEPHERD
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U.S. ARMY CORPS OF ENGINEERS
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SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

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SOF MILITARY WORKING DOG KENNEL
FY25, PN: 69262

EXISTING CONDITIONS PLAN - 2

SHEET ID
VF102

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GEORGIA
JASON T. SHEPHERD
NO. 38672
PROFESSIONAL ENGINEER
1/21/2026

GENERAL NOTES

1. BORING LOGS ARE BASED ON THE SUBSURFACE EXPLORATION AND GEOTECHNICAL ENGINEERING REPORT PERFORMED BY SOIL SECTION - GEOTECHNICAL & HTRW BRANCH OF US. ARMY ENGINEER DISTRICT, SAVANNAH IN FEBRUARY 2020.
2. SEE SHEET VF-101 FOR BORING LOCATIONS.

Boring Designation B-01

DRILLING LOG — Division: South Atlantic Division — Installation: Hunter AAF — Sheet 1 of 1 Sheets

1. Project: SOF Military Working Dog Kennel
2. Hole Number: B-01 — Location Coordinates:
3. Drilling Agency: U.S. Army Corps of Engineers - Savannah District
4. Name of Driller: Edward Ratliff
5. Direction of Boring: ☑ Vertical ☐ Included — Deg From Vertical: --- — Bearing:
6. Thickness of Overburden: >25'
7. Depth Drilled into Rock: 0'
8. Total Depth of Boring: 25'
8. Coordinate System: State Plane - Georgia East — Horizontal: NAD83 — Vertical: NAVD88
10. Size and Type of Bit: 3.25 HSA
11. Manufacturer's Designation of Drill: Geoprobe 7822DT
12. Total Samples: Disturbed 9 — Undisturbed 0
13. Total Number Core Boxes: 0
14. Depth Ground Water: See Remarks
15. Date Boring: Started --- — Completed 4/27/20
16. Elevation Top of Boring: 14.0-ft
17. Total Core Recovery for Boring: N/A
18. Signature and Title of Inspector: Jose Santiago, Geologist

Elev	Depth	Graph	Field Classification of Materials (Description)	Rec	Sample No.	Blows per 6 in	N-Value
			SANDY LEAN CLAY (CL), fine; dark brown, moist, trace organics.	80	S-1	2 4	5
8.9	5.1		POORLY GRADED SAND (SP), fine; gray to light gray, moist.	100	S-2	3 3	6
			Wet.	93	S-3	2 2	4
				93	S-4	5 7	12
			Trace fine clayey sand strata or lenses.	100	S-5	5 6	11
				73	S-6	11 14	25
				100	S-7	5 7	12
				93	S-8	4 6	10
-11.0	25.0		Fine to medium.	100	S-9	7 10	17

BOTTOM OF BOREHOLE AT 25.0 ft

Topsoil thickness estimated to be approximately 3 inches.

Notes:
1. Soils visually field classified in accordance with the Unified Soil Classification System.
2. N-Value: Total blows over last 1.0 foot of 1.5-ft driven interval, using a 1-3/8 inch ID split-spoon with 140-lb hammer falling 30-inches.
3. Hollow-stem augers were utilized without benefit of drilling fluids.

Water Level Data

Reading	Depth	Notes
After drilling	8-ft	4/27/2020

SAS FORM 1836-A FEB 08 — Boring Designation B-01 — SHEET 1 of 1

Boring Designation B-02

DRILLING LOG — Division: South Atlantic Division — Installation: Hunter AAF — Sheet 1 of 1 Sheets

1. Project: SOF Military Working Dog Kennel
2. Hole Number: B-02 — Location Coordinates:
3. Drilling Agency: U.S. Army Corps of Engineers - Savannah District
4. Name of Driller: Edward Ratliff
5. Direction of Boring: ☑ Vertical ☐ Included — Deg From Vertical: --- — Bearing:
6. Thickness of Overburden: >25'
7. Depth Drilled into Rock: 0'
8. Total Depth of Boring: 25'
8. Coordinate System: State Plane - Georgia East — Horizontal: NAD83 — Vertical: NAVD88
10. Size and Type of Bit: 3.25 HSA
11. Manufacturer's Designation of Drill: Geoprobe 7822DT
12. Total Samples: Disturbed 8 — Undisturbed 0
13. Total Number Core Boxes: 0
14. Depth Ground Water: See Remarks
15. Date Boring: Started 4/28/20 — Completed 4/28/20
16. Elevation Top of Boring: 13.0-ft
17. Total Core Recovery for Boring: N/A
18. Signature and Title of Inspector: Jose Santiago, Geologist

Elev	Depth	Graph	Field Classification of Materials (Description)	Rec	Sample No.	Blows per 6 in	N-Value
			SANDY LEAN CLAY (CL), fine; dark brown, moist, trace organics.	80	S-1	1 2	3
8.7	4.3			100	S-2	2 3	5
			POORLY GRADED SAND (SP), fine to medium; light gray.	100	S-3	1 1	2
			Wet.	40	S-4	2 3	5
				80	S-5	5 6	11
				87	S-7	3 4	7
			Medium to coarse; clay strata or lenses.	73	S-8	3 4	7
-12.0	25.0			100	S-9	3 3	6

BOTTOM OF BOREHOLE AT 25.0 ft

Topsoil thickness estimated to be approximately 3 inches.

Notes:
1. Soils visually field classified in accordance with the Unified Soil Classification System.
2. N-Value: Total blows over last 1.0 foot of 1.5-ft driven interval, using a 1-3/8 inch ID split-spoon with 140-lb hammer falling 30-inches.
3. Hollow-stem augers were utilized without benefit of drilling fluids.

Water Level Data

Reading	Depth	Notes
After drilling	3.8-ft	4/28/2020

SAS FORM 1836-A FEB 08 — Boring Designation B-02 — SHEET 1 of 1

Boring Designation B-03

DRILLING LOG — Division: South Atlantic Division — Installation: Hunter AAF — Sheet 1 of 1 Sheets

1. Project: SOF Military Working Dog Kennel
2. Hole Number: B-03 — Location Coordinates:
3. Drilling Agency: U.S. Army Corps of Engineers - Savannah District
4. Name of Driller: Edward Ratliff
5. Direction of Boring: ☑ Vertical ☐ Included — Deg From Vertical: --- — Bearing:
6. Thickness of Overburden: >25'
7. Depth Drilled into Rock: 0'
8. Total Depth of Boring: 25'
8. Coordinate System: State Plane - Georgia East — Horizontal: NAD83 — Vertical: NAVD88
10. Size and Type of Bit: 3.25 HSA
11. Manufacturer's Designation of Drill: Geoprobe 7822DT
12. Total Samples: Disturbed 8 — Undisturbed 0
13. Total Number Core Boxes: 0
14. Depth Ground Water: See Remarks
15. Date Boring: Started 4/28/20 — Completed 4/28/20
16. Elevation Top of Boring: 13.0-ft
17. Total Core Recovery for Boring: N/A
18. Signature and Title of Inspector: Jose Santiago, Geologist

Elev	Depth	Graph	Field Classification of Materials (Description)	Rec	Sample No.	Blows per 6 in	N-Value
			SANDY LEAN CLAY (CL), fine; dark brown, moist, trace organics.	87	S-1	1 2	3
			Moist.	73	S-2	4 5	9
				100	S-3	1 1	2
6.1	6.9		POORLY GRADED SAND (SP), fine to medium; light gray.	100	S-4	5 5	10
			Wet.	80	S-6	4 5	9
			CLAYEY, fine clayey sand strata or lenses.	73	S-7	2 2	4
				100	S-8	3 4	7
-12.0	25.0		Medium to coarse.	100	S-9	5 6	11

BOTTOM OF BOREHOLE AT 25.0 ft

Topsoil thickness estimated to be approximately 3 inches.

Notes:
1. Soils visually field classified in accordance with the Unified Soil Classification System.
2. N-Value: Total blows over last 1.0 foot of 1.5-ft driven interval, using a 1-3/8 inch ID split-spoon with 140-lb hammer falling 30-inches.
3. Hollow-stem augers were utilized without benefit of drilling fluids.

Water Level Data

Reading	Depth	Notes
After drilling	3.25-ft	4/28/2020

SAS FORM 1836-A FEB 08 — Boring Designation B-03 — SHEET 1 of 1

Boring Designation B-04

DRILLING LOG — Division: South Atlantic Division — Installation: Hunter AAF — Sheet 1 of 1 Sheets

1. Project: SOF Military Working Dog Kennel
2. Hole Number: B-04 — Location Coordinates:
3. Drilling Agency: U.S. Army Corps of Engineers - Savannah District
4. Name of Driller: Edward Ratliff
5. Direction of Boring: ☑ Vertical ☐ Included — Deg From Vertical: --- — Bearing:
6. Thickness of Overburden: >30'
7. Depth Drilled into Rock: 0'
8. Total Depth of Boring: 30'
8. Coordinate System: State Plane - Georgia East — Horizontal: NAD83 — Vertical: NAVD88
10. Size and Type of Bit: 3.25 HSA
11. Manufacturer's Designation of Drill: Geoprobe 7822DT
12. Total Samples: Disturbed 9 — Undisturbed 0
13. Total Number Core Boxes: 0
14. Depth Ground Water: Not Measured
15. Date Boring: Started 4/27/20 — Completed 4/27/20
16. Elevation Top of Boring: 12.0-ft
17. Total Core Recovery for Boring: N/A
18. Signature and Title of Inspector: Jose Santiago, Geologist

Elev	Depth	Graph	Field Classification of Materials (Description)	Rec	Sample No.	Blows per 6 in	N-Value
			SANDY LEAN CLAY (CL), fine; dark brown, moist, trace organics.	100	S-1	1 1	2
3.3	8.7			100	S-2	2 2	3
				87	S-3	2 3	5
			POORLY GRADED SAND (SP), fine to medium; gray, wet, trace silt.	20	S-4	WOH	0
				93	S-5	1 2	3
				87	S-6	2 3	5
			Fine to coarse; trace fine clayey sand strata or lenses.	87	S-7	1 1	2
				100	S-8	1 1	2
-18.0	30.0			87	S-9	7 9	16

BOTTOM OF BOREHOLE AT 30.0 ft

Topsoil thickness estimated to be approximately 3 inches.

Weight of Hammer (WOH)

Notes:
1. Soils visually field classified in accordance with the Unified Soil Classification System.
2. N-Value: Total blows over last 1.0 foot of 1.5-ft driven interval, using a 1-3/8 inch ID split-spoon with 140-lb hammer falling 30-inches.
3. Hollow-stem augers were utilized without benefit of drilling fluids.

Water Level Data

Reading	Depth	Notes

SAS FORM 1836-A FEB 08 — Boring Designation B-04 — SHEET 1 of 1

Boring Designation B-05

DRILLING LOG — Division: South Atlantic Division — Installation: Hunter AAF — Sheet 1 of 1 Sheets

1. Project: SOF Military Working Dog Kennel
2. Hole Number: B-05 — Location Coordinates:
3. Drilling Agency: U.S. Army Corps of Engineers - Savannah District
4. Name of Driller: Edward Ratliff
5. Direction of Boring: ☑ Vertical ☐ Included — Deg From Vertical: --- — Bearing:
6. Thickness of Overburden: >25'
7. Depth Drilled into Rock: 0'
8. Total Depth of Boring: 25'
8. Coordinate System: State Plane - Georgia East — Horizontal: NAD83 — Vertical: NAVD88
10. Size and Type of Bit: 3.25 HSA
11. Manufacturer's Designation of Drill: Geoprobe 7822DT
12. Total Samples: Disturbed 8 — Undisturbed 0
13. Total Number Core Boxes: 0
14. Depth Ground Water: See Remarks
15. Date Boring: Started 4/28/20 — Completed 4/28/20
16. Elevation Top of Boring: 12.0-ft
17. Total Core Recovery for Boring: N/A
18. Signature and Title of Inspector: Jose Santiago, Geologist

Elev	Depth	Graph	Field Classification of Materials (Description)	Rec	Sample No.	Blows per 6 in	N-Value
			SANDY LEAN CLAY (CL), fine; dark brown, moist, trace organics.	73	S-1	1 1	2
7.8	4.2			80	S-2	1 2	3
			POORLY GRADED SAND (SP), fine to medium; light gray, moist.	80	S-3	3 5	8
			Wet, trace clay.	80	S-5	1 2	3
				40	S-6	0 1	1
				100	S-7	1 2	3
			(SC), fine to coarse; trace clay.	100	S-8	3 4	7
-12.0	24.0		SANDY CLAY; dark gray.	93	S-9	2 2	4

BOTTOM OF BOREHOLE AT 25.0 ft

Topsoil thickness estimated to be approximately 3 inches.

Notes:
1. Soils visually field classified in accordance with the Unified Soil Classification System.
2. N-Value: Total blows over last 1.0 foot of 1.5-ft driven interval, using a 1-3/8 inch ID split-spoon with 140-lb hammer falling 30-inches.
3. Hollow-stem augers were utilized without benefit of drilling fluids.

Water Level Data

Reading	Depth	Notes
After drilling	4.1-ft	4/28/2020

SAS FORM 1836-A FEB 08 — Boring Designation B-05 — SHEET 1 of 1

Boring Designation B-06

DRILLING LOG — Division: South Atlantic Division — Installation: Hunter AAF — Sheet 1 of 1 Sheets

1. Project: SOF Military Working Dog Kennel
2. Hole Number: B-06 — Location Coordinates:
3. Drilling Agency: U.S. Army Corps of Engineers - Savannah District
4. Name of Driller: Edward Ratliff
5. Direction of Boring: ☑ Vertical ☐ Included — Deg From Vertical: --- — Bearing:
6. Thickness of Overburden: >10'
7. Depth Drilled into Rock: 0'
8. Total Depth of Boring: 10'
8. Coordinate System: State Plane - Georgia East — Horizontal: NAD83 — Vertical: NAVD88
10. Size and Type of Bit: 3.25 HSA
11. Manufacturer's Designation of Drill: Geoprobe 7822DT
12. Total Samples: Disturbed 5 — Undisturbed 0
13. Total Number Core Boxes: 0
14. Depth Ground Water: See Remarks
15. Date Boring: Started 4/28/20 — Completed 4/28/20
16. Elevation Top of Boring: 13.0-ft
17. Total Core Recovery for Boring: N/A
18. Signature and Title of Inspector: Jose Santiago, Geologist

Elev	Depth	Graph	Field Classification of Materials (Description)	Rec	Sample No.	Blows per 6 in	N-Value
			SANDY LEAN CLAY (CL), fine; dark brown, moist, trace organics.	80	S-1	2 2	4
8.6	4.2			100	S-2	1 1	2
			POORLY GRADED SAND (SP), fine to medium; light gray, wet.	93	S-3	2 2	4
				60	S-5	6 7	13
3.0	10.0		Dark brown, fine clayey sand strata or lenses.	60	S-6	2 2	4

BOTTOM OF BOREHOLE AT 10.0 ft

Topsoil thickness estimated to be approximately 3 inches.

Notes:
1. Soils visually field classified in accordance with the Unified Soil Classification System.
2. N-Value: Total blows over last 1.0 foot of 1.5-ft driven interval, using a 1-3/8 inch ID split-spoon with 140-lb hammer falling 30-inches.
3. Hollow-stem augers were utilized without benefit of drilling fluids.

Water Level Data

Reading	Depth	Notes
After drilling	4.6-ft	4/28/2020

SAS FORM 1836-A FEB 08 — Boring Designation B-06 — SHEET 1 of 1

Boring Designation B-07

DRILLING LOG — Division: South Atlantic Division — Installation: Hunter AAF — Sheet 1 of 1 Sheets

1. Project: SOF Military Working Dog Kennel
2. Hole Number: B-07 — Location Coordinates:
3. Drilling Agency: U.S. Army Corps of Engineers - Savannah District
4. Name of Driller: Edward Ratliff
5. Direction of Boring: ☑ Vertical ☐ Included — Deg From Vertical: --- — Bearing:
6. Thickness of Overburden: >10'
7. Depth Drilled into Rock: 0'
8. Total Depth of Boring: 10'
8. Coordinate System: State Plane - Georgia East — Horizontal: NAD83 — Vertical: NAVD88
10. Size and Type of Bit: 3.25 HSA
11. Manufacturer's Designation of Drill: Geoprobe 7822DT
12. Total Samples: Disturbed 5 — Undisturbed 0
13. Total Number Core Boxes: 0
14. Depth Ground Water: Not Measured
15. Date Boring: Started 4/27/20 — Completed 4/27/20
16. Elevation Top of Boring: 11.0-ft
17. Total Core Recovery for Boring: N/A
18. Signature and Title of Inspector: Jose Santiago, Geologist

Elev	Depth	Graph	Field Classification of Materials (Description)	Rec	Sample No.	Blows per 6 in	N-Value
			SANDY LEAN CLAY (CL), fine; dark brown, moist, trace organics.	73	S-1	WOH	0
4.1	6.9			100	S-2	0 1	1
				53	S-3	5 7	12
			Wet, mottled.	100	S-4	9 11	20
			POORLY GRADED SAND (SP), fine to medium; light gray, trace clay.	87	S-6	3 4	7
1.0	10.0						

BOTTOM OF BOREHOLE AT 10.0 ft

Weight of Hammer (WOH)

Topsoil thickness estimated to be approximately 3 inches.

Notes:
1. Soils visually field classified in accordance with the Unified Soil Classification System.
2. N-Value: Total blows over last 1.0 foot of 1.5-ft driven interval, using a 1-3/8 inch ID split-spoon with 140-lb hammer falling 30-inches.
3. Hollow-stem augers were utilized without benefit of drilling fluids.

Water Level Data

Reading	Depth	Notes

SAS FORM 1836-A FEB 08 — Boring Designation B-07 — SHEET 1 of 1

Boring Designation B-08

DRILLING LOG — Division: South Atlantic Division — Installation: Hunter AAF — Sheet 1 of 1 Sheets

1. Project: SOF Military Working Dog Kennel
2. Hole Number: B-08 — Location Coordinates:
3. Drilling Agency: U.S. Army Corps of Engineers - Savannah District
4. Name of Driller: Edward Ratliff
5. Direction of Boring: ☑ Vertical ☐ Included — Deg From Vertical: --- — Bearing:
6. Thickness of Overburden: >10'
7. Depth Drilled into Rock: 0'
8. Total Depth of Boring: 10'
8. Coordinate System: State Plane - Georgia East — Horizontal: NAD83 — Vertical: NAVD88
10. Size and Type of Bit: 3.25 HSA
11. Manufacturer's Designation of Drill: Geoprobe 7822DT
12. Total Samples: Disturbed 5 — Undisturbed 0
13. Total Number Core Boxes: 0
14. Depth Ground Water: See Remarks
15. Date Boring: Started 4/27/20 — Completed 4/27/20
16. Elevation Top of Boring: 13.0-ft
17. Total Core Recovery for Boring: N/A
18. Signature and Title of Inspector: Jose Santiago, Geologist

Elev	Depth	Graph	Field Classification of Materials (Description)	Rec	Sample No.	Blows per 6 in	N-Value
			SANDY LEAN CLAY (CL), fine; dark brown, moist, trace organics.	93	S-1	2 3	5
9.2	3.8			87	S-2	3 4	7
			POORLY GRADED SAND (SP), medium; light gray to gray, moist, trace clay.	93	S-3	5 6	11
			Wet.	93	S-4	9 11	20
3.0	10.0			93	S-5	4 5	9

BOTTOM OF BOREHOLE AT 10.0 ft

Topsoil thickness estimated to be approximately 3 inches.

Notes:
1. Soils visually field classified in accordance with the Unified Soil Classification System.
2. N-Value: Total blows over last 1.0 foot of 1.5-ft driven interval, using a 1-3/8 inch ID split-spoon with 140-lb hammer falling 30-inches.
3. Hollow-stem augers were utilized without benefit of drilling fluids.

Water Level Data

Reading	Depth	Notes
After drilling	5.35-ft	4/27/2020

SAS FORM 1836-A FEB 08 — Boring Designation B-08 — SHEET 1 of 1

Boring Designation B-09

DRILLING LOG — Division: South Atlantic Division — Installation: Hunter AAF — Sheet 1 of 1 Sheets

1. Project: SOF Military Working Dog Kennel
2. Hole Number: B-09 — Location Coordinates:
3. Drilling Agency: U.S. Army Corps of Engineers - Savannah District
4. Name of Driller: Edward Ratliff
5. Direction of Boring: ☑ Vertical ☐ Included — Deg From Vertical: --- — Bearing:
6. Thickness of Overburden: >10'
7. Depth Drilled into Rock: 0'
8. Total Depth of Boring: 10'
8. Coordinate System: State Plane - Georgia East — Horizontal: NAD83 — Vertical: NAVD88
10. Size and Type of Bit: 3.25 HSA
11. Manufacturer's Designation of Drill: Geoprobe 7822DT
12. Total Samples: Disturbed 5 — Undisturbed 0
13. Total Number Core Boxes: 0
14. Depth Ground Water: See Remarks
15. Date Boring: Started 4/29/20 — Completed 4/29/20
16. Elevation Top of Boring: 14.0-ft
17. Total Core Recovery for Boring: N/A
18. Signature and Title of Inspector: Jose Santiago, Geologist

Elev	Depth	Graph	Field Classification of Materials (Description)	Rec	Sample No.	Blows per 6 in	N-Value
			SANDY LEAN CLAY (CL), fine; dark brown, moist, trace organics.	80	S-1	3 3	6
7.5	6.5		Fine to medium.	80	S-2	3 3	6
			Moist.	93	S-3	2 2	4
			POORLY GRADED SAND (SP), fine to medium; gray, wet.	93	S-4	7 8	15
4.0	10.0			60	S-5	7 8	15

BOTTOM OF BOREHOLE AT 10.0 ft

Topsoil thickness estimated to be approximately 3 inches.

Notes:
1. Soils visually field classified in accordance with the Unified Soil Classification System.
2. N-Value: Total blows over last 1.0 foot of 1.5-ft driven interval, using a 1-3/8 inch ID split-spoon with 140-lb hammer falling 30-inches.
3. Hollow-stem augers were utilized without benefit of drilling fluids.

Water Level Data

Reading	Depth	Notes
After drilling	4.6-ft	4/29/2020

SAS FORM 1836-A FEB 08 — Boring Designation B-09 — SHEET 1 of 1

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: J. SHEPHERD
DRAWN BY: B. TSUI
CHECKED BY: M. PAREDES
SUBMITTED BY: J. SHEPHERD
SIZE: ANSI D

ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE 141-26
DRAWING NAME: 121450 B-001.dwg

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVENUE
SAVANNAH, GA 31401-3640

BURNS McDONNELL
8400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN: 69262

BORING LOGS

SHEET ID
B-001

GEORGIA — JASON T. SHEPHERD — NO. 36672 — PROFESSIONAL ENGINEER — 1/21/2026

READY TO ADVERTISE (RTA)

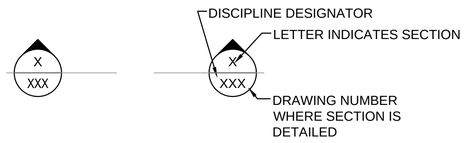
SURVEY LEGEND

EXISTING	DESCRIPTION
13	CONTOUR
SS	SANITARY SEWER
SD	STORM WATER SEWER
E	OVERHEAD ELECTRIC
E	UNDERGROUND ELECTRIC PRIMARY
ES	UNDERGROUND ELECTRIC SECONDARY
COMM	UNDERGROUND COMMUNICATION
SSFM	SANITARY SEWER FORCE MAIN
G	GAS LINE
W	WATER MAIN
FO	FIBER OPTIC
	EDGE OF WATER
	STREAM BUFFER
	FOREST LINE
X	FENCE LINE
G	GAS METER
FH	FIRE HYDRANT
W	WATER VAULT
	ROAD SIGN
BO	BOLLARD
E	ELECTRIC VAULT MANHOLE
S	SANITARY SEWER MANHOLE
CO	CLEAN OUT
D	STORM WATER SEWER MANHOLE
CB	STORM WATER CATCH BASIN
A/C	AIR CONDITIONER
	POWER POLE WITH LIGHT
	STEAM VENT
	POWER POLE
	GUY ANCHOR
H	POWER JUNCTION BOX
ST	UNKNOWN MANHOLE
E	ELECTRIC DEVICE
	MONITORING WELL
	OUTLET CONTROL STRUCTURE
	HEADWALL
	BUILDING
	CONCRETE PAVEMENT
	ASPHALT PAVEMENT

LEGEND

NEW	DESCRIPTION
	EARTH (SECTION)
	ASPHALT PAVEMENT (SECTION)
	ASPHALT PAVEMENT
	CONCRETE PAVEMENT
	SIDEWALK CONCRETE
	GRAVEL SURFACING
	DEMOLISH AND REMOVE ASPHALT PAVEMENT
	DEMOLISH AND REMOVE CONCRETE PAVEMENT
	DEMOLISH AND REMOVE SIDEWALK CONCRETE
	DEMOLISH AND REMOVE BUILDING
	CLEAR AND GRUB AREA
	UTILITY DEMOLITION
	ABANDON-IN-PLACE
	MISCELLANEOUS STRUCTURE DEMOLITION
	HAUL ROUTE
	SAWCUT PAVEMENT
S/O	ANTI-TERRORISM/FORCE PROTECTION 33' UNOBSTRUCTED SPACE

SECTION AND DETAIL IDENTIFICATION



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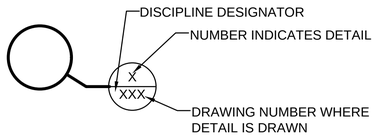
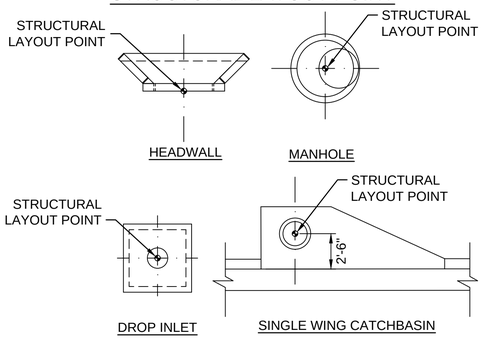


STRUCTURAL LAYOUT POINT



STORM DRAINAGE STRUCTURAL LAYOUT POINTS
DOUBLE WING CATCH BASIN

NEW	DESCRIPTION
710.0	MAJOR CONTOUR (1.00')
1360.50	SPOT ELEVATION
FFE: 1000.0	FINISH FLOOR ELEVATION (PLAN)
	CONTROL POINT (BENCH MARK)
	BORING LOCATION
	BUILDINGS AND STRUCTURES
	CURB AND GUTTER
BO	BOLLARD
	TRAFFIC SIGN
SS	SANITARY SEWER LINE
SSFM	SANITARY SEWER FORCE MAIN
S	SANITARY SEWER MANHOLE / PUMP STATION
CO	SANITARY SEWER CLEAN-OUT
ST	STORM DRAIN ROOF LEADER (HDPE)
	STORM DRAIN LINE (RCP - CLASS III)
D	STORM DRAIN MANHOLE
RD	STORM DRAIN ROOF LEADER CONNECTION
CO	STORM DRAIN CLEAN-OUT
	STORM DRAIN GRATE INLET
	STORM DRAIN CURB INLET
	HEADWALL
	FLARED END SECTION
	OUTLET CONTROL STRUCTURE
	GATE VALVE
V	VALVE VAULT
	FIRE HYDRANT ASSEMBLY
G	NATURAL GAS LINE
G	NATURAL GAS METER
	CAP, PLUG, BLIND FLANGE
LOS	LIMITS OF SURVEY
LOC	LIMITS OF CONSTRUCTION
W	WATER MAIN
LOC	CLEARING LIMITS
X	CHAIN LINK FENCE
UD	UNDERDRAIN
	EDGE OF WATER / STORMWATER MANAGEMENT FACILITY

ABBREVIATIONS

ABBREVIATIONS	DESCRIPTION
ABC-	AGGREGATE BASE COURSE
AC-	ACRE
	ASPHALT CONCRETE
ACM-	ASBESTOS CONTAINING MATERIAL
ADA-	AMERICANS WITH DISABILITIES ACT
AFB	AIR FORCE BASE
ANG	AIR NATIONAL GUARD
ATFP-	ANTI-TERRORISM/FORCE PROTECTION
B/C-	BOTTOM OF CURB
BCE-	BASE CIVIL ENGINEERING
B/L	BUILDING LINE
BM-	BENCHMARK
CB-	CATCH BASIN
C-C-	CENTER TO CENTER
CE-	CIVIL ENGINEER
COE-	CORPS OF ENGINEERS
CONC-	CONCRETE
CPNODE-	CATHODIC PROTECTION SYSTEM NODE
CGMP-	CORRUGATED GALVANIZED METAL PIPE
CGMPA-	CORRUGATED GALVANIZED METAL PIPE ARCH
CI-	CURB INLET OR CAST IRON PIPE
CGI-	CURB/GUTTER INLET
CO-	CLEAN OUT
COR-	CONTRACTING OFFICER'S REPRESENTATIVE
CL-	CENTERLINE
DEPT-	DEPARTMENT
DI-	DUCTILE IRON OR DROP INLET
DIA-	DIAMETER
DS-	DOWNSPOUT
DW-	DOMESTIC WATER
EFSO-	EMERGENCY FUEL SHUT-OFF
ELEC-	ELECTRICAL
EL/ELEV-	ELEVATION
FDC-	FIRE DEPARTMENT CONNECTION
FES-	FLARED END SECTION
FEV-	FUEL-EFFICIENT VEHICLE
FF-	FINISH FLOOR
FFE-	FINISH FLOOR ELEVATION
FH-	FIRE HYDRANT
FL-	FLOW LINE
FOD-	FOREIGN OBJECT DEBRIS
FT-	FOOT
FW-	FIREWATER
GAB-	GRADED AGGREGATE BASE
GI-	GRATED INLET
HDPE-	HIGH DENSITY POLYETHYLENE
HGL-	HYDRAULIC GRADE LINE
HQ-	HEADQUARTERS
HW-	HEADWALL
LEV-	LOW-EMITTING VEHICLE
MAX-	MAXIMUM
MH-	MANHOLE
MIN-	MINIMUM
MUTCD-	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
MW-	MONITORING WELL
NIC-	NOT IN CONTRACT
NO-	NUMBER
NPW-	NON-POTABLE WATER
OC-	ON CENTER
OCS-	OUTLET CONTROL STRUCTURE
OD-	OUTSIDE DIAMETER
OFA	OBJECT FREE AREA
OSHA-	OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION
PCC-	PORTLAND CEMENT CONCRETE
PE-	POLYETHYLENE
PED-	PEDESTRIAN
PI-	POINT OF INTERSECTION
POV-	PRIVATELY OWNED VEHICLE
PVC-	POLYVINYL CHLORIDE
RCB-	REINFORCED CONCRETE BOX
RCP-	REINFORCED CONCRETE PIPE
RD-	ROOF DRAIN
RFDC-	REMOTE FIRE DEPARTMENT CONNECTION
SS-	SANITARY SEWER
SDI-	STORM DRAIN INLET
SDMH-	STORM DRAIN MANHOLE
ST, SD-	STORM SEWER, STORM DRAIN, STREET
SWPPP-	STORM WATER POLLUTION PREVENTION PLAN
T/C-	TOP OF CURB
TELE-	TELEPHONE
TYP-	TYPICAL
USAF-	UNITED STATES AIR FORCE
VEH-	VEHICLE
WM-	WATER METER
WV-	WATER VALVE
WWF-	WELDED WIRE FABRIC

US Army Corps of Engineers®

DATE	DESCRIPTION	MARK

ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE 141-26
FILENAME: 121450_GC001.dwg

DESIGNED BY: J. SHEPHERD
DRAWN BY: B. TSUI
CHECKED BY: M. PAREDES
SUBMITTED BY: J. SHEPHERD

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVENUE
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN: 69262

CIVIL LEGEND AND ABBREVIATIONS

SHEET ID
GC001

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GENERAL NOTES:

1. ALL DIMENSIONS, ELEVATIONS, AND STATIONS ARE IN US SURVEY FEET UNLESS INDICATED.
2. ALL PIPE SIZES ARE IN INCHES UNLESS INDICATED OTHERWISE.
3. CALLOUTS, COORDINATES, ELEVATIONS, AND DIMENSIONS ARE POINTED TO OR MEASURED TO STRUCTURE CENTER, ROADWAY CENTER, EDGE OF PAVEMENT, BACK OF CURB, OR OUTSIDE FACE OF FOUNDATION WALL, UNLESS INDICATED OTHERWISE.
4. CONTRACTOR MUST CONTACT "GEORGIA 811 CALL BEFORE YOU DIG" SERVICE IN ORDER TO LOCATE ALL UTILITIES PRIOR TO ANY EXCAVATION OR CONSTRUCTION. CONTRACTOR MUST BE REQUIRED TO HIRE A PRIVATE UTILITY LOCATOR TO LOCATE ALL PRIVATE UTILITIES PRIOR TO ANY EXCAVATION OR CONSTRUCTION.
5. COORDINATES SHOWN LOCATING SITE FEATURES ARE EXPRESSED IN MODIFIED GROUND COORDINATES. SEE SURVEY NOTES - NOTE 4 FOR HORIZONTAL AND CONTROL INFORMATION. SEE SURVEY NOTES - NOTE 5 FOR VERTICAL AND CONTROL INFORMATION.

EXISTING CONDITION NOTES:

1. THE LOCATIONS OF STRUCTURES AND UNDERGROUND UTILITIES AS INDICATED HAVE BEEN OBTAINED FROM EXISTING RECORDS AND FIELD SURVEYS. UNDERGROUND STRUCTURES AND UTILITIES MAY BE PRESENT WHICH ARE NOT DOCUMENTED OR LOCATED.
2. THE CONTRACTOR MUST FIELD-CHECK ALL EXISTING CONDITIONS AND BE THOROUGHLY FAMILIAR WITH THE SITE BEFORE ANY WORK COMMENCES. ANY DISCREPANCIES IN THE DRAWINGS MUST BE IMMEDIATELY REPORTED TO THE COR BEFORE ANY FURTHER WORK COMMENCES.
3. IT MUST BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD-VERIFY EXISTING STRUCTURES, UTILITIES, AND SURVEY INFORMATION, AND TO TAKE NECESSARY PRECAUTIONS DURING DEMOLITION AND CONSTRUCTION. CONTRACTOR MUST VERIFY EXISTENCE AND MARK LOCATIONS OF ALL UTILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES PRIOR TO BEGINNING WORK. CONTRACTOR MUST CONTACT THE COR AND ALL ASSOCIATED UTILITY COMPANIES AND AGENCIES TO IDENTIFY THE LOCATION OF UTILITIES. THERE IS NO GUARANTEE, EITHER EXPRESSED OR IMPLIED, THAT THE LOCATIONS, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ARE REPRESENTATIVE OF THOSE TO BE ENCOUNTERED DURING CONSTRUCTION.
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR MUST NOTIFY THE COR OF OPERATIONAL PLANS. IN THE EVENT AN UNEXPECTED UTILITY OR STRUCTURE INTERFERENCE OR CONFLICT IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE COR. ANY UTILITY SERVICES OR STRUCTURES DISTURBED BY THE CONTRACTOR'S OPERATIONS MUST BE RESTORED IMMEDIATELY AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE COR.
5. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ITEMS NOT TO BE DAMAGED DURING DEMOLITION AND CONSTRUCTION. THE CONTRACTOR MUST REPAIR OR REPLACE DAMAGED OR DISTURBED ITEMS TO THE SATISFACTION OF THE COR AND AT NO ADDITIONAL COST.
6. SPECIAL HANDLING AND CONSIDERATION MUST BE REQUIRED FOR EXCAVATED SOILS THOUGHT TO BE CONTAMINATED WITH HAZARDOUS SUBSTANCES. CONTRACTOR MUST PERIODICALLY MONITOR EXCAVATED SOILS. SOILS MUST BE TREATED ON SITE OR DISPOSED OF PROPERLY IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REQUIREMENTS AND THE PROJECT SPECIFICATIONS. CONTRACTOR MUST COORDINATE REMOVAL OF CONTAMINATED MATERIALS WITH THE COR.

SURVEY NOTES:

1. THE SURVEY WAS PERFORMED BY LOWE ENGINEERING IN MARCH 2020.
2. THE SURVEY WAS MODIFIED TO COORDINATE WITH PROJECT BLDG 1030 - 1/75 DOG KENNEL BY POND & COMPANY. CONTRACTOR MUST FIELD VERIFY CONDITIONS.
3. CONTRACTOR MUST RETAIN A LICENSED SURVEYOR TO SURVEY PROJECT IMPROVEMENTS. IF BENCHMARKS SHOWN ARE IN AREAS THAT REQUIRE DEMOLITION, OTHER BENCHMARKS MUST BE ESTABLISHED BEFORE DEMOLITION AND CONSTRUCTION WORK BEGINS. CONTRACTOR MUST SUPPLY CERTIFIED, CONTROL POINT DATA TO THE COR AFTER COMPLETION OF CONSTRUCTION.
4. HORIZONTAL DATUM SHOWN IS BASED ON THE NORTH AMERICAN DATUM OF 1983 (NAD 83 GEORGIA EAST).
5. VERTICAL DATUM SHOWN IS NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

GENERAL DEMOLITION NOTES:

1. ALL DEMOLITION, WASTE, DEBRIS, AND UNSATISFACTORY MATERIALS MUST BE DISPOSED OF OFF BASE IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.
2. LOCATIONS NOTED FOR DEBRIS REMOVAL MAY CONTAIN ANY OF THE FOLLOWING MATERIALS: AGGREGATE, CONCRETE, ASPHALT, MASONRY, FOUNDATIONS, REBAR, FENCE MATERIAL, PIPING, AND MISCELLANEOUS STRUCTURES. LARGE PIECES OF MATERIAL MAY NEED TO BE CRUSHED AND/OR BROKEN UP FURTHER IN ORDER TO BE HAULED AWAY TO THE WASTE DISPOSAL SITE.
3. CONTRACTOR MUST COORDINATE LIMITS OF SAWCUT AND PAVEMENT REMOVAL WITH PROPOSED PAVEMENT LAYOUT AND JOINTING PLAN. PAVEMENT DESIGNATED FOR SAWCUT MUST BE SAWCUT FULL DEPTH AND DOUBLE CUT. EXISTING PAVEMENT EDGES MUST BE SAWCUT IN LOCATIONS SHOWN TO PROVIDE CLEAN EDGE FOR CONSTRUCTION OF PROPOSED PAVEMENT.
4. PAVEMENT REMOVAL LIMITS MUST BE TO THE NEAREST EXISTING PAVEMENT JOINT TO THE GREATEST EXTENT POSSIBLE TO PREVENT PARTIAL PANEL REMOVAL.
5. PAVEMENT REMOVAL MUST INCLUDE REMOVAL OF PAVEMENT AND ANY SUBBASE MATERIAL PRESENT.
6. PAVEMENT REMOVAL DEPTHS ARE APPROXIMATE AND BASED ON THE CORING DATA PROVIDED.
7. CONTRACTOR MUST COORDINATE WITH THE COR PRIOR TO REMOVAL OF EXISTING UTILITIES IN SERVICE. RELOCATED UTILITIES MUST BE CONSTRUCTED BEFORE REMOVAL OF EXISTING UTILITIES TO ENSURE UNINTERRUPTED SERVICE TO THE FACILITIES SERVED BY THE UTILITY. ALL RELOCATIONS MUST BE COORDINATED WITH THE COR.
8. UTILITY CAPPING METHODS MUST BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS FOR SPECIFIC PIPE MATERIAL IN SERVICE. ALL CAPPING MUST BE INSPECTED AND APPROVED BY THE COR.
9. STRUCTURES AND UTILITIES TO BE REMOVED MUST BE REMOVED IN ACCORDANCE WITH 02 41 00 AND BACKFILLED IN ACCORDANCE WITH SPECIFICATION 31 00 00.

GENERAL SITE NOTES:

1. BUILDING COORDINATES ARE INDICATED TO OR MEASURED AT THE CENTER OF BUILDING COLUMNS. CONTRACTOR MUST COORDINATE BEARINGS OF BUILDING GRID LINES WITH STRUCTURAL DRAWINGS.
2. CONTRACTOR MUST COORDINATE BUILDING ENTRANCES, EGRESSES, WALKWAYS, AND DOORWAY LOCATIONS WITH ARCHITECTURAL AND STRUCTURAL SHEETS. STOOPS AND SIDEWALKS CENTERED ON DOORS.
3. SEE MECHANICAL AND ELECTRICAL SHEETS FOR MISCELLANEOUS SITE EQUIPMENT DETAILS. SEE STRUCTURAL SHEETS FOR EQUIPMENT PAD DETAILS.
4. FINISHED FLOOR ELEVATION FOR HUNTER ARMY AIRFIELD KENNEL FACILITY OF 18.0 CORRELATES TO ELEVATION 100.0' ON STRUCTURAL DRAWINGS. COORDINATE FOUNDATION AND SLAB ELEVATIONS WITH STRUCTURAL DRAWINGS.

GENERAL UTILITY NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL BUILDING CONNECTIONS WITH BUILDING CONTRACTOR AND THE INFORMATION PROVIDED ON MECHANICAL, PLUMBING, TELECOMMUNICATIONS, AND ELECTRICAL SHEETS.
2. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING PRIVATIZED UTILITIES IN ADDITION TO THE UTILITIES LOCATED THROUGH THE 811 LOCATER PROGRAM.
3. CONTRACTOR MUST PROVIDE A MINIMUM NOTICE OF 30 DAYS FOR ALL REQUIRED UTILITY SHUTDOWNS FOR UTILITY CONNECTIONS WITH THE COR.
4. UTILITY TRENCHES THAT PENETRATE BENEATH THE BUILDING MUST BE SEALED TO RESTRICT WATER INTRUSION. AN IMPERVIOUS CLAY TRENCH PLUG MUST EXTEND A MINIMUM 5 FEET BEYOND THE BUILDING FOOTPRINT. SEE DETAIL C8 SHEET CU502.
5. THE MINIMUM DEPTH OF COVER FOR UTILITIES MUST BE AS FOLLOWS UNLESS INDICATED OTHERWISE:
   a. WATER AND FIRE PROTECTION: 36 INCHES
   b. ELECTRICAL AND COMMUNICATION: 24 INCHES
   c. ALL OTHER UTILITIES: 36 INCHES
7. ANY CHANGES TO PROPOSED UTILITY DESIGN MUST BE APPROVED BY THE COR IN WRITING.

WATER UTILITY NOTES:

1. RESTRAINED JOINTS ARE REQUIRED AT ALL TEES, BENDS, OR ELBOWS OF PRESSURIZED PIPING IN ACCORDANCE WITH THE DRAWINGS, SPECIFICATIONS, AND MANUFACTURER'S RECOMMENDATIONS.
2. WATER LINES MUST BE INSTALLED A MINIMUM OF 3.00 FEET BEHIND THE EDGE OF PAVEMENT OR FACE OF CURB UNLESS INDICATED OTHERWISE. SEE SPECIFICATIONS FOR ADDITIONAL CLEARANCE REQUIREMENTS FOR WATER PIPING.
3. FIRE HYDRANTS MUST BE INSTALLED A MINIMUM OF 3.00 FEET AND A MAXIMUM OF 6.00 FEET FROM EDGE OF PAVEMENT OR FACE OF CURB AND A MINIMUM OF 1.00 FEET FROM EDGE OF SIDEWALK UNLESS INDICATED OTHERWISE. A RADIUS OF 3.00 FEET AROUND THE HYDRANT MUST BE KEPT CLEAR FOR FIRE DEPARTMENT ACCESS. AREA BETWEEN CURB AND HYDRANTS MUST BE KEPT CLEAR OF OBSTRUCTIONS. FIRE HYDRANTS MUST BE PAINTED TO MATCH BASE STANDARD.
4. ISOLATION VALVES MUST BE PROVIDED ON ALL INSTALLED OR RELOCATED HYDRANTS.

SANITARY UTILITY NOTES:

1. ALL SANITARY SEWER BUILDING CONNECTIONS ARE TO BE MADE USING 6.00 INCH PVC LINES UNLESS INDICATED OTHERWISE.
2. ALL SANITARY LINES ARE TO BE LAID AT A UNIFORM SLOPE FROM THE BUILDING CONNECTIONS WITH, A MINIMUM HORIZONTAL SEPARATION OF 3 FEET, TO THE CONNECTING SEWER AND BETWEEN UTILITY STRUCTURES.
3. SANITARY SEWERS MUST HAVE CONCRETE SEWER ENCASEMENT WHERE SANITARY SEWER WILL BE INSTALLED ABOVE WATER LINES. SEE SPECIFICATIONS FOR ADDITIONAL CLEARANCE REQUIREMENTS FOR SANITARY PIPING.
4. IF MANHOLES ARE INDICATED ON SANITARY LINES, A 2.00 INCH DROP IN ELEVATION BETWEEN THE INCOMING AND OUTGOING SEWER MUST BE PROVIDED IN EACH MANHOLE UNLESS INDICATED OTHERWISE. INVERT FLOW CHANNELS MUST BE CONSTRUCTED TO PROVIDE SMOOTH AND UNIFORM SLOPE WITH GRADUAL TRANSITION SECTIONS.

UTILITY STRUCTURE NOTES:

1. ALL UTILITY STRUCTURES ARE TO BE H-20 RATED.
   a. CONTRACTOR MUST SUBMIT STRUCTURAL DRAWINGS, DESIGN CALCULATIONS, AND WATERPROOFING METHOD, DESIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF GEORGIA FOR APPROVAL.
2. IF A MANHOLE IS LOCATED IN PAVEMENT AREAS, RIM ELEVATION MUST BE FLUSH WITH FINAL GRADE. IF A MANHOLE IS LOCATED OUTSIDE OF PAVED OR OTHER HARD SURFACES AREAS, RIM ELEVATION MUST BE 6 INCHES ABOVE FINAL GRADE.
3. COVERS AND CASTINGS OF MANHOLES AND STRUCTURES MUST BE STAMPED PER THE APPROPRIATE UTILITY TYPE OR PER THE LOCAL STANDARDS, AND MUST BE STAMPED PER THE ORIGIN OF MANUFACTURE.
4. COVERS AND CASTINGS MUST BE TAMPER-PROOF FOR STRUCTURES LOCATED IN PEDESTRIAN AREAS, EASEMENT AREAS, AND AREAS WITH SPECIAL SECURITY RESTRICTIONS.

GENERAL GRADING NOTES:

1. NEW ELEVATIONS INDICATED ARE FOR TOP OF FINAL GRADE, PAVEMENT, OR STRUCTURE UNLESS INDICATED OTHERWISE.
2. ELEVATION DENOTED AS “MATCH” ARE INTENDED TO MEET EXISTING GRADE ELEVATIONS. CONTRACTOR MUST VERIFY ELEVATIONS AT TIE-INS AND MATCH POINTS PRIOR TO BEGINNING CONSTRUCTION.
3. EXTERIOR FINISH GRADES AT BUILDING ENTRANCES AND DOORWAY THRESHOLDS MUST BE MAXIMUM 0.25 INCHES BELOW BUILDING FINISH FLOOR IF A VERTICAL THRESHOLD IS PROVIDED, AND MUST BE MAXIMUM 0.5 INCHES BELOW BUILDING FINISH FLOOR IF A BEVELED THRESHOLD IS PROVIDED, UNLESS INDICATED OTHERWISE. EXTERIOR FINISH GRADES ADJACENT TO BUILDING SHALL BE 6.0 INCHES BELOW BUILDING FINISH FLOOR UNLESS INDICATED OTHERWISE.
4. ADEQUATE DRAINAGE MUST BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION. ANY DRAINAGE FEATURE OR STRUCTURE DISTURBED DURING CONSTRUCTION MUST BE RESTORED TO EXISTING CONDITIONS OR BETTER SUBJECT TO THE APPROVAL OF THE COR.
5. SURFACES AROUND FACILITY MUST BE GRADED TO PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDINGS AND PAVEMENTS.
6. THE CONTRACTOR MUST REMOVE STANDING WATER FROM THE PROJECT WORK LIMITS AS NECESSARY TO PROTECT SUBGRADE, SUBBASE, AND/OR BASE COURSE OF NEW PAVEMENT, SURROUNDING PAVEMENT-TO-REMAIN, OR OTHER COMPLETED WORKS.
7. TOP ELEVATION OF ALL UTILITY STRUCTURES TO REMAIN MUST BE ADJUSTED ACCORDINGLY TO FINISH GRADE ELEVATION.
8. ALL AREAS DISTURBED BY CONSTRUCTION MUST BE RE-VEGETATED WITH SOD IN ACCORDANCE WITH THE SPECIFICATIONS.
9. INSPECTION REPORTS GENERATED BY THE CONTRACTOR AFTER INSPECTION OF EROSION CONTROL DEVICES MUST BE SUBMITTED TO THE COR.
10. PLACE AND SPREAD A LAYER OF CLEAN TOPSOIL, MINIMUM 4" THICK, BEFORE INSTALLING SOD. TOPSOIL SURFACE MUST BE TRACKED WITH MACHINERY BEFORE INSTALLING SOD.
11. CONTRACTOR MUST PROVIDE THE REQUIRED ESTABLISHMENT PERIOD (FERTILIZE, WATER, FIRST MOW) FOR THE AREAS TO BE SODDED IN ACCORDANCE WITH THE GEORGIA EROSION CONTROL MANUAL - GREEN BOOK.
12. UPON DEMOLITION AND REMOVAL OF EXISTING FOUNDATIONS, CONTRACTOR MUST BACKFILL AREA WITH SATISFACTORY MATERIALS IN ACCORDANCE WITH SPECIFICATION 31 00 00 (EARTHWORK) TO ELIMINATE LOCALIZED DEPRESSIONS TO PROVIDE POSITIVE DRAINAGE MATCHING EXISTING DRAINAGE PATTERS. PROVIDE TOPSOIL AND SEED ACCORDING TO PROJECT SPECIFICATIONS.

GEORGIA
CERTIFICATE NO.
PROFESSIONAL
1/21/2026
ENGINEER
JASON T. SHEPHERD

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY:	J. SHEPHERD
DRAWN BY:	B. TSUI
CHECKED BY:	M. PAREDES
SUBMITTED BY:	J. SHEPHERD
ANSI D	
ISSUE DATE:	JANUARY, 2026
SOLICITATION NO.:	W912HN-26-B-A003
CONTRACT NO.:	
CATEGORY CODE	141-26
JOB NUMBER:	121450
FILENAME:	GC001.dwg

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVENUE
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN: 69262

CIVIL GENERAL NOTES

SHEET ID
GC002

READY TO ADVERTISE (RTA)

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COORDINATION AND COMMUNICATION NOTES:

1. CONTRACTOR MUST APPOINT A PRIMARY CONSTRUCTION SUPERINTENDENT, SUBJECT TO THE APPROVAL OF THE COR, WHO MUST BE PRESENT ON THE CONSTRUCTION SITE AT ALL TIMES DURING WORKING HOURS AND ACCESSIBLE AT ALL TIMES WHILE WORK IS IN PROGRESS. THE PRIMARY CONSTRUCTION SUPERINTENDENT MUST BE DESIGNATED THE RESPONSIBLE CONTRACTOR'S REPRESENTATIVE WHO MUST BE AVAILABLE ON A 24-HOUR BASIS. WHEN THE CONTRACTOR'S PRIMARY CONSTRUCTION REPRESENTATIVE IS NOT AVAILABLE ON THE CONSTRUCTION SITE, AN ALTERNATE REPRESENTATIVE MUST BE PROVIDED. CONTRACTOR MUST PROVIDE NAMES AND CONTACT INFORMATION OF REPRESENTATIVES TO THE COR PRIOR TO THE START OF CONSTRUCTION ACTIVITIES.
2. CONTRACTOR MUST BE RESPONSIBLE FOR MAINTAINING CONSTANT COORDINATION BETWEEN ANY SUBCONTRACTORS AND THE COR. ALL CONSTRUCTION ACTIVITIES PLANNED BY THE CONTRACTOR MUST BE REVIEWED AND APPROVED BY THE COR.

TRAFFIC CONTROL NOTES:

1. HAUL ROUTES MUST REMAIN OPEN AT ALL TIMES. ANY REQUIRED ROADWAY CLOSURES MUST BE COORDINATED WITH THE CONTRACTING OFFICERS AND OWNER'S REPRESENTATIVE. PROVIDE DETOUR SIGNAGE AS REQUIRED IN ACCORDANCE WITH GDOT AND MUTCD STANDARDS.
2. PRIOR TO CONSTRUCTION, CONTRACTOR MUST CORDON OFF THE CONSTRUCTION WORK AREA AND ASSOCIATED ROADWAYS BY USING BARRICADES AND FENCING APPROVED BY THE COR. TEMPORARY CONSTRUCTION FENCING WITH BROWN PRIVACY SCREENING MUST BE INSTALLED AROUND THE LAYDOWN AREAS AND ROADWAYS ACCESSING LAYDOWN AREAS AS SHOWN ON THE PHASING PLANS.
3. ALL CONSTRUCTION EQUIPMENT AND VEHICLES MUST BE MARKED WITH COMPANY DESIGNS, INSIGNIAS, OR OTHER MARKINGS, WHICH ARE CLEARLY VISIBLE. CONTRACTOR MUST PROVIDE EACH VEHICLE WITH A FLAG ATTACHED TO THE VEHICLE WHICH SHOULD BE AT LEAST 3 FEET SQUARE HAVING INTERNATIONAL ORANGE AND WHITE CHECKERED PATTERN SO THAT THE FLAG IS EASILY VISIBLE.
4. CONSTRUCTION EQUIPMENT MUST HAVE AUTOMATIC SIGNALING DEVICES TO SOUND AN ALARM WHEN MOVING IN REVERSE.
5. ONLY RUBBER-TIRE VEHICLES WILL BE ALLOWED ON EXISTING PAVEMENT-TO-REMAIN.
6. NO UNAUTHORIZED PEDESTRIAN TRAFFIC MUST BE ALLOWED INSIDE THE CONSTRUCTION LIMITS. AUTHORIZED PEDESTRIAN TRAFFIC INCLUDE ESSENTIAL PERSONNEL AND OTHER PERSONNEL AUTHORIZED BY COR.
7. CONTRACTOR MUST PROVIDE A MINIMUM NOTICE OF 1 MONTH TO BASE AND THE COR FOR ROAD CLOSURE PRIOR TO THE ROAD REQUIRING CLOSURE.
8. PRIOR TO THE REMOVAL OF BARRICADES AND TRAFFIC CONTROL DEVICES, THE CONTRACTOR MUST REQUEST THE COR TO SCHEDULE AN INSPECTION. NO ROADWAY MAY BE RE-OPENED UNTIL THE COR HAS COMPLETED INSPECTION AND APPROVED THE RE-OPENING.

TEMPORARY CONSTRUCTION CRANE NOTES:

1. TEMPORARY OBSTRUCTIONS, SUCH AS CRANES, MUST BE MARKED AND LIGHTED IN ACCORDANCE WITH FAA AC 70/7460-1. ALL HAZARDOUS AREAS (SUCH AS EXCAVATIONS OR STOCKPILED MATERIALS) ON THE AIRFIELD MUST BE DELINEATED WITH LIGHTED BARRICADES ON ALL EXPOSED (VISIBLE OR ACCESSIBLE) SIDES. CONTRACTOR MUST PROVIDE ALL NECESSARY INFORMATION TO THE BASE CE FOR CONSTRUCTION CRANES, EQUIPMENT, AND RELATED EQUIPMENT, AND RELATED ACTIVITIES. ALL FORMS MUST BE APPROVED PRIOR TO USING OR BRINGING EQUIPMENT ON SITE. BASE CE TO SUBMIT 7460 FORMS TO FAA.
2. THE MAXIMUM ALLOWABLE HEIGHT OF CONSTRUCTION EQUIPMENT OPERATING IN AN AIRCRAFT OPERATIONS AREA IS GOVERNED BY FAA AC 150/5370-2 AND AC 150/5300-13 (CURRENT EDITIONS). WHEN EQUIPMENT IS EXPECTED TO PENETRATE THE AIRFIELD APPROACH SURFACES OR WHEN CRANES WILL BE USED ON-SITE, CONTRACTOR MUST PROVIDE A MINIMUM NOTICE OF 45 DAYS TO THE COR AND BASE AIRFIELD OPERATIONS PRIOR TO THE START OF CONSTRUCTION TO COORDINATE THE SUBMITTAL OF FAA FORM 7460-1 TO THE FAA REGIONAL OFFICE. PERMISSION TO USE CRANES MUST BE ISSUED BY BASE AIRFIELD OPERATIONS AND THE COR AFTER APPROVAL BY THE FAA.
3. OBSTRUCTION LIGHT FIXTURES MUST BE AVIATION RED INCANDESCENT STEADY BURNING FAA AC 150/5345-43, TYPE L-810. AIR FORCE POLICY DOES NOT ALLOW USE OF LED FIXTURES FOR OBSTRUCTION LIGHTING.
4. WHEN NOT IN OPERATION, ALL EQUIPMENT AND CRANES MUST HAVE BOOMS OR ARMS LOWERED TO THEIR LOWEST ELEVATION.

EXCAVATION AND TRENCHES NOTES:

1. EXCAVATION PERMIT: THE CONTRACTOR MUST BE RESPONSIBLE FOR OBTAINING AND PROCESSING AN EXCAVATION PERMIT.
2. CONTRACTOR MUST BE RESPONSIBLE FOR ENSURING THAT ALL EXCAVATION, TRENCHING, AND SHORING ARE PERFORMED IN A MANNER THAT COMPLIES WITH THE MOST STRINGENT INTERPRETATION OF LOCAL REGULATIONS AND OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS FOR CONSTRUCTION, AND THE USACE EM 385-1-1 "HEALTH AND SAFETY MANUAL".
3. OPEN TRENCHES AND EXCAVATIONS AT THE CONSTRUCTION SITE MUST BE PROMINENTLY MARKED.
4. DEWATERING OF UTILITY TRENCHES AND OTHER EXCAVATIONS MAY BE REQUIRED.
5. OPEN ONLY THOSE TRENCHES FOR WHICH MATERIAL IS ON-HAND AND READY FOR PLACING THEREIN. AS SOON AS POSSIBLE AFTER THE MATERIAL HAS BEEN PLACED AND WORK APPROVED, BACKFILL AND COMPACT TRENCHES AS SPECIFIED. MINIMUM LENGTH OF OPEN TRENCH MUST BE LIMITED TO 100 FEET IN ADVANCE AND 100 FEET BEHIND PIPE INSTALLATION, EXCEPT AS APPROVED BY CONTRACTING OFFICER.
6. TRENCHING IS NOT ALLOWED THROUGH ACTIVE ROADS. ALL UTILITIES MUST BE BORED UNDER ACTIVE ROADS.
7. TRENCHING IN PARKING AREAS IS ALLOWED, SO LONG AS A STEEL PLATE IS PROVIDED OVER THE TRENCH TO ACCOMMODATE VEHICULAR TRAFFIC.

OTHER SAFETY REQUIREMENTS:

1. CONTRACTOR MUST MAINTAIN SAFETY PRACTICES THAT CONFORM TO OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS FOR CONSTRUCTION, AND "USACE EM 385-1-1 SAFETY AND HEALTH REQUIREMENTS MANUAL."
2. THERE MUST BE NO PERMANENT WASTE SITES ON BASE PROPERTY. TEMPORARY WASTE AREAS DO NOT REQUIRE APPROVAL BY THE COR SO LONG AS WASTE IS PROPERLY STORED WITHIN THE CONTRACTOR'S LAYDOWN AREA AND IS NOT CREATING A FOD HAZARD. REMOVAL OF WASTE THAT IS NOT PROPERLY MAINTAINED IS SUBJECT TO THE DIRECTION OF THE COR.
3. CONTRACTOR MUST COORDINATE THE RELOCATION OF ANY GOVERNMENT-OWNED EQUIPMENT WITH THE COR.
4. STOCKPILED MATERIAL MUST BE CONSTRAINED IN A MANNER TO PREVENT MOVEMENT RESULTING FROM WIND CONDITIONS.
5. CONTRACTOR MUST MAKE NECESSARY PROVISIONS TO LIMIT DUST CAUSED BY CONSTRUCTION ACTIVITIES TO A LIMIT ACCEPTABLE TO THE BASE AIRFIELD OPERATIONS. THE CONTRACTOR MUST CONTROL BLOWING DUST ON THE PROJECT SITE FROM ANY HAUL ROUTE OR WORK AREA REGARDLESS OF SOURCE.
6. GASOLINE, FUEL, AND OIL STORAGE IN CONTRACTOR LAYDOWN AREAS AND PROJECT SITE MUST HAVE PROPER SPILL CONTAINMENT IN ACCORDANCE WITH BASE ENVIRONMENTAL REQUIREMENTS. GASOLINE, DIESEL FUEL, OIL, AND HAZARDOUS WASTE RESULTING FROM CONTRACTOR'S OPERATIONS OR ACTIVITIES MUST BE PROPERLY DISPOSED OF IN ACCORDANCE WITH THE SPECIFICATIONS AND LOCAL REGULATORY REQUIREMENTS AND PROPERLY REMOVED FROM THE PROJECT PROPERTY.
7. IF CONSTRUCTION REQUIRES THE DISRUPTION OR DISCONNECTION OF ANY WATER LINES OR FIRE HYDRANTS ON PROJECT PROPERTY OR ADJOINING PROPERTY, THE CONTRACTOR MUST PROVIDE A MINIMUM ADVANCE NOTICE OF 30 DAYS TO THE LOCAL FIRE AUTHORITY AND ALL OTHER EMERGENCY SERVICES.
8. FAILURE TO COMPLY WITH THE COR SAFETY REQUIREMENTS WILL RESULT IN THE SUSPENSION OF CONSTRUCTION ACTIVITIES UNTIL ALL SAFETY CONCERNS ARE ADDRESSED BY THE CONTRACTOR TO THE SATISFACTION OF THE COR.
9. ANY WORKERS AND EQUIPMENT NOT IN COMPLIANCE WITH SAFETY PLAN OR BASE AIRFIELD OPERATIONS MUST IMMEDIATELY BE REMOVED FROM THE WORK AREA AND MUST NOT BE PERMITTED TO RETURN THROUGHOUT THE REMAINDER OF THE PROJECT.

SECURITY REQUIREMENTS NOTES:

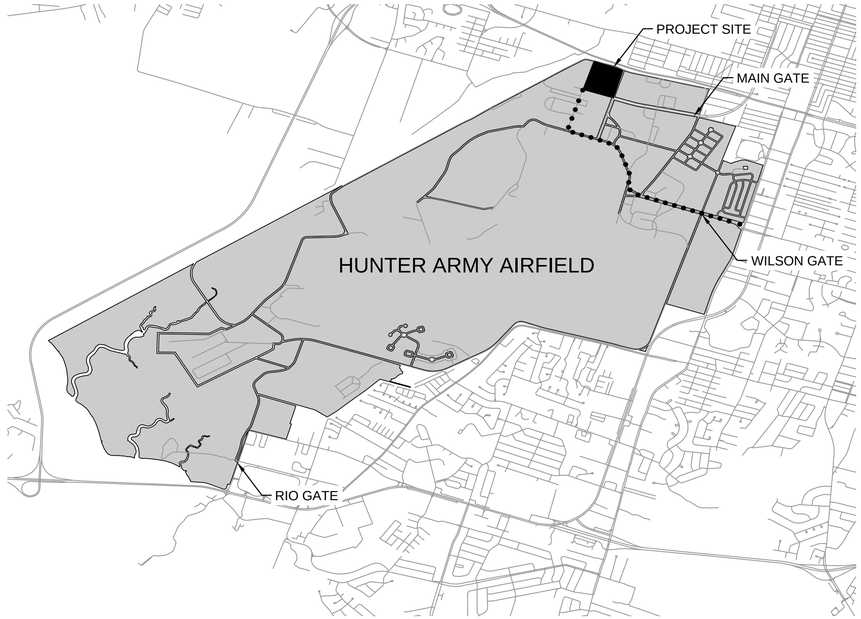
1. THE CONTRACTOR MUST COMPLY WITH ALL REQUIREMENTS AND PROCEDURES OF “IAW AFFAR 5353.242-9000, CONTRACTOR ACCESS TO AIR FORCE INSTALLATIONS”.
2. ALL CONTRACTOR EMPLOYEES MUST CARRY CONTRACTOR PHOTO IDENTIFICATION AT ALL TIMES.
3. CONTRACTOR EMPLOYEES MUST COMPLY WITH ANY INTEGRATED DEFENSE MEASURES THAT MAY BE NECESSARY DURING CONTINGENCY OPERATIONS. THIS INCLUDES, BUT IS NOT LIMITED TO, VEHICLE INSPECTIONS, IDENTIFICATION CHECKS, ETC.

CONTRACTOR SAFETY PLAN SUBMITTALS:

1. CONTRACTOR MUST FURNISH A CONSTRUCTION SAFETY PLAN AND PROPOSED PROJECT SCHEDULE TO THE COR FOR APPROVAL IN ACCORDANCE WITH THE SPECIFICATIONS.

CONTRACTOR ACCESS & LAYDOWN:

1. CONTRACTOR MUST COORDINATE ACTIVITIES AND MAINTAIN ALL ACCESS AND HAUL ROUTES IN A MANNER THAT ALLOWS UNOBSTRUCTED EMERGENCY ACCESS TO ALL PROJECT AREAS, AND EXISTING ROADWAYS AT ALL TIMES WITHOUT DELAY TO EMERGENCY AND SECURITY VEHICLE RESPONSE TIME.
2. CONTRACTOR MUST MAINTAIN ACCESS AND HAUL ROUTES TO BE FREE FROM DEBRIS CAUSED FROM CONSTRUCTION ACTIVITIES ON A DAILY BASIS.
3. CONTRACTOR MUST RESTRICT ALL OPERATIONS TO AREAS WITHIN THE CONSTRUCTION LIMITS UNLESS COORDINATED OTHERWISE WITH THE COR.
4. CONTRACTOR MUST PROVIDE AND INSTALL AT EACH CONSTRUCTION ENTRANCE A CONSTRUCTION SIGN MEETING COR APPROVAL.
5. CONTRACTOR MUST PROVIDE A MINIMUM NOTICE OF 48 HOURS TO THE COR REGARDING CONSTRUCTION DELIVERIES PRIOR TO THOSE DELIVERIES. DELIVERIES MUST BE SCHEDULED MONDAY-FRIDAY, 0600 TO 1800. CONTRACTOR MUST COORDINATE DELIVERIES WITH BASE SECURITY FORCES BY SUBMISSION OF THE CORRECT ENTRY PASS PAPERWORK VIA THE COR.
6. ACCESS POINTS, HAUL ROUTES (WITHIN THE IMMEDIATE VICINITY OF THE SITE), LAYDOWN AREA, AND ANY OTHER AREAS DISTURBED BY THE CONTRACTOR MUST BE RESTORED TO THEIR ORIGINAL CONDITION OR BETTER TO THE SATISFACTION OF THE COR. CONTRACTOR MUST COORDINATE WITH THE COR FOR A PRECONSTRUCTION VIDEO DETAILING THE EXISTING CONDITION OF ACCESS POINTS, HAUL ROUTES, AND LAYDOWN AREAS TO BE PERFORMED.
7. TEMPORARY CONSTRUCTION FENCE LOCATION SHALL BE MODIFIED ACCORDING TO PHASE AND ACCESS REQUIREMENTS WITH COR APPROVAL.



C6 LOCATION MAP
NTS

TRUE NORTH

A6 LOCATION MAP
NTS

TRUE NORTH

GEORGIA
LICENSED
PROFESSIONAL
NO. 34672
1/21/2026
ENGINEER
JASON T. SHEPHERD

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY:	J. SHEPHERD
DRAWN BY:	B. TSUI
CHECKED BY:	M. PAREDES
SUBMITTED BY:	J. SHEPHERD
SIZE:	ANSI D
ISSUE DATE:	JANUARY, 2026
SOLICITATION NO.:	W912HN-26-B-A003
CONTRACT NO.:	
CATEGORY CODE	141-26
FILE NAME:	121450_GC001.dwg

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVENUE
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KONSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN: 69262

ACCESS & SAFETY NOTES

SHEET ID
GC003

READY TO ADVERTISE (RTA)

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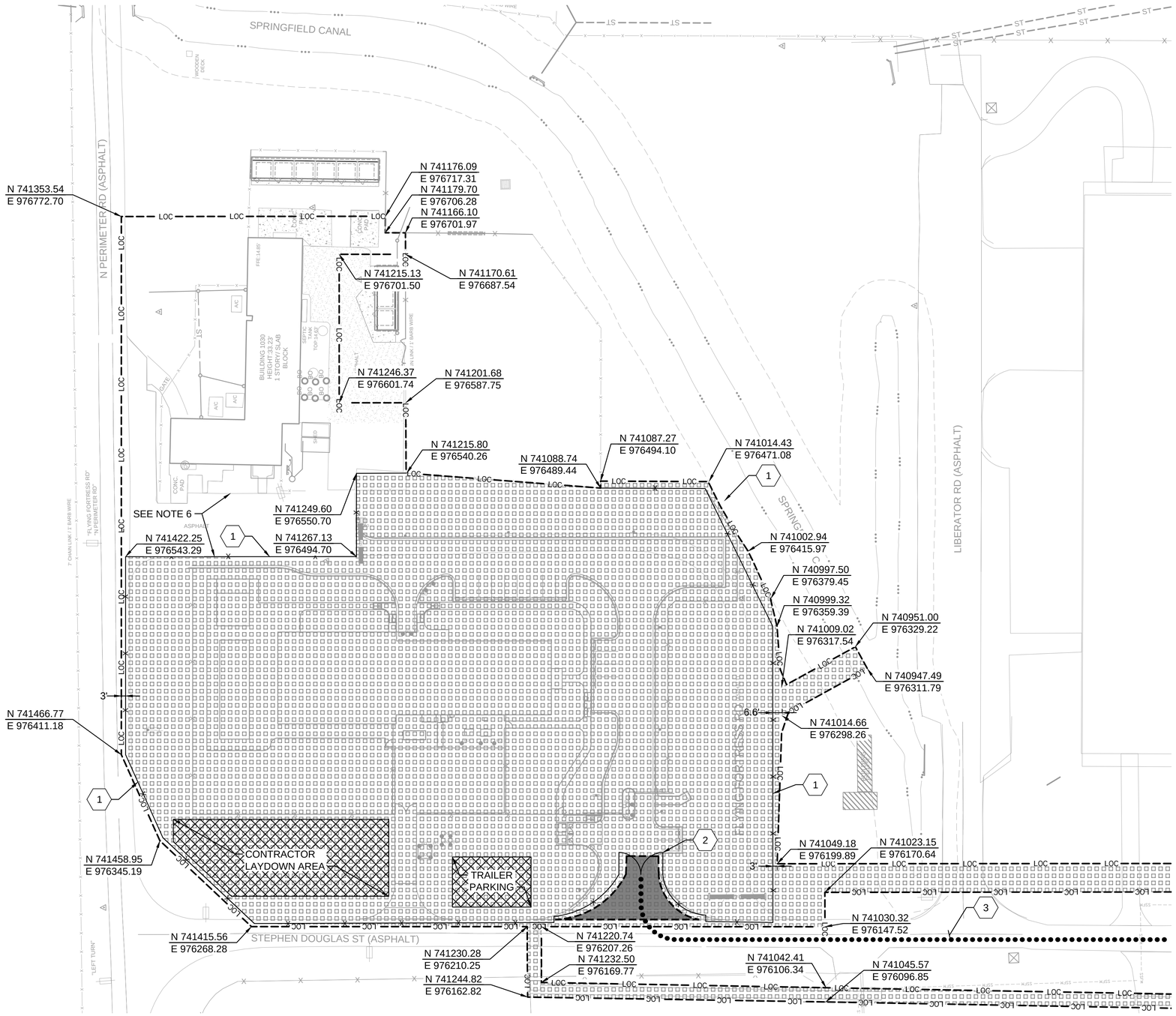

A1 INITIAL PHASING PLAN

SCALE 1" = 40'

GENERAL NOTES

1. SEE SHEET GC002 FOR GENERAL NOTES.
2. SEE SHEET GC003 FOR ACCESS & SAFETY NOTES.
3. CONTRACTOR SHALL MAINTAIN EMERGENCY VEHICLE ACCESS TO EXISTING BUILDINGS DURING ALL PHASES OF CONSTRUCTION.
4. CONTRACTOR SHALL MAINTAIN VEHICLE/PERSONNEL ACCESS TO THE PROJECT SITE AT ALL TIMES.
5. CONTRACTOR ACCESS WILL BE FROM STEPHEN DOUGLAS STREET.
6. CONTRACTOR MAY ADJUST TEMPORARY FENCING AS REQUIRED BY FIELD CONDITIONS AND PROGRESSION OF WORK AS LONG AS ACCESS TO ADJACENT FACILITIES IS MAINTAINED AT ALL TIMES. ANY IMPACT TO ADJACENT FACILITIES OR OPERATIONS SHALL BE COORDINATED AT LEAST 30 DAYS IN ADVANCE.

PHASING NOTES:

EXISTING DOG KENNEL FACILITIES INCLUDING BUILDING 1030, OUTDOOR BREAK KENNEL, AND OBEDIENCE YARD ARE TO REMAIN IN USE DURING THE INITIAL CONSTRUCTION PHASE.

PHASE 1: INSTALL CONSTRUCTION ENTRANCE AND TEMPORARY FENCING AS REQUIRED. CONTRACTOR SHALL HARVEST THE TIMBER WITHIN THE LIMITS OF CONSTRUCTION INSIDE THE TEMPORARY FENCE PERIMETER. CLEAR AND GRUB AREA WITHIN THE LIMITS OF CONSTRUCTION INSIDE THE TEMPORARY FENCE PERIMETER. ANY STUMPS, DEBRIS, OR SITE REMNANTS CAUSED BY TIMBER REMOVAL IS THE CONTRACTOR'S RESPONSIBILITY.

PHASE 2: CONSTRUCT NEW ACCESS ROAD. MAINTAIN ACCESS ON CURRENT ACCESS ROAD UNTIL NEW ACCESS ROAD IS COMPLETED.

PHASE 3: CONSTRUCT NEW DOG KENNEL FACILITY, BREAK KENNELS, STORAGE, AND ASSOCIATED FACILITIES.

PHASE 4: CONSTRUCT NEW PARKING FACILITIES AND PAVEMENT, PERMANENTLY STABILIZE ALL DISTURBED AREAS WITH SEED.

SHEET KEYNOTES

1. TEMPORARY CONSTRUCTION FENCE — E1 GC501
2. DOUBLE SWING GATE — E4 GC501
3. LANE CLOSURE — A1 GC501

LEGEND

- GRAVEL CONSTRUCTION ENTRANCE
- INITIAL PHASE

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: J. SHEPHERD
DRAWN BY: B. TSUI
CHECKED BY: M. PAREDES
SUBMITTED BY: J. SHEPHERD
QC BY:
ANSI D

ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE 141-26
FILENAME: 121450_GC004.dwg

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVENUE
SAVANNAH, GA 31401-3640

BURNS McDONNELL
8400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER army AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY'25, PN: 69262

INITIAL PHASING PLAN

SHEET ID
GC004

READY TO ADVERTISE (RTA)

JASON T. SHEPHERD
GEORGIA REGISTERED
No. 36572
PROFESSIONAL ENGINEER
1/21/2026

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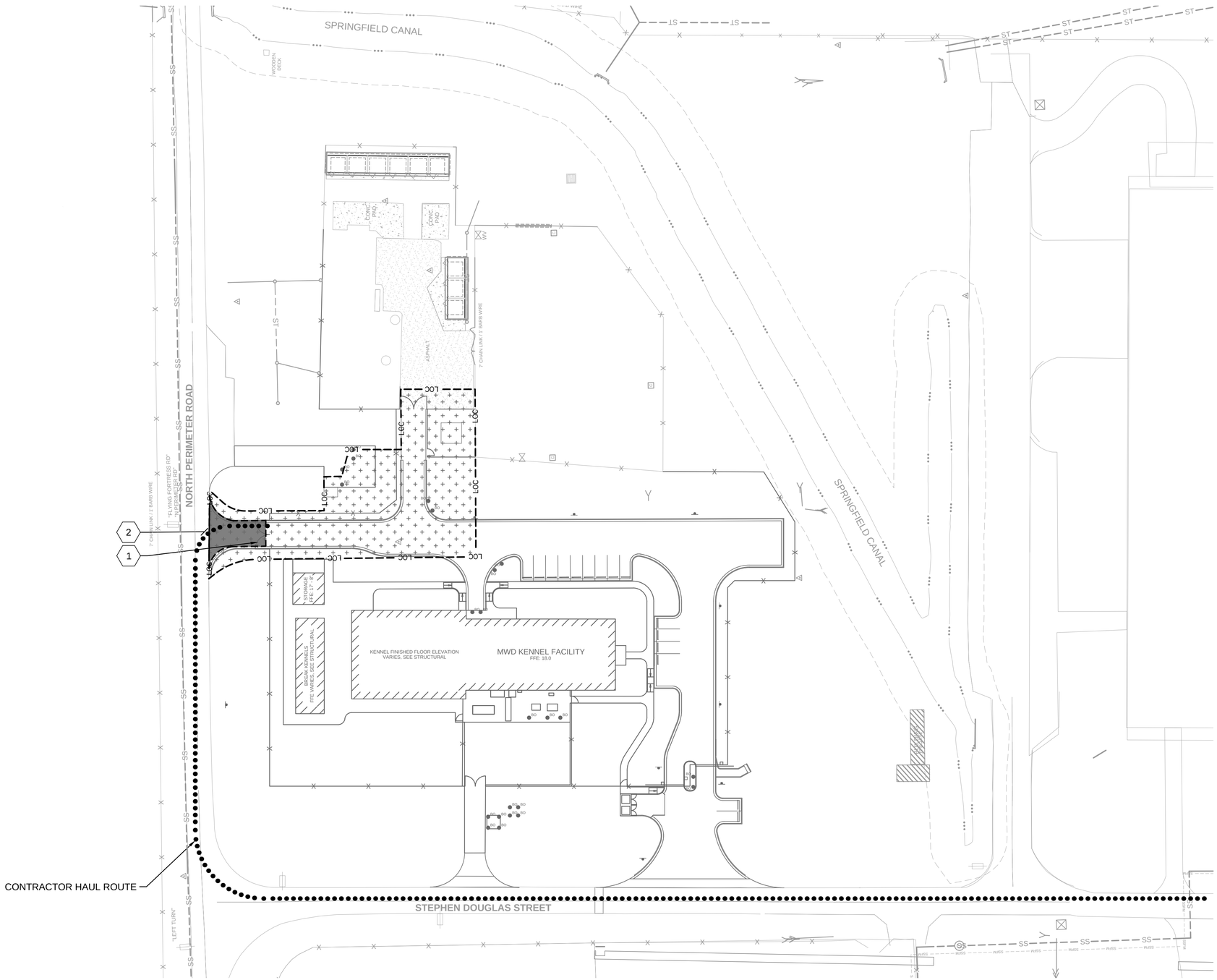

GENERAL NOTES

1. SEE SHEET GC002 FOR GENERAL NOTES.
2. SEE SHEET GC003 FOR ACCESS & SAFETY NOTES.
3. CONTRACTOR SHALL MAINTAIN EMERGENCY VEHICLE ACCESS TO EXISTING BUILDINGS DURING ALL PHASES OF CONSTRUCTION.
4. CONTRACTOR SHALL MAINTAIN VEHICLE/PERSONNEL ACCESS TO THE PROJECT SITE AT ALL TIMES.
5. CONTRACTOR ACCESS WILL BE FROM NORTH PERIMETER ROAD.

PHASING NOTES:

DURING THESE PHASES THE NEWLY CONSTRUCTED KENNEL FACILITY WILL NOT BE OCCUPIED. PERSONNEL AND DOGS MUST BE RELOCATED OFFSITE AT FORT STEWART.

PHASE 5: REMOVE AND REINSTALL CONSTRUCTION ENTRANCE AND TEMPORARY FENCING.

PHASE 6: DEMOLISH EXISTING PAVEMENT. EXCAVATE AND INSTALL SANITARY SEWER LINE AND LIFT STATION

PHASE 7: REPAVE ACCESS ROAD, CONSTRUCT ARMAG PAD, INSTALL SECURITY FENCE AND GATE.

SHEET KEYNOTES

1. DOUBLE SWING GATE — E4 / GC501
2. LANE CLOSURE — A1 / GC501

LEGEND

- GRAVEL CONSTRUCTION ENTRANCE
- INTERMEDIATE PHASE

A1 INTERMEDIATE PHASING PLAN

SCALE 1" = 40'

0 20' 40' 80'

TRUE NORTH

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY:	J. SHEPHERD
DRAWN BY:	B. TSUI
CHECKED BY:	M. PAREDES
SUBMITTED BY:	J. SHEPHERD
SIZE:	ANSI D
ISSUE DATE:	JANUARY, 2026
SOLICITATION NO.:	W912HN-26-B-A003
CONTRACT NO.:	
CATEGORY CODE	141-26
FILENAME:	121450_GC005.dwg

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVENUE
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER army AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN: 69262

INTERMEDIATE PHASING PLAN

SHEET ID
GC005

GEORGIA
JASON T. SHEPHERD
NO. 36672
PROFESSIONAL ENGINEER
1/21/2026

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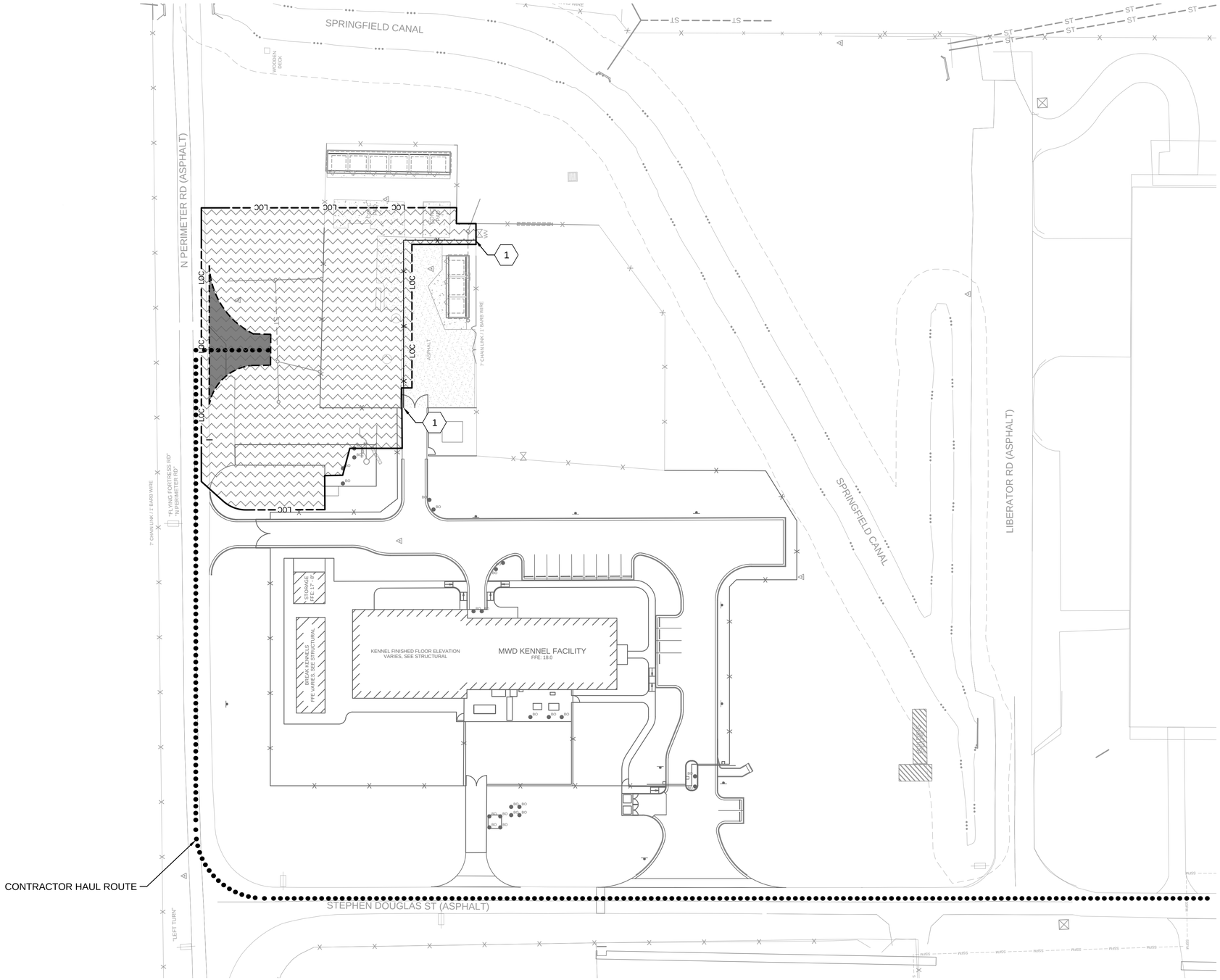

A1 FINAL PHASING PLAN

SCALE 1" = 40'

0 20' 40' 80' TRUE NORTH

GENERAL NOTES

1. SEE SHEET GC002 FOR GENERAL NOTES.
2. SEE SHEET GC003 FOR ACCESS & SAFETY NOTES.
3. CONTRACTOR SHALL MAINTAIN EMERGENCY VEHICLE ACCESS TO EXISTING BUILDINGS DURING ALL PHASES OF CONSTRUCTION.
4. CONTRACTOR SHALL MAINTAIN VEHICLE/PERSONNEL ACCESS TO THE PROJECT SITE AT ALL TIMES.
5. CONTRACTOR ACCESS WILL BE FROM NORTH PERIMETER ROAD.

PHASING NOTES:

DURING THESE PHASES THE NEWLY CONSTRUCTED KENNEL FACILITY WILL BE OPERABLE AND OCCUPIED. BEFORE THE CONTRACTOR CAN BEGIN WORK ON THESE PHASES, THE GOVERNMENT WILL REQUIRE 45 DAYS TO MOVE OUT OF THE EXISTING FACILITY AFTER THE NEW FACILITY IS ACCEPTED.

PHASE 8: REMOVE AND REINSTALL TEMPORARY FENCING.

PHASE 9: DEMOLISH EXISTING BUILDING 1030, PAVEMENT, AND UTILITIES. FINE GRADE AREA AND PERMANENTLY STABILIZE DISTURBED AREAS.

PHASE 10: CONSTRUCT REMAINING PORTION OF THE NEW ACCESS ROAD. MAINTAIN ACCESS ON CURRENT ACCESS ROAD UNTIL NEW ACCESS ROAD IS COMPLETED.

PHASE 11: INSTALL GRAVEL ACCESS ROAD AND BOLLARDS FOR PUMP STATION. INSTALL THE REMAINING SECURITY FENCE AND GATE.

SHEET KEYNOTES

1. TEMPORARY CONSTRUCTION FENCE — E1 / GC501

LEGEND

- GRAVEL CONSTRUCTION ENTRANCE
- FINAL PHASE

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: J. SHEPHERD
DRAWN BY: B. TSUI
CHECKED BY: M. PAREDES
SUBMITTED BY: J. SHEPHERD
SIZE: ANSI D
ISSUE DATE: JANUARY 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE 141-26
FILENAME: 121450_GC006.dwg

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
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SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER army airfield, georgia
SOF MILITARY WORKING DOG KENNEL
FY25, PN: 69262

FINAL PHASING PLAN

SHEET ID
GC006

GEORGIA REGISTERED No. 36572 PROFESSIONAL 1/21/2026 ENGINEER JASON T. SHEPHERD

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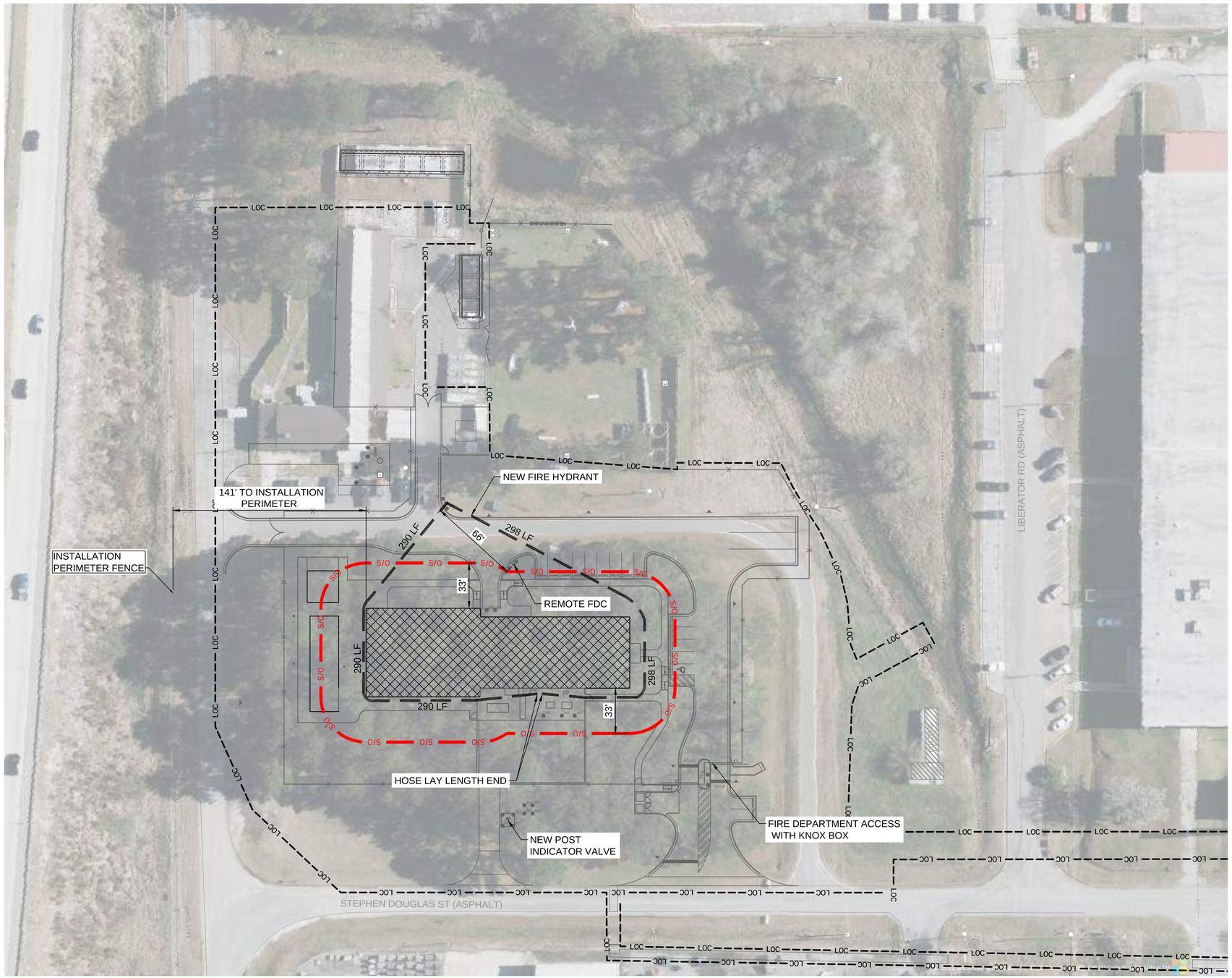

A1 ATFP & CODE COMPLIANCE SITE PLAN

SCALE 1" = 40'

0 20' 40' 80' TRUE NORTH

GENERAL NOTES

1. SEE SHEET GC001 FOR CIVIL LEGEND AND ABBREVIATIONS.
2. SEE SHEET GC002 FOR CIVIL GENERAL NOTES.
3. AERIAL IMAGE PROVIDED BY MICROSOFT CORPORATION, 2022.
4. SCALE IS APPROXIMATE AND PROVIDED FOR REFERENCE ONLY. THIS DRAWING INTENDED FOR GENERAL PLANNING PURPOSES ONLY NOT FOR CONSTRUCTION.
5. ANTITERRORISM STANDARDS FOR BUILDINGS (UFC 4-010-01; JULY 2022)
   - 5.1. BUILDING CATEGORY: LOW OCCUPANCY (SEE HATCHED AREAS)
   - 5.2. BUILDING LOCATION: HUNTER ARMY AIRFIELD; WITHIN CONTROLLED PERIMETER
   - 5.3. EXTERIOR WALL CONSTRUCTION: METAL STUD WALL WITH BRICK VENEER, CMU BLOCK WITH BRICK VENEER
   - 5.4. DESIGN UNOBSTRUCTED SPACE: 33 FEET

LEGEND

PROPOSED FACILITY LOW OCCUPANCY AREA

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

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CHECKED BY: M. PAREDES
SUBMITTED BY: J. SHEPHERD
SIZE: ANSI D
ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE 141-26
FILENAME: 121450_GC007.dwg

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
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SAVANNAH, GA 31401-3640

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HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN: 69262

ATFP & CODE COMPLIANCE SITE PLAN

SHEET ID
GC007

GEORGIA
JASON T. SHEPHERD
No. 36572
PROFESSIONAL ENGINEER
1/21/2026

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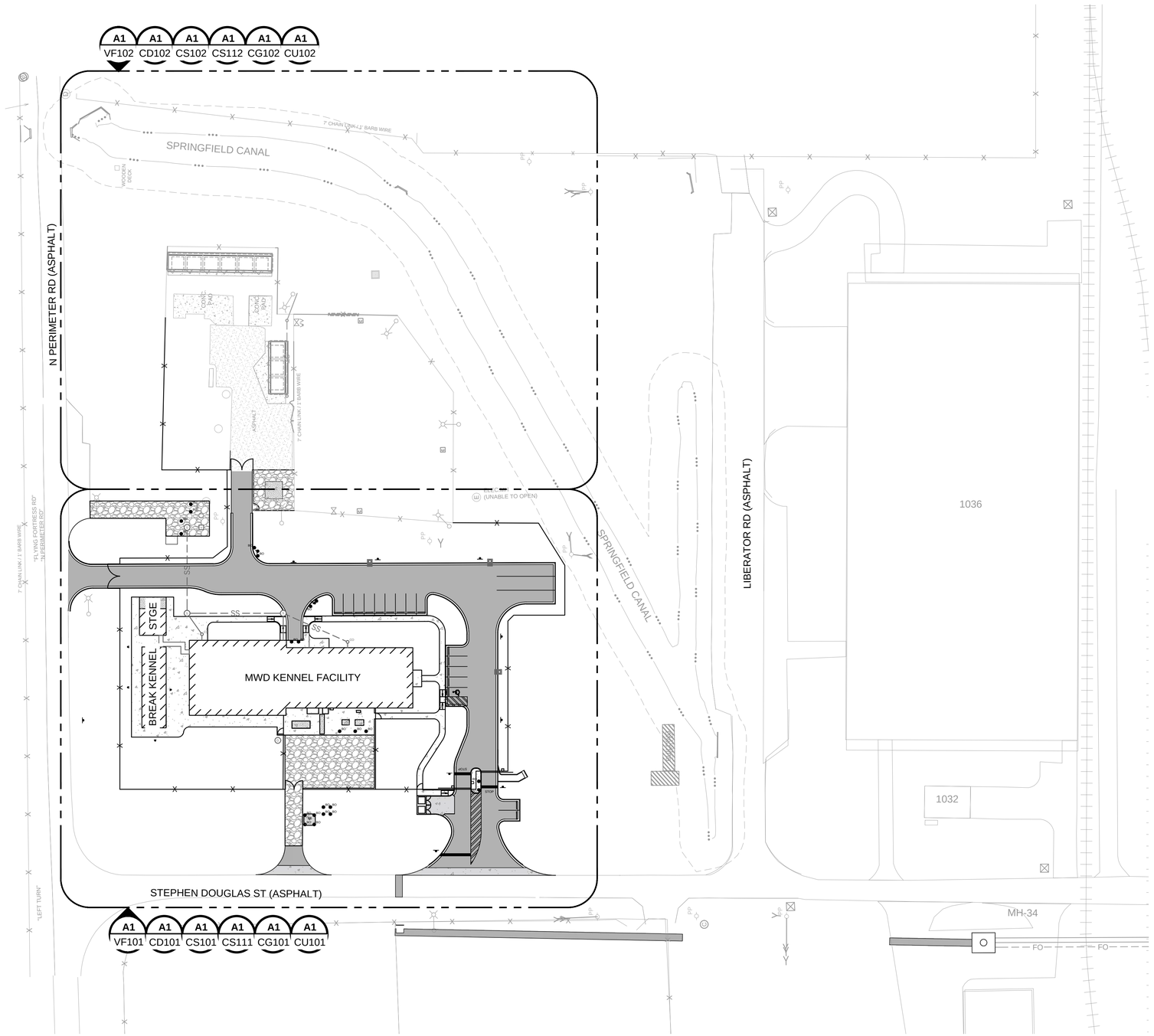
GENERAL NOTES

1. SEE SHEET GC001 FOR CIVIL LEGEND AND ABBREVIATIONS.
2. SEE SHEET GC002 FOR CIVIL GENERAL NOTES.



A1 OVERALL PLAN

SCALE 1" = 50'

0 25' 50' 100'

TRUE NORTH

US Army Corps of Engineers®

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DESIGNED BY:	J. SHEPHERD
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CHECKED BY:	M. PAREDES
SUBMITTED BY:	J. SHEPHERD
SIZE:	ANSI D
ISSUE DATE:	JANUARY, 2026
SOLICITATION NO.:	W912HN-26-B-A003
CONTRACT NO.:	
CATEGORY CODE	141-26
FILENAME:	121450_GC008.dwg

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVENUE
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER army AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN: 69262

OVERALL PLAN

SHEET ID
GC008

GEORGIA REGISTERED
NO. 36672
PROFESSIONAL ENGINEER
1/21/2026
JASON T. SHEPHERD

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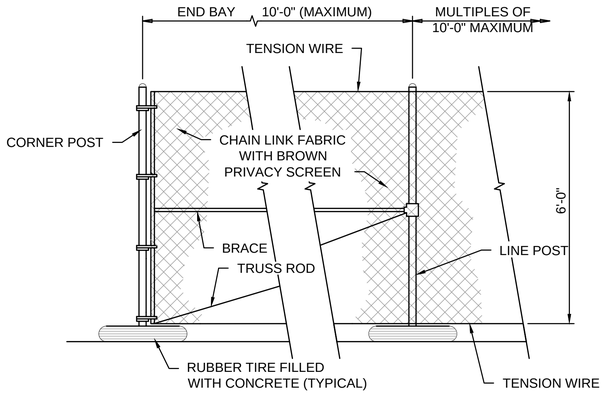
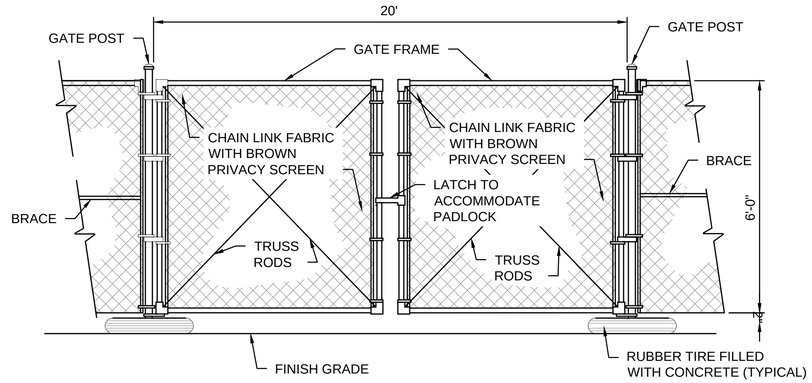
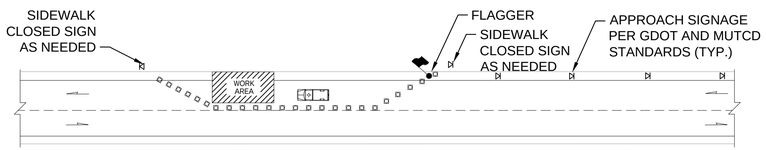


E1 TEMPORARY CONSTRUCTION FENCE
NTS



E4 DOUBLE SWING GATE
NTS



NOTE:
1. CONTRACTOR SHALL SUBMIT CONSTRUCTION TRAFFIC CONTROL PLANS FOR APPROVAL TO OWNER PRIOR TO ROADWAY CLOSURES.
2. ALL CONSTRUCTION BARRICADES, SIGNAGE AND SPACING SHALL MEET GDOT AND MUTCD REQUIREMENTS, SEE GDOT 9102.

A1 LANE CLOSURE
NTS

GEORGIA
JASON T. SHEPHERD
NO. 36672
PROFESSIONAL ENGINEER
1/21/2026

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY:	ISSUE DATE:
J. SHEPHERD	JANUARY, 2026
DRAWN BY:	SOLICITATION NO.:
B. TSUI	W912HN-26-B-A003
CHECKED BY:	CONTRACT NO.:
M. PAREDES	
SUBMITTED BY:	CATEGORY CODE
J. SHEPHERD	141-26
SIZE: FILENAME:	
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U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVENUE
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER army airfield, georgia
SOF MILITARY WORKING DOG KENNEL
FY25, PN: 69262

ACCESS & LAYDOWN DETAILS - 1

SHEET ID
GC501

READY TO ADVERTISE (RTA)

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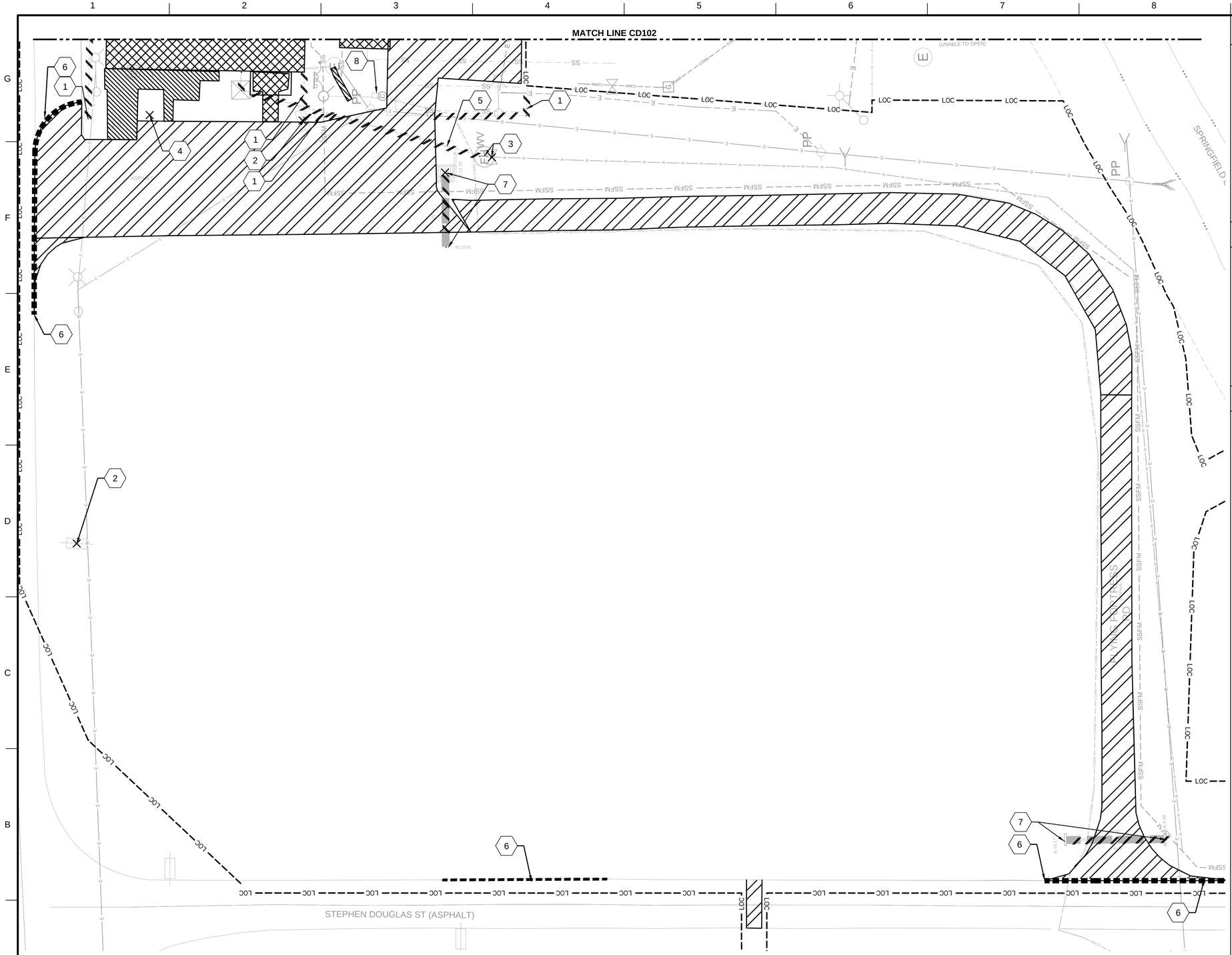

GENERAL NOTES

1. SEE DEMOLITION NOTES ON GC002.
2. GEO-HYDRO ENGINEERS' REPORT OF PRE-DEMOLITION ASBESTOS SURVEY AND LEAD-BASED PAINT SCREEN IS INCLUDED AS PART OF SPECIFICATIONS. CONTRACTOR MUST FOLLOW ALL FEDERAL, STATE, LOCAL, AND SPECIFICATION REQUIREMENTS REGARDING DEMOLITION, HANDLING, AND DISPOSAL OF HAZARDOUS MATERIAL AND HAZARDOUS WASTE.
3. THE WEIGHT (IN TONS) OF ALL MATERIALS TAKEN OFF BASE FOR RECYCLING MUST BE REPORTED TO CLIENT REPRESENTATIVE.
4. CONTRACTOR MUST CLEAR AND GRUB AREA WITHIN THE LIMITS OF CONSTRUCTION PER SPECIFICATION 31 11 00.

LEGEND

- DEMOLISH AND REMOVE ASPHALT PAVEMENT (4" AC / 8" GAB)
- DEMOLISH AND REMOVE SIDEWALK CONCRETE (6" PCC)
- DEMOLISH AND REMOVE BUILDING AND FOUNDATIONS
- DEMOLISH AND REMOVE UTILITY LINE
- SAWCUT PAVEMENT
- DEMOLISH AND REMOVE UTILITY STRUCTURE

SHEET KEYNOTES

1. DEMOLISH AND REMOVE CHAIN LINK FENCE
2. DEMOLISH AND REMOVE SIGN
3. DEMOLISH AND REMOVE FIRE HYDRANT ASSEMBLY
4. DEMOLISH AND REMOVE #2 FUEL OIL BELOW GRADE TANK; BACKFILL EXCAVATION PER SPECIFICATION
5. DEMOLISH AND REMOVE DW SERVICE BACK TO MAIN; REPLACE SERVICE TEE WITH STRAIGHT PIPE (8' MIN)
6. SAWCUT PAVEMENT
7. DEMOLISH AND REMOVE STORM PIPE AND STRUCTURES
8. UNDERGROUND SEPTIC SYSTEM SHALL BE PUMPED OUT AND PROPERLY DISPOSED OF AT A WASTEWATER FACILITY OFFSITE. DEMOLISH AND REMOVE SEPTIC TANK AND DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE LAWS AND REGULATIONS. BACKFILL EXCAVATIONS PER SPECIFICATIONS AND REPLACE PAVEMENT.

A1 DEMOLITION PLAN - 1

SCALE 1" = 20'

0 10' 20' 40'

TRUE NORTH

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US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: J. SHEPHERD
DRAWN BY: B. TSUI
CHECKED BY: M. PAREDES
SUBMITTED BY: J. SHEPHERD
SIZE: ANSI D
ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE 141-26
FILENAME: 121450_CD100.dwg

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVENUE
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

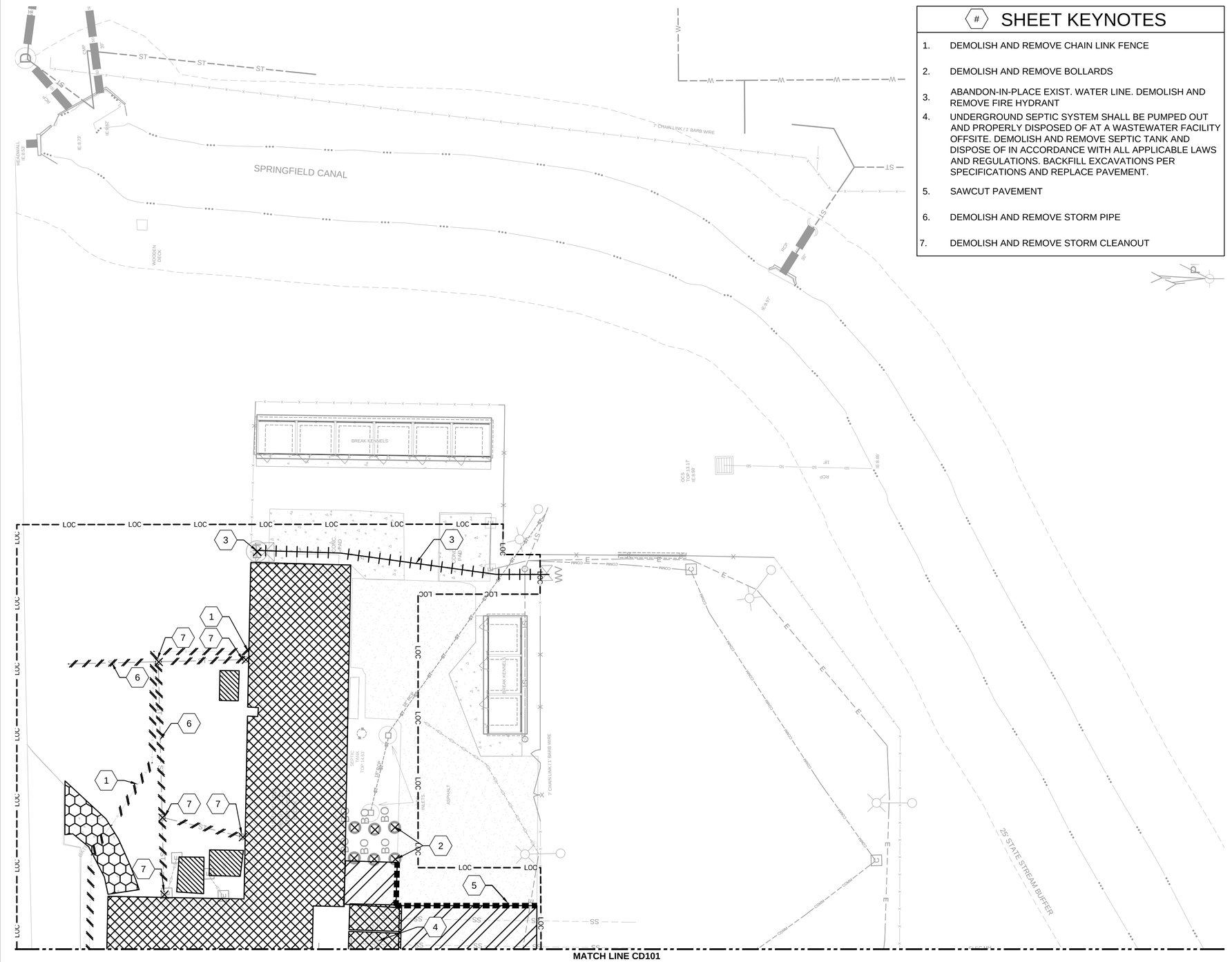
HUNTER army AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN: 69262

DEMOLITION PLAN - 1

SHEET ID
CD101

GEORGIA REGISTERED PROFESSIONAL ENGINEER NO. 39572 1/21/2026 JASON T. SHEPHERD

READY TO ADVERTISE (RTA)


SPRINGFIELD CANAL
7' CHAIN LINK / 1' BARB WIRE
BREAK KENNELS
MEAK KENNELS
25' STATE STREAM BUFFER
MATCH LINE CD101
LOC
SS
ST
W
E
COMM
CMP
RCP
TBR
RCPP
HEADWALL
IE:8.57
IE:8.37
IE:9.62
IE:9.97
IE:9.82
IE:9.86
WOODEN DOCK
ASPHALT
CONC PAD
TOP:13.17
IE:9.66
TOP:13.66
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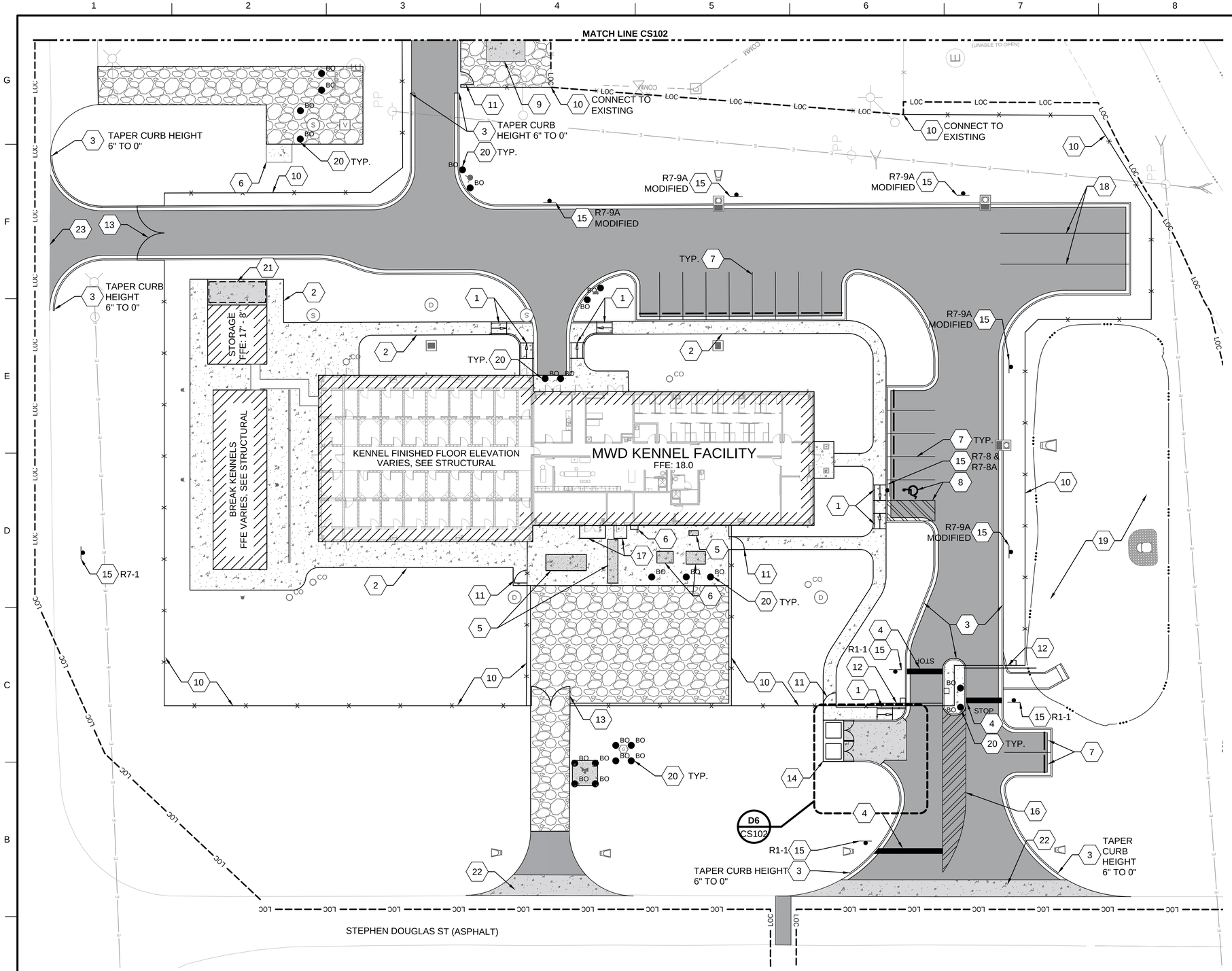

A1 SITE PLAN - 1

SCALE 1" = 20'

GENERAL NOTES

1. SEE NOTES ON CS102.

LEGEND

- ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- SIDEWALK CONCRETE
- GRAVEL SURFACING

(#) SHEET KEYNOTES

1. CONCRETE SIDEWALK ADA RAMP — C4 CS503
2. CONCRETE SIDEWALK — A1 CS503
3. CONCRETE CURB & GUTTER — E7 CS503
4. STOP BAR — D5 CS504
5. MECHANICAL EQUIPMENT PAD; SEE MECHANICAL AND STRUCTURAL DRAWINGS
6. ELECTRICAL EQUIPMENT PAD; SEE ELECTRICAL AND STRUCTURAL DRAWINGS
7. STANDARD PARKING STALL — A5 CS504
8. ADA PARKING STALL — A1 CS504
9. ARMAG (GOVERNMENT PROVIDED; CONTRACTOR INSTALLED). SEE STRUCTURAL DRAWINGS FOR PAD
10. CHAIN LINK FENCE (FE6) — A1 CS507
11. SECURITY PERSONNEL GATE — A7 CS506
12. CANTILEVER SLIDE GATE WITH KNOX BOX — A1 CS508
13. DOUBLE SWING GATE — A1 CS509
14. DUMPSTER PAD AND ENCLOSURE — A1 CS506
15. TRAFFIC SIGN — A1 CS505
16. ROADWAY PAINTED GORE — E5 CS504
17. CONCRETE DOOR STOOP — A4 CS503
18. TRUCK / TRAILER PARKING — E1 CS504
19. DETENTION POND — A1 CU501
20. BOLLARD — E4 CS503
21. MOBILE KENNEL (SHOWN FOR REFERENCE ONLY)
22. PCC ENTRANCE APRON — C7 CS502
23. AC - AC TRANSITION — F7 CS502

US Army Corps of Engineers®

DESCRIPTION	DATE

DESIGNED BY:	J. SHEPHERD
DRAWN BY:	B. TSUI
CHECKED BY:	M. PAREDES
SUBMITTED BY:	J. SHEPHERD
SIZE:	ANSI D
ISSUE DATE:	JANUARY, 2026
SOLICITATION NO.:	W912HN-26-B-A003
CONTRACT NO.:	
CATEGORY CODE	141-26
FILENAME:	121450_CS100.dwg

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVENUE
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER army airfield, georgia
SOF MILITARY WORKING DOG KENNEL
FY25, PN: 69262

SITE PLAN - 1

SHEET ID
CS101

GEORGIA
NO. 36672
PROFESSIONAL ENGINEER
1/21/2026
JASON T. SHEPHERD

READY TO ADVERTISE (RTA)

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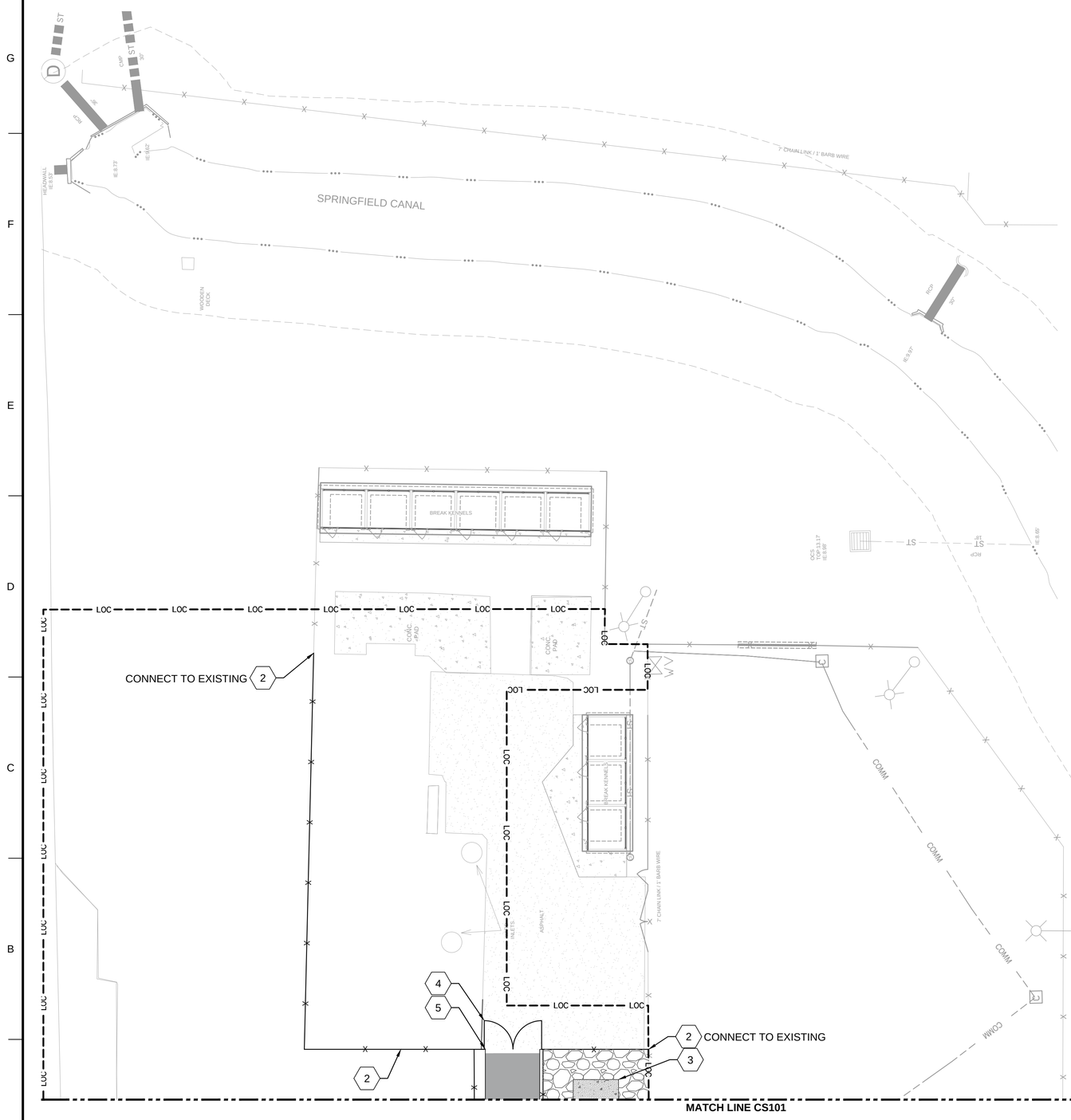
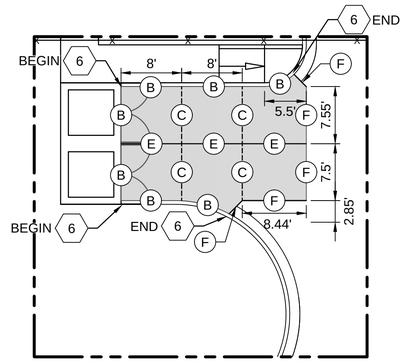


JOINTING LEGEND

B	THICKENED EDGE ISOLATION JOINT	C1 CS501
E	DOWELED CONSTRUCTION JOINT	A1 CS502
C	DOWELED CONTRACTION JOINT	A4 CS502
F	PCC-AC CONSTRUCTION JOINT	A7 CS502
	REINFORCED CONCRETE SLAB	E4 CS501



D6 JOINTING PLAN

SCALE 1" = 10' 0 5' 10' 20' TRUE NORTH

GENERAL NOTES

1. DIMENSIONS ARE IN SURVEY FEET UNLESS OTHERWISE NOTED.
2. SIDEWALKS MUST BE A MINIMUM OF 5 FEET WIDE EXCEPT AT BUILDING ENTRANCES WHERE THE SIDEWALK MUST BE A MINIMUM OF 10 FEET WIDE FOR FACILITY INGRESS AND EGRESS.
3. BUILDING COORDINATES ARE POINTED TO OR MEASURED AT THE OUTSIDE FACE OF BUILDING FOUNDATION. CONTRACTOR MUST COORDINATE BEARINGS OF BUILDING WITH STRUCTURAL DRAWINGS.
4. CONTRACTOR MUST COORDINATE BUILDING ENTRANCES, EGRESSES, WALKWAYS, AND DOORWAY LOCATIONS WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS.
5. SEE STRUCTURAL/MECHANICAL/ELECTRICAL DRAWINGS FOR MISCELLANEOUS SITE EQUIPMENT AND PADS.
6. PARKING STALLS:
   - 6.1. PROPOSED: 19 STALLS (INCLUDES 1 ADA STALL AND 3 TRUCK/TRAILER STALLS)

LEGEND

- ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- GRAVEL SURFACING

SHEET KEYNOTES

1. CONCRETE CURB & GUTTER — E7 CS503
2. CHAIN LINK FENCE (FE6) — A1 CS507
3. ARMAG (GOVERNMENT PROVIDED; CONTRACTOR INSTALLED). SEE STRUCTURAL DRAWINGS FOR PAD
4. DOUBLE SWING GATE — A1 CS509
5. AC - AC TRANSITION — F7 CS502
6. INTEGRAL CURB — D7 CS504

A1 SITE PLAN - 2

SCALE 1" = 20' 0 10' 20' 40' TRUE NORTH

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY:	J. SHEPHERD
DRAWN BY:	B. TSUI
CHECKED BY:	M. PAREDES
SUBMITTED BY:	J. SHEPHERD
SIZE:	ANSI D
ISSUE DATE:	JANUARY, 2026
SOLICITATION NO.:	W912HN-26-B-A003
CONTRACT NO.:	
CATEGORY CODE	141-26
FILENAME:	121450_CS100.dwg

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVENUE
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN: 69262

SITE PLAN - 2

SHEET ID
CS102

GEORGIA REGISTERED NO. 36672 PROFESSIONAL ENGINEER JASON T. SHEPHERD 1/21/2026

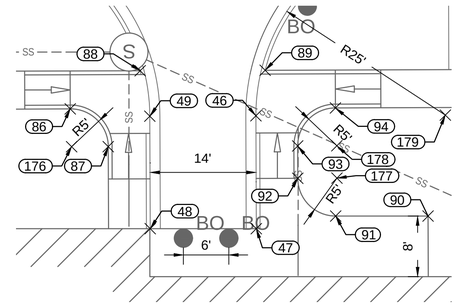
READY TO ADVERTISE (RTA)

Z:\Clients\ANF\USCOE\SaS\143139_HAAFkennelDsn\Design\Civil\Sheets\121450_CS100.dwg

MATCH LINE CS112

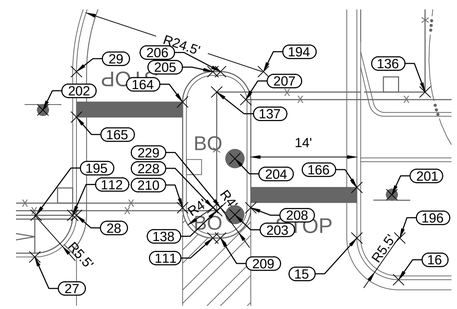
GENERAL NOTES

1. SEE SHEET CS102 FOR GENERAL SITE NOTES.
2. CALLOUTS, COORDINATES, ELEVATIONS, AND DIMENSIONS ARE POINTED TO OR MEASURED TO STRUCTURE CENTER, EDGE OF PAVEMENT, BACK OF CURB, OR OUTSIDE FACE OF FOUNDATION WALL, UNLESS INDICATED OTHERWISE.
3. SEE CS121 FOR STAKING POINT TABLE.



E8 ENLARGED STAKING PLAN

SCALE 1" = 10'



C8 ENLARGED STAKING PLAN

SCALE 1" = 10'

A1 STAKING PLAN - 1

SCALE 1" = 20'

KENNEL FINISHED FLOOR ELEVATION VARIES, SEE STRUCTURAL

MWD KENNEL FACILITY
FFE: 18.0

STORAGE FFE: 17' - 8"

BREAK KENNELS FFE VARIES, SEE STRUCTURAL

C/L SWALE

STEPHEN DOUGLAS ST (ASPHALT)

E8 CS111

C8 CS111

US Army Corps of Engineers®

ISSUE DATE:	JANUARY, 2026
SOLICITATION NO.:	W912HN-26-B-A003
CONTRACT NO.:	
CATEGORY CODE	141-26
FILENAME:	121450_CS110.dwg

DESIGNED BY:	J. SHEPHERD
DRAWN BY:	B. TSUI
CHECKED BY:	M. PAREDES
SUBMITTED BY:	J. SHEPHERD

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVENUE
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER army AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN: 69262

STAKING PLAN - 1

SHEET ID
CS111

READY TO ADVERTISE (RTA)

GEORGIA
No. 36672
PROFESSIONAL ENGINEER
1/21/2026
JASON T. SHEPHERD

Z:\Clients\ANF\USCOE\SaS\143139_HAAFkennelDsn\Design\Civil\Sheets\121450_CS110.dwg

GENERAL NOTES

1. SEE SHEET CS102 FOR GENERAL SITE NOTES.
2. CALLOUTS, COORDINATES, ELEVATIONS, AND DIMENSIONS ARE POINTED TO OR MEASURED TO STRUCTURE CENTER, EDGE OF PAVEMENT, BACK OF CURB, OR OUTSIDE FACE OF FOUNDATION WALL, UNLESS INDICATED OTHERWISE.
3. SEE CS121 FOR STAKING POINT TABLE.

SPRINGFIELD CANAL

7' CHAIN LINK / 1' BARB WIRE

BREAK KENNELS

CONC. PAD

ASPHALT

25' STATE STREAM BUFFER

MATCH LINE CS111

A1 STAKING PLAN - 2

SCALE 1" = 20'

0 10' 20' 40'

TRUE NORTH

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: J. SHEPHERD
DRAWN BY: B. TSUI
CHECKED BY: M. PAREDES
SUBMITTED BY: J. SHEPHERD
SIZE: ANSI D
ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE 141-26
FILENAME: 121450_CS110.dwg

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVENUE
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN: 69262

STAKING PLAN - 2

SHEET ID
CS112

READY TO ADVERTISE (RTA)

GEORGIA REGISTERED NO. 36572 PROFESSIONAL ENGINEER JASON T. SHEPHERD 1/21/2026

Z:\Clients\ANF\USCOE\SaS\143139_HAAFkennelDsn\Design\Civil\Sheets\121450_CS110.dwg

GENERAL NOTES

1. SEE GC002 FOR GENERAL NOTES.
2. SEE SHEET CS111 AND CS112 FOR STAKING POINT PLANS.

POINT TABLE			
POINT #	NORTHING	EASTING	ELEVATION
1	741154.01	976397.07	17.90
2	741169.55	976347.44	18.00
3	741273.86	976380.08	17.93
4	741377.33	976395.28	17.67
5	741356.69	976461.20	17.67
6	741353.70	976470.74	17.67
7	741346.82	976492.69	17.67
8	741240.28	976584.63	14.22
9	741260.00	976521.50	14.66
10	741250.10	976502.74	15.61
11	741015.33	976430.14	15.47
12	741025.79	976396.75	15.48
13	741049.17	976404.08	15.47
14	741080.50	976387.69	16.27
15	741121.94	976255.37	14.96
16	741118.34	976248.48	14.78
17	741105.45	976244.45	15.16
18	741110.83	976227.27	14.81
19	741122.94	976231.06	14.55
20	741130.05	976226.43	14.35
21	741095.20	976173.06	MATCH
22	741226.01	976214.20	MATCH
23	741171.50	976231.33	15.00
24	741178.88	976254.82	15.79
25	741185.82	976257.00	15.93
26	741181.32	976271.36	15.92
27	741163.24	976265.69	15.54
28	741156.35	976269.30	15.75
29	741150.69	976287.39	15.56
30	741146.29	976295.54	15.56
31	741133.66	976311.04	15.72
32	741129.09	976319.53	15.92
33	741125.87	976329.83	16.17
34	741129.47	976336.72	16.36
35	741141.88	976340.60	16.62
36	741126.34	976390.23	16.54
37	741113.45	976386.19	16.17
38	741107.19	976389.47	16.33
39	741105.73	976394.11	16.50
40	741123.21	976435.74	15.66

POINT TABLE			
POINT #	NORTHING	EASTING	ELEVATION
41	741130.26	976432.77	15.95
42	741134.12	976420.29	16.56
43	741211.50	976444.22	16.55
44	741207.63	976456.73	16.30
45	741211.92	976463.18	16.36
46	741238.24	976445.69	17.02
47	741242.64	976431.46	17.54
48	741256.00	976435.65	17.53
49	741251.62	976449.82	17.01
50	741268.12	976481.09	16.00
51	741297.91	976490.31	16.00
52	741310.01	976496.88	16.00
53	741310.32	976497.15	16.00
54	741323.10	976504.32	15.99
55	741401.74	976528.17	15.29
56	741427.93	976515.94	14.11
57	741434.21	976495.41	MATCH
58	741257.47	976590.02	14.35
59	741277.26	976526.83	14.87
60	741296.46	976517.08	15.35
61	741396.50	976548.00	14.44
62	741386.05	976586.59	MATCH
63	741205.85	976573.86	13.92
64	741258.76	976590.43	MATCH
65	741253.38	976606.05	MATCH
66	741279.60	976231.11	MATCH
67	741294.66	976244.34	15.36
68	741341.54	976250.83	MATCH
69	741321.62	976252.90	15.41
70	741310.14	976267.02	15.78
71	741281.12	976364.22	0.00
72	741280.64	976309.91	16.34
73	741221.79	976291.48	16.12
74	741208.12	976335.11	0.00
75	741203.95	976348.43	17.32
76	741281.66	976358.11	0.00
77	741358.21	976389.42	17.47
78	741364.26	976386.68	17.33
79	741370.20	976383.99	17.20
80	741408.43	976395.97	17.27

POINT TABLE			
POINT #	NORTHING	EASTING	ELEVATION
81	741372.35	976511.17	16.32
82	741337.63	976500.29	16.84
83	741342.64	976484.29	17.51
84	741317.69	976466.05	17.79
85	741311.44	976469.33	17.70
86	741261.36	976453.88	17.58
87	741258.06	976447.63	17.75
88	741251.04	976455.93	17.33
89	741235.28	976451.05	17.39
90	741220.52	976426.27	17.47
91	741232.15	976429.92	17.78
92	741235.43	976436.16	17.69
93	741234.17	976440.24	17.53
94	741227.92	976443.54	17.27
95	741134.92	976414.79	16.82
96	741128.34	976402.25	17.14
97	741137.79	976372.07	17.14
98	741144.05	976368.79	17.33
99	741152.47	976376.32	17.70
100	741156.76	976362.64	17.70
101	741145.55	976364.02	17.33
102	741142.27	976357.75	17.14
103	741146.97	976341.06	17.13
104	741153.72	976337.93	17.13
105	741151.93	976326.90	17.04
106	741153.51	976321.86	16.99
107	741156.68	976317.15	16.94
108	741177.32	976300.04	16.90
109	741183.64	976290.62	16.90
110	741188.78	976274.22	16.81
111	741140.07	976261.05	15.34
112	741156.83	976269.45	16.24
113	741323.78	976566.95	MATCH
114	741328.38	976552.39	13.71
115	741292.54	976541.17	MATCH
116	741283.49	976570.06	13.99
117	741295.26	976313.44	16.26
118	741297.17	976314.04	16.23
119	741431.40	976356.08	15.95
120	741379.04	976523.25	15.53

POINT TABLE			
POINT #	NORTHING	EASTING	ELEVATION
121	741371.87	976546.15	15.63
122	741295.30	976522.35	15.94
123	741280.53	976527.86	15.38
124	741261.01	976591.12	MATCH
125	741239.66	976584.44	MATCH
126	741239.25	976584.31	MATCH
127	741249.70	976550.92	14.62
128	741216.22	976540.43	13.85
129	741314.65	976607.92	MATCH
130	741272.48	976732.20	MATCH
131	741088.74	976489.44	MATCH
132	741018.57	976467.12	MATCH
133	741007.82	976425.63	15.06
134	741020.65	976384.66	14.58
135	741062.65	976397.82	15.64
136	741107.59	976271.07	14.25
137	741133.84	976279.29	15.18
138	741138.52	976264.35	15.37
139	741221.14	976290.23	16.06
140	741200.77	976212.98	14.43
141	741116.96	976186.73	13.56
142	741222.86	976552.98	15.00
143	741218.37	976567.30	15.00
144	741247.91	976556.64	14.51
145	741274.21	976361.88	0.00
146	741257.33	976363.20	0.00
147	741257.95	976369.89	17.46
148	741246.92	976371.66	17.95
149	741243.77	976370.67	17.95
150	741240.49	976364.41	17.44
151	741252.78	976350.05	0.00
152	741243.87	976365.12	0.00
153	741232.20	976351.77	17.26
154	741224.78	976354.25	17.34
155	741220.01	976352.75	17.33
156	741214.35	976345.74	17.22
157	741235.73	976347.20	17.13
158	741213.94	976340.37	17.11
159	741229.95	976498.49	16.55
160	741159.96	976479.07	16.11

POINT TABLE			
POINT #	NORTHING	EASTING	ELEVATION
161	741075.75	976453.24	14.94
162	741315.18	976550.36	MATCH
163	741301.58	976566.01	MATCH
164	741138.52	976279.38	15.29
165	741152.48	976281.66	15.62
166	741119.94	976261.75	14.95
167	741187.09	976279.60	16.90
168	741162.14	976203.96	14.09
169	741145.00	976228.58	14.68
170	741407.57	976509.56	15.32
171	741390.59	976567.11	MATCH
172	741291.59	976531.27	MATCH
173	741287.57	976523.74	15.37
174	741333.47	976470.89	17.54
175	741245.67	976517.07	15.07
176	741262.67	976449.06	17.41
177	741230.49	976434.65	17.58
178	741229.23	976438.72	17.42
179	741214.36	976438.30	16.85
180	741275.50	976457.21	17.28
181	741212.41	976458.21	16.89
182	741125.48	976431.29	16.40
183	741139.13	976404.58	17.12
184	741111.96	976390.97	16.78
185	741056.64	976380.22	11.29
186	741142.40	976373.52	17.32
187	741146.88	976359.21	17.32
188	741152.06	976342.66	17.22
189	741156.54	976328.35	17.09
190	741162.89	976324.80	16.95
191	741130.95	976331.43	16.76
192	741153.43	976327.15	17.07
193	741164.40	976284.60	16.43
194	741127.14	976280.02	15.01
195	741161.44	976270.90	16.32
196	741116.53	976253.69	15.47
197	741183.20	976240.47	15.18
198	741210.90	976261.87	14.92
199	741080.21	976220.77	MATCH
200	741312.92	976464.56	16.77

POINT TABLE			
POINT #	NORTHING	EASTING	ELEVATION
201	741115.82	976259.45	15.54
202	741156.42	976283.88	16.21
203	741136.38	976263.13	15.33
204	741134.17	976270.19	15.22
205	741133.51	976282.01	15.18
206	741132.56	976281.71	15.16
207	741130.47	976277.19	15.09
208	741134.10	976263.38	15.27
209	741139.12	976260.75	15.32
210	741142.69	976266.07	15.46
211	741192.72	976243.52	15.02
212	741193.58	976258.90	16.80
213	741264.67	976281.44	15.41
214	741333.79	976274.61	13.84
215	741271.85	976254.89	14.13
216	741099.66	976314.80	16.58
217	741078.18	976383.38	16.74
218	741359.70	976384.64	17.31
219	741368.79	976388.79	17.35
220	741257.86	976512.54	15.58
221	741443.78	976422.25	MATCH
222	741244.37	976547.39	14.03
223	741232.35	976525.43	13.51
224	741164.86	976494.18	12.01
225	741221.17	976460.30	17.05
226	741227.44	976457.44	17.19
227	741280.65	976277.08	15.31
228	741138.88	976264.87	15.37
229	741137.92	976264.57	15.35
230	741068.92	976394.54	16.10
231	741222.92	976343.18	17.12
232	741288.10	976360.12	17.29
233	741286.01	976366.80	17.47

A1 STAKING POINTS TABLE - 1

NTS

GEORGIA REGISTERED NO. 36672 PROFESSIONAL 1/21/2026 ENGINEER JASON T. SHEPHERD

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: J. SHEPHERD
DRAWN BY: B. TSUI
CHECKED BY: M. PAREDES
SUBMITTED BY: J. SHEPHERD
ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE 141-26
SCALE: AS NOTED
FILENAME: 121450_CS110.dwg
ANSI D

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVENUE
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

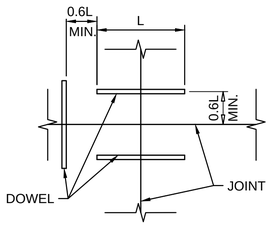
HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN: 69262

STAKING POINTS TABLE - 1

SHEET ID
CS121

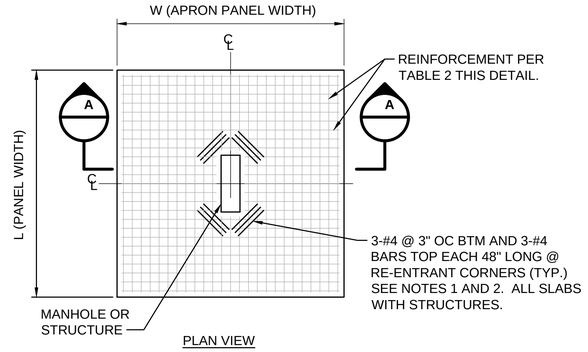
READY TO ADVERTISE (RTA)

Z:\Clients\ANF\USCOE\SaS\143139_HAAFkennelDsn\Design\Civil\Sheets\121450_CS110.dwg



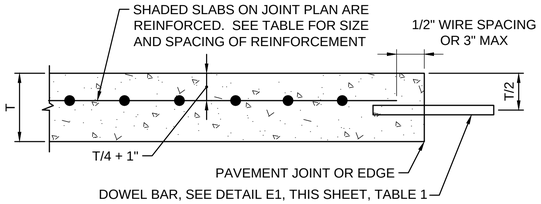
DOWEL BAR SIZE -TABLE 1			
THICKNESS OF SLAB (T)	DIAM	LENGTH	SPACING
8.5" - 11.5"	1"	16"	12"

NOTES:
1. WHEN DOWELED JOINTS ARE REQUIRED BETWEEN PAVEMENTS OF DIFFERING THICKNESS, THE DOWELS SHALL BE SIZED FOR THE THINNER SECTION, AND PLACED AT T/2 ± D/2 OF THE THINNER PAVEMENT.
2. SEE DETAIL F1/SHEET CS502 FOR DOWEL BAR PLACEMENT AT FILLETS.



PLAN VIEW

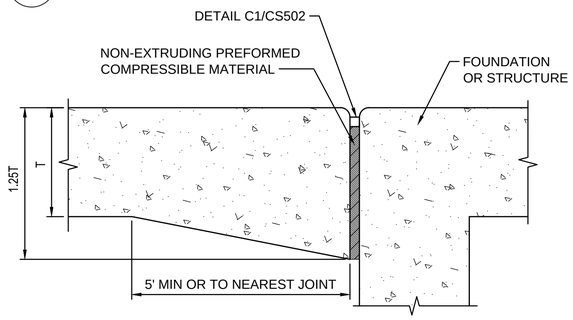
REINFORCEMENT TABLE 2		
PAVEMENT THICKNESS (INCHES)	MINIMUM REQUIRED AREA OF STEEL (SQ. INCHES/FOOT)	WELDED WIRE FABRIC
9 - 12	0.072	6x6-W4.0xW4.0



SECTION A-A

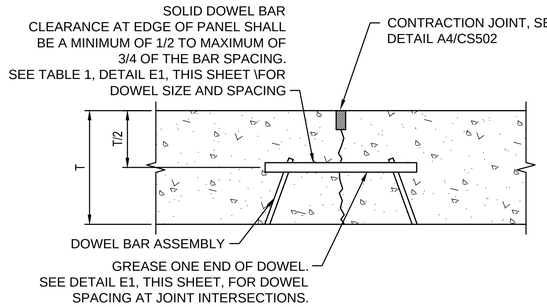
NOTES:
1. USE FOR ALL CONCRETE SLABS WITH SHADING AND FOR THOSE THAT CONTAIN STRUCTURES. OTHER WELDED WIRE FABRIC SIZES MAY BE USED PROVIDED THE STEEL AREA (SQUARE INCHES PER FOOT) IN THE LONGITUDINAL AND TRANSVERSE DIRECTIONS IS EQUAL TO OR EXCEEDS THAT SHOWN IN TABLE 2.
2. WELDED WIRE FABRIC SHALL BE OVERLAPPED FOR A DISTANCE EQUAL TO AT LEAST ONE SPACING OF THE WIRE IN THE FABRIC OR 32 WIRE DIAMETERS, WHICHEVER IS GREATER. THE WIRES IN THE LAP SHALL BE WIRED OR OTHERWISE SECURELY FASTENED TO PREVENT SEPARATION DURING CONCRETE PLACEMENT.
3. PROVIDE 3" SEPARATION BETWEEN REINFORCEMENT AND EDGE OF SLAB.

E1 DOWEL BAR PLACEMENT AT JOINT INTERSECTION
NTS

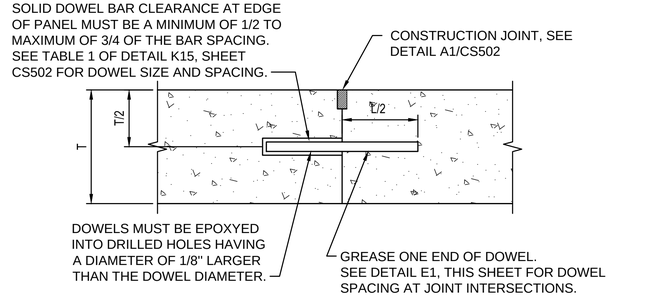


C1 THICKENED EDGE ISOLATION JOINT
NTS

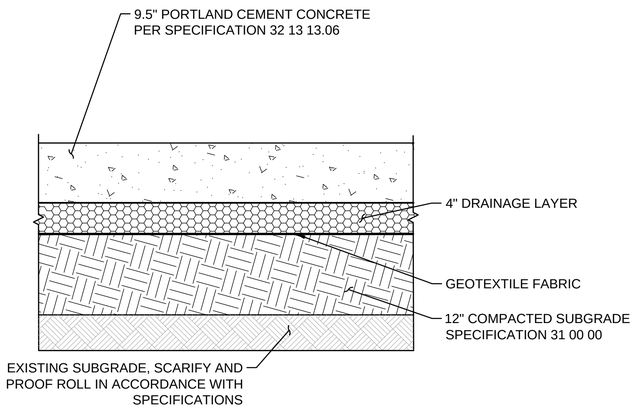
E4 TYPICAL CONCRETE SLAB REINFORCEMENT
NTS



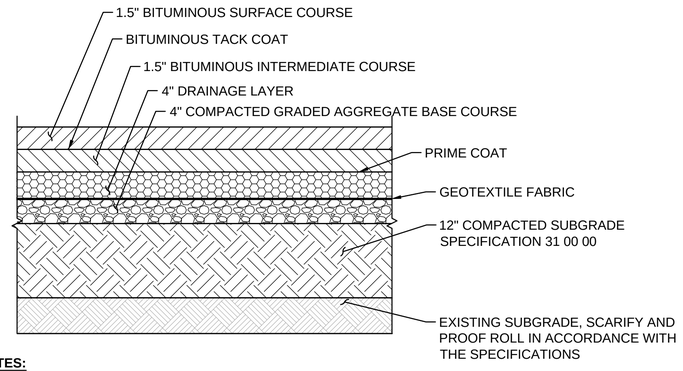
C4 DOWELED CONTRACTION JOINT
NTS



C7 DUMMY CONTRACTION JOINT
NTS

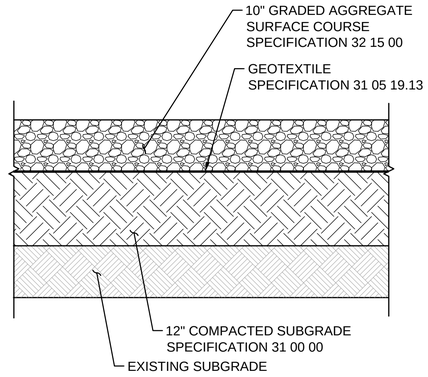


A1 CONCRETE PAVEMENT
NTS



NOTES:
1. SEE PLANS FOR UNDER DRAIN LOCATION, ONLY PLACE UNDER DRAIN WHERE SHOWN IN PLAN VIEW.

A4 HEAVY DUTY ASPHALT PAVEMENT
NTS



A7 AGGREGATE SURFACING
NTS

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY:	J. SHEPHERD
DRAWN BY:	B. TSUI
CHECKED BY:	M. PAREDES
SUBMITTED BY:	J. SHEPHERD
SIZE: ANSI D	FILENAME: 121450_CS500.dwg
ISSUE DATE:	JANUARY, 2026
SOLICITATION NO.:	W912HN-26-B-A003
CONTRACT NO.:	
CATEGORY CODE	141-26

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVENUE
SAVANNAH, GA 31401-3640

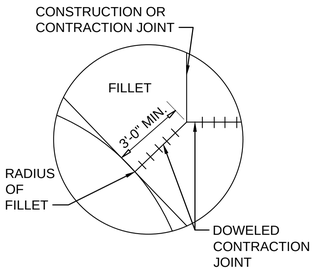
BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN: 69262

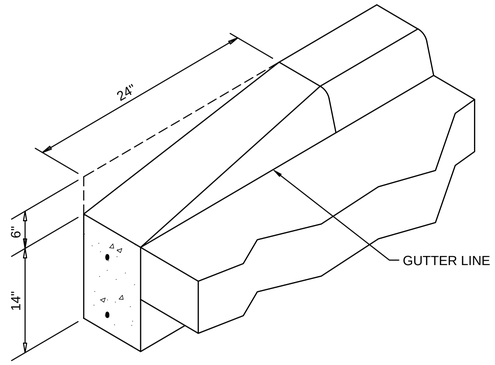
SITE DETAILS - 1

SHEET ID
CS501

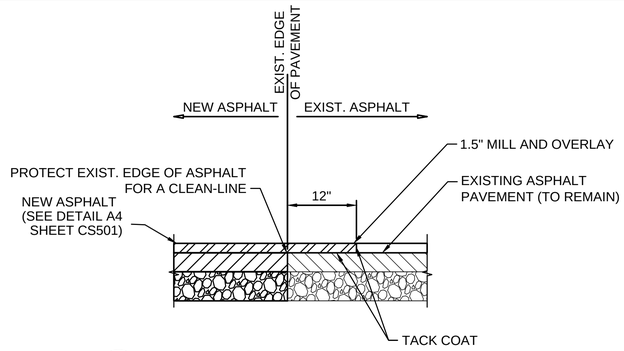
READY TO ADVERTISE (RTA)



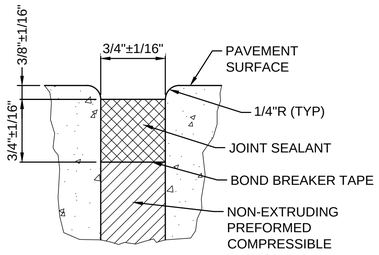
F1 DOWEL BAR PLACEMENT AT FILLETS
NTS



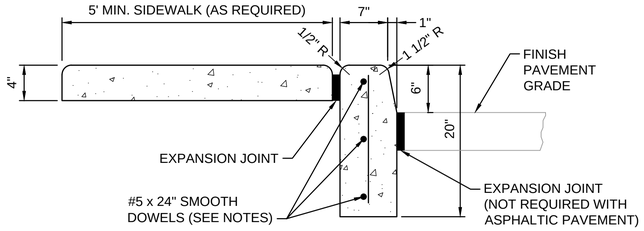
6" HEADER CURB TAPER END



F7 AC - AC TRANSITION
NTS



C1 EXPANSION JOINT
NTS

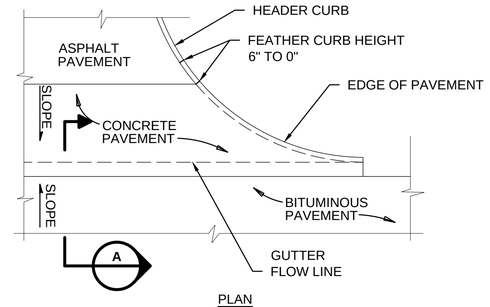


NOTES:

1. PLACE 3/4" EXPANSION JOINTS WITH 24" DOWELS AT RADIUS POINTS OR A MAXIMUM OF 60' ON STRAIGHT SECTIONS. THESE DOWELS SHALL BE GREASED AND WRAPPED ON ONE END WITH EXPANSION TUBES.
2. INSTALL 1 1/2" DEEP CONTRACTION JOINTS AT APPROXIMATELY 15' INTERVALS. THESE JOINTS SHALL PASS THROUGH THE ENTIRE CURB SECTION.
3. FORM NOT REQUIRED BELOW GRADE.
4. CONCRETE PER SPECIFICATION 32 16 19.

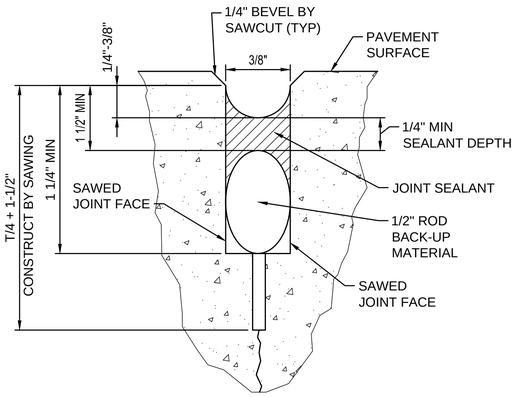
C4 HEADER CURB
NTS

SECTION A

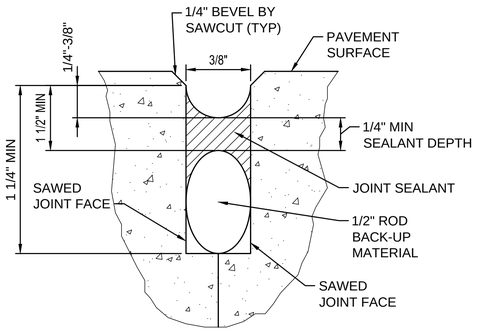


PLAN

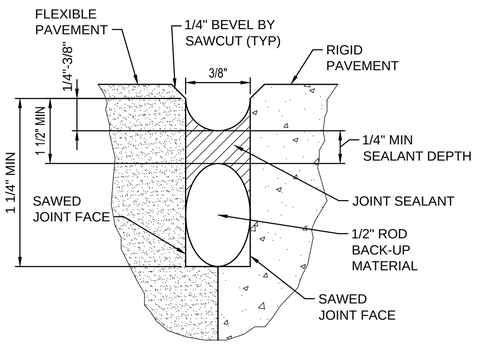
C7 PCC ENTRANCE APRON
NTS



A4 CONTRACTION JOINT
NTS



A1 CONSTRUCTION JOINT
NTS



A7 PCC-AC CONSTRUCTION JOINT
NTS

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY:	J. SHEPHERD
DRAWN BY:	B. TSUI
CHECKED BY:	M. PAREDES
SUBMITTED BY:	J. SHEPHERD
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U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
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SAVANNAH, GA 31401-3940

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

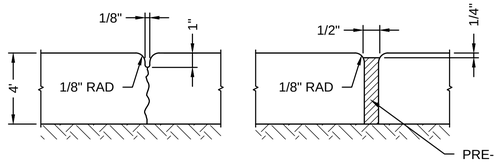
HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN: 69262

SITE DETAILS - 2

SHEET ID
CS502

GEORGIA REGISTERED
JASON T. SHEPHERD
NO. 36672
PROFESSIONAL ENGINEER
1/21/2026

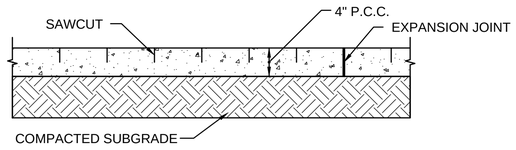
READY TO ADVERTISE (RTA)



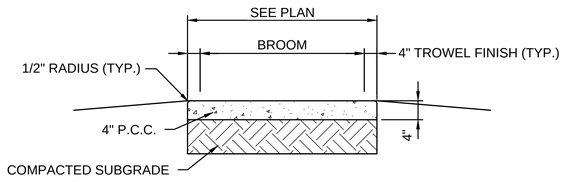
SAW JOINT EXPANSION JOINT

NOTES:
1. SAW JOINTS TO BE LOCATED TO MAINTAIN AN APPROXIMATE SQUARE SLAB AS INDICATED ON PLANS.
2. EXPANSION JOINTS TO BE LOCATED WHERE WALK ABUTS CONCRETE CURBS, DRIVES, STRUCTURES AND WHERE WALK CHANGES DIRECTION.

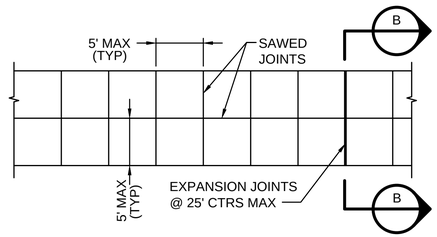
TYPICAL SIDEWALK JOINT DETAIL



SECTION A



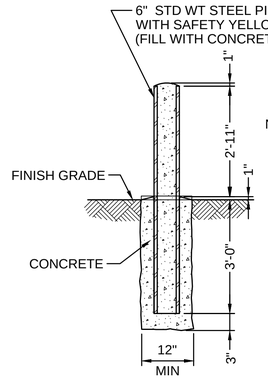
SECTION B



PLAN

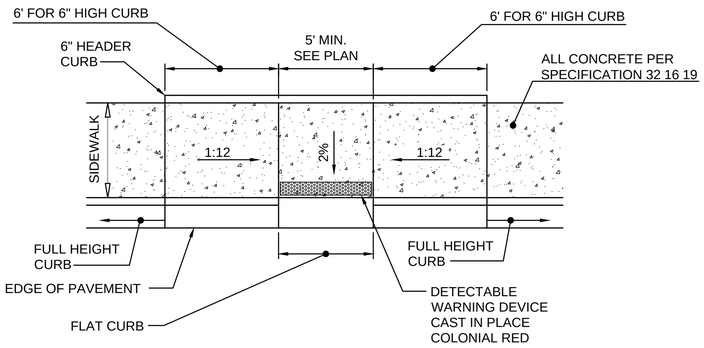
NOTES:
1. BROOM FINISH SHALL BE APPLIED NORMAL TO DIRECTION OF TRAFFIC.
2. SIDEWALK SHALL BE CONSTRUCTED IN ACCORDANCE WITH SPECIFICATION 32 16 19.

A1 CONCRETE SIDEWALK
NTS

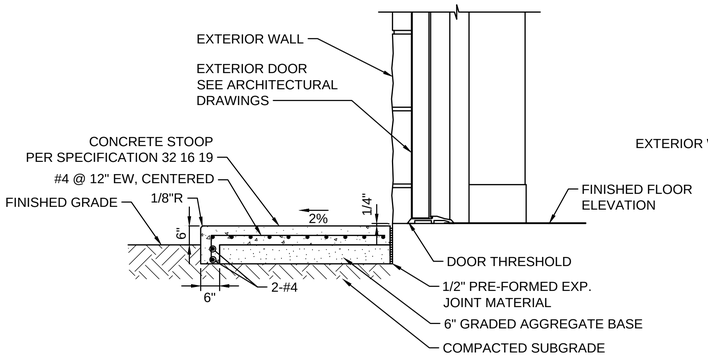


NOTES:
1. PREPARE SURFACE IN FIELD BY SSPC-SP3 METHODS TO SSPC-SP6 QUALITY AND 1.0 MIL. MINIMUM PROFILE DEPTH. FIRST COAT IS TO BE ALKYD PRIMER AT MINIMUM 40% SOLIDS BY VOLUME. APPLIED AT 2 MILS DRY. SECOND AND THIRD COATS ARE TO BE ALKYD GLOSS ENAMEL MINIMUM 40% SOLIDS BY VOLUME. EACH COAT APPLIED AT 1.5 MILS DRY. OTAL COATING 5 MIL. MINIMUM DRY FILM.
2. CONCRETE PER SPECIFICATION 32 16 19
3. BOLLARD PER SPECIFICATION 12 93 00

E4 BOLLARD
NTS



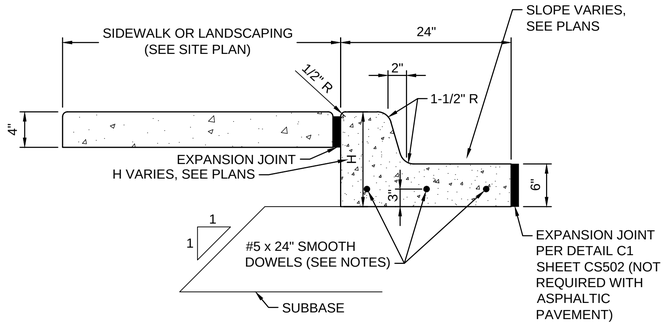
C4 CONCRETE SIDEWALK ADA RAMP
NTS



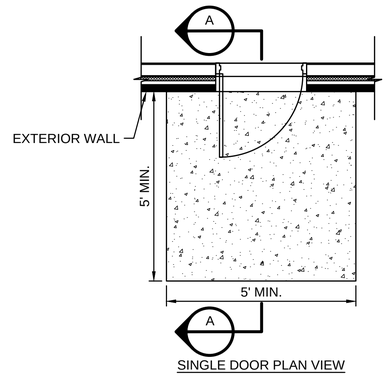
SECTION A

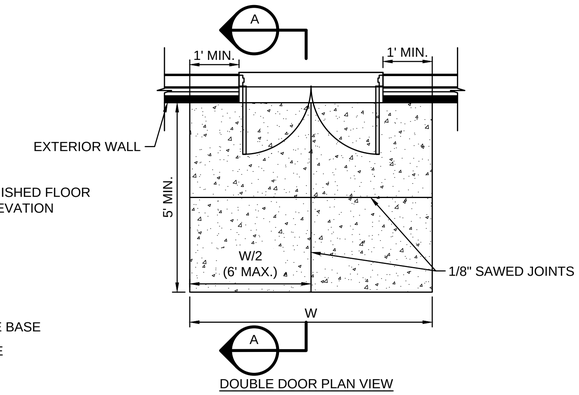
A4 CONCRETE DOOR STOOP
NTS

NOTES:
1. PLACE 3/4" EXPANSION JOINTS WITH 24" DOWELS AT RADIUS POINTS OR A MAXIMUM OF 60' ON STRAIGHT SECTIONS. THESE DOWELS MUST BE GREASED AND WRAPPED ON ONE END WITH EXPANSION TUBES.
2. INSTALL 1 1/2" DEEP CONTRACTION JOINTS PER DETAIL A4 SHEET CS502 AT APPROXIMATELY 15' INTERVALS. THESE JOINTS MUST PASS THROUGH THE ENTIRE CURB SECTION.
3. FIX DOWELS WITH BAR CHAIRS OR EQUAL.
4. CONCRETE PER SPECIFICATION SECTION 32 16 19.



E7 CONCRETE CURB & GUTTER
NTS





US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: J. SHEPHERD	ISSUE DATE: JANUARY, 2026
DRAWN BY: B. TSUI	SOLICITATION NO.: W912HN-26-B-A003
CHECKED BY: M. PAREDES	CONTRACT NO.:
SUBMITTED BY: J. SHEPHERD	CATEGORY CODE 141-26
SIZE: ANSI D	FILENAME: 121450_CS500.dwg

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVENUE
SAVANNAH, GA 31401-3640

BURNS McDONNELL
8400 WARD PARKWAY KANSAS CITY, MO 64114

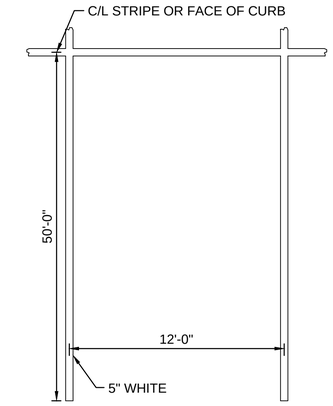
HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY'25, PN: 69262

SITE DETAILS - 3

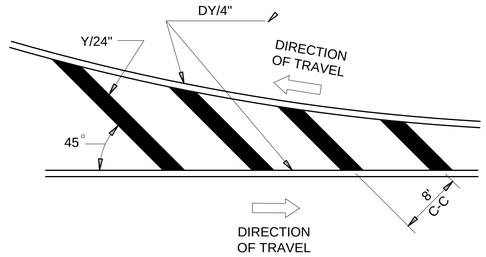
SHEET ID
CS503

GEORGIA REGISTERED
No. 36572
PROFESSIONAL
1/21/2026
ENGINEER
JASON T. SHEPHERD

READY TO ADVERTISE (RTA)

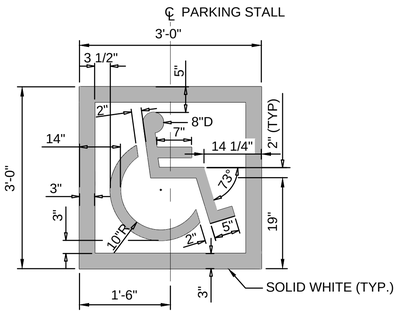


E1 TRUCK/TRAILER PARKING
NTS

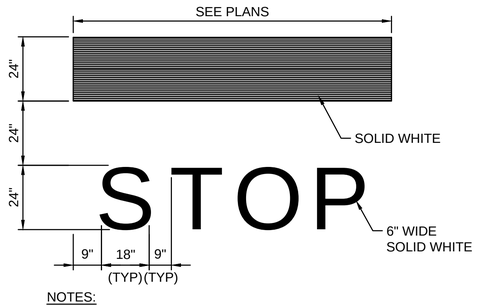


NOTES:
1. PAVEMENT MARKINGS TO BE IN ACCORDANCE WITH GDOT T-14.

E5 ROADWAY PAINTED GORE
NTS

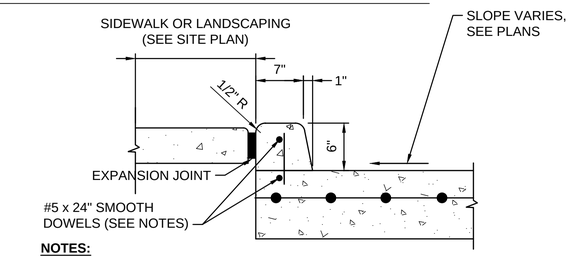


D1 ACCESSIBLE PARKING SPACE INSIGNIA
NTS



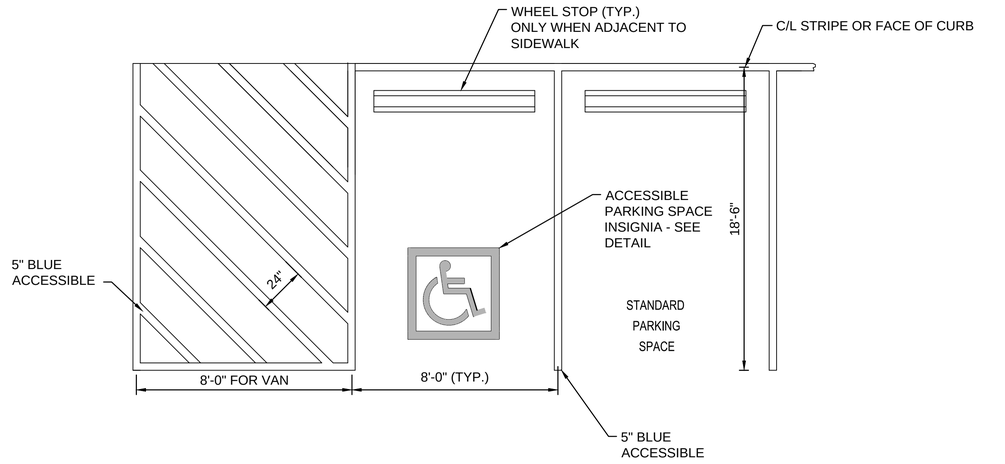
NOTES:
1. STOP BAR AND ALL LETTER SHALL BE THERMOPLASTIC AND COMPLY WITH GDOT T-11A.

D5 STOP BAR
NTS

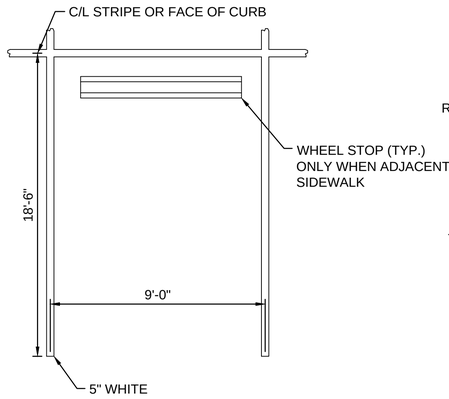


NOTES:
1. PLACE 3/4" EXPANSION JOINTS WITH 24" DOWELS AT RADIUS POINTS OR A MAXIMUM OF 60' ON STRAIGHT SECTIONS. THESE DOWELS SHALL BE GREASED AND WRAPPED ON ONE END WITH EXPANSION TUBES.
2. INSTALL 1 1/2" DEEP CONTRACTION JOINTS AT APPROXIMATELY 15' INTERVALS. THESE JOINTS SHALL PASS THROUGH THE ENTIRE CURB SECTION.
3. FORM NOT REQUIRED BELOW GRADE.
4. CONCRETE PER SPECIFICATION 32 16 19.

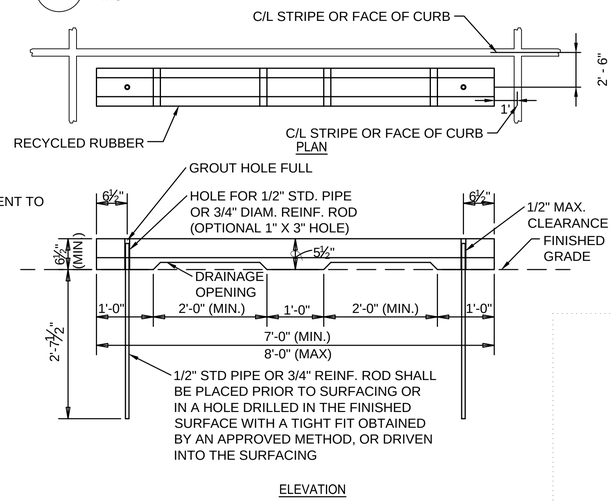
D7 INTEGRAL CURB
NTS



A1 ADA PARKING STALL
NTS



A5 STANDARD PARKING STALL
NTS



A7 WHEEL STOP
NTS

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: J. SHEPHERD
DRAWN BY: B. TSUI
CHECKED BY: M. PAREDES
SUBMITTED BY: J. SHEPHERD
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ISSUE DATE: JANUARY, 2026
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HUNTER army AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY'25, PN: 69262

SITE DETAILS - 4

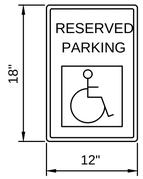
SHEET ID
CS504

READY TO ADVERTISE (RTA)

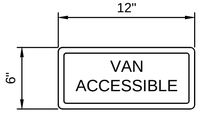
SIGN R7-1

SIGN R7-9A MODIFIED

SIGN R1-1 (24" OCT)



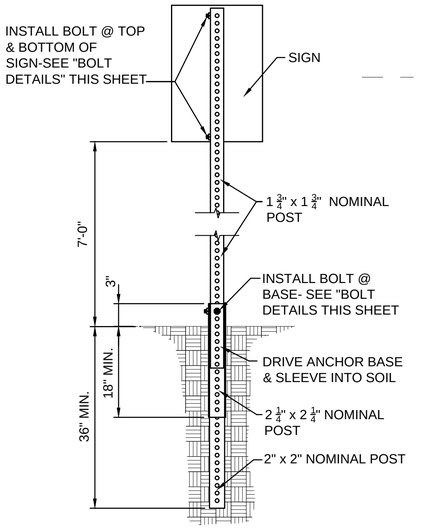
SIGN R7-8

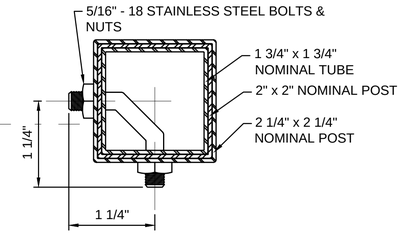


SIGN R7-8A (12" X 6")

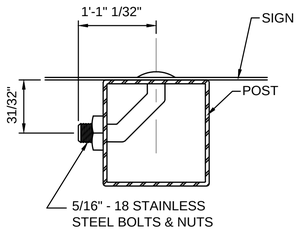
NOTES

1. SIGN SHALL BE WHITE WITH BLACK LETTERING.





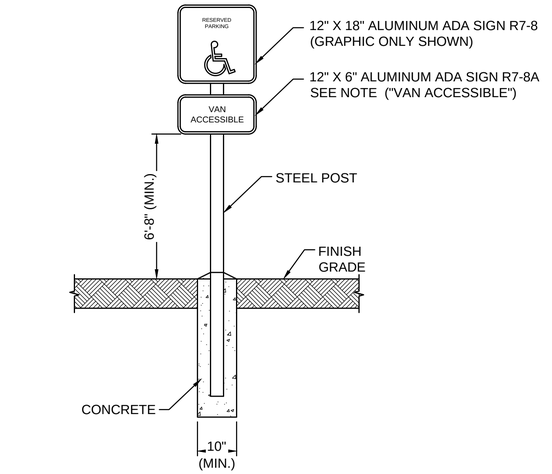
BOLT @ SLEEVE BASE



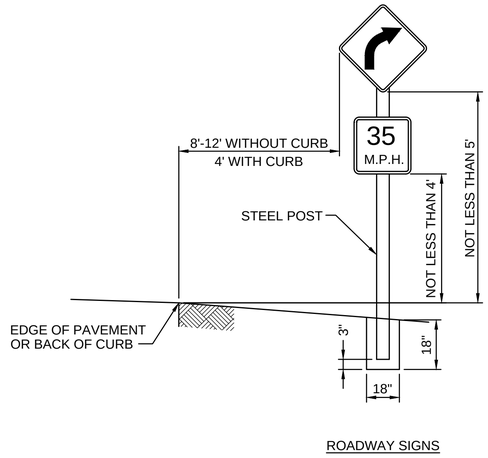
BOLT @ SIGN

NOTES

1. DECORATIVE SIGN BASED ON BRANDON INDUSTRIES DECORATIVE SIGNS. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. SIGN POST SHALL BE YIELDING BREAKAWAY TYPE.
3. SIGN POST, ANCHOR BASE & SLEEVE SHALL BE INSTALLED PLUMB
4. ALL SIGNS SHALL CONFORM TO THE CURRENT EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".
5. HANDICAPPED SIGNS SHALL BE 0.080 GAUGE ALUMINUM. SIGNS SHALL CONFORM TO ASTM B209, ALLOY 6061-T6 OR ASTM B221, ALLOY 6063-T6. SIGN BLANKS SHALL BE CHEMICALLY TREATED TO MEET ASTM B449.
6. SIGN FINISH SHALL BE HIGH INTENSITY
7. SIGN POST SHALL BE MIN 2' CLEAR FROM EDGE OF PAVEMENT.
8. FOR SPEEDS GREATER THAN 25 MPH, SEE CURRENT MUTCD FOR SIGN DIMENSIONS.
9. NO CLEARANCE SIGNS ARE REQUIRED FOR CANOPIES 15 FEET IN HEIGHT OR GREATER. FOR CANOPIES LESS THAN 15 FEET CONSULT SDDCTEA AND THE MUTCD.
10. CONSULT SDDCTEA FOR VEHICLE BARRIER SIGNING APPLICATIONS.
11. SIGN PLAN AND DETAILS ARE INTENDED TO PROVIDE GUIDANCE. THE FINAL SIGNING PLAN SHOULD BE DEVELOPED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
12. LOCATE SIGNS AT INTERSECTIONS PER MUTCD FIG. 2A-2.
13. ALL SIGNS SUPPORTS SHALL BE BREAKAWAY OR YIELDING.
14. TRAFFIC SIGNAGE PER SPECIFICATION 10 14 53.



ADA SIGN



ROADWAY SIGNS

A1 TRAFFIC SIGN
NTS

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY:	J. SHEPHERD
DRAWN BY:	B. TSUI
CHECKED BY:	M. PAREDES
SUBMITTED BY:	J. SHEPHERD
SIZE:	ANSI D
ISSUE DATE:	JANUARY, 2026
SOLICITATION NO.:	W912HN-26-B-A003
CONTRACT NO.:	
CATEGORY CODE	141-26
FILENAME:	121450_CS500.dwg

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVENUE
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

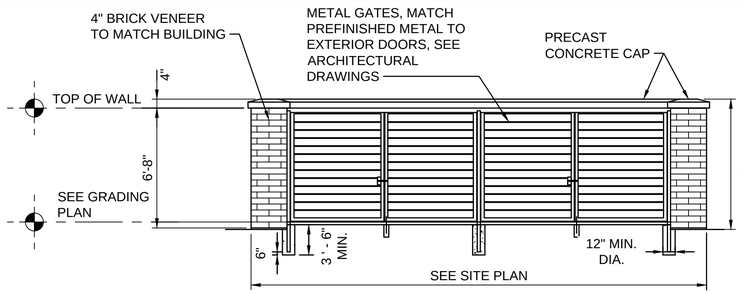
HUNTER army AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN: 69262

SITE DETAILS - 5

SHEET ID
CS505

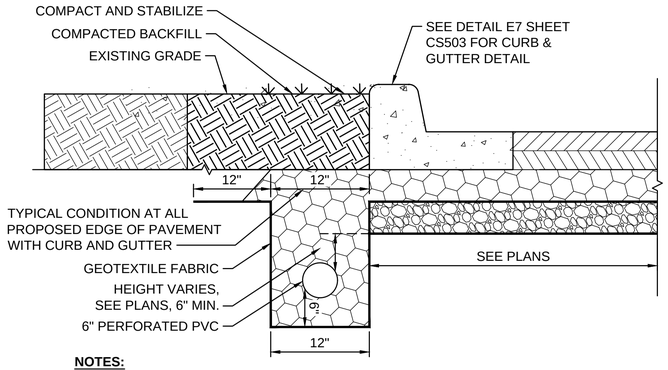
GEORGIA REGISTERED NO. 36672 PROFESSIONAL ENGINEER JASON T. SHEPHERD 1/21/2026

READY TO ADVERTISE (RTA)



TRASH ENCLOSURE ELEVATION - FRONT

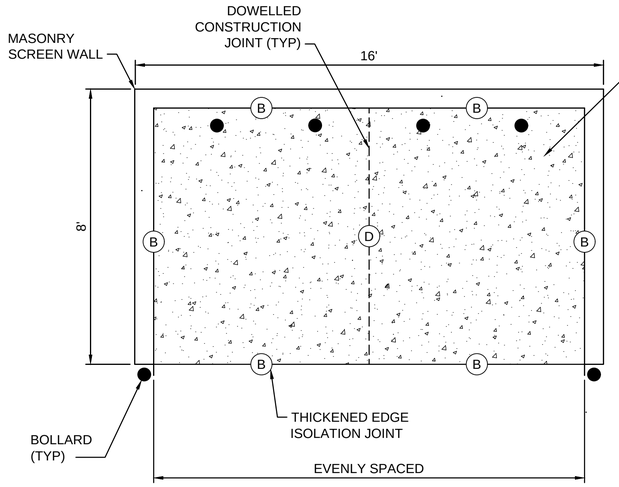
NOTE:
1. DUMPSTER GATES MUST BE STEEL FENCE PANELS (7'-2" HIGH x 3.5' SPAN) IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
2. DUMPSTER GATES MUST BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
3. CONCRETE PER SPECIFICATION 32 13 13.06.



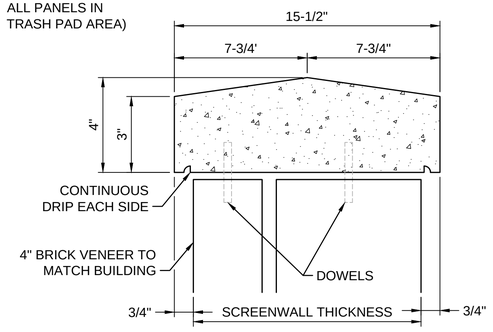
NOTES:

1. PLACE 3/4" EXPANSION JOINTS WITH 24" DOWELS AT RADIUS POINTS OR A MAXIMUM OF 60' ON STRAIGHT SECTIONS. THESE DOWELS SHALL BE GREASED AND WRAPPED ON ONE END WITH EXPANSION TUBES.
2. INSTALL 1 1/2" DEEP CONTRACTION JOINTS AT APPROXIMATELY 15' INTERVALS. THESE JOINTS SHALL PASS THROUGH THE ENTIRE CURB SECTION.
3. FIX DOWELS WITH BAR CHAIRS OR EQUAL.
4. SEE PLANS FOR UNDER DRAIN LOCATION, ONLY PLACE UNDER DRAIN WHERE SHOWN IN PLAN VIEW. OMIT UNDER DRAIN FOR CURB AND GUTTER REMOVAL AND REPLACEMENT FOR UTILITY TRENCHING.
5. FORM NOT REQUIRED BELOW GRADE.

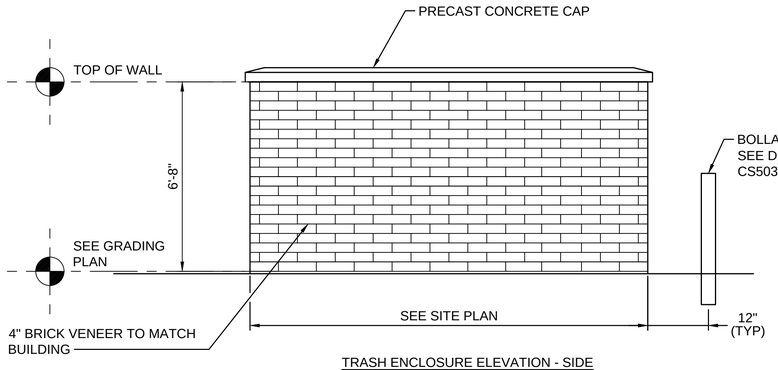
D7 UNDERDRAIN
NTS



TRASH DUMPSTER WITH SCREEN WALL AND GATE

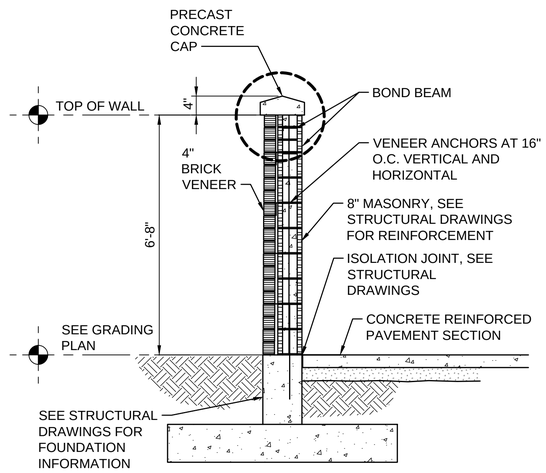


PRECAST CONCRETE CAP AT WALL SECTION



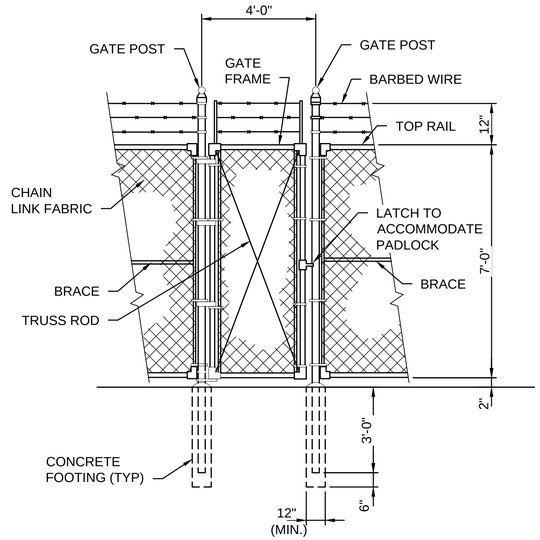
TRASH ENCLOSURE ELEVATION - SIDE

TRASH ENCLOSURE (THREE WALL SIDE)



TRASH ENCLOSURE WALL SECTION

A1 DUMPSTER PAD AND ENCLOSURE
NTS



A7 SECURITY PERSONNEL GATE
NTS

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: J. SHEPHERD
DRAWN BY: B. TSUI
CHECKED BY: M. PAREDES
SUBMITTED BY: J. SHEPHERD
SIZE: ANSI D
ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE 141-26
FILENAME: 121450_CS500.dwg

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVENUE
SAVANNAH, GA 31401-3940

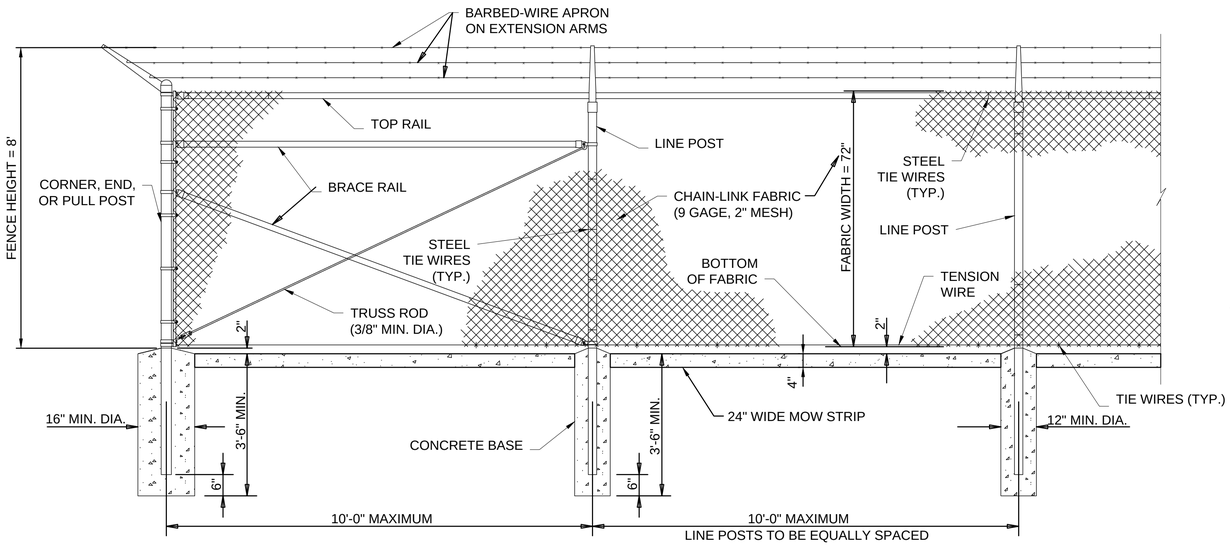
BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER army AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN: 69262

SITE DETAILS - 6

SHEET ID
CS506

READY TO ADVERTISE (RTA)

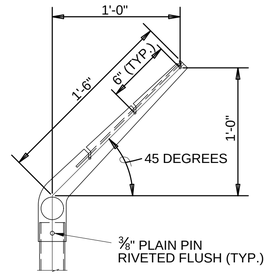


FE6 CHAIN-LINK SECURITY FENCE ELEVATION

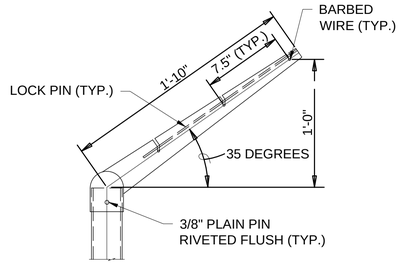
NO SCALE

EXAMPLES:

FE6-TR-72 - CHAIN-LINK SECURITY FENCE WITH BARBED-WIRE ON SINGLE OUTRIGGER, TOP RAIL, AND 72 INCH FABRIC WIDTH.



LINE POST

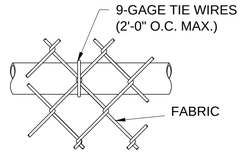


CORNER POST

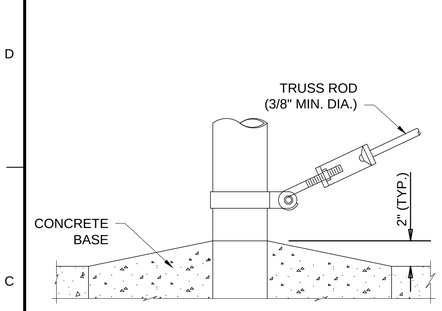
EXTENSION ARM DETAILS

NO SCALE

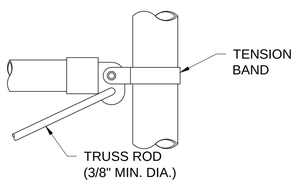
STEEL POST SCHEDULE	
USE AND SECTION	MIN. OD (NOMINAL) FABRIC 72" TO 96"
CORNER, END & PULL POSTS	
TUBULAR - ROUND	2.875" O.D.
TUBULAR - SQUARE	2.50" SQ.
C-SECTION (ROLL-FORMED)	3.50" x 3.50"
LINE POSTS	
TUBULAR - ROUND	2.375" O.D.
H-SECTION	2.25" x 1.70"
C-SECTION (ROLL-FORMED)	2.25" x 1.70"
TOP, BOTTOM & BRACE RAILS	
TUBULAR - ROUND	1.66" O.D.
TUBULAR - SQUARE	1.50" O.D.
H-SECTION	1.625" x 1.50"
C-SECTION (ROLL-FORMED)	1.625" x 1.25"



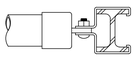
TOP OR BRACE RAIL ATTACHMENT



TRUSS ROD AND BAND

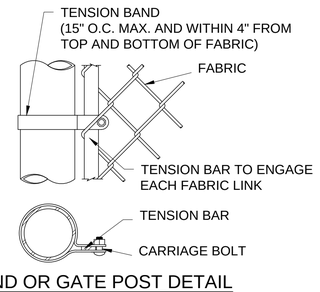


ROUND POST

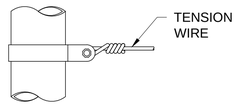


H-BEAM

BRACE RAIL CLAMP DETAILS



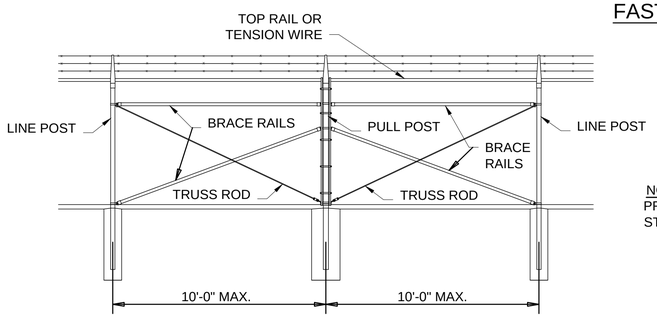
END OR GATE POST DETAIL



TENSION BAND DETAIL

FASTENING DETAILS

NO SCALE



BRACE PANEL DETAIL

NO SCALE

NOTE:
PROVIDE BRACE PANEL WHENEVER STRAIGHT RUNS EXCEED 500 FEET.

H-BEAM ROUND POST

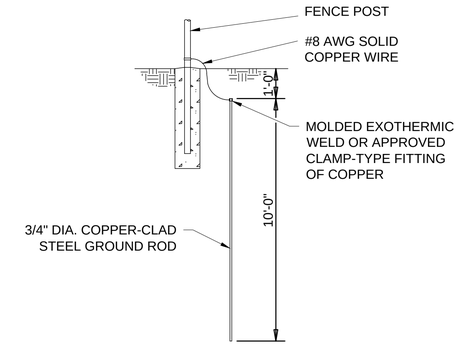
LINE POST ATTACHMENTS

NOTES:

1. DETAILS SHOWN ARE TO CLARIFY REQUIREMENTS AND ARE NOT INTENDED TO LIMIT METHOD OF INSTALLATION TO ONE MANUFACTURER.
2. WIRE TIES, RAILS, POSTS, AND BRACES SHALL BE CONSTRUCTED ON THE SECURE SIDE OF THE FENCE ALIGNMENT. CHAIN-LINK FABRIC SHALL BE PLACED ON THE OPPOSITE SIDE OF THE SECURE AREA.
3. UNLESS OTHERWISE SHOWN OR SPECIFIED, ALL FE6 FENCE SHALL HAVE APRON EXTENDED OUTWARD FROM THE AREA BEING PROTECTED.
4. C-SECTION POSTS SHALL BE INSTALLED SO THAT THE VOID INSIDE THE POST IS COMPLETELY FILLED WITH CONCRETE UP TO THE TOP OF THE FOUNDATION.

FENCE LEGEND:

TYPE FE6 - CHAIN-LINK FENCE W/BARBED-WIRE ON SINGLE OUTRIGGER
TOP RAIL - FENCE WITH TOP RAIL AND TENSION WIRE AT BOTTOM
FINAL NUMBER IS FABRIC WIDTH IN INCHES



GROUNDING DETAIL

NO SCALE

A1 CHAIN LINK FENCE (FE6)

NTS

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: J. SHEPHERD
DRAWN BY: B. TSUI
CHECKED BY: M. PAREDES
SUBMITTED BY: J. SHEPHERD
SIZE: ANSI D
ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE 141-26
FILENAME: 121450_CS500.dwg

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVENUE
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

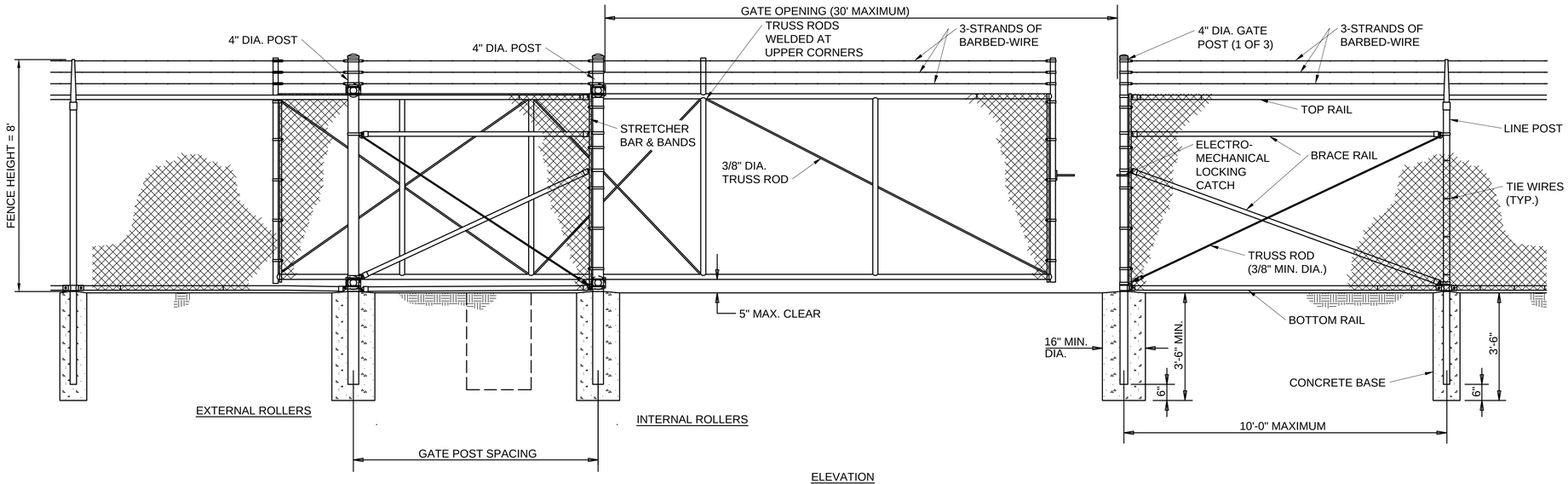
HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN: 69262

SITE DETAILS - 7

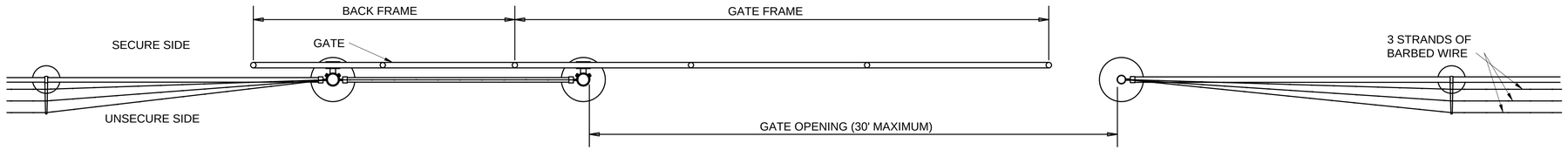
SHEET ID
CS507

READY TO ADVERTISE (RTA)

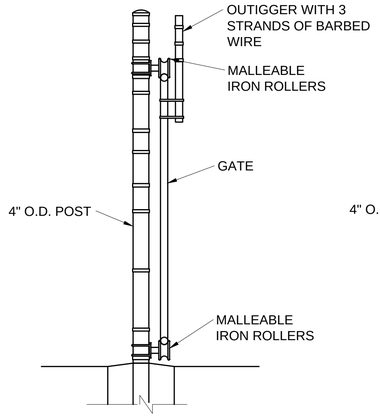
GEORGIA
JASON T. SHEPHERD
No. 36572
PROFESSIONAL ENGINEER
1/21/2026



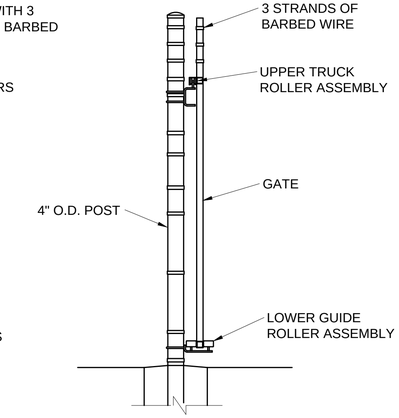
ELEVATION
NO SCALE



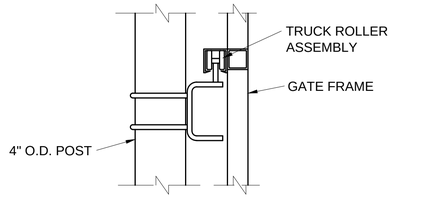
PLAN
NO SCALE



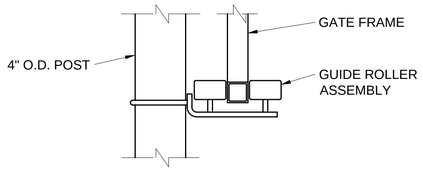
EXTERNAL ROLLERS



INTERNAL ROLLERS



UPPER TRUCK ROLLER ASSEMBLY
NO SCALE



LOWER GUIDE ROLLER ASSEMBLY
NO SCALE

NOTES:

1. CANTILEVERED SLIDE GATES SHALL CONFORM TO ASTM F1184.
2. GATE FRAMES SHALL BE EITHER ZINC-COATED STEEL OR ALUMINUM ALLOY.
3. ROLLERS SHALL BE EITHER INTERNAL OR EXTERNAL.
4. DETAILS SHOWN ARE TO CLARIFY REQUIREMENTS AND ARE NOT INTENDED TO LIMIT OTHER TYPES OF GATE SECTIONS AND METHODS OF INSTALLATION.

A1 CANTILEVER SLIDE GATE
NTS

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY:	J. SHEPHERD
DRAWN BY:	B. TSUI
CHECKED BY:	M. PAREDES
SUBMITTED BY:	J. SHEPHERD
SIZE:	ANSI D
ISSUE DATE:	JANUARY, 2026
SOLICITATION NO.:	W912HN-26-B-A003
CONTRACT NO.:	
CATEGORY CODE	141-26
FILENAME:	121450_CS500.dwg

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
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SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

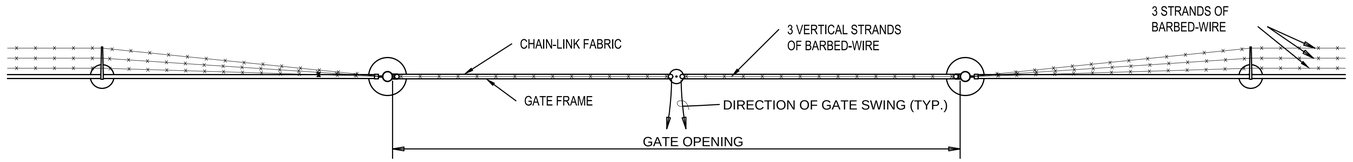
HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN: 69262

SITE DETAILS - 8

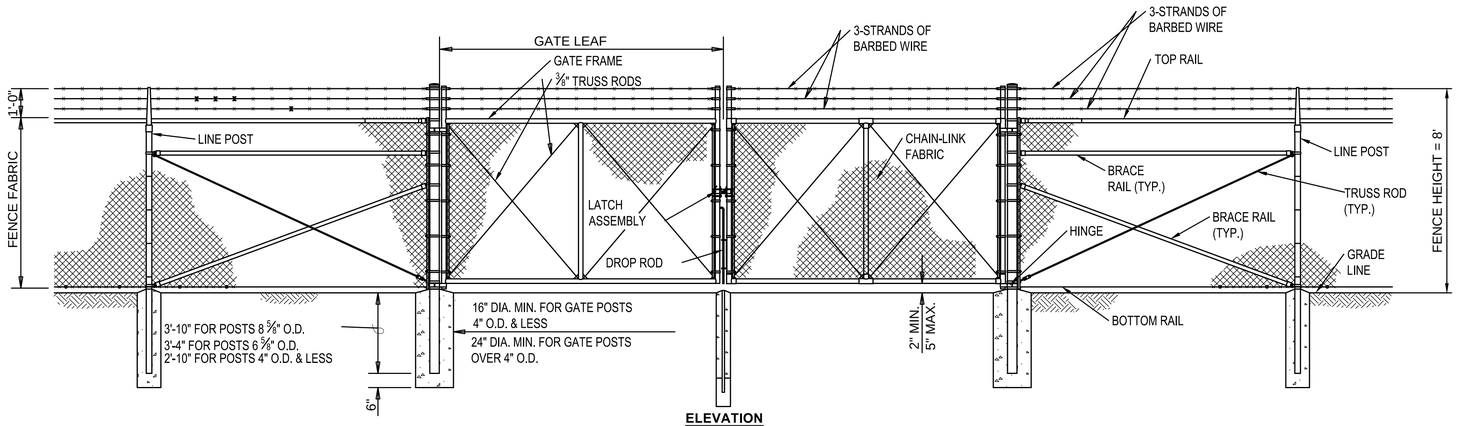
SHEET ID
CS508

GEORGIA REGISTERED No. 36672 PROFESSIONAL ENGINEER 1/21/2026 JASON T. SHEPHERD

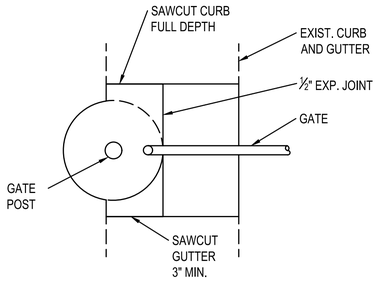
READY TO ADVERTISE (RTA)



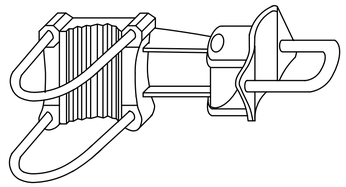
PLAN



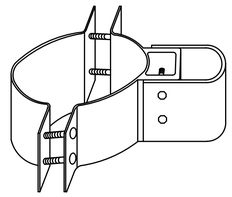
ELEVATION
DOUBLE SWING GATE (TYPE FE6 FENCE)
NO SCALE



PLAN



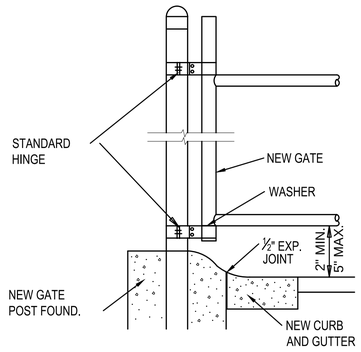
OFFSET HINGE



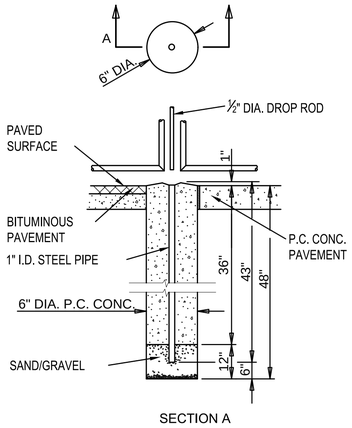
STANDARD HINGE

GATE POST SCHEDULE	
GATE LEAF WIDTH (NOMINAL)	OUTSIDE DIMENSION (NOMINAL)
6' OR LESS	2.875" O.D. 2.5" SQ.
MORE THAN 6' TO 13'	4.0" O.D.
MORE THAN 13' TO 18'	6.625" O.D.
MORE THAN 18'	8.625" O.D.

NOTES:
1. DETAILS SHOWN ARE TO CLARIFY REQUIREMENTS AND ARE NOT INTENDED TO LIMIT METHOD OF INSTALLATION TO ONE MANUFACTURER.
2. SWING GATES SHALL BE CONSTRUCTED WITH DROP RODS, PADLOCKS, LATCH ASSEMBLY AND GATE KEEPERS EXCEPT AS NOTED.
3. ALL GATE FRAMES SHALL BE A MINIMUM OF 1.90" NOMINAL (ROUND) OR 2.00" NOMINAL (SQUARE). GATE FRAMES SHALL BE WELDED CONSTRUCTION OR SHALL BE ASSEMBLED USING HEAVY FITTINGS. AT CONTRACTOR'S OPTION, A WELDED HORIZONTAL BRACE MAY BE USED IN LIEU OF TRUSS RODS TO BRACE ALL WELDED GATE FRAMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER RIGID CONSTRUCTION OF ALL GATES SUPPLIED.
4. GATES SHALL BE DESIGNATED AS FOLLOWS:
   FENCE TYPE - FE6.
   FENCE HEIGHT - FEET
   TYPE OPENING - DO (DOUBLE)
   HINGE - RA (STANDARD)
   - HO (OFFSET)
   OPENING - FEET (CLEAR OPENING BETWEEN GATE POSTS)
   EXAMPLES: FE6-84-DO-RA-24

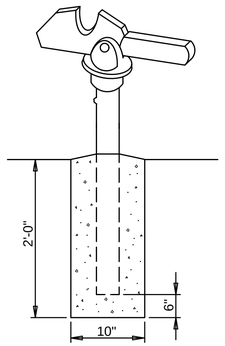


SECTION
GATE POST DETAIL
AT CURB AND GUTTER

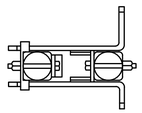


SECTION A

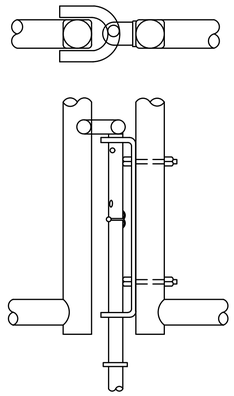
DROP ROD FOUNDATION



GATE KEEPER
(TO HOLD GATE OPEN)



LATCH ASSEMBLY



DROP ROD ASSEMBLY

SWING GATE DETAILS
NO SCALE

A1 DOUBLE SWING GATE
NTS

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY:	J. SHEPHERD
DRAWN BY:	B. TSUI
CHECKED BY:	M. PAREDES
SUBMITTED BY:	J. SHEPHERD
SIZE:	ANSI D
ISSUE DATE:	JANUARY, 2026
SOLICITATION NO.:	W912HN-26-B-A003
CONTRACT NO.:	
CATEGORY CODE	141-26
FILENAME:	121450_CS500.dwg

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVENUE
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER army AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN: 69262

SITE DETAILS - 9

SHEET ID
CS509

READY TO ADVERTISE (RTA)

GEORGIA REGISTERED NO. 39672 PROFESSIONAL 1/21/2026 ENGINEER JASON T. SHEPHERD

MATCH LINE CG102

MATCH LINE D6, CG102

CHANGE IN UNDERDRAIN SLOPE DIRECTION

N 741232.54
E 976525.60

N 741141.82
E 976474.71

N 741219.44
E 976493.27

N 741156.53
E 976427.31

N 741105.11
E 976395.40

N 741080.50
E 976387.69

N 741097.46
E 976322.14

N 741127.81
E 976335.44

N 741156.35
E 976269.30

N 741121.05
E 976258.25

N 741430.89
E 976355.92

N 741423.80
E 976298.63

STORAGE
FFE: 17' - 8"

BREAK KENNELS
FFE VARIES, SEE STRUCTURAL

KENNEL FINISHED FLOOR ELEVATION
VARIES, SEE STRUCTURAL

MWD KENNEL FACILITY
FFE: 18.0

STEPHEN DOUGLAS ST (ASPHALT)

GRADE BREAK

0.50%

0.40%

8" PVC

15" RCP

18" RCP

24" RCP

TYP.

D8 CG202

D9 CG101

D1 CG201

D1 CG202

A1 CG202

A4 CG202

A4 CG201

A1 CG201

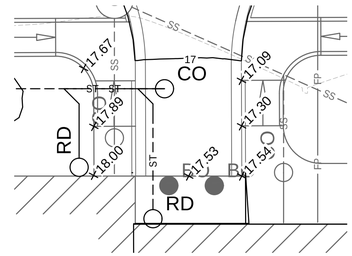
B9 CG101

GENERAL NOTES

1. SEE NOTES ON CG102.

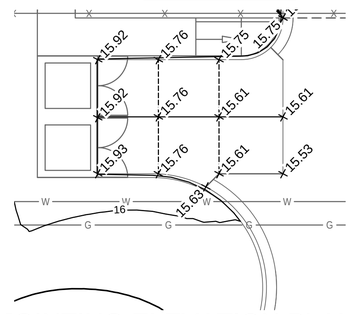
SHEET KEYNOTES

1. ROOF DRAIN CONNECTION — D1 CG501
2. TRENCH DRAIN — A6 CG502
3. CLEAN-OUT — D1 CU503
4. STORM DRAIN MANHOLE — A1 CG502
5. OUTLET CONTROL STRUCTURE — A1 CG503
6. CATCH BASIN (GDOT 1019AP - TYPE E) — A1 CG505
7. FLARED END SECTION (GDOT 1120) — A5 CG504
8. UNDERDRAIN — D7 CS506
9. CONCRETE PAVED SWALE — E4 CG502
10. DROP INLET (GDOT 1019AP - TYPE A) — D1 CS504



D9 ENLARGED ELEVATION PLAN

SCALE 1" = 10'



B9 JOINTING ELEVATION PLAN

SCALE 1" = 10'

A1 GRADING & STORM DRAINAGE PLAN - 1

SCALE 1" = 20'

TRUE NORTH

US Army Corps of Engineers®

DATE	DESCRIPTION	MARK

DESIGNED BY: J. SHEPHERD
DRAWN BY: B. TSUI
CHECKED BY: M. PAREDES
SUBMITTED BY: SHEPHERD
ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE 141-26
SIZE ANSI D
FILENAME: 121450_CG100.dwg

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVENUE
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER army AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN: 69262

GRADING & STORM DRAINAGE PLAN - 1

SHEET ID
CG101

GEORGIA
JASON T. SHEPHERD
NO. 36672
PROFESSIONAL ENGINEER
2/25/2026

READY TO ADVERTISE (RTA)

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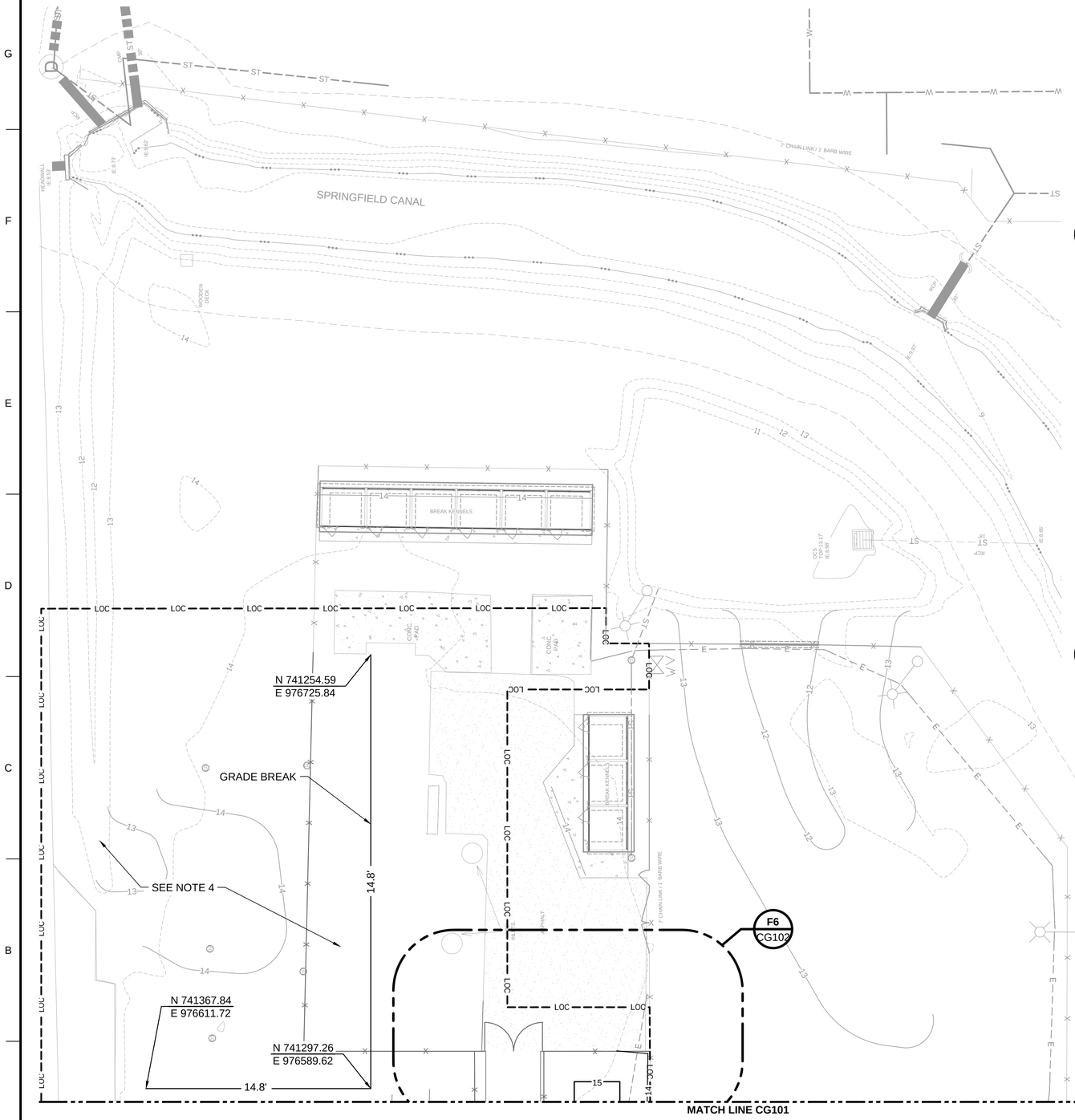
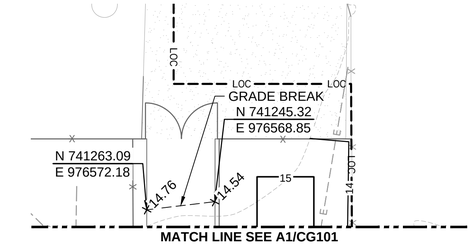


A1 GRADING & STORM DRAINAGE PLAN - 2

SCALE 1" = 20'

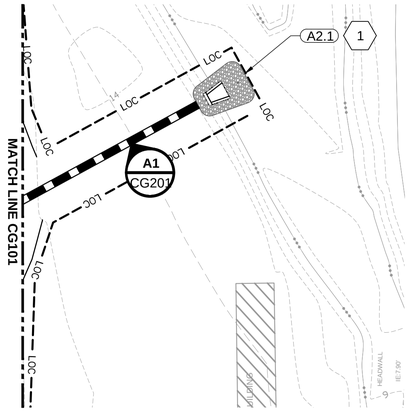
0 10' 20' 40' TRUE NORTH



F6 ENLARGED VIEW - 1

SCALE 1" = 20'

0 10' 20' 40' TRUE NORTH



D6 ENLARGED VIEW - 2

SCALE 1" = 20'

0 10' 20' 40' TRUE NORTH

GENERAL NOTES

1. SEE SHEET GC002 FOR GENERAL GRADING AND UTILITY NOTES.
2. WITHIN THE FOOTPRINT OF THE PROPOSED BUILDING AND EXTENDING 5 FEET BEYOND, ALL EXISTING UTILITIES OR SERVICE LINES AND IN-PLACE FILL MATERIALS MUST BE REMOVED AND BACKFILLED WITH SATISFACTORY SOIL REPLACED IN COMPACTED LAYERS. EXCAVATION MUST BE PERFORMED IN ACCORDANCE WITH EM 385-1-1 AND OSHA 29 CFR 1936.652. BACKFILLING MUST BE IN ACCORDANCE WITH SECTION 31 00 00, EARTHWORK.
3. DRAINAGE AND DEWATERING: ALL EXCAVATIONS MUST BE PERFORMED SO THAT THE SITE AND THE AREA IMMEDIATELY SURROUNDING THE SITE WHICH AFFECTS CONSTRUCTION OPERATIONS WILL BE CONTINUALLY AND EFFECTIVELY DRAINED. THE CONTRACTOR MUST PROVIDE DRAINAGE AND DEWATERING AS REQUIRED TO ENSURE THAT ALL FOOTING EXCAVATIONS ARE ACCOMPLISHED WITH THE SUBGRADE SOILS REMAINING DRY AND FIRM UNTIL AFTER FOOTINGS ARE PLACED AND BACKFILLED. REMOVAL OF SURFACE WATER, GROUNDWATER, AND ANY PERCHED-WATER CONDITIONS, WHICH MIGHT BE ENCOUNTERED DURING EXCAVATIONS MUST BE ACCOMPLISHED BY APPROVED MEANS. REFER TO SPECIFICATION 31 00 00 EARTHWORK FOR ADDITIONAL REQUIREMENTS.
4. UPON DEMOLITION AND REMOVAL OF EXISTING FOUNDATIONS, CONTRACTOR MUST BACKFILL AREA TO ELIMINATE LOCALIZED DEPRESSIONS TO PROVIDE POSITIVE DRAINAGE MATCHING EXISTING DRAINAGE PATTERS. PROVIDE TOPSOIL AND SEED ACCORDING TO PROJECT SPECIFICATIONS.
5. SEE SHEETS CG201 AND CG202 FOR STORM PROFILES AND STRUCTURE TABLE.

SHEET KEYNOTES

1. HEADWALL (GDOT 1125) — A6 / CG503

US Army Corps of Engineers®

NO.	DESCRIPTION	DATE

DESIGNED BY: J. SHEPHERD
DRAWN BY: B. TSUI
CHECKED BY: M. PAREDES
SUBMITTED BY: J. SHEPHERD
SIZE: ANSI D
ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE 141-26
FILENAME: 121450_CG100.dwg

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVENUE
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER army AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN: 69262

GRADING & STORM DRAINAGE PLAN - 2

SHEET ID
CG102

READY TO ADVERTISE (RTA)

GEORGIA
JASON T. SHEPHERD
NO. 36672
PROFESSIONAL ENGINEER
1/21/2026

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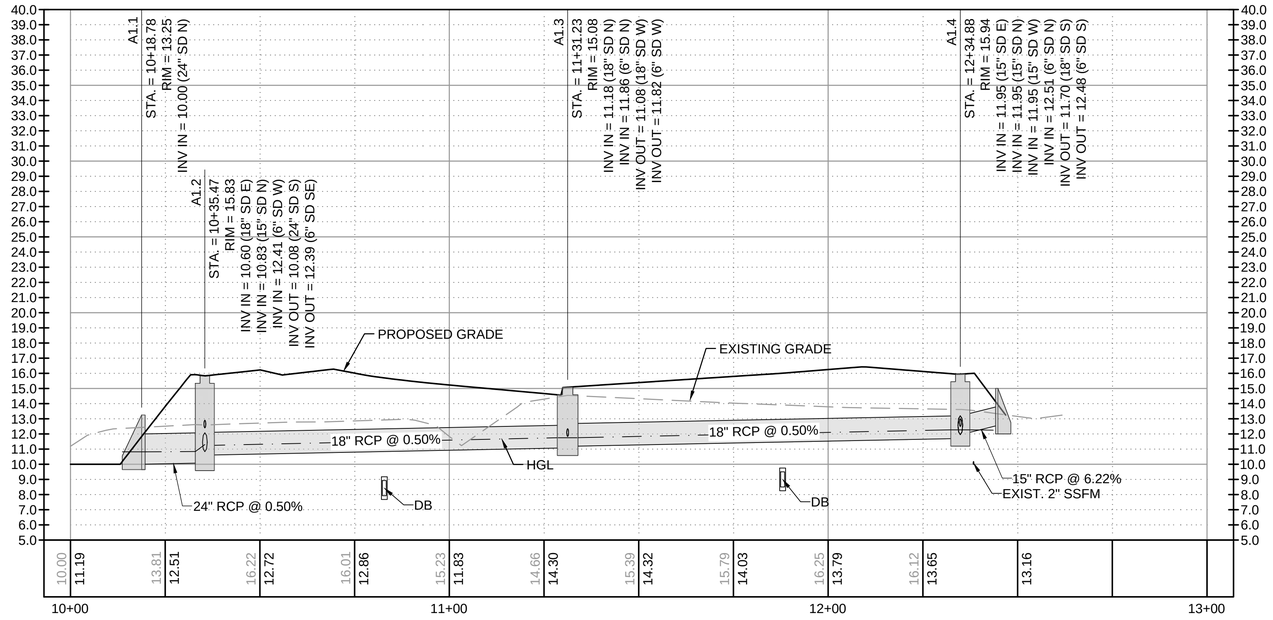


D1 STORM DRAIN PROFILE - 1

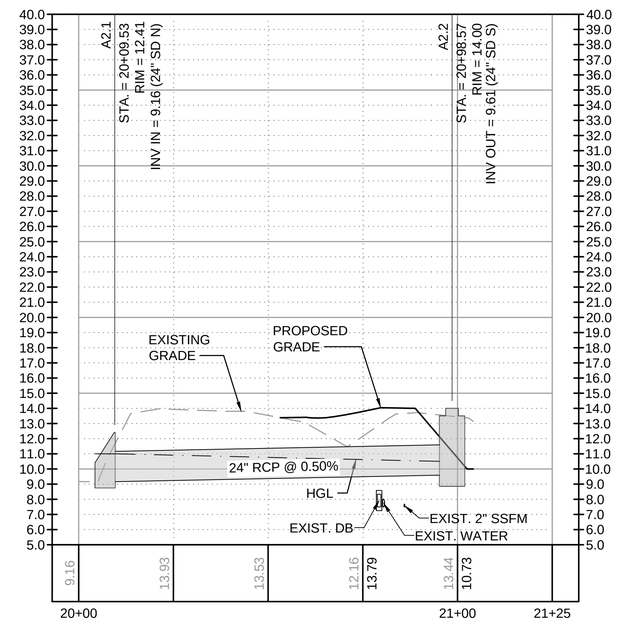
HORIZONTAL: 1" = 20' / VERTICAL: 1" = 5'

STORM STRUCTURE TABLE				
NAME	NORTHING	EASTING	TYPE	RIM
A1.1	741073.05	976349.79	FES	13.25
A1.2	741088.95	976354.84	DI	15.83
A1.3	741068.26	976448.34	DI	15.08
A1.4	741167.27	976478.99	DI	15.94
A1.5	741164.34	976488.47	FES	15.00
A2.1	740961.50	976318.02	HW	12.41
A2.2	741048.84	976300.67	OCS	14.00
A3.1	741175.35	976320.01	MH	16.72
A3.2	741288.90	976355.57	MH	17.17
A3.3	741359.45	976377.67	MH	17.11
B1.1	741115.90	976198.61	FES	13.31
B1.2	741194.85	976222.73	FES	14.19
B2.1	741284.80	976250.10	FES	15.34
B2.2	741325.43	976263.07	FES	15.56

GENERAL NOTES

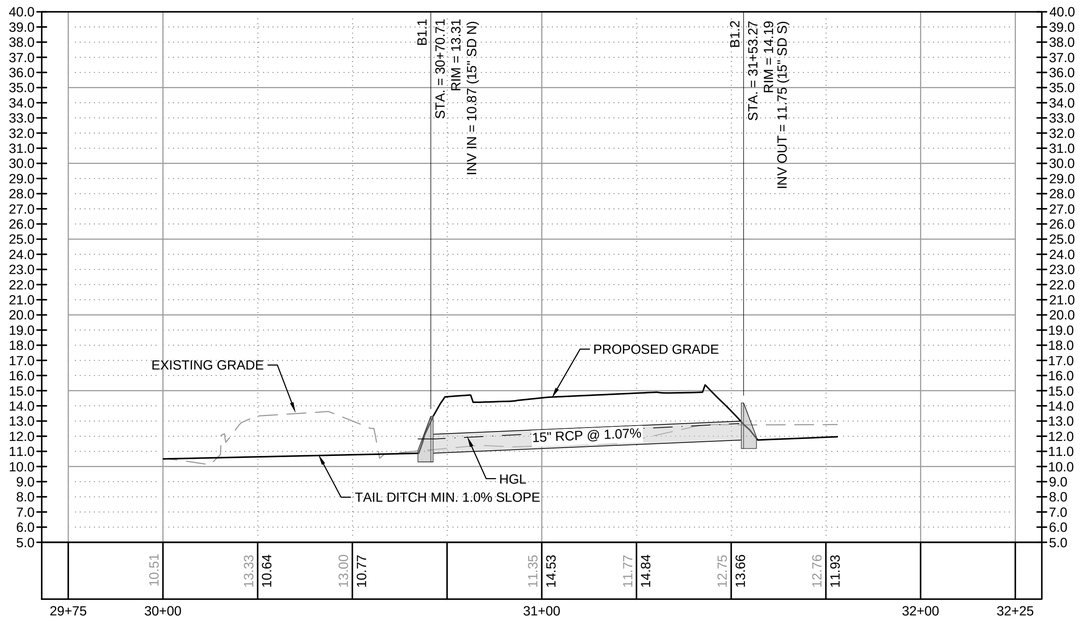
1. SEE GC-001 FOR LEGEND AND ABBREVIATIONS.
2. SEE GC-002 FOR CIVIL GENERAL NOTES.
3. SEE SHEETS CG101 AND CG102 FOR STORM DRAINAGE PLANS.

InletID	LineID	IncrCxA	Total Area (ac)	Intensity (in/hr)	Total Runoff (cfs)	Capacity Full (cfs)	Line Size (in)	Velocity (ft/s)	HGL Down (ft)	HGL Up (ft)
A1.2	PIPE A1.1	0.08	1.32	6.02	5.82	16.98	24	4.68	10.82	10.93
A1.3	PIPE A1.2	0.14	0.98	6.15	4.08	8.05	18	4.51	11.36	11.85
A1.4	PIPE A1.3	0.17	0.78	6.32	3.32	8.06	18	4.24	11.85	12.39
A1.4.1	PIPE A1.3.7	0	0.11	7.11	0.74	5.85	15	2.34	12.39	13.12
A1.4.2	PIPE A1.3.8	0.1	0.11	7.24	0.76	5.82	15	3.03	13.18	13.33
A1.4.3	PIPE A1.3.1	0.1	0.11	7.24	0.76	8.59	15	2.37	12.39	13.14
A3.1	PIPE A1.2.2	0.08	0.24	6.77	1.54	4.92	15	3.49	11.31	11.78
A3.2	PIPE A1.2.3	0.08	0.16	6.94	1.05	0.92	15	3.02	11.75	12.34
A3.3	PIPE A1.2.4	0	0.08	7.2	0.55	0.93	8	1.79	12.35	12.79
TD	PIPE A1.2.5	0.08	0.08	7.24	0.55	0.94	15	1.9	13.28	13.35
A1.5	PIPE A1.4	0.15	0.27	7.24	1.06	17.48	15	2.89	12.39	12.97
A2.2	PIPE A2.1	0	0	0	0	17.42	24	3.44	13.35	13.52
B1.2	PIPE B1.1	0.38	0.76	5.21	1.98	7.22	15	2.63	12.27	12.32
B2.2	PIPE B2.1	0.19	0.38	6.46	1.23	5.02	15	3.2	13.07	13.29



A1 STORM DRAIN PROFILE - 2

HORIZONTAL: 1" = 20' / VERTICAL: 1" = 5'



A4 STORM DRAIN PROFILE - 3

HORIZONTAL: 1" = 20' / VERTICAL: 1" = 5'

HORIZONTAL SCALE:1"=20'

VERTICAL SCALE:1"=5'

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: J. SHEPHERD
DRAWN BY: B. TSUI
CHECKED BY: M. PAREDES
SUBMITTED BY: J. SHEPHERD
QUALITY CHECKED BY: ANSLD
ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE 141-26
FILENAME: 121450_CU200.dwg

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVENUE
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER army AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN: 69262

STORM PROFILES - 1

SHEET ID
CG201

READY TO ADVERTISE (RTA)

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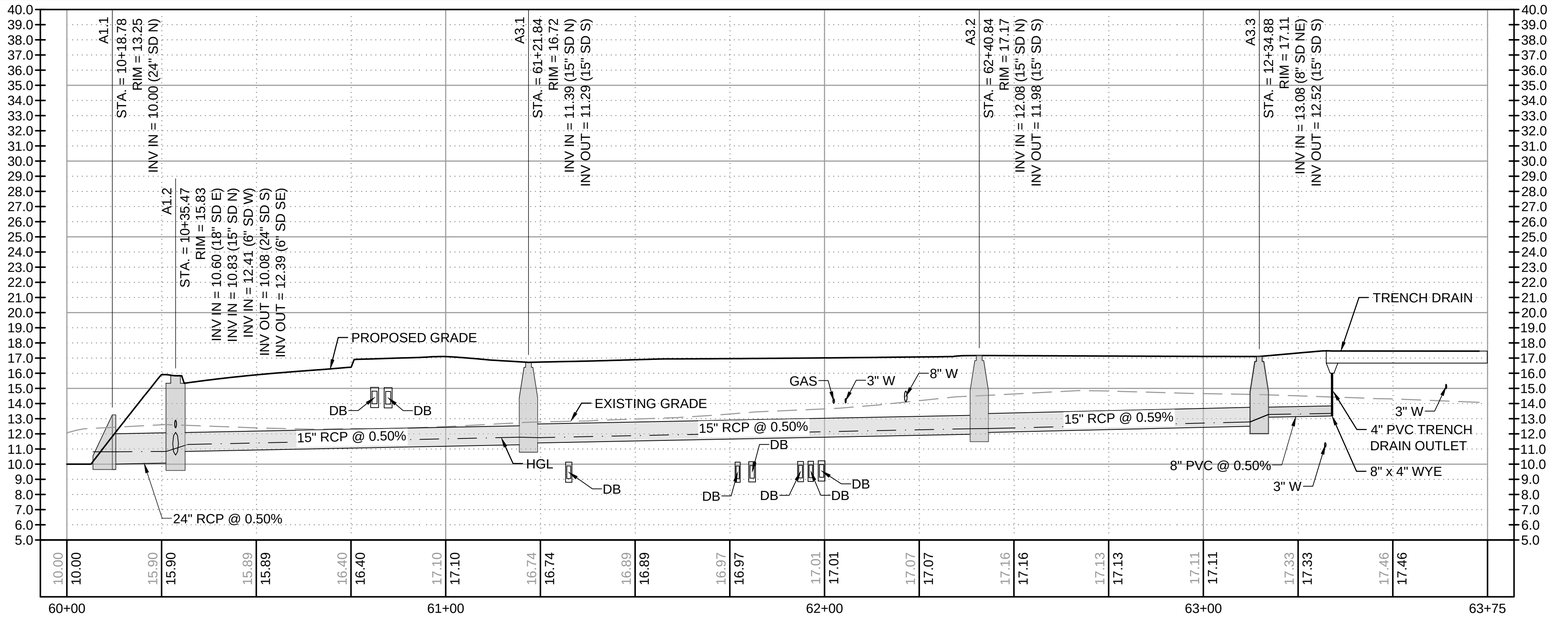
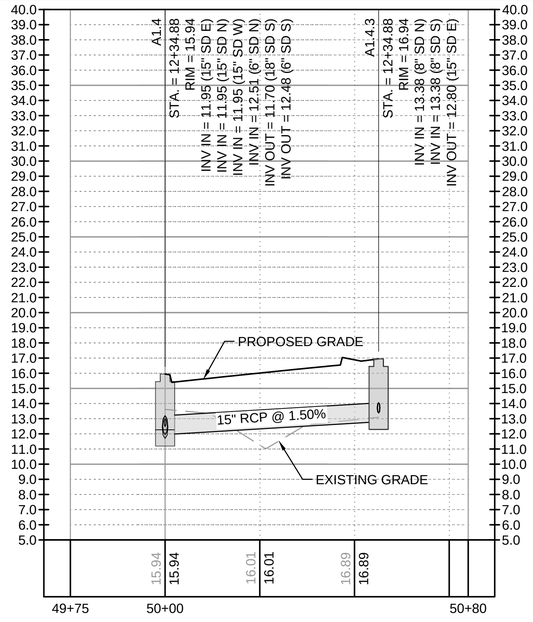


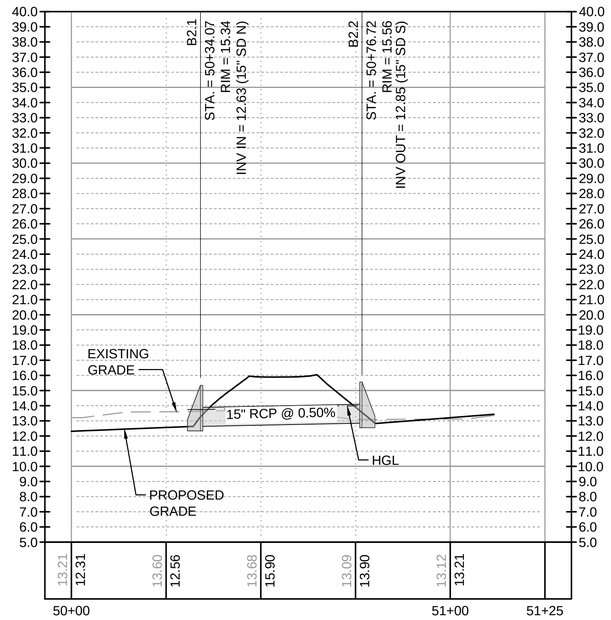
D1 STORM DRAIN PROFILE - 4

HORIZONTAL: 1" = 20' / VERTICAL: 1" = 5'



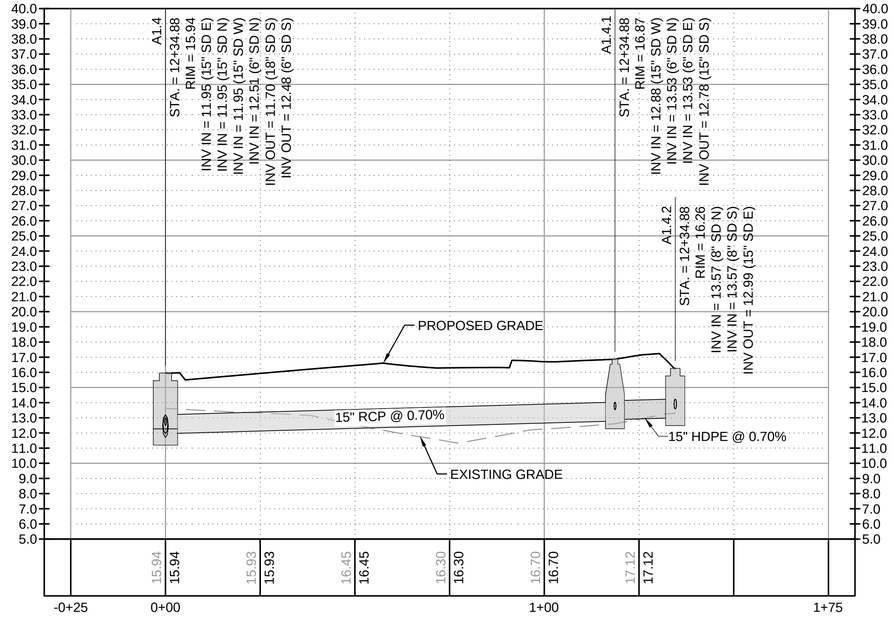
D8 STORM DRAIN PROFILE - 7

HORIZONTAL: 1" = 20' / VERTICAL: 1" = 5'



A1 STORM DRAIN PROFILE - 5

HORIZONTAL: 1" = 20' / VERTICAL: 1" = 5'



A4 STORM DRAIN PROFILE - 6

HORIZONTAL: 1" = 20' / VERTICAL: 1" = 5'

GENERAL NOTES

1. SEE GC-001 FOR LEGEND AND ABBREVIATIONS.
2. SEE GC-002 FOR CIVIL GENERAL NOTES.
3. SEE SHEETS CG101 AND CG102 FOR STORM DRAINAGE PLANS.

HORIZONTAL SCALE:1"=20'

VERTICAL SCALE:1"=5'

GEORGIA REGISTERED PROFESSIONAL ENGINEER NO. 34672 JASON T. SHEPHERD 2/23/2026

US Army Corps of Engineers®

DATE	DESCRIPTION	MARK

DESIGNED BY:	J. SHEPHERD
DRAWN BY:	B. TSUI
CHECKED BY:	M. PAREDES
SUBMITTED BY:	J. SHEPHERD
SIZE:	ANSI D
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BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER army airfield, georgia
SOF MILITARY WORKING DOG KENNEL
FY25, PN: 69262

STORM PROFILES - 2

SHEET ID
CG202

READY TO ADVERTISE (RTA)

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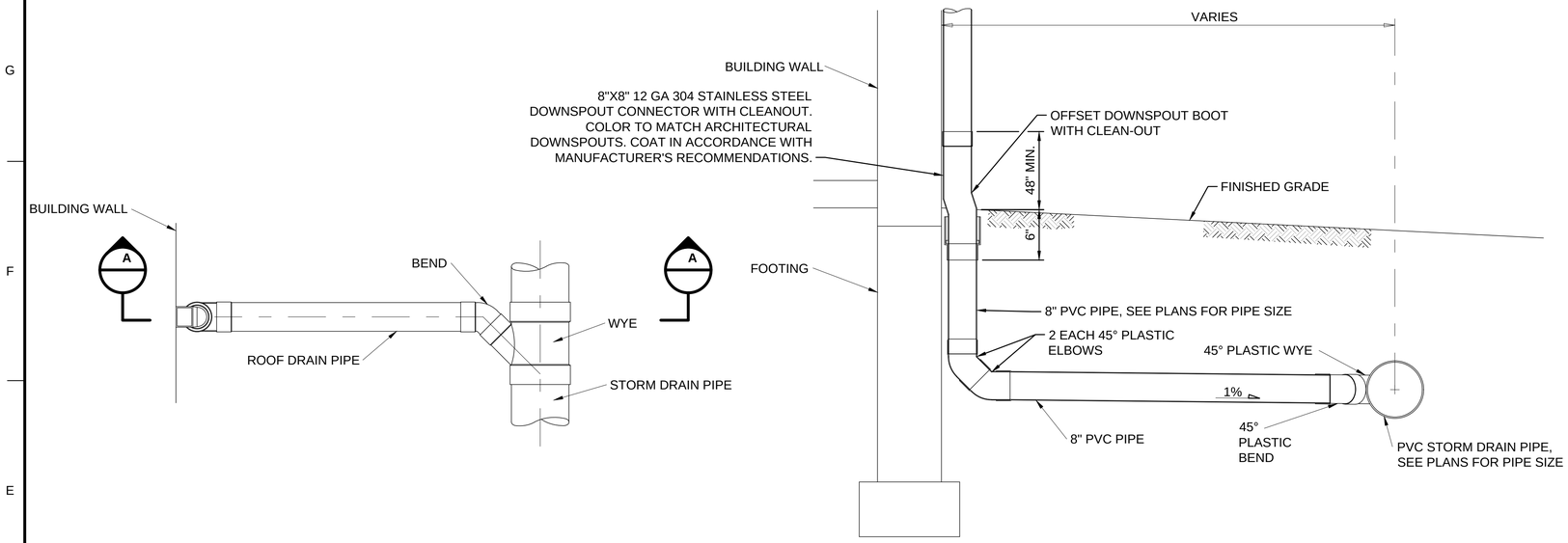
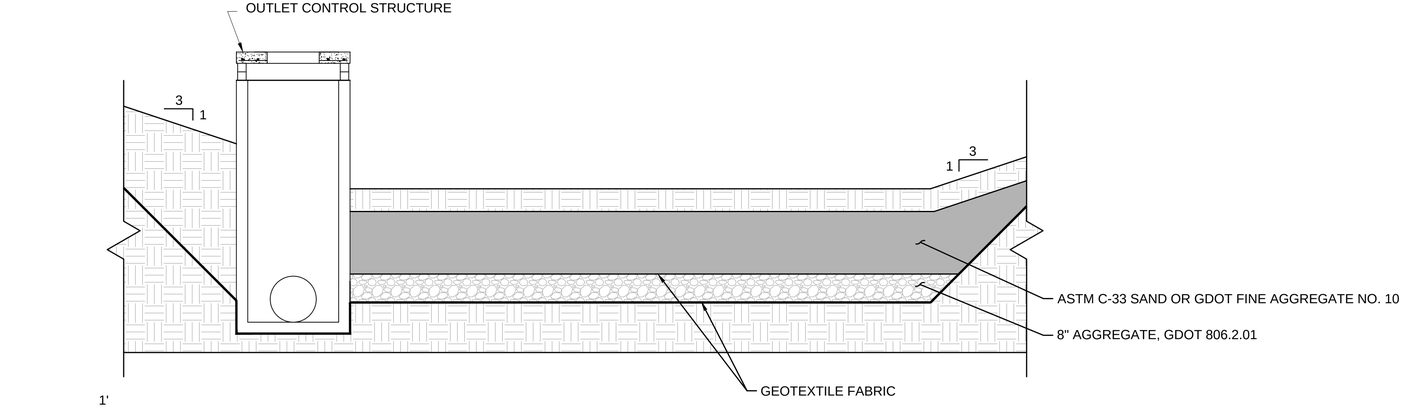
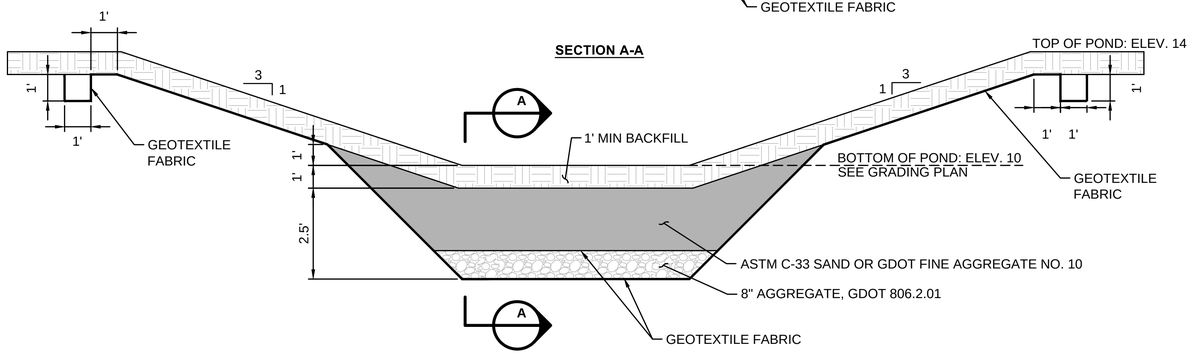
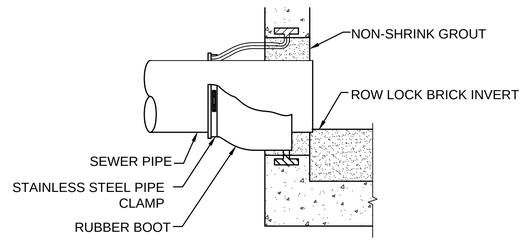


D1 ROOF DRAIN CONNECTION
NTS





A1 DETENTION POND
NTS



A7 MANHOLE BOOT CONNECTION
NTS

US Army Corps of Engineers®

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DRAWN BY:	B. TSUI
CHECKED BY:	M. PAREDES
SUBMITTED BY:	J. SHEPHERD
SIZE:	ANSI D

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVENUE
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

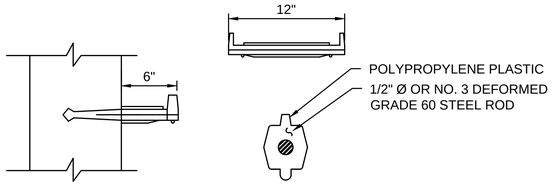
HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN: 69262

STORM DRAINAGE DETAILS - 1

SHEET ID
CG501

GEORGIA
JASON T. SHEPHERD
NO. 36672
PROFESSIONAL ENGINEER
1/21/2026

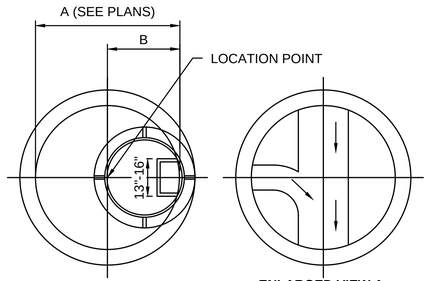
READY TO ADVERTISE (RTA)



NOTES:

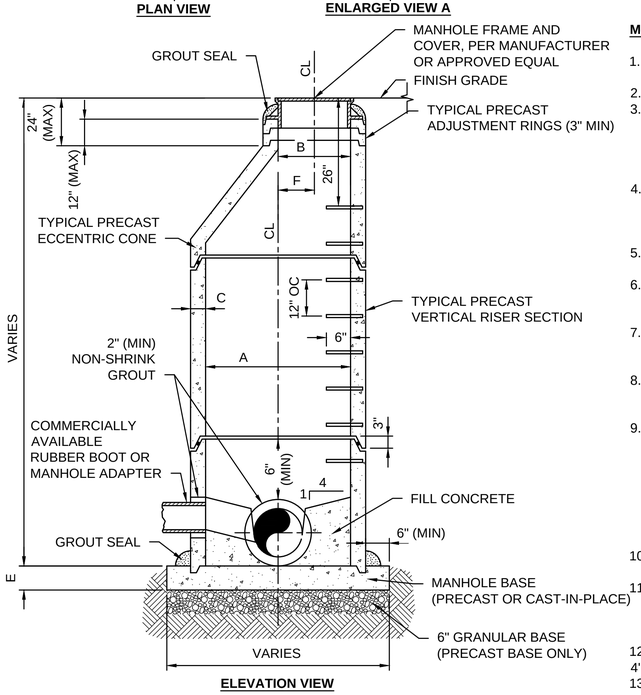
1. STEPS MUST BE PLACED INTO WET CONCRETE WALL DURING MANUFACTURE OR MORTORED INTO HOLES AFTER CONCRETE HAS SET.

MANHOLE STEPS DETAIL



PLAN VIEW

ENLARGED VIEW A

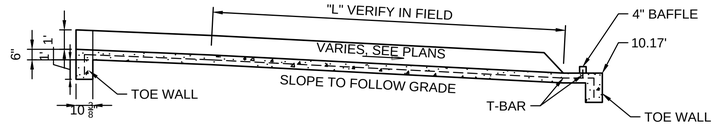


ELEVATION VIEW

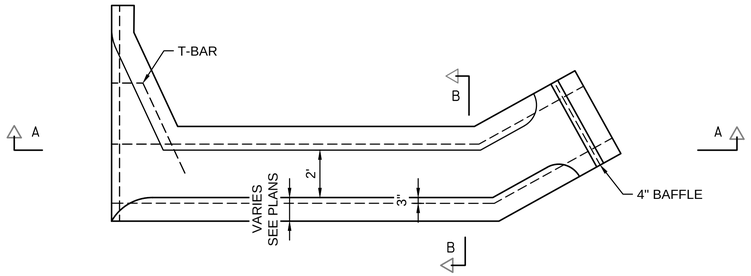
MANHOLE NOTES:

1. ALL PRECAST MANHOLE SECTIONS MUST CONFORM TO ASTM C478.
2. UTILITY STRUCTURES ARE TO BE H-20 RATED.
3. COVERS AND CASTINGS OF MANHOLES AND STRUCTURES MUST BE STAMPED PER THE APPROPRIATE UTILITY TYPE OR PER THE LOCAL STANDARDS, AND MUST BE STAMPED PER THE ORIGIN OF MANUFACTURE.
4. FRAME AND ADJUSTMENT RINGS MUST BE SEALED WITH NON-SHRINK GROUT, PREFORMED PLASTIC, OR RUBBER RING TO FORM WATERTIGHT SEAL.
5. ALL JOINTS MUST BE SEALED WITH JOINT COMPOUND OR GROUTED WITH MORTAR.
6. ANY LIFT LOOPS FOR UTILITY STRUCTURES MUST BE GROUTED FLUSH AFTER INSTALLATION.
7. ALL MANHOLE BASES (PRECAST OR CAST-IN-PLACE) MUST HAVE #4 @ 12" ON CENTER EACH WAY REINFORCEMENT.
8. ALL REINFORCEMENT MUST BE PLACED 2" CLEAR OF NEAREST FACE OF CONCRETE UNLESS INDICATED OTHERWISE.
9. IF MANHOLES ARE INDICATED ON SANITARY LINES, A 2.00 INCH DROP IN ELEVATION BETWEEN THE INCOMING AND OUTGOING SEWER MUST BE PROVIDED IN EACH MANHOLE UNLESS INDICATED OTHERWISE. INVERT FLOW CHANNELS MUST BE CONSTRUCTED TO PROVIDE SMOOTH AND UNIFORM SLOPE WITH GRADUAL TRANSITION SECTIONS.
10. PIPE MAY EXTEND 2.00" MAXIMUM BEYOND INTERIOR MANHOLE WALL.
11. MANHOLE STEPS MUST BE PLACED INTO MANHOLE WALL DURING MANUFACTURE OR MORTARED INTO HOLES AFTER CONCRETE HAS CURED.
12. MANHOLE STEPS REQUIRED FOR MANHOLES 4' OR DEEPER.
13. DESIGN CRITERIA BASED ON GDOT 1011AP.

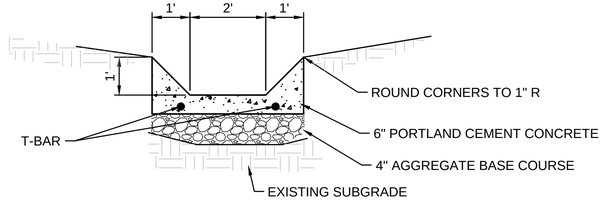
A1 STORM DRAIN MANHOLE
NTS



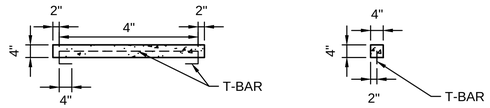
SECTION A-A



PLAN VIEW



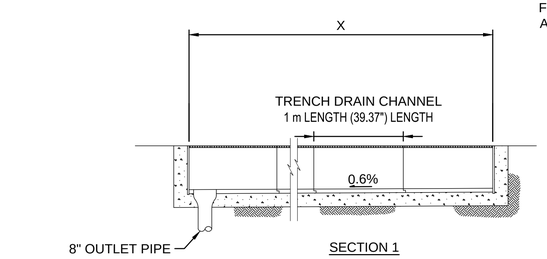
SECTION B-B



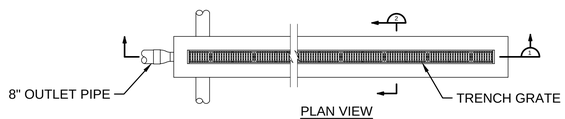
DETAILS OF 4" CONCRETE BAFFLE

NOTE: 1. PROVIDE CONCRETE IN ACCORDANCE WITH SPECIFICATION 32 16 19.

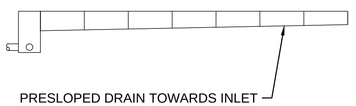
E4 CONCRETE PAVED SWALE
NTS

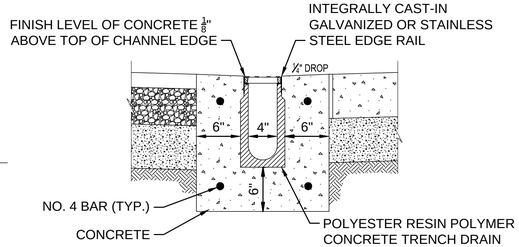


SECTION 1

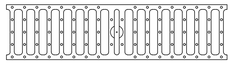


PLAN VIEW





SECTION 2



SLOTTED DUCTILE IRON

NOTE:

1. TRENCH DRAIN SYSTEM PER MANUFACTURER OR APPROVED EQUAL
2. TRENCH GRATE SHALL MEET THE REQUIREMENTS OF DIN 19580 LOAD CLASS A.

A6 TRENCH DRAIN
NTS

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: J. SHEPHERD
DRAWN BY: B. TSUI
CHECKED BY: M. PAREDES
SUBMITTED BY: J. SHEPHERD
FILE NAME: 121450_CS500.dwg
ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE 141-26
SIZE ANSI D

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVENUE
SAVANNAH, GA 31401-3640

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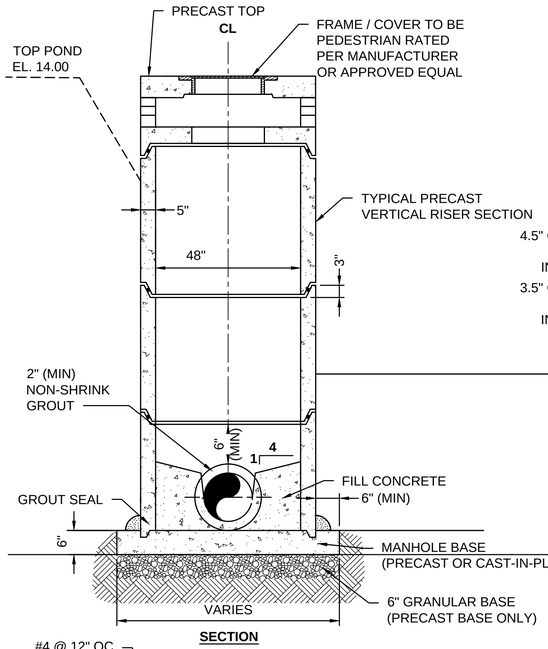
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY'25, PN: 69262

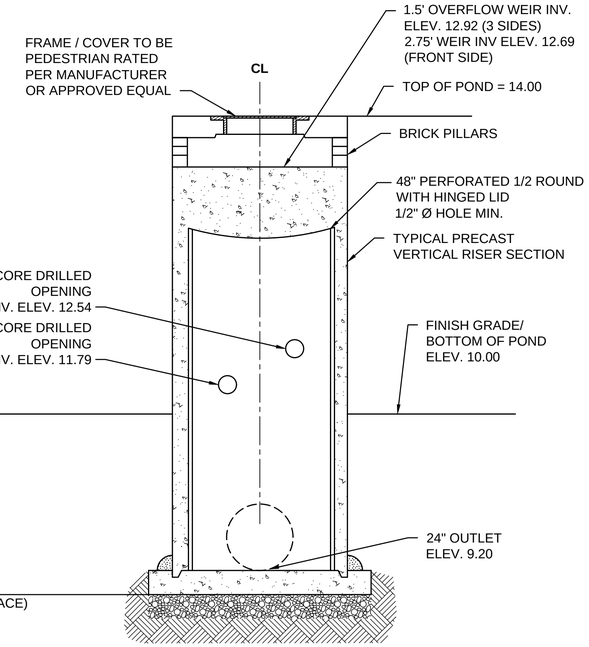
STORM DRAINAGE DETAILS - 2

SHEET ID
CG502

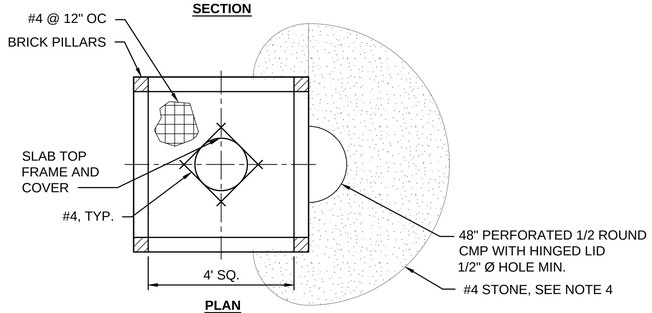
READY TO ADVERTISE (RTA)



SECTION



FRONT VIEW



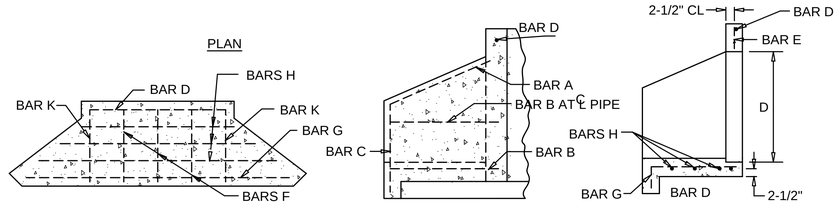
PLAN

NOTES:

1. ALL MATERIALS MUST COMPLY WITH APPLICABLE GDOT STANDARDS.
2. STRUCTURE MUST BE REINFORCED PER ASTM C-913.
3. CONTRACTOR MUST SUBMIT SHOP DRAWINGS FOR PRECAST STRUCTURE SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF GEORGIA.
4. UPON FINAL STABILIZATION OF SITE, STONE MUST EITHER BE WASHED AND ALL SEDIMENT REMOVED OR MUST BE REPLACED.

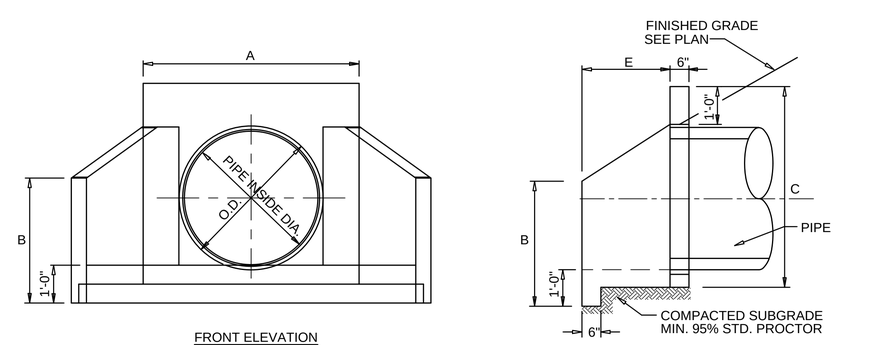
A1 OUTLET CONTROL STRUCTURE

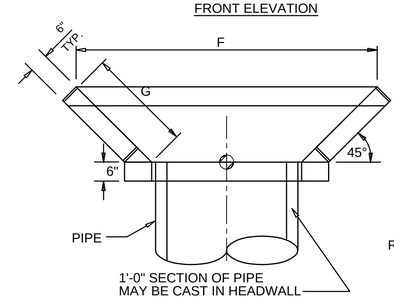
NTS

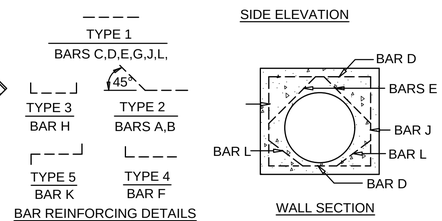


BASE SECTION | WING SECTION | BASE AND WALL SECTION

VARIABLE DIMENSIONS (CONCRETE PIPE)											
CU. YDS. CONC.	INSIDE DIA. PIPE	AREA PIPE OPENING	A	B	C	D	E	F	G	WT.	BASE AREA
0.43	18"	1.76	3'-5"	2'-4"	3'-4 1/2"	2'-0"	1'-5"	4'-10"	2'-0"	1783	8.30
0.50	21"	2.40	3'-8 1/2"	2'-6"	3'-8"	2'-3 1/2"	1'-6"	5'-3 1/2"	2'-1 1/2"	2020	9.40
0.51	24"	3.14	4'-0"	2'-9"	3'-11"	2'-7"	1'-8"	5'-11"	2'-4 1/2"	2063	11.90
0.79	30"	4.91	4'-6 1/2	3'-1"	4'-5 1/2"	3'-1 1/2"	2'-0"	7'-1 1/2"	2'-10"	3182	15.10
1.00	36"	7.07	8'-1"	3'-5"	5'-0"	3'-8"	2'-4"	8'-0"	3'-3 1/2"	4060	19.60







NOTES:

1. ALL CONCRETE MUST BE 4000 PSI
2. REINF. STEEL MUST BE #4 BARS, GRADE 60.
3. PLACE REINF. 2" CLEAR MIN.
4. CHAMFER ALL EXPOSED EDGES 3/4"

A6 HEADWALL (GDOT 1125)

NTS

GEORGIA REGISTERED No. 36672 PROFESSIONAL ENGINEER 1/21/2026 JASON T. SHEPHERD

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: J. SHEPHERD
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CHECKED BY: M. PAREDES
SUBMITTED BY: J. SHEPHERD
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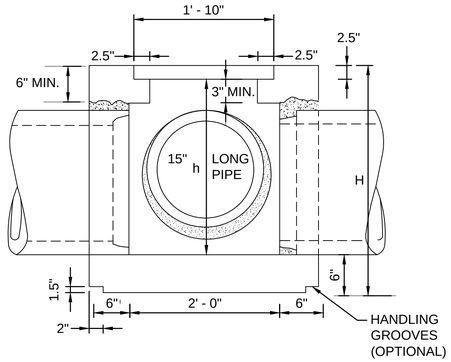
FY25, PN: 69262

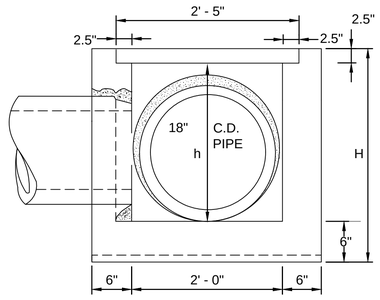
STORM DRAINAGE DETAILS - 3

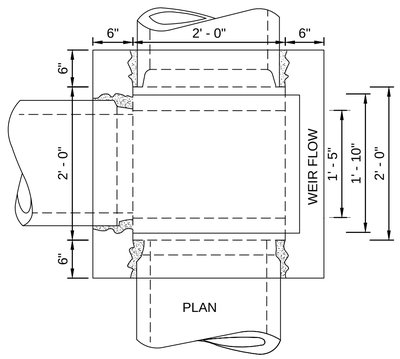
SHEET ID
CG503

READY TO ADVERTISE (RTA)

TYPE "A"







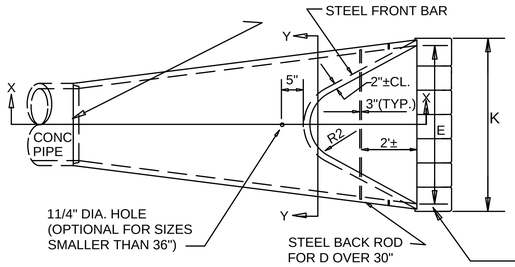
DIMENSIONS FOR DROP INLET TYPE "A"		
PIPE SIZE	MIN. h	MIN. H
15"	2' - 0"	2' - 8 ½"
18"	2' - 3 ½"	3' - 0"

NOTES:
1. ALL MATERIALS MUST COMPLY WITH APPLICABLE GDOT STANDARDS.
2. SEE GDOT 1019AP FOR INFORMATION.

A1 DROP INLET (GDOT 1019AP - TYPE A)

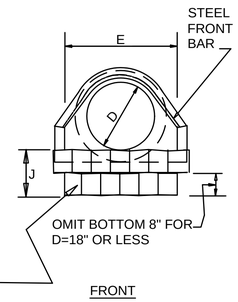
NTS

END SECTION TO PIPE JOINT SHOWN AS TYPICAL: HUB END ON OUTLET END SECTIONS; SOCKET END ON INLET END SECTIONS



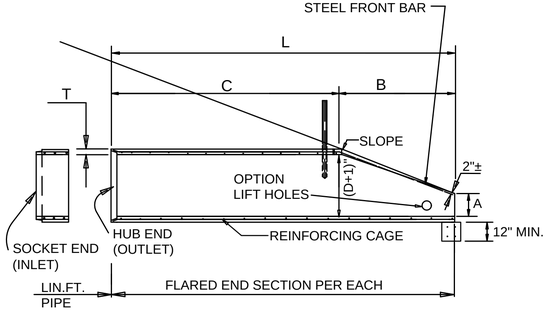
PLAN

INSTALLATION: (D OVER 30") CABLE,CHAIN,OR LIFTING PIN WILL EXTEND THRU 1-1/4" HOLE WITH A PLATE OR REBAR CONNECTED INSIDE THE CONC. SECTION TO PROVIDE ADEQUATE BEARING AREA OR A LIFTING ASSEMBLY DEVICE MAY BE USED TO GIVE 3 LIFT POINTS. HOOKS CON-NECTED DIRECTLY TO CONCRETE IS NOT PERMITTED DAMAGE FROM IMPROPER HANDLING SHALL BE CAUSE FOR REJECTION.

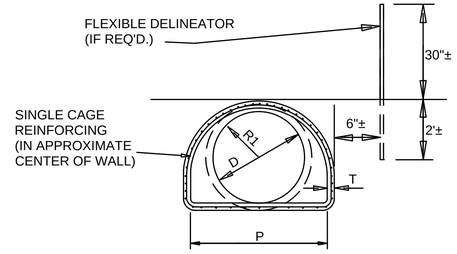


FRONT

NOTE:
DO NOT CUT CONCRETE PIPE. USE FULL LENGTH SECTIONS ONLY. WARP SLOPE TO CONFORM WITH PIPE LENGTH AND END SECTION.



SECTION X-X



SECTION Y-Y

REINFORCING CAGE:
1. WIRE FABRIC HAVING SAME STEEL AREA AS INNER CAGE FOR CL. III PIPE, AASHTO M-170, BUT PLACED IN CENTER OF WALL.
2. ALTERNATE; #3 BARS SPACED 12"± LONGITUDINALLY WITH #2 BARS TRANSVERSELY AT 6"O.C. MAX. SPACING, SPOT WELDED OR TIED TO FORM CAGE. (BACK RODS MAY BE OMITTED.)

DIMENSIONS AND REINFORCING FOR CONCRETE FLARED END SECTIONS (± 1" TOLERANCE)												OUTLET TOEWALL (IF REQ'D)	
PIPE DIA.	FRONT BAR	BACK RODS	SLOPE	A	B	C	L	E	P	R1	R2	K = E +2'	CU. YDS. CONC.
12"	1-#3x5'4"	NOT REQ'D.	2.2:1	4"	2'0"	4'1"	6'1"	2'0"	1'8"	10"	9"	4' - 0"	0.148
15"	1-#3x6'0"	NOT REQ'D.	2.2:1	6"	2'3"	3'10"	6'1"	2'6"	2'0"	1'0"	11"	4' - 6"	0.167
18"	1-#3x7'2"	NOT REQ'D.	2.2:1	9"	2'3"	3'10"	6'1"	3'0"	2'5"	1'4"	1'0"	5' - 0"	0.185
24"	1-#3x9'10"	NOT REQ'D.	2.4:1	10"	3'8"	2'6"	6'2"	4'0"	2'9"	1'5"	1'2"	6' - 0"	0.222
30"	1-#4x11'8"	NOT REQ'D.	2.4:1	12"	4'6"	1'8"	6'2"	5'0"	3'1"	1'6"	1'3"	7'- 0"	0.259
36"	1-#4x13'10"	2-#4x6'3"	2.4:1	15"	5'3"	2'11"	8'2"	6'0"	4'0"	2'0"	1'8"	8' - 0"	0.296
42"	1-#4x13'10"	2-#4x7'4"	2.4:1	21"	5'3"	2'11"	8'2"	6'6"	4'6"	2'4"	1'10"	8' - 6"	0.315

NOTES:
1. ALL MATERIALS MUST COMPLY WITH APPLICABLE GDOT STANDARDS.
2. SEE GDOT 1120 FOR INFORMATION.
3. SPECIFIED REINFORCING IS MINIMAL AND MAY BE INCREASED AT PRODUCERS OPTION TO AID CASTING & HANDLING. ALTERNATE REINFORCEMENT PERMITTED IF APPROVED.
4. "C" AND "L" DIMENSION MAY BE MEASURED TO EITHER END OF JOINT CONNECTION AT PIPE.

A5 FLARED END SECTION (GDOT 1120)

NTS

GEORGIA LICENSE NO. 36672 PROFESSIONAL ENGINEER JASON T. SHEPHERD 1/21/2026

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

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CONTRACT NO.:
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FILENAME: 121450_CS500.dwg
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DESIGNED BY: J. SHEPHERD
DRAWN BY: B. TSUI
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SUBMITTED BY: J. SHEPHERD

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SOF MILITARY WORKING DOG KENNEL
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STORM DRAINAGE DETAILS - 4

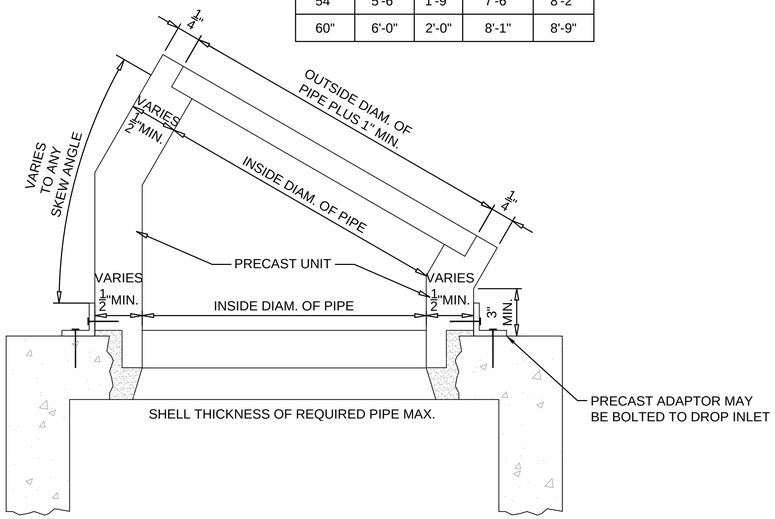
SHEET ID
CG504

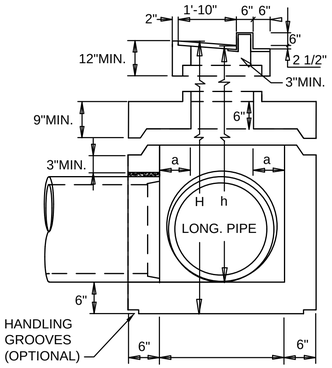
READY TO ADVERTISE (RTA)

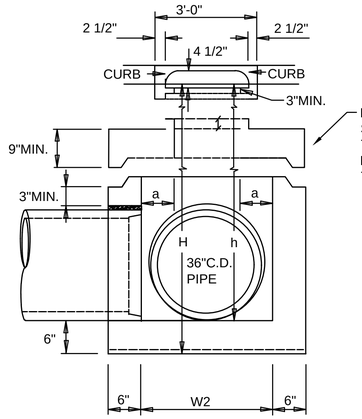
NOTES:

1. ALL MATERIALS SHALL COMPLY WITH APPLICABLE GDOT STANDARDS.
2. SEE GDOT 1019AP FOR INFORMATION.
3. THE PRECAST ADAPTOR, WHERE USED, IS TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR AT NO EXTRA COST.

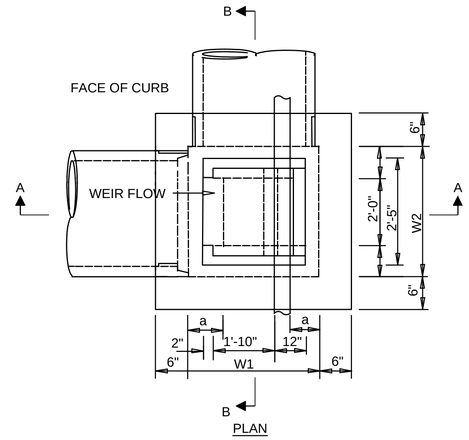
TYPICAL DROP INLET DIMENSIONS				
PIPE SIZE	TYPE "E"			
	W1 OR W2	a	MIN h	MIN h
15"	2'-0"		2'-7"	3'-3 1/2"
18"	2'-0"		2'-10"	3'-6 1/2"
24"	3'-0"	0'-6"	4'-7"	5'-3"
30"	3'-6"	0'-9"	5'-2"	5'-10"
36"	4'-0"	1'-0"	5'-9"	6'-3"
42"	4'-6"	1'-3"	6'-4"	7'-0"
48"	5'-0"	1'-6"	6'-11"	7'-7"
54"	5'-6"	1'-9"	7'-6"	8'-2"
60"	6'-0"	2'-0"	8'-1"	8'-9"



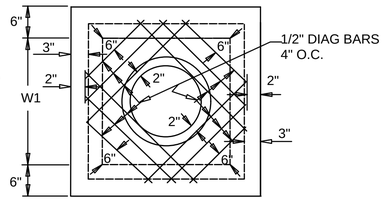




IF THIS SWIVEL SECTION SLAB IS USED TO REDUCE TIE W OR W1 DIMENSIONS, INCREASE THE MIN. THICKNESS TO 9"



PLAN



DROP INLET ADAPTER

A1 CATCH BASIN (GDOT 1019AP - TYPE E)

NTS

E

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: J. SHEPHERD
DRAWN BY: B. TSUI
CHECKED BY: M. PAREDES
SUBMITTED BY: J. SHEPHERD
SIZE: ANSI D
ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE 141-26
FILENAME: 121450_CS500.dwg

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVENUE
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN: 69262

STORM DRAINAGE DETAILS - 5

SHEET ID
CG505

GEORGIA REGISTERED NO. 36672 PROFESSIONAL ENGINEER 1/21/2026 JASON T. SHEPHERD

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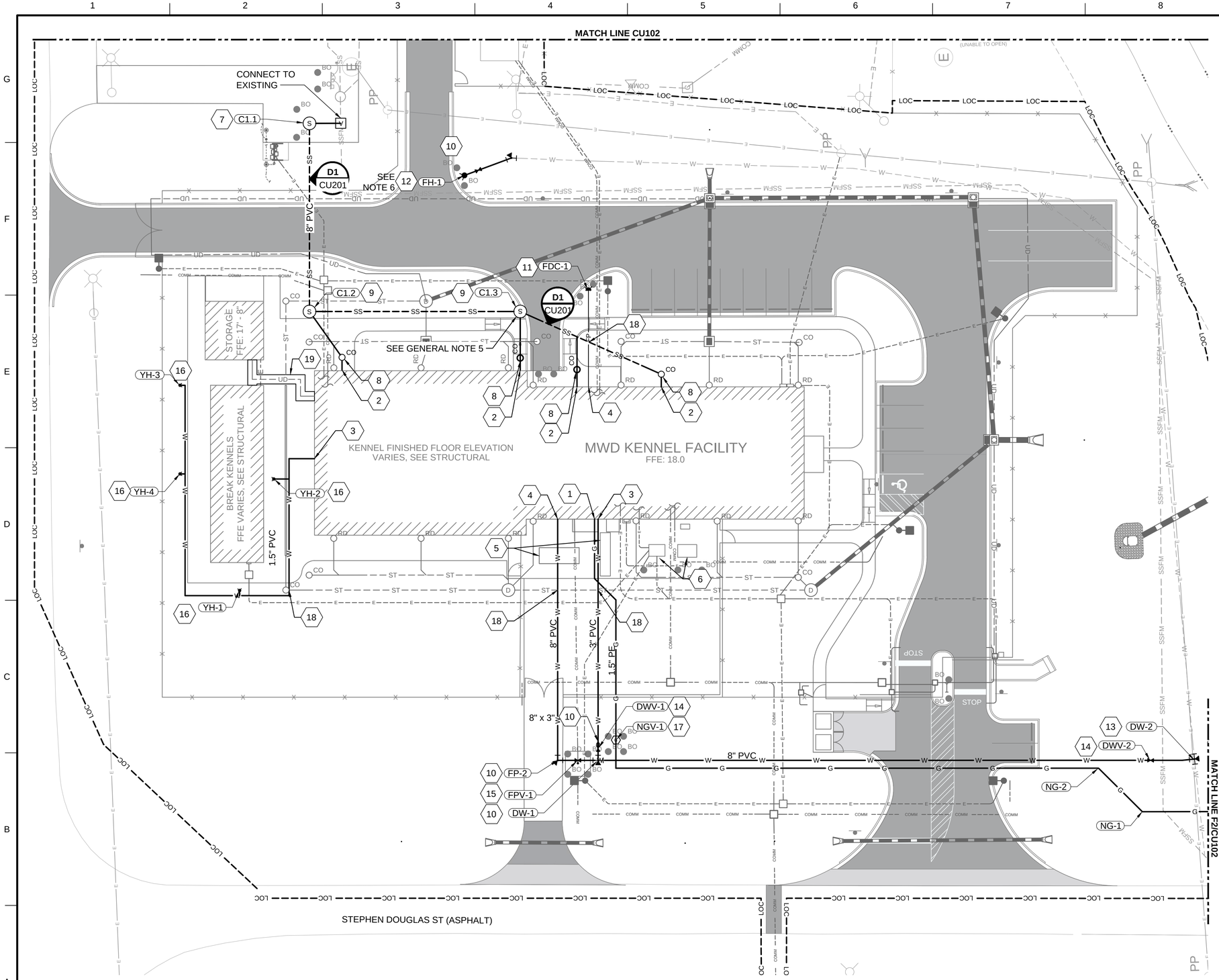

A1 UTILITY PLAN - 1

SCALE 1" = 20'

0 10' 20' 40'

TRUE NORTH

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GENERAL NOTES

1. SEE NOTES ON CU102.
2. SEE GC-002 FOR CIVIL GENERAL NOTES.
3. ALL ROOF DRAIN PIPING SHALL BE A MINIMUM OF 8" HDPE (UNLESS OTHERWISE NOTED) AND 1.0% SLOPE.
4. SEE SHEET CU201 FOR UTILITY PROFILES AND STRUCTURE TABLES.
5. ROTATE MANHOLE AS NECESSARY SO LID IS BEHIND CURB IN GRASSED AREA.
6. FIELD LOCATE SSFM AND ADJUST FIRE HYDRANT LOCATION TO AVOID SSFM. PROVIDE AT LEAST 3' SEPARATION BETWEEN THE FIRE HYDRANT AND SSFM.

(#) SHEET KEYNOTES

1. NATURAL GAS CONNECTION; SEE MECHANICAL DRAWINGS FOR CONTINUATION
2. SANITARY SEWER BUILDING CONNECTION; SEE PLUMBING FOR CONTINUATION
3. DOMESTIC WATER BUILDING CONNECTION; SEE PLUMBING FOR CONTINUATION
4. FIRE SERVICE BUILDING CONNECTION; SEE FIRE PROTECTION FOR CONTINUATION
5. MECHANICAL EQUIPMENT PAD; SEE MECHANICAL AND STRUCTURAL DRAWINGS
6. ELECTRICAL EQUIPMENT PAD; SEE ELECTRICAL AND STRUCTURAL DRAWINGS
7. SANITARY LIFT STATION — A6 / CU504
8. CLEAN-OUT — D1 / CU503
9. SANITARY SEWER MANHOLE — A1 / CU504
10. PRESSURE PIPE FITTING; TYPE AS INDICATED — A1 / CU502
11. REMOTE FIRE DEPARTMENT CONNECTION — E6 / CU503
12. FIRE HYDRANT — D5 / CU501
13. TAPPING SLEEVE — F1 / CU501
14. GATE VALVE — A6 / CU503
15. POST INDICATOR VALVE — A4 / CU503
16. YARD HYDRANT — A1 / CU503
17. NATURAL GAS METER — A5 / CU501
18. WATER/SEWER LINE CROSSING — E1 / CU502
19. UTILITY ACCESS TRENCH AND LID FOR FIRE SUPPRESSION PIPE (REFER TO FIRE PROTECTION DRAWINGS FOR ADDITIONAL DETAILS) — A1 / CU505

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY:	J. SHEPHERD
DRAWN BY:	B. TSUI
CHECKED BY:	M. PAREDES
SUBMITTED BY:	J. SHEPHERD
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HUNTER army AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN: 69262

UTILITY PLAN - 1

GEORGIA PROFESSIONAL ENGINEER
No. 36672
PROFESSIONAL
1/21/2026
JASON T. SHEPHERD

SHEET ID
CU101

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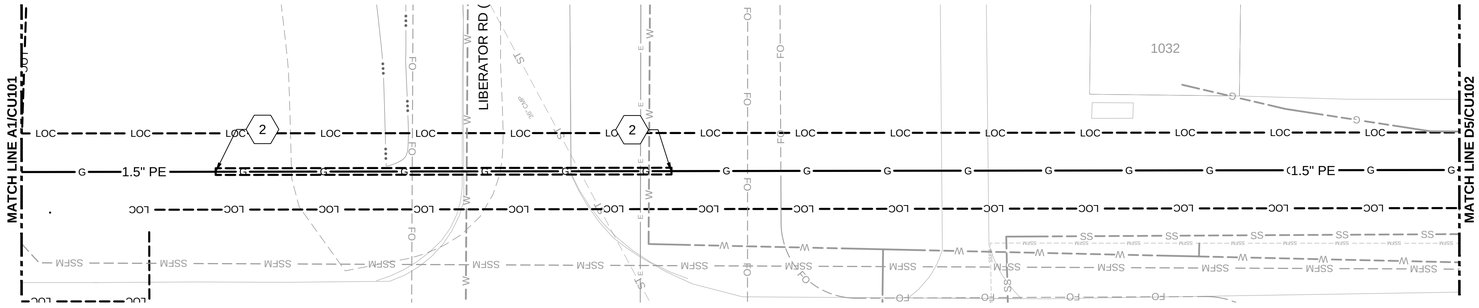
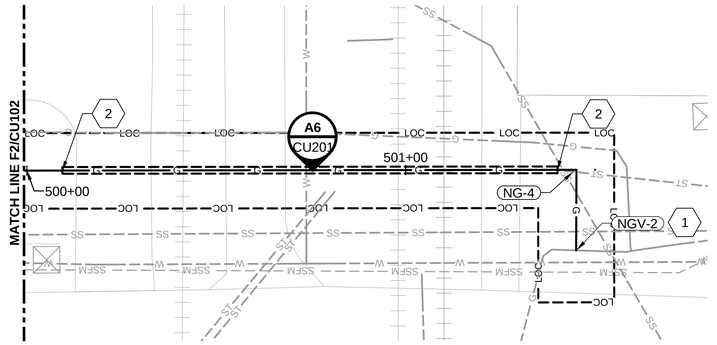


F2 GAS CONNECTION

SCALE 1" = 20'

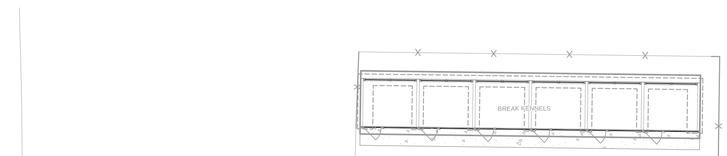
0 10' 20' 40' TRUE NORTH

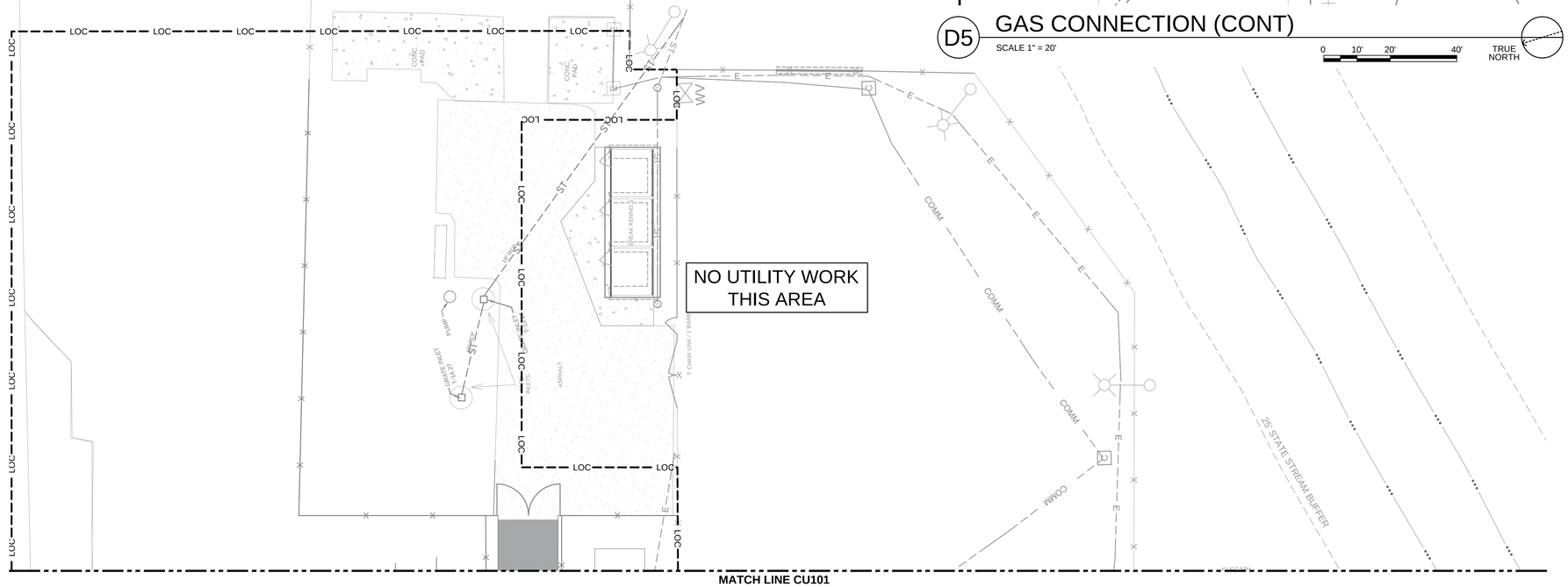


D5 GAS CONNECTION (CONT)

SCALE 1" = 20'

0 10' 20' 40' TRUE NORTH





A1 UTILITY PLAN - 2

SCALE 1" = 20'

0 10' 20' 40' TRUE NORTH

GENERAL NOTES

1. SANITARY SEWERS (INCLUDING LATERALS) AND STORM SEWERS SHOULD CROSS UNDER WATER MAINS WHENEVER POSSIBLE. SANITARY SEWERS AND STORM SEWERS CROSSING WATER MAINS MUST BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 18 INCHES BETWEEN THE INVERT OF THE UPPER PIPE AND THE CROWN OF THE LOWER PIPE WHENEVER POSSIBLE.
2. WHERE SANITARY SEWERS AND STORM SEWERS MUST CROSS A WATER MAIN WITH LESS THAN 18 INCHES VERTICAL DISTANCE, BOTH THE SEWER AND THE WATER MAIN MUST BE CONSTRUCTED OF DUCTILE IRON PIPE (DIP) AT THE CROSSING. (DIP IS NOT REQUIRED FOR STORM SEWERS) SUFFICIENT LENGTHS OF DIP MUST BE USED TO PROVIDE A MINIMUM SEPARATION OF 10 FEET BETWEEN ANY TWO JOINTS. ALL JOINTS ON THE WATER MAIN WITHIN 20 FEET OF THE CROSSING MUST BE MECHANICALLY RESTRAINED. A MINIMUM VERTICAL CLEARANCE OF 6 INCHES MUST BE MAINTAINED AT ALL CROSSINGS.
3. ALL CROSSINGS MUST BE ARRANGED SO THAT THE SEWER PIPE JOINTS AND THE WATER MAIN PIPE JOINTS ARE EQUIDISTANT FROM THE POINT OF CROSSING (PIPES CENTERED ON THE CROSSING).
4. WHERE A NEW PIPE CONFLICTS WITH AN EXISTING PIPE WITH LESS THAN 18 INCHES OF VERTICAL CLEARANCE, THE NEW PIPE MUST BE CONSTRUCTED OF DIP (EXCEPT STORM SEWERS) AND THE NEW PIPE MUST BE ARRANGED TO MEET THE CROSSING REQUIREMENTS ABOVE.
5. ALL UNDERGROUND WATER MAINS IN THE PROJECT WILL BE LAID TO PROVIDE A HORIZONTAL SEPARATION OF AT LEAST 3 FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND OUTSIDE OF ANY VACUUM SANITARY SEWER, STORM SEWER, STORMWATER FORCEMAIN, OR PIPELINE CONVEYING RECLAIMED WATER. WATERMAIN MUST BE LAID AT A MINIMUM DISTANCE OF 6 FEET BETWEEN THE OUTSIDE OF THE WATERMAIN AND THE OUTSIDE OF A GRAVITY SANITARY SEWER (3 FEET IF THE WATERMAIN BOTTOM IS LAID AT LEAST 6" ABOVE THE TOP OF THE SEWER) WATER MAIN MUST BE LAID AT LEAST 6 FEET HORIZONTALLY (OUTSIDE TO OUTSIDE) FROM PRESSURE SANITARY SEWER, SANITARY FORCEMAINS, OR RECLAIMED WATER LINES.
6. WHERE IT IS NOT POSSIBLE TO MAINTAIN A VERTICAL DISTANCE OF 18 INCHES IN PARALLEL INSTALLATIONS, THE WATER MAIN MUST BE CONSTRUCTED OF DIP AND THE SEWER OR THE FORCE MAIN MUST BE CONSTRUCTED OF DIP (EXCEPT STORM SEWERS) WITH A MINIMUM VERTICAL DISTANCE OF 6 INCHES. THE WATER MAIN SHOULD ALWAYS BE ABOVE THE SEWER. JOINTS ON THE WATER MAIN MUST BE LOCATED AS FAR APART AS POSSIBLE FROM JOINTS ON THE SEWER OR FORCE MAIN (STAGGERED JOINTS).
7. ALL PIPE MATERIAL MUST BE AS FOLLOWS UNLESS NOTED OTHERWISE:
   SANITARY SEWER (GRAVITY): PVC SDR 35 OR DIP CLASS 51
   SANTIARY SEWER (PRESSURE): PVC SDR 21 200 PSI
   FIRE WATER: PVC DR 14 C900 200 PSI
   DOMESTIC WATER: PVC SDR 21 200 PSI
8. ALL DIP FOR CROSSINGS MUST MEET AHJ STANDARDS AND SPECIFICATIONS.
9. CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND PAYING ALL UTILITY CONNECTION FEES AND OBTAINING ALL PERMITS REQUIRED FOR THE UTILITY CONSTRUCTION AND CONNECTIONS. THIS INCLUDES ALL FEES ASSOCIATED WITH CONNECTION CHARGES AND METERS.
10. THRUST BLOCKS OR JOINT RESTRAINTS ARE REQUIRED AT ALL TEES, BENDS, OR ELBOWS OF PRESSURIZED PIPING IN ACCORDANCE WITH THE DRAWINGS, SPECIFICATIONS, AND AHJ'S RECOMMENDATIONS.
11. SEE SHEET GC002 FOR GENERAL UTILITY, WATER UTILITY, SANITARY UTILITY, AND UTILITY STRUCTURE NOTES.
12. SEE ELECTRICAL AND TELECOMMUNICATIONS SHEETS DRAWINGS FOR MORE DETAILS.

(#) SHEET KEYNOTES

1. CONNECT TO EXIST. NG SERVICE
2. DIRECTIONAL BORE NG LINE

GEORGIA REGISTERED NO. 34672 PROFESSIONAL ENGINEER 1/21/2026 JASON T. SHEPHERD

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: J. SHEPHERD
DRAWN BY: B. TSUI
CHECKED BY: M. PAREDES
SUBMITTED BY: J. SHEPHERD
SIZE: ANSI D
ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE 141-26
FILENAME: 121450_CU100.dwg

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
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SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER army AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN: 69262

UTILITY PLAN - 2

SHEET ID
CU102

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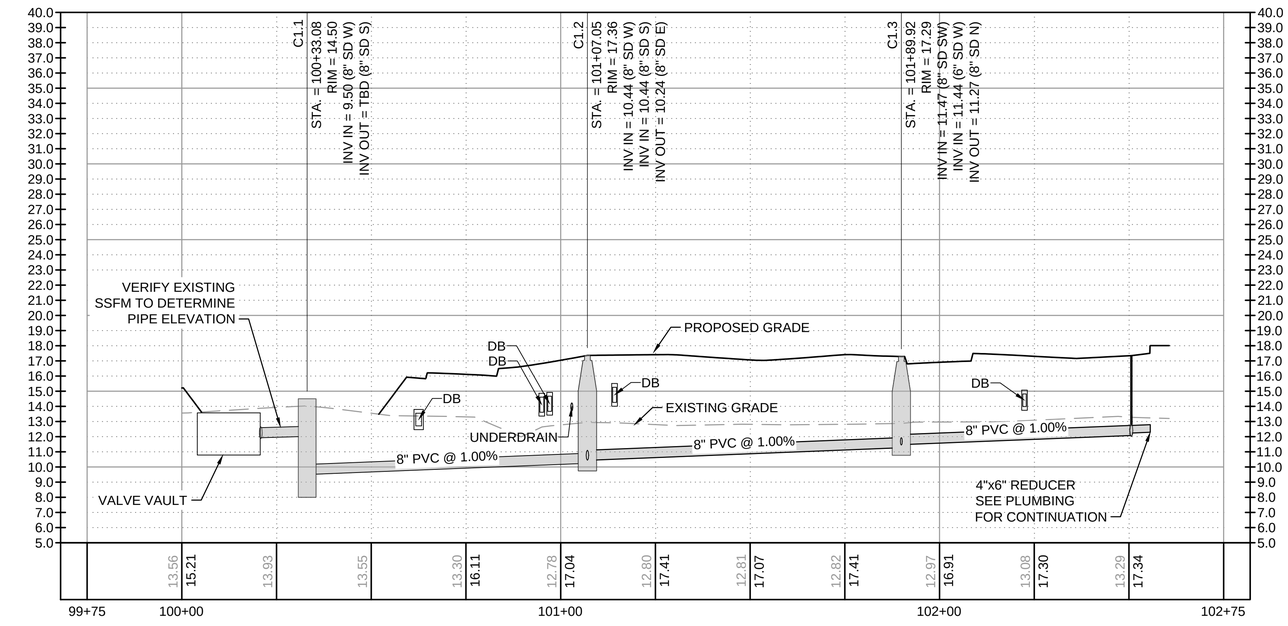


D1 SANITARY SEWER PROFILE - 1

HORIZONTAL: 1" = 20' / VERTICAL: 1" = 5'

NATURAL GAS FITTING TABLE			
FITTING NAME	NORTHING	EASTING	TYPE
NG-1	741077.03	976197.91	45 DEGREE BEND
NG-2	741088.36	976219.38	45 DEGREE BEND
NG-3	741269.49	976276.11	90 DEGREE BEND
NG-4	740550.70	976033.89	90 DEGREE BEND

NATURAL GAS STRUCTURE TABLE			
APPURTENANCE NAME	NORTHING	EASTING	TYPE
NGV-1	741266.17	976286.69	METER
NGV-2	740557.14	976013.63	SERVICE CONNECTION

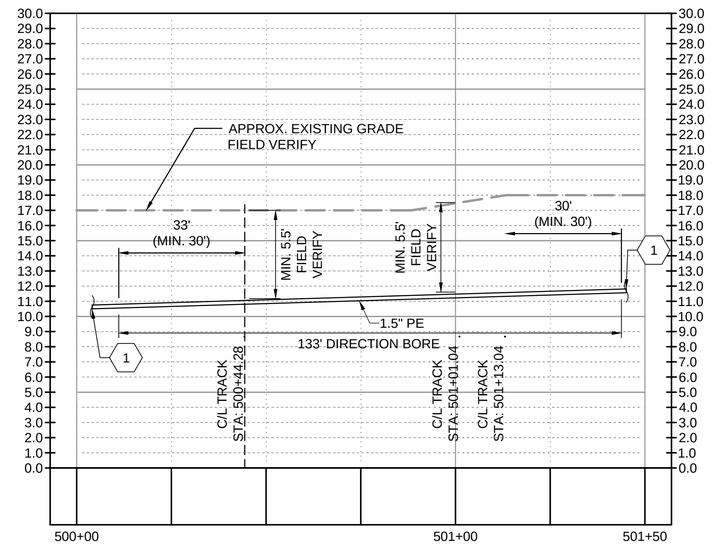
FIRE PROTECTION FITTING TABLE			
FITTING NAME	NORTHING	EASTING	TYPE
FP-1	741237.00	976517.37	22.5 DEGREE BEND
FP-2	741290.41	976285.90	90 DEGREE BEND

FIRE PROTECTION STRUCTURE TABLE			
APPURTENANCE NAME	NORTHING	EASTING	TYPE
FH-1	741256.67	976516.36	FH
FDC-1	741223.64	976458.63	REMOTE FDC
FPV-1	741282.83	976283.53	PIV

DOMESTIC WATER FITTING TABLE			
FITTING NAME	NORTHING	EASTING	TYPE
DW-1	741275.24	976281.15	8" X 8" TEE
DW-2	741051.37	976211.04	8" X 8" TEE

DOMESTIC WATER STRUCTURE TABLE			
APPURTENANCE NAME	NORTHING	EASTING	TYPE
DWV-1	741273.85	976285.60	GV
DWV-2	741067.88	976216.21	GV
YH-1	741389.82	976386.99	YH
YH-2	741363.89	976424.83	YH
YH-3	741388.07	976471.03	YH
YH-4	741398.49	976437.76	YH

SANITARY STRUCTURE TABLE				
NAME	NORTHING	EASTING	TYPE	RIM
C1.1	741308.69	976554.08	LIFT STATION	14.50
C1.2	741330.80	976483.49	MH	17.36
C1.3	741251.72	976458.72	MH	17.29
C1.4	741323.98	976462.46	CO	12.35
C1.5	741297.01	976550.44	VAULT	12.65
C1.6	741206.15	976418.61	CO	12.80



A6 NATURAL GAS PROFILE - 1

HORIZONTAL: 1" = 20' / VERTICAL: 1" = 5'

GENERAL NOTES

1. SEE GC-001 FOR LEGEND AND ABBREVIATIONS.
2. SEE GC-002 FOR CIVIL GENERAL NOTES.
3. SEE SHEETS CU101 AND CU102 FOR UTILITY PLANS.

SHEET KEYNOTES

1. DIRECTIONAL BORE NG LINE — F4 / CU504

0 10' 20' 40'
HORIZONTAL SCALE:1"=20'

0 2.5' 5' 10'
VERTICAL SCALE:1"=5'

GEORGIA REGISTERED No. 36672 PROFESSIONAL 1/21/2026 ENGINEER JASON T. SHEPHERD

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE 141-26
FILENAME: 121450_CU200.dwg

DESIGNED BY: J. SHEPHERD
DRAWN BY: B. TSUI
CHECKED BY: M. PAREDES
SUBMITTED BY: J. SHEPHERD
SIZE: ANSI D

U.S. ARMY CORPS OF ENGINEERS
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BURNS McDONNELL
8400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
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FY25, PN: 69262

UTILITY PROFILE & STRUCTURE TABLES

SHEET ID
CU201

READY TO ADVERTISE (RTA)

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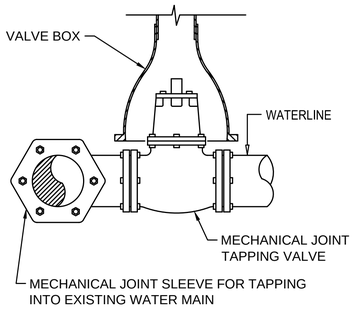
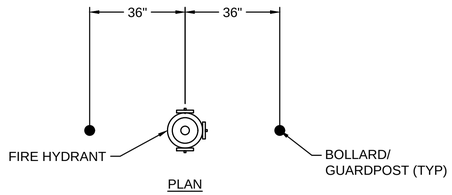
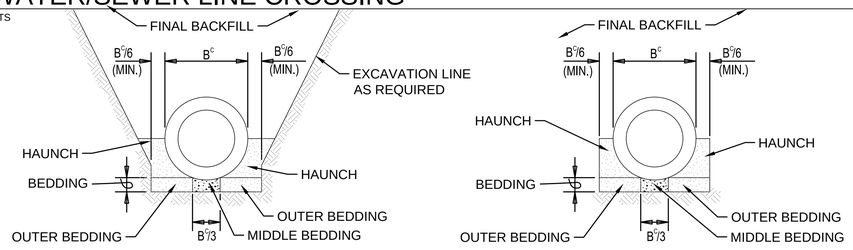


F1 TAPPING SLEEVE AND VALVE
NTS



PLAN

WATER/SEWER LINE CROSSING
NTS



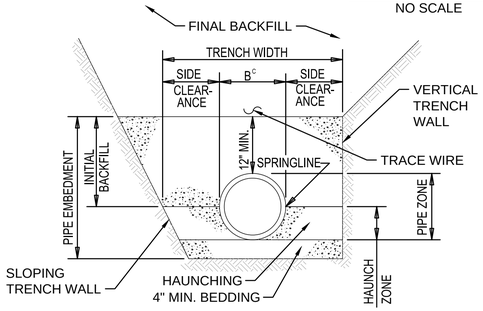
TRENCH INSTALLATIONS

EMBANKMENT INSTALLATIONS

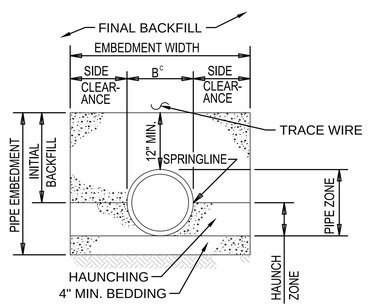
CONCRETE PIPE BEDDING NOTES:

1. MINIMUM BEDDING THICKNESS MUST BE 3 INCHES. MINIMUM BEDDING THICKNESS MUST BE INCREASED TO 6 INCHES IN ROCK CUTS.

RIGID PIPE BEDDING DETAILS
NO SCALE



TRENCH INSTALLATIONS



EMBANKMENT INSTALLATIONS

FLEXIBLE PIPE BEDDING DETAILS
NO SCALE

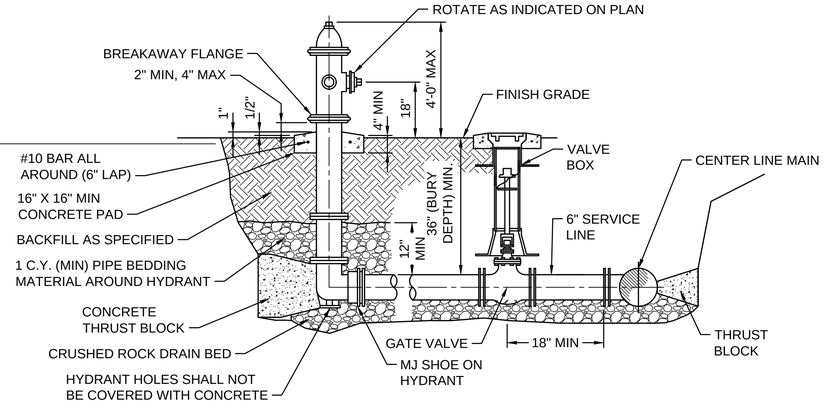
PLASTIC PIPE BEDDING NOTES:

1. EMBEDMENT SIDE CLEARANCE MUST BE 12 INCHES FOR PIPES 12 TO 18 INCHES IN DIAMETER AND 18 INCHES FOR PIPE GREATER THAN 18 INCHES IN DIAMETER.
2. BEDDING DEPTH MUST BE INCREASED TO 6" IN ROCK CUTS.

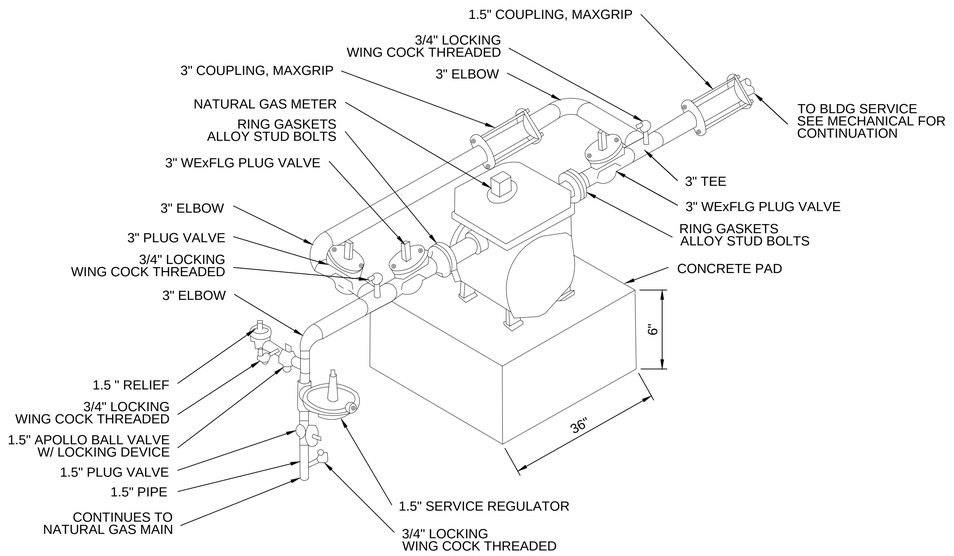
GENERAL NOTES:

1. EXCAVATION AND TRENCHING MUST BE IN ACCORDANCE WITH THE SPECIFICATIONS.
2. CONCRETE PIPES MUST BE PROTECTED BY A MINIMUM OF 3 FEET OF COVER PRIOR TO PERMITTING HEAVY CONSTRUCTION EQUIPMENT TO PASS OVER THEM DURING CONSTRUCTION.
3. MINIMUM COVER FOR CONSTRUCTION LOADS OVER PLASTIC PIPES MUST BE AS SPECIFIED IN ASTM D 2321.

A1 TYPICAL PIPE TRENCH
NTS



D5 FIRE HYDRANT
NTS



A5 NATURAL GAS METER
NTS

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY:	J. SHEPHERD
DRAWN BY:	B. TSUI
CHECKED BY:	M. PAREDES
SUBMITTED BY:	J. SHEPHERD
SIZE:	ANSI D
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SOF MILITARY WORKING DOG KENNEL
FY'25, PN: 69262

UTILITY DETAILS - 1

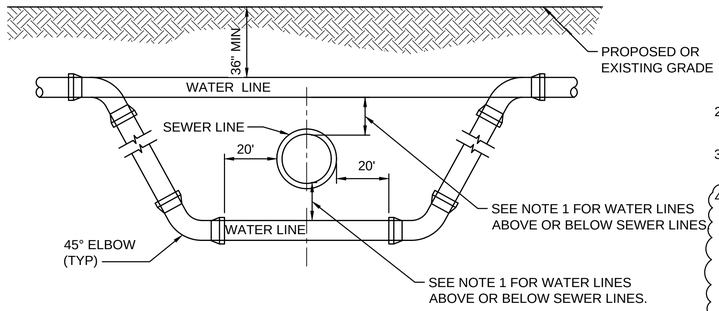
SHEET ID
CU501

GEORGIA REGISTERED
No. 36572
PROFESSIONAL ENGINEER
1/21/2026
JASON T. SHEPHERD

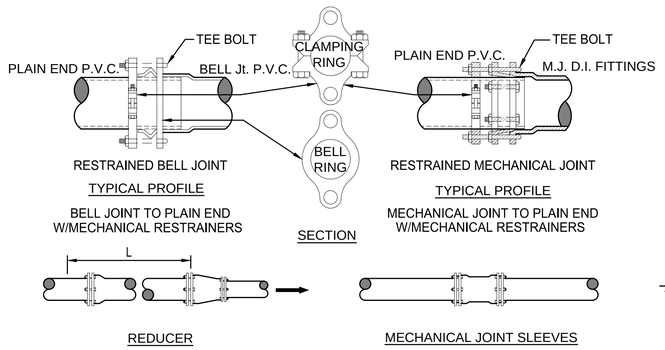
READY TO ADVERTISE (RTA)

NOTES:

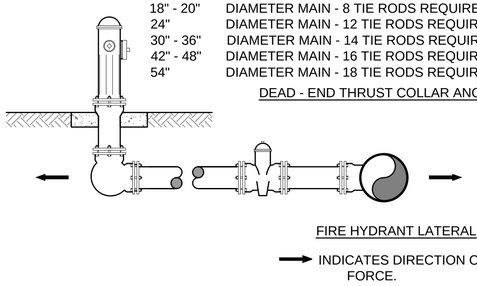
1. ALL SANITARY SEWER LINES THAT CROSS LESS THAN 24 INCHES ABOVE OR BELOW WATER MAINS OR SERVICE LINES MUST BE SEAMLESS PVC PIPE FOR 20 FEET EACH SIDE OF THE CENTERLINE OF THE CROSSING. IF THERE ARE NO JOINTS IN THE SEWER PIPE WITHIN THE 20 FEET OF THE WATER PIPE CROSSING THEN THE SEWER LINE MUST BE TESTED IN ACCORDANCE WITH THE SPECIFICATIONS FOR GRAVITY SEWER PIPE. IF THE SEWER PIPE HAS JOINTS WITHIN 20 FEET OF THE CROSSING THAN THAT SEGMENT OF SEWER PIPE MUST BE TESTED IN ACCORDANCE WITH THE SPECIFICATIONS FOR PRESSURE PIPE. CONTRACTOR MAY LOWER WATER LINES TO CLEAR MORE THAN 24 INCHES BELOW THE SEWER LINE OR RAISE THEM TO CLEAR MORE THAN 24 INCHES ABOVE THE SEWER LINE BUT MUST MAINTAIN THE MINIMUM BURY DEPTH/COVER OF 36 INCHES ON ALL WATER MAINS AND SERVICE LINES.
2. SEE DETAIL A2, SHEET CU502 FOR LENGTH OF EXTENSION OF PIPE AND RESTRAINED JOINTS.
3. A BORED CROSSING MAY BE REQUIRED BY THE ENGINEER.
4. CONTRACTOR MAY USE ONE OF THE FOLLOWING OPTIONS AT SEWER/WATER CROSSINGS:
   - 4.1. ENCASEMENT OF THE WATER MAIN OR SEWER IN A CARRIER PIPE CONSTRUCTED OF WATER MAIN MATERIALS, EXTENDING ON EACH SIDE OF THE CROSSING UNTIL AT LEAST 10 FEET SEPARATES THE TWO PIPES AND BE SUBJECTED TO PRESSURE TESTS.
   - 4.2. THE SEWER HAS A STRUCTURAL LINING THAT MEETS ASTM F1216 EXTENDING ON EACH SIDE OF THE CROSSING UNTIL AT LEAST 10 FEET SEPARATES THE TWO PIPES IN LIEU OF THESE CROSSING REQUIREMENTS.

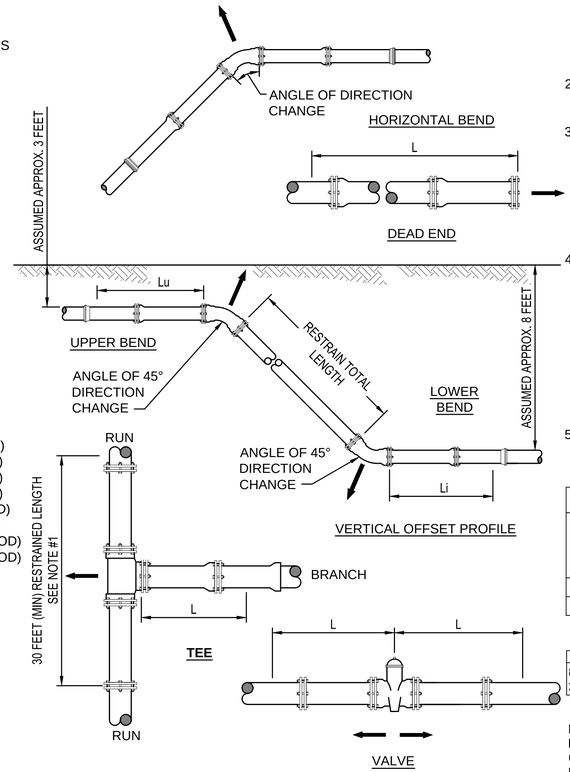


E1 WATER/SEWER LINE CROSSING
NTS



3" - 8"	DIAMETER MAIN - 2 TIE RODS REQUIRED PER JOINT (3/4" ROD)
10" - 12"	DIAMETER MAIN - 4 TIE RODS REQUIRED PER JOINT (3/4" ROD)
14" - 16"	DIAMETER MAIN - 6 TIE RODS REQUIRED PER JOINT (3/4" ROD)
18" - 20"	DIAMETER MAIN - 8 TIE RODS REQUIRED PER JOINT (3/4" ROD)
24"	DIAMETER MAIN - 12 TIE RODS REQUIRED PER JOINT (3/4" ROD)
30" - 36"	DIAMETER MAIN - 14 TIE RODS REQUIRED PER JOINT (1" ROD)
42" - 48"	DIAMETER MAIN - 16 TIE RODS REQUIRED PER JOINT (1 1/4" ROD)
54"	DIAMETER MAIN - 18 TIE RODS REQUIRED PER JOINT (1 1/4" ROD)





A1 PRESSURE PIPE FITTING
NTS

DUCTILE IRON PIPE RESTRAINT NOTES:

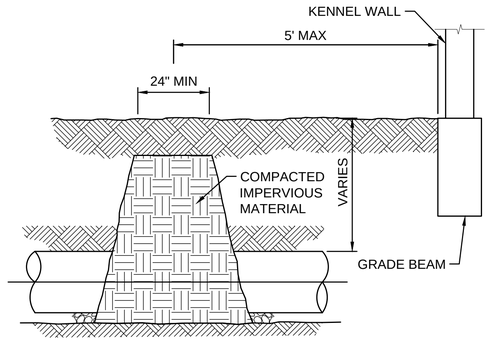
1. ASSUMPTIONS: PVC, SAFETY FACTOR=1.5, TEST PRESSURE=150PSI, SOIL=CL, TRENCH TYPE 3, DEPTH OF COVER=48 INCHES. FOR D.I.P. W/POLY WRAP, USE RESTRAINT JOINT SCHEDULE FOR PVC PIPE.
2. BENDS AND VALVES: MUST BE RESTRAINED ON EACH SIDE OF FITTING.
3. VERTICAL OFFSETS: ARE APPROX. 4 FEET COVER ON TOP AND APPROX. 9 FEET COVER ON BOTTOM. PER THE DETAILS, Lu IS THE RESTRAINED LENGTH FOR THE UPPER (TOP) LEVEL. Li IS THE RESTRAINED LENGTH FOR THE LOWER (DEEPER) LEVEL. ASSUME 45 DEGREE BENDS.
4. TEES: TOTAL LENGTH BETWEEN FIRST JOINTS OR RESTRAINED LENGTH ON EITHER SIDE OF TEE (RUN) MUST BE A TOTAL DISTANCE OF 3 FEET (MIN). SEE SCHEDULE ABOVE FOR RESTRAINT LENGTH ON TEE "BRANCH" LINE.THE PROJECT ENGINEER CAN INCREASE THIS DISTANCE TO REDUCE THE RESTRAINS REQUIRED ON THE BRANCH SIDE. ANY CHANGES MUST BE APPROVED BY THE ENGINEER.
5. HDPE TO D.I.P. TRANSITIONS: THE D.I.P. PIPE SIDE MUST BE RESTRAINED 35 FT (MIN).

D.I. PIPE FITTING, PLUGS & VALVES - L (FT.)

NOMINAL PIPE SIZE (IN.)	HORIZONTAL BENDS				VERTICAL BENDS			VALVES OR DEAD ENDS L (FT.)
	90° BENDS L (FT.)	45° BENDS L (FT.)	22.5° BENDS L (FT.)	11.25° BENDS L (FT.)	45° BENDS L (FT.)	22.5° BENDS L (FT.)	11.25° BENDS L (FT.)	
8	26	11	6	3	31	15	8	51
2	13	6	3	2	15	8	4	25

D.I. TEE
8" x 8" x 2" TEE, 11' RUN: 1 FT
2" x 2" x 2" TEE, 11' RUN: 1 FT

NOTE: IF A DIFFERENT TEE AND RUN LENGTH IS REQUIRED OTHER THAN WHAT IS SHOWN, CONTRACTOR MUST SUBMIT PROPOSED DESIGN TO ENGINEER FOR REVIEW.



C8 IMPERVIOUS TRENCH SECTION
NTS

MARK	DESCRIPTION	DATE
1	WATER DETAILS UPDATE	08/12/25

US Army Corps of Engineers®

DESIGNED BY: J. SHEPHERD	ISSUE DATE: JANUARY, 2026
DRAWN BY: B. TSUI	SOLICITATION NO.: W912HN-26-B-A003
CHECKED BY: M. PAREDES	CONTRACT NO.:
SUBMITTED BY: J. SHEPHERD	CATEGORY CODE 141-26
SIZE ANSI D	FILENAME: 121450_CS500.dwg

U.S. ARMY CORPS OF ENGINEERS
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BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER army AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN: 69262

UTILITY DETAILS - 2

SHEET ID
CU502

GEORGIA REGISTERED No. 36672 PROFESSIONAL ENGINEER 1/21/2026 JASON T. SHEPHERD

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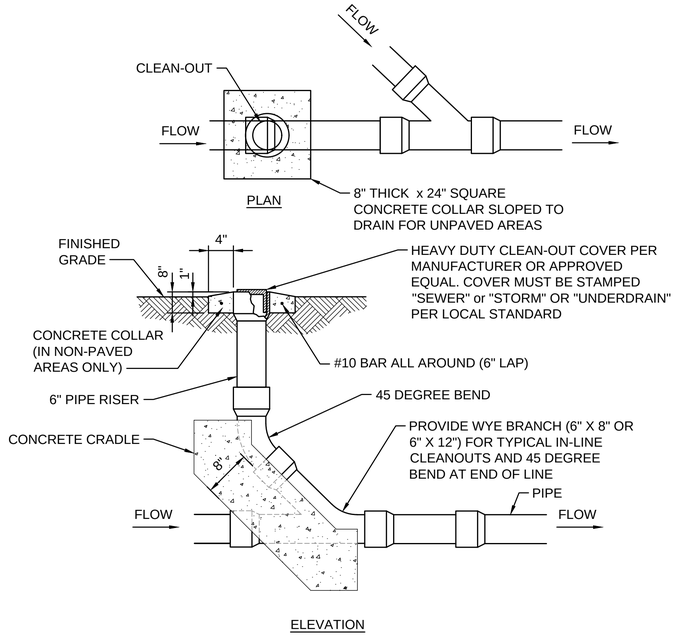
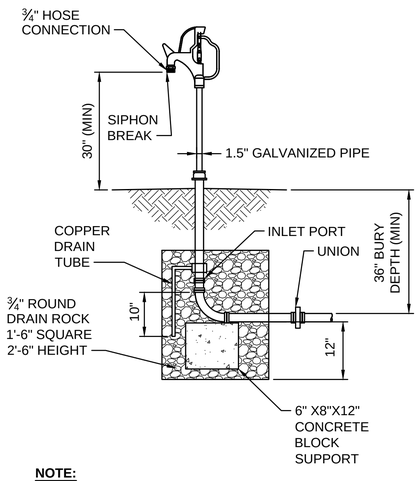


NOTES:

1. CLEANOUTS LOCATED IN VEHICULAR AREAS MUST BE TRAFFIC RATED.
2. CLEANOUTS LOCATED IN PAVED AREAS MUST BE INSTALLED FLUSH WITH FINAL GRADING.
3. CONCRETE COLLAR MAY BE LOWERED ON RISER ASSEMBLY TO ACCOMMODATE SPECIAL FINISH GRADE.

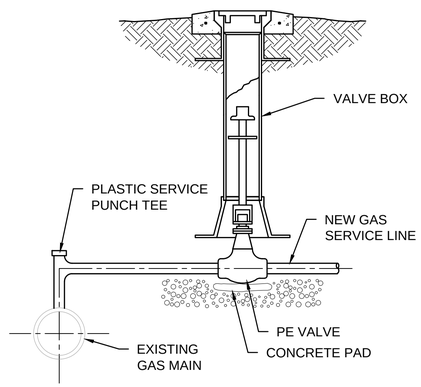
D1 CLEAN-OUT
NTS



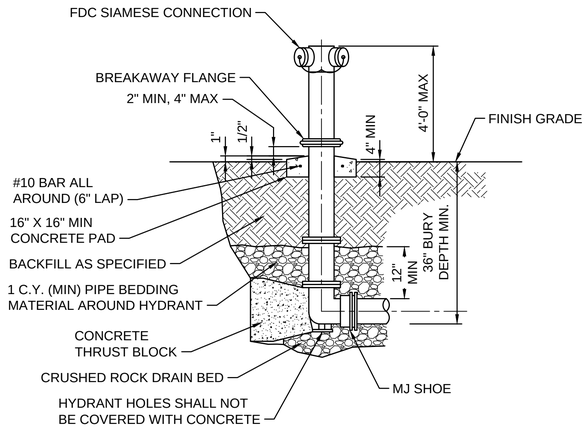
NOTE:

1. WHERE CONCRETE PAD IS REQUIRED IN GRASSED AREAS, CONCRETE PAD SHALL BE 8" (MIN) THICK X 24" SQUARE (MIN).

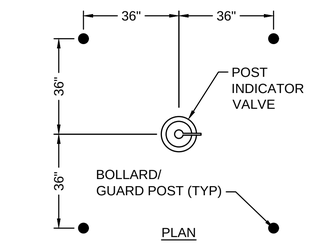
A1 YARD HYDRANT
NTS

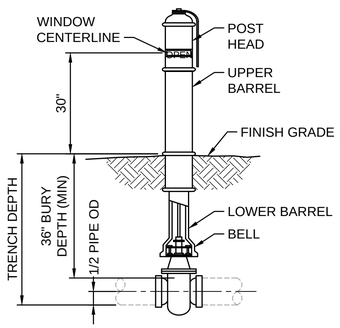


E4 GAS SERVICE CONNECTION
NTS



E6 REMOTE FIRE DEPARTMENT CONNECTION
NTS

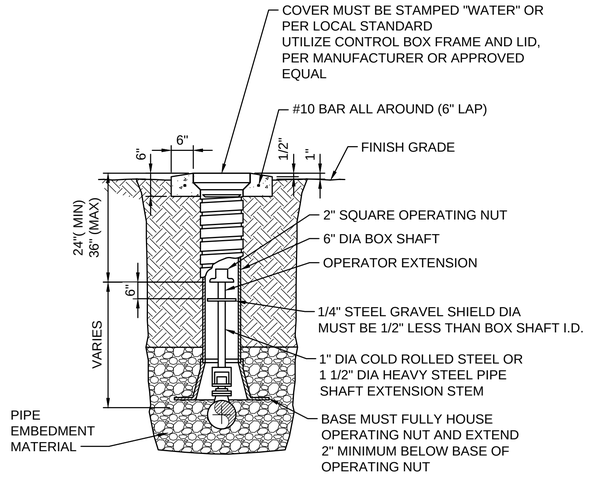




NOTE:

1. WHERE CONCRETE PAD IS REQUIRED IN GRASSED AREAS, CONCRETE PAD SHALL BE 8" (MIN) THICK X 24" SQUARE (MIN).

A4 POST INDICATOR VALVE
NTS



NOTES:

1. VALVE BOX MUST NOT REST ON OPERATING ASSEMBLY.
2. VALVE BOXES LOCATED IN VEHICULAR AREAS MUST BE TRAFFIC RATED.
3. VALVE BOXES LOCATED IN PAVED AREAS MUST BE INSTALLED FLUSH WITH FINAL GRADING.
4. CONCRETE COLLAR MAY BE LOWERED ON RISER ASSEMBLY TO ACCOMMODATE SPECIAL FINISH GRADING.
5. VALVE BOX MUST BE PAINTED WITH HEAVY COAT OF BITUMINOUS PAINT.
6. A CORROSIVE RESISTANT DEBRIS CAP MUST BE INSTALLED TO PREVENT DEBRIS FROM PASSING AROUND THE CAP AND DOWN INTO THE VALVE HOUSING. THE CAP MUST BE HELD IN PLACE BY A MECHANISM WHICH WILL NOT DAMAGE THE VALVE HOUSING. CAP MUST BE CONSTRUCTED TO ALLOW THE DEVICE TO BE SECURED BY A LOCK. HANDLE AND BODY OF THE CAP MUST BE INTEGRALLY COLORED AS REQUIRED BY LOCAL STANDARDS.

A6 VALVE (AS INDICATED ON PLANS)
NTS

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MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE 141-26
FILENAME: 21450_CS500.dwg

DESIGNED BY: J. SHEPHERD
DRAWN BY: B. TSUI
CHECKED BY: M. PAREDES
SUBMITTED BY: J. SHEPHERD
SIZE: ANSI D

U.S. ARMY CORPS OF ENGINEERS
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9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN: 69262

UTILITY DETAILS - 3

SHEET ID
CU503

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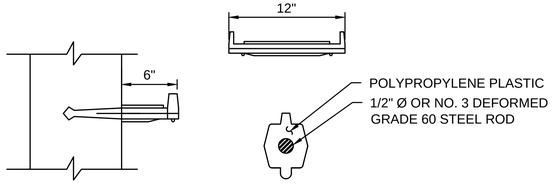
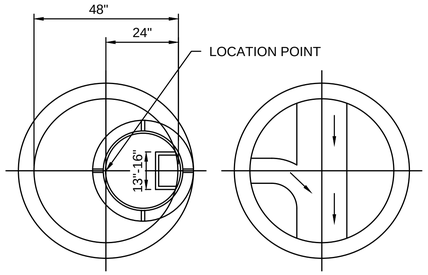


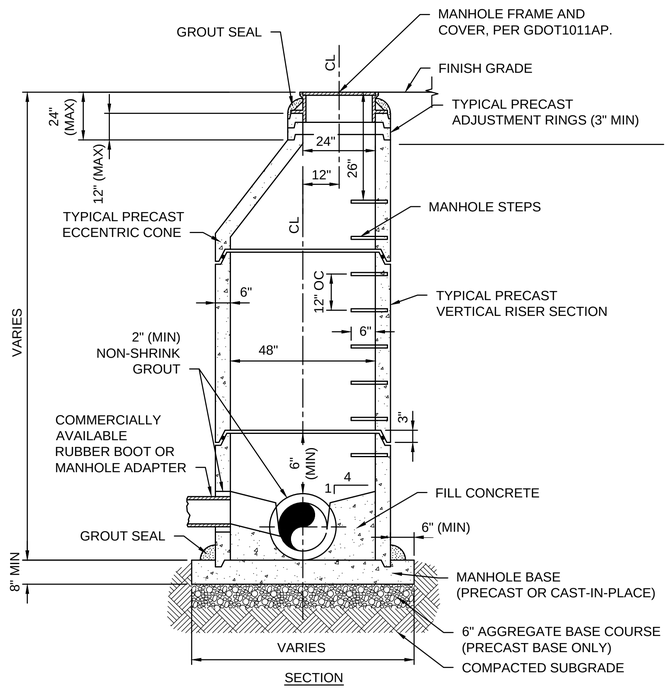
NOTES:

1. STEPS MUST BE PLACED INTO WET CONCRETE WALL DURING MANUFACTURE OR MORTORED INTO HOLES AFTER CONCRETE HAS SET.

MANHOLE STEPS DETAIL



PLAN FLOW PLAN



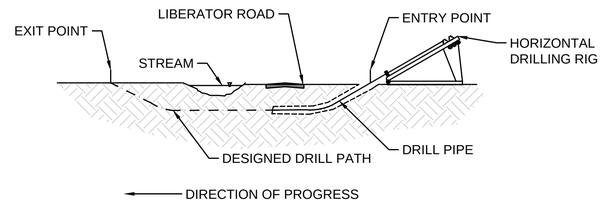
SECTION

MANHOLE NOTES:

1. ALL PRECAST MANHOLE SECTIONS MUST CONFORM TO ASTM C478.
2. LANDSIDE UTILITY STRUCTURES ARE TO BE H-20 RATED.
3. COVERS AND CASTINGS OF MANHOLES AND STRUCTURES MUST BE STAMPED PER THE APPROPRIATE UTILITY TYPE OR PER THE LOCAL STANDARDS, AND MUST BE STAMPED PER THE ORIGIN OF MANUFACTURE.
4. FRAME AND ADJUSTMENT RINGS MUST BE SEALED WITH NON-SHRINK GROUT, PREFORMED PLASTIC, OR RUBBER RING TO FORM WATERTIGHT SEAL.
5. ALL JOINTS MUST BE SEALED WITH JOINT COMPOUND OR GROUTED WITH MORTAR.
6. ANY LIFT LOOPS FOR UTILITY STRUCTURES MUST BE GROUTED FLUSH AFTER INSTALLATION.
7. ALL MANHOLE BASES (PRECAST OR CAST-IN-PLACE) MUST HAVE #4 @ 12" ON CENTER EACH WAY REINFORCEMENT.
8. ALL REINFORCEMENT MUST BE PLACED 2" CLEAR OF NEAREST FACE OF CONCRETE UNLESS INDICATED OTHERWISE.
9. IF MANHOLES ARE INDICATED ON SANITARY LINES, A 2.00 INCH DROP IN ELEVATION BETWEEN THE INCOMING AND OUTGOING SEWER MUST BE PROVIDED IN EACH MANHOLE UNLESS INDICATED OTHERWISE. INVERT FLOW CHANNELS MUST BE CONSTRUCTED TO PROVIDE SMOOTH AND UNIFORM SLOPE WITH GRADUAL TRANSITION SECTIONS.
10. PIPE MAY EXTEND 2.00" MAXIMUM BEYOND INTERIOR MANHOLE WALL.
11. MANHOLE STEPS MUST BE PLACED INTO MANHOLE WALL DURING MANUFACTURE OR MORTARED INTO HOLES AFTER CONCRETE HAS CURED.
15. MANHOLE STEPS REQUIRED FOR MANHOLES 4' OR DEEPER.

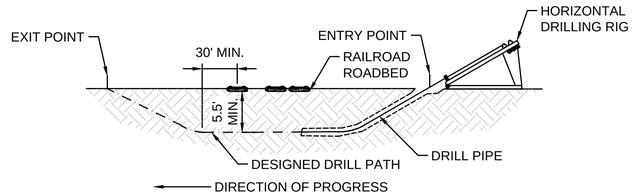
A1 SANITARY SEWER MANHOLE

NTS



DIRECTION BORE UNDERNEATH LIBERATOR ROAD

NOTES:
1. FIELD VERIFY DEPTH SO THE DESIGNED DRILL PATH AVOIDS EXISTING UTILITIES.
2. FIELD VERIFY LOCATION OF EXISTING UTILITIES.

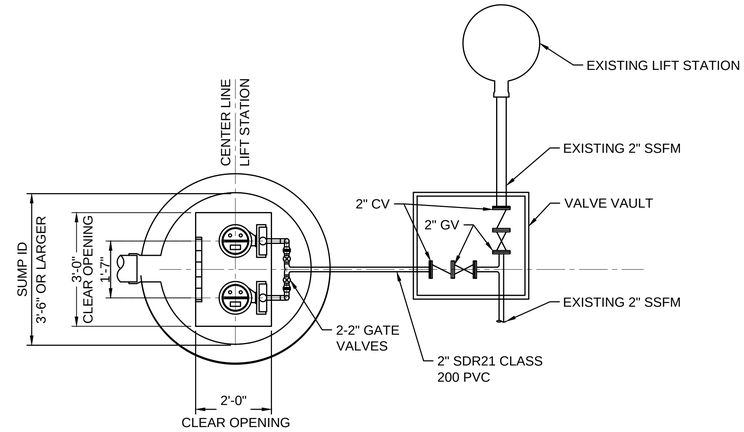


DIRECTION BORE UNDERNEATH RAILROAD

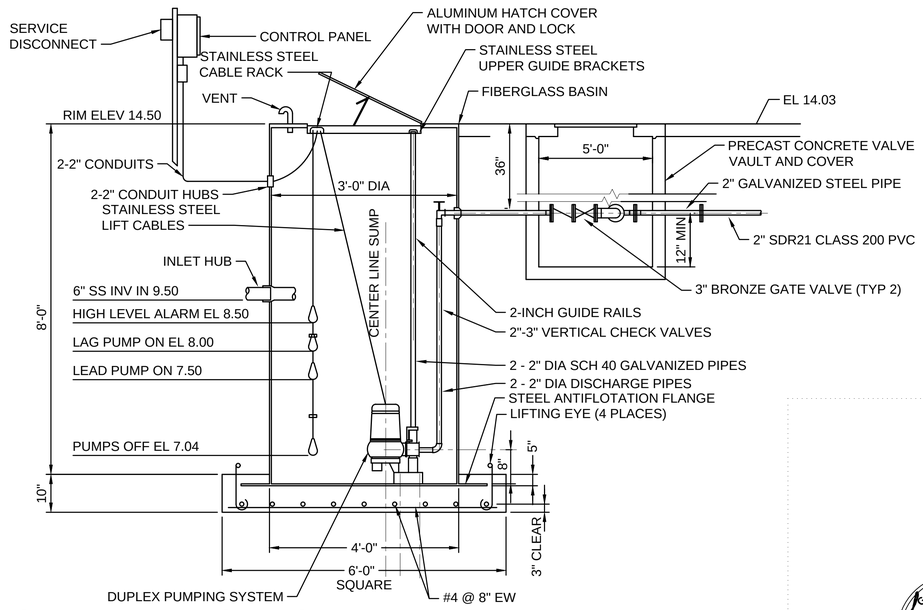
NOTES:
1. THE CASING WILL EXTEND NO LESS THAN 30 FEET BEYOND THE CENTERLINE OF THE TRACK OR THE OUTERMOST TRACK IF MULTIPLE TRACKS ARE CROSSED WHEN CASING IS SEALED AT BOTH ENDS.
2. DIRECTIONALLY BORED HDPE SHALL BE PLACED MINIMUM OF 5.5 FEET BELOW THE RAILROAD ROADBED.
3. FIELD VERIFY DEPTH SO THE DESIGNED DRILL PATH AVOIDS EXISTING UTILITIES.
4. FIELD VERIFY LOCATION OF EXISTING UTILITIES.

F4 DIRECTIONAL BORE

NTS



DUPLEX LIFT STATION AND VALVE VAULT PLAN



A6 SANITARY LIFT STATION

NTS

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DESIGNED BY: J. SHEPHERD
DRAWN BY: B. TSUI
CHECKED BY: M. PAREDES
SUBMITTED BY: J. SHEPHERD
SIZE: ANSI D
ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
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U.S. ARMY CORPS OF ENGINEERS
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SAVANNAH, GA 31401-3640

BURNS McDONNELL
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HUNTER army AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN: 69262

UTILITY DETAILS - 4

SHEET ID
CU504

GEORGIA REGISTERED No. 36672 PROFESSIONAL ENGINEER 1/21/2026 JASON T. SHEPHERD

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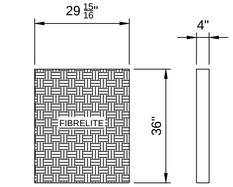
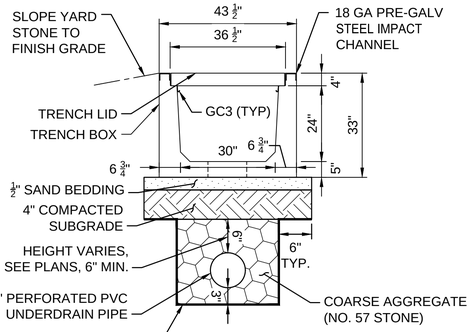
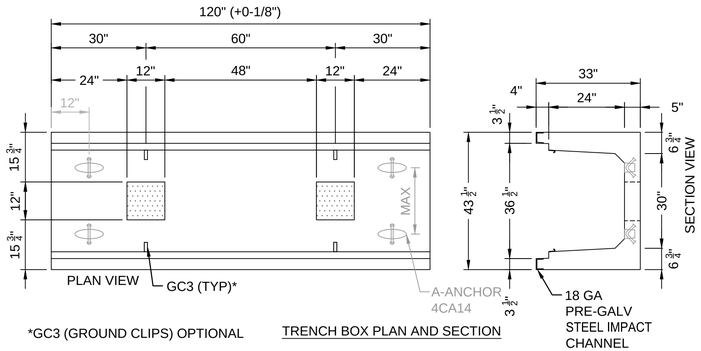


TRENCH LID PLAN AND SECTION



TRENCH TYPICAL SECTION WITH UNDERDRAIN



*GC3 (GROUND CLIPS) OPTIONAL

TRENCH BOX PLAN AND SECTION

NOTE:
1. LOAD RATING: AASHTO HS20 DESIGN (32,000 LBS / AXLE)
2. BASIS OF DESIGN IS TRENWA, INC. ROAD CROSSING TRENCH WITH FIBRELITE LIDS.

PRECAST UTILITY TRENCH SPECIFICATIONS

1. GENERAL

1.1 PROVIDE A PRECAST CONCRETE UNDERGROUND UTILITY TRENCH SYSTEM FOR MECHANICAL PIPING. THE MANUFACTURER MUST HAVE EXPERIENCE IN DESIGN AND FABRICATION OF SIMILAR PRODUCTS AND WITH FACILITIES FOR FABRICATING THEM WITH THE QUALITY SPECIFIED HEREIN AND WITHOUT DELAY TO THE SPECIFIED SCHEDULE.

1.2 THE PRECAST COMPONENTS SHALL BE DESIGNED TO CONFORM TO REQUIREMENTS STATED IN ASTM C857 "PRACTICE FOR MINIMUM STRUCTURAL DESIGN LOADING FOR UNDERGROUND PRECAST CONCRETE UTILITY STRUCTURES, ASTM C858 "SPECIFICATIONS FOR UNDERGROUND PRECAST CONCRETE UTILITY STRUCTURES" AND ACI-318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE AND COMMENTARY ON BUILDING CODE REQUIREMENTS IN STRUCTURAL CONCRETE".

1.3 ENGINEERING LAYOUT DRAWINGS WILL BE PROVIDED FOR APPROVAL AND TO ASSIST FIELD INSTALLATION. THE DRAWINGS WILL INCLUDE DIMENSIONS, IDENTIFICATION AND LOCATION OF EACH TRENCH PART IN THE TRENCH LAYOUT ALONG WITH A BILL OF MATERIAL.

2. PRODUCTS

2.1 CEMENT SHALL CONFORM TO ASTM C150/C150M, "SPECIFICATION FOR PORTLAND CEMENT".

2.2 FINE AND COARSE AGGREGATES SHALL CONFORM TO ASTM C33/C33M, "SPECIFICATION FOR CONCRETE AGGREGATES".

2.3 CHEMICAL ADMIXTURES SHALL CONFORM TO ASTM C260/C260M "AIR-ENTRAINING ADMIXTURES FOR CONCRETE AND ASTM C494/C494M "CHEMICAL ADMIXTURES FOR CONCRETE".

2.4 STEEL REINFORCING BARS SHALL CONFORM TO ASTM A615 "SPECIFICATION FOR DEFORMED AND PLAIN CARBON STEEL BARS FOR CONCRETE REINFORCEMENT".

2.5 STEEL REINFORCING WIRES SHALL CONFORM TO ASTM A496 "SPECIFICATION FOR STEEL WIRE, DEFORMED, FOR CONCRETE REINFORCEMENT".

2.6 STEEL REINFORCING WELDED WIRE MATS SHALL CONFORM TO A1064 STANDARD SPECIFICATION FOR CARBON-STEEL WIRE AND WELDED WIRE REINFORCEMENT, PLAIN AND DEFORMED, FOR CONCRETE".

2.7 EMBEDDED STEEL SHAPES AND PLATES SHALL CONFORM TO ASTM A36/C36M "STANDARD SPECIFICATION FOR CARBON STRUCTURAL STEEL".

2.8 CONCRETE

2.8.1 BATCHING, MIXING AND PLACING OF CONCRETE SHALL CONFORM TO ACI A301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE" AND ASTM C94/C94M "SPECIFICATION FOR READY-MIX CONCRETE" AND ACI 304 "GUIDE FOR MEASURING, MIXING, TRANSPORTING AND PLACING CONCRETE". ALL MATERIALS SHALL BE PRE-WEIGHED PRIOR TO MIXING.

2.8.2 CONCRETE SHALL OBTAIN A MINIMUM COMPRESSIVE STRENGTH OF 5,000 PSI AT 28 DAYS OF AGE.

2.8.3 CONCRETE SHALL CONTAIN 6% ENTRAINED AIR BY VOLUME (PLUS OR MINUS 1%).

2.9 REINFORCING

2.9.1 FABRICATION AND PLACEMENT SHALL CONFORM TO ACI-318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE".

3.0 TRENCH SYSTEM

3.1 THE TRENCH SYSTEM WILL CONSIST OF PRECAST CONCRETE U-SHAPED BASES AND REMOVABLE COVERS, AND INSTALLED IN EARTH TRENCHES WITH COVERS EXTENDING ABOVE THE SURROUNDING CRUSHED ROCK SURFACE.

1.2 ALL SECTIONS OF TRENCH DESIGNATED WILL BE DESIGNED TO CARRY (HS20, 32,000) POUNDS AXLE LOADING AND WILL BE FURNISHED IN STANDARD 10-FOOT LENGTHS, EXCEPT THAT SPECIAL LENGTHS WILL BE FURNISHED WHERE REQUIRED BY THE LAYOUT ON THE DRAWINGS.

1.3 THE LIDS WILL BE MADE OF FIBER REINFORCED POLYMER (FRP) MONOLITHIC COMPOSITE DESIGNED TO CARRY (HS20, 32,000) POUND AXLE LOADING, AND WILL BE FURNISHED IN LIGHTWEIGHT SECTIONS, SIZED TO PERMIT REMOVAL BY A SINGLE PERSON. THE LIDS WILL HAVE SLOTS FOR LIFTING TOOLS.

1.4 THE INTERIOR CLEAR CROSS SECTIONAL AREA FOR THE BASES WILL BE AT LEAST 30" WIDE X 24" DEEP, AND HAVE OPENINGS AT THE BOTTOM FOR DRAINAGE.

1.5 THE PRECAST TRENCH SYSTEM SHALL BE DESIGNED AND CONSTRUCTED SO THAT SUPPLEMENTAL SUPPORT SUCH AS PROTECTION RODS OR CROSS SUPPORTS ARE NOT REQUIRED.

3.1 TRENCH COMPONENTS

1.1 THE TRENCH SYSTEM SHALL CONSIST OF PRECAST CONCRETE SUPPORT BRACKETS, SIDEWALLS AND REMOVABLE COVERS AS MANUFACTURED FORM A COMPLETELY ENCLOSED TRENCH, EXCEPT WITH OPEN EARTH BOTTOM HAVING A 4" BEDDING OF SAND.

A1 UTILITY ACCESS TRENCH AND LID
NTS

GEORGIA REGISTERED No. 36672 PROFESSIONAL ENGINEER 1/21/2026 JASON T. SHEPHERD

US Army Corps of Engineers®

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CONTRACT NO.:
CATEGORY CODE 141-26
DESIGNED BY: J. SHEPHERD
DRAWN BY: B. TSUI
CHECKED BY: M. PAREDES
SUBMITTED BY: J. SHEPHERD
SIZE: ANSI D
FILENAME: 121450_CS500.dwg

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVENUE
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN: 69262

UTILITY DETAILS - 5

SHEET ID
CU505

READY TO ADVERTISE (RTA)

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN
USCOE HUNTER ARMY AIR FIELD KENNEL
SAVANNAH, GEORGIA

PROJECT INFORMATION & DATA

1. PROJECT NAME: DESIGN OF NEW MWD KENNEL AT HUNTER army AIRFIELD
2. THE PROJECT IS LOCATED WITHIN THE CITY LIMITS OF SAVANNAH, GA. - CHATHAM COUNTY PARCEL ID: #2016501001
3. CONSTRUCTION ACTIVITIES INCLUDE GRADING, ASPHALT PAVING, CONCRETE PARKING AREA, UTILITY INSTALLATION, INSTALLATION OF EROSION CONTROL MEASURES, INCLUDING BUT NOT LIMITED TO THE INSTALLATION OF SILT FENCE.
4. TOTAL DISTURBED AREA: 4.61 ACRES
5. TOTAL SITE AREA: 5.4 ± ACRES
6. EXISTING CONDITIONS: APPROXIMATELY 2.3 ACRES HAVE BEEN PREVIOUSLY DEVELOPED. THE REMAINING AREA CONSISTS OF SPARSE OLD GROWTH PINES AND OPEN GRASS. THE SITE CURRENTLY DRAINS TO THE NORTH CORNER OF THE PROPERTY.
7. [SUPPLEMENT GAR 100001 - PART II, B, 1.A]: GPS LOCATION OF CONSTRUCTION EXITS: LAT 31.478708° N LONG 83.52665° W (INFORMATION NEEDED FOR NOI)
8. PREDOMINANT SOIL TYPES: SANDY LEAN CLAY, 0 TO 2 PERCENT SLOPES, HYDROLOGIC SOIL GROUP B.
9. STORMWATER MANAGEMENT CONSIDERATIONS: SEDIMENT BASINS WILL BE USED DURING THE INITIAL PHASE.
10. THE PROJECT RECEIVING WATERS IS SPRINGFIELD CANAL. THE SITE ULTIMATELY DISCHARGES INTO SPRINGFIELD CANAL APPROXIMATELY 125 FT OFF SITE VIA STORM UTILITY PIPE NEAR NORTHEAST PROPERTY CORNER. REFERENCE USGS TOPOGRAPHIC MAP ON SHEET CE002.
11. STATE BUFFERS OR WATERS OF THE STATE ARE LOCATED ON THE PROJECT SITE. WETLANDS AND STATE WATERS ARE WITHIN 200' OF THIS SITE. REFERENCE USGS TOPOGRAPHIC MAP ON SHEET CE002.
12. EXISTING CONTOURS OBTAINED BY: THE EXISTING SITE UTILITIES AND FEATURES SHOWN ARE BASED ON A FIELD RUN TOPOGRAPHIC SURVEY PERFORMED BY LOWE ENGINEERING IN MARCH 2020.
13. DISPOSAL OF DEBRIS: ALL DEBRIS SHALL BE HAULED OFFSITE TO A STATE APPROVED LANDFILL.
14. INSTALLATION STATEMENT: THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES SHALL OCCUR PRIOR TO OR CONCURRENT WITH LAND DISTURBING ACTIVITIES.
15. THE ENTIRETY OF THIS PROPERTY LIES WITHIN ZONE "AE" PER FEMA FIRM PANEL #1305100142G DATED AUGUST 16, 2018. ZONE AE" DEFINED AS "AREAS SUBJECT TO INUNDATION BY THE 1-PERCENT-ANNUAL-CHANCE FLOOD EVENT."

LIMIT OF DISTURBANCE SHALL BE NO GREATER THAN 50 ACRES FOR EACH INDIVIDUAL PERMITTEE (I.E. PRIMARY, SECONDARY OR TERTIARY) AT ANY ONE TIME AND NO MORE THAN 50 CONTIGUOUS ACRES AT ONE TIME WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE EPD DISTRICT OFFICE. IF EPD APPROVES THE REQUEST TO DISTURB 50 ACRES OR MORE AT ANY ONE TIME, THE PLAN MUST INCLUDE AT LEAST 4 OF THE BMPS LISTED IN APPENDIX 1 OF THIS CHECKLIST. A COPY OF THE WRITTEN APPROVAL BY EPD MUST BE ATTACHED TO THE PLAN FOR THE PLAN TO BE REVIEWED.

APPLICABLE: _____ NOT APPLICABLE: X

CONTACT INFORMATION

24-HOUR CONTACT & PRIMARY PERMITTEE	DESIGN PROFESSIONAL
JIM WINE DIRECTORATE OF PUBLIC WORKS (DPW) JAMES.A.WINE3.CIV@ARMY.MIL (571) 801-0217	LAURA OUDERKIRK LLOUDERKIRK@BURNSMCD.COM BURNS & MCDONNELL 3 RAVINIA DR SUITE 1800 ATLANTA, GA 30346 (470) 268-9574
CHUCK WALDEN DIRECTORATE OF PUBLIC WORKS (DPW) CHARLES.L.WALDEN.CIV@ARMY.MIL (571) 801-0309	

I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT, UNDER MY DIRECT SUPERVISION.

I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA," PUBLISHED BY THE STATE SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED, PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF THE STORM WATER OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR 100001."

SIGNATURE _____
LAURA OUDERKIRK, LEVEL II CERTIFICATION 0000108575

THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMPS WITHIN 7 DAYS AFTER INSTALLATION.

SIGNATURE _____
LAURA OUDERKIRK, LEVEL II CERTIFICATION 0000108575

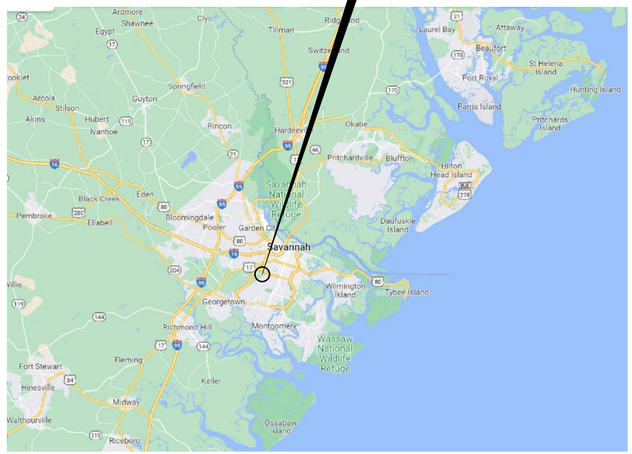
DATE OF INSPECTION _____

CERTIFICATION AND SIGNATURE IN ACCORDANCE WITH SECTION V.G.2d. OF THE PERMIT.

"I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT CERTIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS."

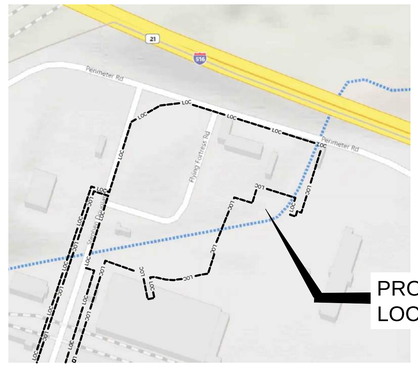
PRIMARY PERMITTEE/OPERATOR	DATE
CONTRACTOR #1	DATE
CONTRACTOR #2	DATE
CONTRACTOR #3	DATE

PROJECT LOCATION



D8 LOCATION MAP
NTS

TRUE NORTH



10 B8 VICINITY MAP
NTS

TRUE NORTH

0000108575
LAURA OUDERKIRK LEVEL II CERTIFICATION EXPIRATION: 10/24/2027

GEORGIA REGISTERED No. 36572 PROFESSIONAL ENGINEER JASON T. SHEPHERD 1/21/2026

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: J. SHEPHERD
DRAWN BY: B. TSUI
CHECKED BY: M. PAREDES
SUBMITTED BY: J. SHEPHERD
ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE 141-26
USACE PROJECT NAME: 121450_CE001.dwg
SCALE: ANSI D

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
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HUNTER army AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY'25, PN: 69262

ES&PC NOTES - 1

SHEET ID
CE001

READY TO ADVERTISE (RTA)

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EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
STAND ALONE CONSTRUCTION PROJECTS GAR100001

SWCD:_____

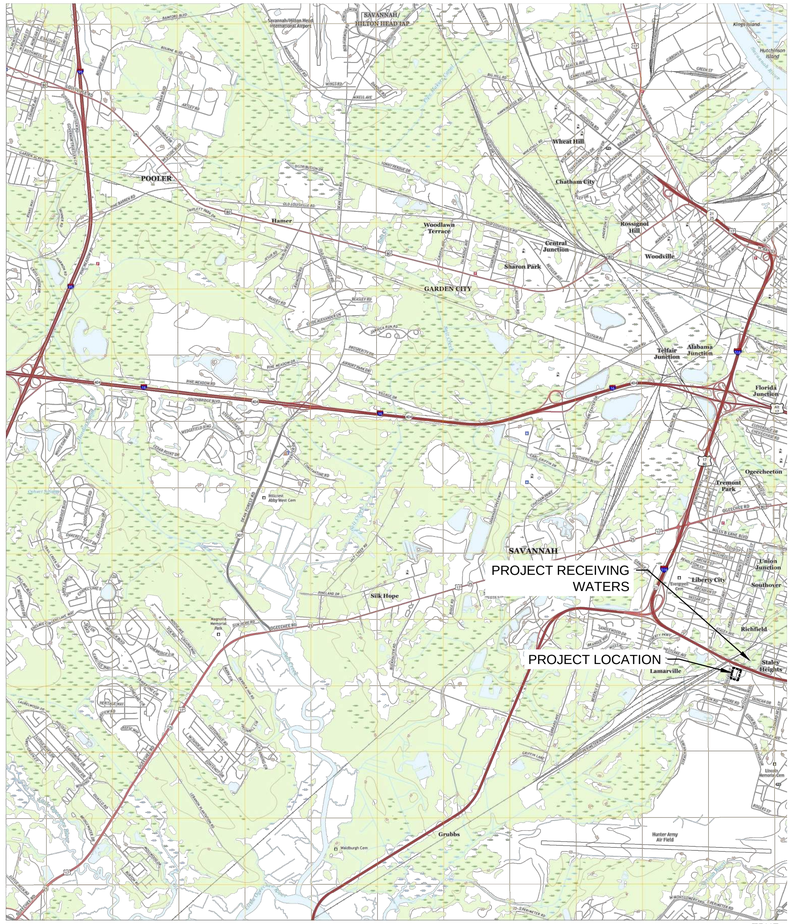
Project Name: USCOE HUNTER ARMY AIR FIELD KENNEL **Address:** 1030 PERIMETER ROAD SAVANNAH, GA 31409
Local Issuing Authority: SAVANNAH, CHATHAM COUNTY, GA **Date on Plans:** 01/29/2026
Name & Email of person filling out checklist: LAURA OUDERKIRK / llouderkirk@burnsmcd.com

Plan Page #	Included Y/N		TO BE SHOWN ON ES&PC PLAN
CE002	Y	1	The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted. The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed. **Permit IV.D.1. pg 27**
ALL SHTS	Y	2	Level II certification number issued by the Commission, signature and seal of the certified design professional. Signature, seal and Level II number must be on each sheet pertaining to ES&PC Plan or the Plan will not be reviewed. The Level II certification must be issued to the Design Professional, **after completion of a GSWCC approved course**, and whose signature and seal are on the Plan.
CE001	N	3	Limits of disturbance shall be **less than** 50 acres at any one time without prior written authorization from the GAEPD District Office. If GAEPD approves the request to disturb 50 acres or more at any one time, the Plan must include the GAEPD approval letter and completed Appendix 1 of this checklist with at least 4 of the chosen BMPs. * A copy of the written approval by GAEPD must be attached to the Plan for the Plan to be reviewed. **Permit IV.D.3. pg 28**
CE001	Y	4	The name and phone number of the 24-hour contact responsible for erosion, sedimentation and pollution controls.
CE001	Y	5	Provide the name, address, email address, and phone number of Primary Permittee.
CE001	Y	6	Note total and disturbed acreages of the project or phase under construction.
CE001	Y	7	Provide the GPS location of the construction exit for the site. Give the Latitude and Longitude in decimal degrees.
ALL SHTS	Y	8	Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
CE001	Y	9	Descriptions of the nature of construction activity and existing site conditions.
CE001	Y	10	Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
CE001	Y	11	Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.
CE001	Y	12	Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on **Part IV page 20** of the permit.
CE001	Y	13	Design professional's certification statement and signature that the Permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on **Part IV page 20** of the permit. *
CE001	Y	14	Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect **and certify** the installation of the initial sediment storage requirements and perimeter control BMPs within 7 days after installation." *
CE001	Y	15	Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of wrested vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits."
CE003	Y	16	Provide a description of any buffer encroachments and indicate whether a buffer variance is required.
CE101-102	Y	17	Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional." *
CE101-102	Y	18	Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 permit." *
CE101-102	Y	19	Clearly note statement that "The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to land disturbing activities."
CE101-102	Y	20	Clearly note statement that "Erosion control measures will be maintained at all times. If full implementation of the approved Plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source."
CE101-102	Y	21	Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."
CE003	Y	22	Any construction activity which discharges storm water into a Biota Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as any portion of a Biota Impaired Stream Segment, must comply with **Part III.C.** of the permit. Include the completed Appendix 1 of this checklist with at least 4 of the chosen BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment. *
CE003	Y	23	If a TMDL Implementation Plan for sediment has been finalized for the Biota Impaired Stream Segment (identified in Item 22 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan. *
CE003 CE102	Y	24	BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Include statement that washout of the drum at the construction site is prohibited. *
CE003	Y	25	Provide BMPs for the remediation of all petroleum spills and leaks.
CE003	Y	26	Description of the measures that will be installed during the construction process to control pollutants in storm water that will occur after construction operations have been completed. *
CE003	Y	27	Description of practices to provide cover for building materials and building products on site. *
CE003	Y	28	Description of the practices that will be used to reduce the pollutants in storm water discharges. *
CE003-004	Y	29	Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, grading, infrastructure, temporary and final stabilization).
CE003	Y	30	Provide complete requirements of Inspections and record keeping by the Primary Permittee. *
CE004	Y	31	Provide complete requirements of Sampling Frequency and Reporting of sampling results. *
CE004	Y	32	Provide complete details for Retention of Records as per **Part IV.F.** of the permit. *
CE004	Y	33	Description of analytical methods to be used to collect and analyze the samples from each location. *
CE004	Y	34	Appendix B rationale for NTU values at all outfall sampling points where applicable. *
CE005-006	Y	35	Delineate all sampling locations on **all phases of** the Plan, and perennial and intermittent streams and other water bodies into which storm water is discharged. *
CE004	Y	36	A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial sediment storage requirements and initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the Plan may combine all BMPs into a single phase plan. *
CE005-006 CE101-103	Y	37	Graphic scale and North arrow.
CE005-006 CE101-103	Y	38	Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following:
CE004	N	39	Use of Alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by GAEPD or the Georgia Soil and Water Conservation Commission). Refer to the Alternative BMP Guidance Document found at www.gaswcc.georgia.gov.
CE004	N	40	Use of Alternative BMP for application to the Equivalent BMP List. Refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition. *
CE001	N	41	Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to State Waters and any additional buffers as required by the Local Issuing Authority. Clearly note and delineate all areas of impact.
CE001-002	N	42	Delineation of all State Waters and wetlands located on or within 200 feet of the project site.
CE005-006	Y	43	Delineation and acreage of contributing drainage basins on the project site.
CE005-006	Y	44	Provide hydrology study and maps of drainage basins for both the pre- and post-developed conditions. *
CE004	Y	45	Estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed. **For solar farm projects, post-construction impervious area shall be calculated as 70% of total solar panel square footage.**
CE504	Y	46	Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate at all storm water discharge points.
CE101-103	Y	47	Soil series for the project site and their delineation.
CE101-103	Y	48	The limits of disturbance for each phase of construction.
CE004 CE101	Y	49	Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the Plan for each common drainage location in which a sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual must be included for structural BMPs and all calculations used by the design professional to obtain the required sediment storage when using equivalent controls. When discharging from sediment basins and impoundments, Permittees are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasible, a written justification explaining this decision must be included in the Plan.
CE501	Y	50	Location of Best Management Practices that are consistent with, and no less stringent than, the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual Chapter 6, with legend.
CE501-505	Y	51	Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia.
CE102-103	Y	52	Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of year that seeding will take place and for the appropriate geographic region of Georgia.

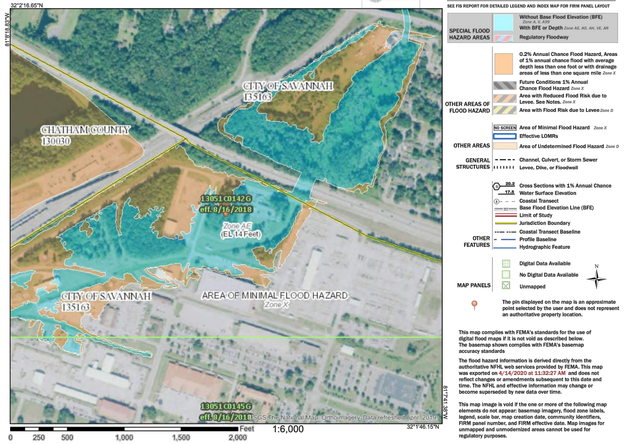
Map Scale	Ground Slope	Contour Intervals, ft.
1 inch = 100ft or larger scale	Flat 0 - 2% Rolling 2 - 8% Steep 8% +	0.5 or 1 1 or 2 2, 5 or 10

* **If using this checklist for a project that is less than 1 acre and not part of a common development but within 200 ft of a perennial stream, the * checklist items would be N/A.**

Effective January 1, 2026



C7 USGS TOPOGRAPHIC MAP
NTS



A7 FEMA FLOOD MAP
NTS

0000108575
LAURA OUDERKIRK
LEVEL II CERTIFICATION
EXPIRATION: 10/24/2027

GEORGIA
JASON T. SHEPHERD
No. 36672
PROFESSIONAL ENGINEER
1/21/2026

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: J. SHEPHERD
DRAWN BY: B. TSUI
CHECKED BY: M. PAREDES
SUBMITTED BY: J. SHEPHERD
ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
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SCALE: AS NOTED
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HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN: 69262

ES&PC NOTES - 2

SHEET ID
CE002

READY TO ADVERTISE (RTA)

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16 **CHECKLIST 16:** THE PROJECT SITE LIMITS DO NOT ENCROACH ON BUFFER LIMITS.

22 **CHECKLIST 22-23:** THE RECEIVING CREEK, CONLEY CREEK, IS DESIGNATED AS IMPAIRED ON THE 2024 IMPAIRED STREAMS MAP. PUBLISHED CAUSE IS LISTED AS "E COLI", THEREFORE, ADDITIONAL
23 APPENDIX 1 BMPs ARE NOT REQUIRED FOR THIS PROJECT.

24 **CHECKLIST 24:** SEE NOTES AND LOCATIONS OF CONCRETE WASHDOWN AREAS ON SHEET CE102. THE FOLLOWING BEST MANAGEMENT PRACTICES WILL BE FOLLOWED:

- CONCRETE WASHDOWN OF TOOLS, CONCRETE MIXER CHUTES, HOPPERS, AND THE REAR OF VEHICLES WILL ONLY BE ALLOWED IN A DESIGNATED AREA PROVIDED FOR THIS PURPOSE, AS SHOWN ON THE DRAWINGS AND COORDINATED WITH CONTRACTOR, COR, AND USDA EPM.
- WASHOUT OF THE DRUM AT THE CONSTRUCTION SITE IS PROHIBITED.
- ESTABLISH AND INSTALL A CONCRETE WASHOUT AREA(S) PER DETAIL D6 ON SHEET CE503.
- CONTAIN ALL WASH WATER WITHIN CONCRETE WASHOUT AREA.
- CONTRACTOR SHALL PROVIDE BUCKET FOR CONCRETE CHUTES AS REQUIRED TO PREVENT SPILLAGE.
- USE THE MINIMUM AMOUNT OF WATER TO WASH DOWN TOOLS, CONCRETE MIXER CHUTES, HOPPERS, AND THE REAR OF VEHICLES.
- REMOVE ANY CONCRETE SEDIMENT FROM THE AREA SURROUNDING THE WASHOUT AREA BEFORE IT HARDENS.
- REMOVE ALL CONCRETE RESIDUE FROM THE DESIGNATED AREA ONCE IT HAS HARDENED.

25 **CHECKLIST 25-28:** THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED
26 TO PROVIDE COVER FOR BUILDING MATERIALS AND BUILDING PRODUCTS ON SITE AND REDUCE THE
27 RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORM
28 WATER RUNOFF. THE REDUCTION OF POLLUTANTS IN STORMWATER DISCHARGE SHALL BE ACHIEVED THROUGH THESE BMPs AND BY STRUCTURAL AND VEGETATIVE PRACTICES SHOWN ON SHEETS CE101, CE102, AND CE103.

CONTRACTOR SHALL DOCUMENT THAT THE ES&PC PLAN IS IN COMPLIANCE WITH WASTE DISPOSAL, SANITARY SEWER, OR SEPTIC TANK REGULATIONS DURING AND AFTER CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED. CONTRACTOR, AT A MINIMUM, SHALL FOLLOW THE STEPS INDICATED BELOW:

SPILL CLEANUP AND CONTROL PRACTICES:

- LOCAL STATE AND MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND PROCEDURES WILL BE MADE AVAILABLE TO SITE PERSONNEL. PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES, LOCATION OF INFORMATION, AND CLEANUP SUPPLIES
- MATERIAL AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREAS. TYPICAL MATERIALS AND EQUIPMENT INCLUDES, BUT NOT LIMITED TO, BROOMS, DUSTPANS, MOPS, RAGS, GLOVES, GOGGLES, CAT LITTER SAND, SAWDUST AND PROPERLY LABELED PLASTIC AND METAL WASTE CONTAINERS.
- ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY. ALL SPILLS WILL BE REPORTED AS REQUIRED BY LOCAL, STATE AND FEDERAL REGULATIONS.
- THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FOR CONTACT WITH HAZARDOUS SUBSTANCE.
- SPILL PREVENTION PRACTICES AND PROCEDURES WILL BE REVIEWED AFTER A SPILL AND ADJUSTED AS NECESSARY TO PREVENT FUTURE SPILLS. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED.

SANITARY WASTE:

- A MINIMUM OF ONE PORTABLE SANITARY UNIT WILL BE PROVIDED FOR EVERY (10) WORKERS ON THE SITE. ALL SANITARY WASTE WILL BE COLLECTED FROM THE UNITS A MINIMUM OF ONE TIME PER WEEK BY A LICENSED PORTABLE FACILITY PROVIDER IN COMPLETE COMPLIANCE WITH LOCAL AND STATE REGULATIONS. ALL SANITARY WASTE UNITS WILL BE LOCATED IN ONE AREA WHERE THE LIKELIHOOD OF THE UNIT CONTRIBUTING TO STORMWATER DISCHARGE IS NEGLIGIBLE.
- ADDITIONAL CONTAINMENT BMPs MUST BE IMPLEMENTED, SUCH AS GRAVEL BAGS OR SPECIALLY DESIGNED PLASTIC SKID CONTAINER AROUND THE BASE, TO PREVENT WASTE FROM CONTRIBUTING TO STORMWATER DISCHARGE.
- THE LOCATION OF SANITARY WASTE UNITS MUST BE COORDINATED BY CONTRACTOR AND SUBJECT TO APPROVAL BY COR, USDA EPM, AND EOR.
- SANITARY SEWER WILL BE PROVIDED BY MUNICIPAL AUTHORITY/SEPTIC SYSTEM AT THE COMPLETION OF THIS PROJECT.

WASTE MATERIALS:

- ALL WASTE MATERIAL WILL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. THE DUMPSTER WILL MEET ALL SOLID WASTE MANAGEMENT REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE DUMPSTER.
- THE DUMPSTER WILL BE EMPTIED A MINIMUM OF ONCE PER WEEK, OR MORE OFTEN IF NECESSARY, AND TRASH WILL BE HAULED AS REQUIRED BY LOCAL REGULATIONS.
- NO CONSTRUCTION WASTE WILL BE BURIED ON SITE.
- ALL PERSONNEL WILL BE INSTRUCTED ON PROPER PROCEDURE FOR WASTE DISPOSAL. A NOTICE STATING THESE PRACTICES WILL BE POSTED AT THE JOB SITE AND THE CONTRACTOR WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.

GOOD HOUSEKEEPING:

- AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB.
- ALL MATERIALS STORED ON SITE WILL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE.
- PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL.
- SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.
- WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER.
- MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED.
- THE JOB SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS ON SITE.

HAZARDOUS PRODUCTS:

- PRODUCTS WILL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE.
- ORIGINAL LABELS, MATERIAL SAFETY DATA, AND OTHER IMPORTANT PRODUCT INFORMATION WILL BE RETAINED.
- IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURERS' OR LOCAL AND STATE RECOMMENDED METHODS FOR PROPER DISPOSAL WILL BE FOLLOWED. ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED IN THE MANNER SPECIFIED BY LOCAL, STATE, AND/OR FEDERAL REGULATIONS AND BY THE MANUFACTURER OF SUCH PRODUCTS. THE JOB SITE SUPERINTENDENT, WHO WILL ALSO BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED, WILL INSTRUCT SITE PERSONNEL IN THESE PRACTICES.
- MATERIAL SAFETY DATA SHEETS (MSDS) FOR EACH SUBSTANCE WITH HAZARDOUS PROPERTIES THAT IS USED ON THE JOB SITE WILL BE OBTAINED AND USED FOR THE PROPER MANAGEMENT OF POTENTIAL WASTES THAT MAY RESULT FROM THESE PRODUCTS. AN MSDS WILL BE POSTED IN THE IMMEDIATE AREA WHERE SUCH PRODUCT IS STORED AND/OR USED AND ANOTHER COPY OF EACH MSDS WILL BE MAINTAINED IN THE EROSION, SEDIMENT, & POLLUTION CONTROL PLAN (ESPCP) FILE AT THE JOB SITE CONSTRUCTION TRAILER OFFICE.
- EACH EMPLOYEE WHO MUST HANDLE A SUBSTANCE WITH HAZARDOUS PROPERTIES WILL BE INSTRUCTED ON THE USE OF MSDS SHEETS AND THE SPECIFIC INFORMATION IN THE APPLICABLE MSDS FOR THE PRODUCT HE OR SHE IS USING, PARTICULARLY REGARDING SPILL CONTROL TECHNIQUES.
- THE CONTRACTOR WILL IMPLEMENT THE SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) PLAN FOUND WITHIN THE ESPCP AND WILL TRAIN ALL PERSONNEL IN THE PROPER CLEANUP AND HANDLING OF SPECIFIC MATERIALS. NO SPILLED HAZARDOUS MATERIALS OR HAZARDOUS WASTE WILL BE ALLOWED TO COME IN CONTACT WITH STORMWATER DISCHARGE. IF SUCH CONTACT OCCURS, THE STORMWATER DISCHARGE WILL BE CONTAINED ON SITE UNTIL APPROPRIATE MEASURES IN COMPLIANCE WITH STATE AND FEDERAL REGULATIONS ARE TAKEN TO DISPOSE OF SUCH CONTAMINATED STORMWATER. IT SHALL BE THE RESPONSIBILITY OF THE JOB SITE SUPERINTENDENT TO PROPERLY TRAIN ALL PERSONNEL IN THE USE OF SPCC PLAN.

PRODUCT SPECIFIC PRACTICES:

- PETROLEUM PRODUCTS - ALL PRODUCTS ON SITE WILL BE MONITORED FOR LEAKS AND WILL BE ASK TO PROVIDE PREVENTIVE MAINTENANCE RECORDS IF NEEDED. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS, WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCES USED ON SITE WILL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.
- FERTILIZERS - FERTILIZERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER. ONCE APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER. ANY UNUSED MATERIALS SHOULD BE REMOVED FROM THE SITE.
- PAINTS - ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT WILL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS OF STATE AND LOCAL REGULATIONS.
- CONTRACTOR TO PROVIDE COVER FOR BUILDING MATERIALS AND BUILDING PRODUCTS ON SITE AS NEEDED. CONTRACTOR SHALL FOLLOW ALL MANUFACTURER RECOMMENDATIONS FOR PROPER STORAGE OF MATERIALS.

30 **CHECKLIST 30:** NPDES INSPECTION AND RECORD KEEPING REQUIREMENTS

INSPECTIONS

(AS STATED IN GENERAL NPDES PERMIT NO. GAR100001, PART IV.D.4. *Inspections.)*

PERMITTEE REQUIREMENTS.

1. EACH DAY WHEN ANY TYPE OF CONSTRUCTION ACTIVITY HAS TAKEN PLACE AT A PRIMARY PERMITTEE'S SITE, CERTIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE SHALL INSPECT:
   - 1.A. ALL AREAS AT THE PRIMARY PERMITTEE'S SITE WHERE PETROLEUM PRODUCTS ARE STORED, USED, OR HANDLED FOR SPILLS AND LEAKS FROM VEHICLES AND EQUIPMENT;
   - 1.B. ALL LOCATIONS AT THE PRIMARY PERMITTEE'S SITE WHERE VEHICLES ENTER OR EXIT THE SITE FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING. THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.
2. MEASURE AND RECORD RAINFALL WITHIN DISTURBED AREAS OF SITE THAT HAVE NOT MET FINAL STABILIZATION ONCE EVERY 24 HOURS EXCEPT ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY, AND NON-WORKING FEDERAL HOLIDAY. THE DATA COLLECTED FOR THE PURPOSE OF COMPLIANCE WITH THIS PERMIT SHALL BE REPRESENTATIVE OF THE MONITORED ACTIVITY. MEASUREMENT OF RAINFALL MAY BE SUSPENDED IF ALL AREAS OF THE SITE HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION.
3. CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT THE FOLLOWING AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES RAINFALL OR GREATER (UNLESS SUCH STORM ENDS AFTER 5:00 PM ON ANY FRIDAY OR ON ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY OR ANY NON-WORKING FEDERAL HOLIDAY IN WHICH CASE THE INSPECTION SHALL BE COMPLETED BY THE END OF THE NEXT BUSINESS DAY AND/OR WORKING DAY, WHICHEVER OCCURS FIRST):
   - 3.A. DISTURBED AREAS OF THE PRIMARY PERMITTEE'S CONSTRUCTION SITE;
   - 3.B. AREAS USED BY THE PRIMARY PERMITTEE FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION; AND
   - 3.C. STRUCTURAL CONTROL MEASURES.

   EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN APPLICABLE TO THE PRIMARY PERMITTEE'S SITE SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S). FOR AREAS OF A SITE THAT HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION, THE PERMITTEE MUST COMPLY WITH PART IV.D.4.A.(3). THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.
4. CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT AT LEAST ONCE PER MONTH DURING THE TERM OF THIS PERMIT (I.E., UNTIL A NOTICE OF TERMINATION HAS BEEN SUBMITTED) THE AREAS OF THE SITE THAT HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION. THESE AREAS SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM AND THE RECEIVING WATER(S). EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S).
5. BASED ON THE RESULTS OF EACH INSPECTION, THE SITE DESCRIPTION AND THE POLLUTION PREVENTION AND CONTROL MEASURES IDENTIFIED IN THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, THE PLAN SHALL BE REVISED AS APPROPRIATE NOT LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION. IMPLEMENTATION OF SUCH CHANGES SHALL BE MADE AS SOON AS PRACTICAL BUT IN NO CASE LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION.
6. A REPORT OF EACH INSPECTION THAT INCLUDES THE NAME(S) OF CERTIFIED PERSONNEL MAKING EACH INSPECTION, THE DATE(S) OF EACH INSPECTION, CONSTRUCTION PHASE (I.E., INITIAL, INTERMEDIATE OR FINAL), MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, AND ACTIONS TAKEN IN ACCORDANCE WITH PART IV.D.4.A.(5). OF THE PERMIT SHALL BE MADE AND RETAINED AT THE SITE OR BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION UNTIL THE ENTIRE SITE OR THAT PORTION OF A CONSTRUCTION PROJECT THAT HAS BEEN PHASED HAS UNDERGONE FINAL STABILIZATION AND A NOTICE OF TERMINATION IS SUBMITTED TO EPD. SUCH REPORTS SHALL BE READILY AVAILABLE BY END OF THE SECOND BUSINESS DAY AND/OR WORKING DAY AND PROPERLY INSTALLATED AND/OR MAINTAINED AS DESCRIBED IN THE PLAN. WHERE THE REPORT DOES NOT IDENTIFY ANY INCIDENTS, THE INSPECTION REPORT SHALL CONTAIN A CERTIFICATION THAT THE BEST MANAGEMENT PRACTICES ARE IN COMPLIANCE WITH THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART V.G.2 OF THIS PERMIT.

29

CONSTRUCTION SCHEDULE

MONTH	MONTH 1	MONTH 2	MONTH 3	MONTH 4	MONTH 5	MONTH 6	MONTH 7	MONTH 8	MONTH 9	MONTH 10	MONTH 11	MONTH 12	MONTH 13	MONTH 14	MONTH 15	MONTH 16	MONTH 17	MONTH 18	MONTH 19	MONTH 20	MONTH 21	MONTH 22	MONTH 23	MONTH 24
WEEK	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4
INSTALL INITIAL EROSION CONTROL																								
UTILITY & PAVEMENT DEMO																								
ROUGH GRADING																								
UTILITY INSTALLATION																								
BUILDING FOUNDATION																								
INSTALL INTERME. EROSION CONTROL																								
FINAL GRADING & PAVING																								
BUILDING																								
LANDSCAPING																								
INSTALL FINAL EROSION CONTROL																								
MAINTENANCE OF ALL BMPs																								

ANTICIPATED START DATE: 06/01/2026
ANTICIPATED COMPLETION DATE: 08/01/2028

LAURA OUDERKIRK — 0000108575
LEVEL II CERTIFICATION
EXPIRATION: 10/24/2027

GEORGIA — JASON T. SHEPHERD — NO. 34672 — PROFESSIONAL ENGINEER — 2/25/2026

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: J. SHEPHERD
DRAWN BY: B. TSUI
CHECKED BY: M. PAREDES
SUBMITTED BY: J. SHEPHERD
ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE 141-26
SCALE: AS NOTED
DRAWING NAME: 121450_CE001.dwg
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31 **CHECKLIST 31:** SAMPLING FREQUENCY AND REPORTING OF SAMPLING RESULTS

SAMPLING FREQUENCY

(AS STATED IN GENERAL NPDES PERMIT NO. GAR100001, PART IV.D.6.d *Sampling Frequency*.)

1. THE PRIMARY PERMITTEE MUST SAMPLE IN ACCORDANCE WITH THE PLAN AT LEAST ONCE FOR EACH RAINFALL EVENT DESCRIBED BELOW. FOR A QUALIFYING EVENT, THE PERMITTEE SHALL SAMPLE AT THE BEGINNING OF ANY STORMWATER DISCHARGE TO A MONITORED RECEIVING WATER AND/OR FROM A MONITORED OUTFALL LOCATION WITHIN FORTY-FIVE (45) MINUTES OR AS SOON AS POSSIBLE.
2. HOWEVER, WHERE MANUAL AND AUTOMATIC SAMPLING ARE IMPOSSIBLE (AS DEFINED BY THIS PERMIT), OR ARE BEYOND THE PERMITTEE'S CONTROL, THE PERMITTEE SHALL TAKE SAMPLES AS SOON AS POSSIBLE, BUT IN NO CASE MORE THAN TWELVE (12) HOURS AFTER THE BEGINNING OF THE STORMWATER DISCHARGE
3. SAMPLING BY THE PERMITTEE SHALL OCCUR FOR THE FOLLOWING QUALIFYING EVENTS:
   - A. FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORMWATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS* (MONDAY THRU FRIDAY, 8:00 AM TO 5:00 PM AND SATURDAY 8:00 AM TO 5:00 PM, EXCLUDING ALL NON-WORKING FEDERAL HOLIDAYS, WHEN CONSTRUCTION ACTIVITY IS BEING CONDUCTED BY THE PRIMARY PERMITTEE) AFTER ALL CLEARING AND GRUBBING OPERATIONS HAVE BEEN COMPLETED, BUT PRIOR TO COMPLETION OF MASS GRADING OPERATIONS, IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING LOCATION;
   - B. IN ADDITION TO (A) ABOVE, FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORMWATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS* EITHER 90 DAYS AFTER THE FIRST SAMPLING EVENT OR AFTER ALL MASS GRADING OPERATIONS HAVE BEEN COMPLETED, BUT PRIOR TO SUBMITTAL OF A NOT, IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING LOCATION, WHICHEVER COMES FIRST;
   - C. AT THE TIME OF SAMPLING PERFORMED PURSUANT TO (A) AND (B) ABOVE, IF BMPS IN ANY AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL ARE NOT PROPERLY DESIGNED, INSTALLED AND MAINTAINED, CORRECTIVE ACTION SHALL BE DESFINED AND IMPLEMENTED WITHIN TWO (2) BUSINESS DAYS, AND TURBIDITY SAMPLES SHALL BE TAKEN FROM DISCHARGES FROM THAT AREA OF THE SITE FOR EACH SUBSEQUENT RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH DURING NORMAL BUSINESS HOURS* UNTIL THE SELECTED TURBIDITY STANDARD IS ATTAINED, OR UNTIL POST-STORM EVENT INSPECTIONS DETERMINE THAT BMPS ARE PROPERLY DESIGNED, INSTALLED, AND MAINTAINED;
   - D. WHERE SAMPLING PURSUANT TO (A), (B) OR (C) ABOVE IS REQUIRED BUT NOT POSSIBLE (OR NOT REQUIRED BECAUSE THERE WAS NO DISCHARGE), THE PERMITTEE, IN ACCORDANCE WITH PART IV.D.4.A.(6), MUST INCLUDE A WRITTEN JUSTIFICATION IN THE INSPECTION REPORT OF WHY SAMPLING WAS NOT PERFORMED. PROVIDING THIS JUSTIFICATION DOES NOT RELIEVE THE PERMITTEE OF ANY SUBSEQUENT SAMPLING OBLIGATIONS UNDER (A), (B) OR (C) ABOVE; AND
   - E. EXISTING CONSTRUCTION ACTIVITIES, I.E., THOSE THAT ARE OCCURRING ON OR BEFORE THE EFFECTIVE DATE OF THIS PERMIT, THAT HAVE MET THE SAMPLING REQUIRED BY (A) ABOVE SHALL SAMPLE IN ACCORDANCE WITH (B). THOSE EXISTING CONSTRUCTION ACTIVITIES THAT HAVE MET THE SAMPLING REQUIRED BY (B) ABOVE SHALL NOT BE REQUIRED TO CONDUCT ADDITIONAL SAMPLING OTHER THAN AS REQUIRED BY (C) ABOVE.

*NOTE THAT THE PERMITTEE MAY CHOOSE TO MEET THE REQUIREMENTS OF (A) AND (B) ABOVE BY COLLECTING TURBIDITY SAMPLES FROM ANY RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR MONITORING AT ANY TIME OF THE DAY OR WEEK.

REPORTING

(AS STATED IN GENERAL NPDES PERMIT NO. GAR100001, PART IV.E. *Reporting.)*

1. THE APPLICABLE PERMITTEES ARE REQUIRED TO SUBMIT THE SAMPLING RESULTS TO THE EPD USING THE ELECTRONIC SUBMITTAL SERVICE PROVIDED BY THE EPD AS SHOWN IN SECTION IV.E. BY THE FIFTEENTH DAY OF THE MONTH FOLLOWING THE REPORTING PERIOD. REPORTING PERIODS ARE MONTHS DURING WHICH SAMPLES ARE TAKEN IN ACCORDANCE WITH THIS PERMIT. SAMPLING RESULTS SHALL BE IN A CLEARLY LEGIBLE FORMAT. UPON WRITTEN NOTIFICATION, EPD MAY REQUIRE THE APPLICABLE PERMITTEE TO SUBMIT THE SAMPLING RESULTS ON A MORE FREQUENT BASIS. SAMPLING AND ANALYSIS OF ANY STORM WATER DISCHARGE(S) OR THE RECEIVING WATER(S) BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED IN A SIMILAR MANNER TO THE EPD. THE SAMPLING REPORTS MUST BE SIGNED IN ACCORDANCE WITH PART V.G. SAMPLING REPORTS MUST BE SUBMITTED TO EPD UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI.
2. ALL SAMPLING REPORTS SHALL INCLUDE THE FOLLOWING INFORMATION:
   - A. THE RAINFALL AMOUNT, DATE, EXACT PLACE AND TIME OF SAMPLING OR MEASUREMENTS;
   - B. THE NAME(S) OF THE CERTIFIED PERSONNEL WHO PERFORMED THE SAMPLING AND MEASUREMENTS;
   - C. THE DATE(S) ANALYSES WERE PERFORMED;
   - D. THE TIME(S) ANALYSES WERE INITIATED;
   - E. THE NAME(S) OF THE CERTIFIED PERSONNEL WHO PERFORMED THE ANALYSES;
   - F. REFERENCES AND WRITTEN PROCEDURES, WHEN AVAILABLE, FOR THE ANALYTICAL TECHNIQUES OR METHODS USED;
   - G. THE RESULTS OF SUCH ANALYSES, INCLUDING THE BENCH SHEETS, INSTRUMENT READOUTS, COMPUTER DISKS OR TAPES, ETC., USED TO DETERMINE THESE RESULTS;
   - H. RESULTS WHICH EXCEED 1000 NTU SHALL BE REPORTED AS "EXCEEDS 1000 NTU;" AND
   - I. CERTIFICATION STATEMENT THAT SAMPLING WAS CONDUCTED AS PER THE PLAN
3. ALL WRITTEN CORRESPONDENCE REQUIRED BY THIS PERMIT SHALL BE SUBMITTED BY RETURN RECEIPT CERTIFIED MAIL (OR SIMILAR SERVICE) TO THE APPROPRIATE DISTRICT OFFICE OF THE EPD ACCORDING TO THE SCHEDULE IN APPENDIX A OF THIS PERMIT. THE PERMITTEE SHALL RETAIN A COPY OF THE PROOF OF SUBMITTAL AT THE CONSTRUCTION SITE OR THE PROOF OF SUBMITTAL SHALL BE READILY AVAILABLE AT A DESIGNATED LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI.

32 **CHECKLIST 32:** RETENTION OF RECORDS:

RETENTION OF RECORDS

(AS STATED IN GENERAL NPDES PERMIT NO. GAR100001, PART IV.F *Retention of Records.)*

1. THE PRIMARY PERMITTEE SHALL RETAIN THE FOLLOWING RECORDS AT THE CONSTRUCTION SITE OR THE RECORDS SHALL BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI:
   - A. A COPY OF ALL NOTICES OF INTENT SUBMITTED TO EPD
   - B. A COPY OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN REQUIRED BY THIS PERMIT
   - C. THE DESIGN PROFESSIONAL'S REPORT OF THE RESULTS OF THE INSPECTION CONDUCTED IN ACCORDANCE WITH PART IV.A.5. OF THIS PERMIT
   - D. A COPY OF ALL MONITORING INFORMATION, RESULTS, AND REPORTS REQUIRED BY THIS PERMIT;
   - E. A COPY OF ALL INSPECTION REPORTS GENERATED IN ACCORDANCE WITH PART IV.D.4.A. OF THIS PERMIT
   - F. A COPY OF ALL VIOLATION SUMMARIES AND VIOLATION SUMMARY REPORTS GENERATED IN ACCORDANCE WITH PART III.D.2. OF THIS PERMIT
   - G. DAILY RAINFALL INFORMATION COLLECTED IN ACCORDANCE WITH PART IV.D.4.A.(1)(C) OF THIS PERMIT.
2. COPIES OF ALL NOTICES OF INTENT, NOTICES OF TERMINATION, INSPECTION REPORTS, SAMPLING REPORTS (INCLUDING ALL CALIBRATION AND MAINTENANCE RECORDS AND ALL ORIGINAL STRIP CHART RECORDINGS FOR CONTINUOUS MONITORING INSTRUMENTATION) OR OTHER REPORTS REQUESTED BY THE EPD, EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS, RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT TO BE COVERED BY THIS PERMIT AND ALL OTHER RECORDS REQUIRED BY THIS PERMIT SHALL BE RETAINED BY THE PERMITTEE WHO EITHER PRODUCED OR USED IT FOR A PERIOD OF AT LEAST THREE YEARS FROM THE DATE THAT THE NOT IS SUBMITTED IN ACCORDANCE WITH PART VI OF THIS PERMIT. THESE RECORDS MUST BE MAINTAINED AT THE PERMITTEE'S PRIMARY PLACE OF BUSINESS OR AT A DESIGNATED ALTERNATIVE LOCATION ONCE THE CONSTRUCTION ACTIVITY HAS CEASED AT THE PERMITTED SITE. THIS PERIOD MAY BE EXTENDED BY REQUEST OF THE EPD AT ANY TIME UPON WRITTEN NOTIFICATION TO THE PERMITTEE.

33 **CHECKLIST 33:** SAMPLING: ANALYTICAL METHODS

- ALL SAMPLING SHALL BE COLLECTED BY "GRAB SAMPLES" AND THE ANALYSIS OF THESE SAMPLES MUST BE CONDUCTED INN ACCORDANCE WITH METHODOLOGY AND TEST PROCEDURES ESTABLISHED BY 40 CFR PART 136 (UNLESS OTHER TEST PROCEDURES HAVE BEEN APPROVED)
- THE GUIDANCE DOCUMENT TITLED "NPDES STORM WATER SAMPLING GUIDANCE DOCUMENT, EPA 833-B-92-001" AND GUIDANCE DOCUMENTS THAT MAY BE PREPARED BY THE EPD.
- SAMPLE CONTAINERS SHOULD BE LABELED PRIOR TO COLLECTING THE SAMPLES.
- SAMPLES SHOULD BE WELL MIXED BEFORE TRANSFERRING TO A SECONDARY CONTAINER.
- LARGE MOUTH, WELL CLEANED AND RINSED GLASS OR PLASTIC JARS SHOULD BE USED FOR COLLECTING SAMPLES. THE JARS SHOULD BE CLEANED THOROUGHLY TO AVOID CONTAMINATION.(4). MANUAL, AUTOMATIC OR RISING STAGE SAMPLING MAY BE UTILIZED. SAMPLES REQUIRED BY THIS PERMIT SHOULD BE ANALYZED IMMEDIATELY, BUT IN NO CASE LATER THAN 48 HOURS AFTER COLLECTION. HOWEVER, SAMPLES FROM AUTOMATIC SAMPLERS MUST BE COLLECTED NO LATER THAN THE NEXT BUSINESS DAY AFTER THEIR ACCUMULATION, UNLESS FLOW THROUGH AUTOMATED ANALYSIS IS UTILIZED. DILUTION OF SAMPLES IS NOT REQUIRED. SAMPLES MAY BE ANALYZED DIRECTLY WITH A PROPERLY CALIBRATED TURBIDIMETER. SAMPLES ARE NOT REQUIRED TO BE COOLED.
- SAMPLING AND ANALYSIS OF THE RECEIVING WATER(S) OR OUTFALLS BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED TO EPD AS SPECIFIED IN PART IV.F.

34 **CHECKLIST 34:** 75 NTU LIMITS WERE SELECTED FROM APPENDIX B OF GAR100001 FOR THE FOLLOWING REASONS (REFER TO TABLE ON THIS SHEET):

1. THE RECEIVING WATERS ARE SUPPORTING WARM WATER FISHERIES.
2. THE CONSTRUCTION SITE SIZE IS BETWEEN 1.00 AND 10 ACRES.
   SITE: 4.6 ACRES
3. THE SURFACE WATER DRAINAGE AREA IS LESS THAN 4.99 SQUARE MILES.
   SITE: 0.172 SQ MI (110 ACRES)

WARM WATER FISHERIES (NTU VALUES)
SURFACE WATER DRAINAGE AREA, SQUARE MILES

SITE SIZE (ACRE)	0-4.99	5-9.99	10-24.99	25-49.99	50-99.99	100-249.99	250-499.99	500+
1.00-10	(75)	150	200	400	750	750	750	750
10.01-25	50	100	100	200	300	500	750	750
25.01-50	50	50	100	100	200	300	750	750
50.01-100	50	50	50	100	100	150	300	600
100.01+	50	50	50	50	50	100	200	100

35 **CHECKLIST 35:** SAMPLE LOCATION IS SHOWN ON CE005 & CE006.

36 **CHECKLIST 36:** REFERENCE SHEETS CE101, CE102, CE103. EROSION CONTROL SEQUENCING PER PHASE SHALL BE AS FOLLOWS:

EROSION CONTROL INITIAL PHASE

1. INSTALL PERIMETER CONTROL BMPs (SILT FENCE, FILTER SOCKS, CONSTRUCTION ENTRANCES).
2. PLACE INLET PROTECTION ON EXISTING STORM INLETS AS INDICATED.
3. CLEAR, HAUL, AND DISPOSE OF TREES OFF SITE. AREAS DESIGNATED TO BE CLEARED AND GRUBBED MUST MEET REQUIREMENTS STATED IN SPECIFICATION SECTION 31 11 00 CLEARING AND GRUBBING. WOOD CHIPPINGS FROM CLEARING ACTIVITIES MAY BE UTILIZED ON SITE FOR STABILIZATION AND BEHIND SILT FENCE. ALL WOOD OR WOOD LIKE MATERIALS REMAINING FROM CLEARING, PRUNNING OR GRUBBING SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND DISPOSED OF AS SPECIFIED.
4. INSTALL TEMPORARY SEDIMENT BASIN(S) AND TEMPORARY SEDIMENT TRAP(S).
5. INSTALL TEMPORARY DIVERSION SWALE(S).
6. DEMOLISH AND REMOVE EXISTING PAVEMENT AS INDICATED ON DEMOLITION PLANS.
7. DEMOLISH AND REMOVE EXISTING UTILITIES AS INDICATED ON DEMOLITION PLANS.
8. BEGIN ROUGH GRADING AND UTILITY INSTALLATION.
9. INSTALL ALL VEGETATIVE PRACTICES AND MEASURES AS NEEDED.

EROSION CONTROL INTERMEDIATE PHASE

1. INSTALL FURTHER BMPs AND MAINTAIN ALL PERIMETER CONTROL BMPs.
2. FINISH ROUGH GRADING ALL AREAS AND UTILITY INSTALLATION.
3. PLACE CONCRETE BUILDING SLAB AND FOOTINGS.
4. INSTALL AND MAINTAIN ALL VEGETATIVE PRACTICES AND MEASURES AS NEEDED.

EROSION CONTROL FINAL PHASE

1. FINE GRADE ALL AREAS.
2. COMPLETE FLATWORK (PAVEMENT, PADS, SITEWALKS, ETC.).
3. INSTALL ALL FINAL STRUCTURAL EROSION CONTROL MEASURES.
4. INSTALL ALL LANDSCAPING AND FINAL VEGETATIVE MEASURES.

39

40 **CHECKLIST 39-40:** NO ALTERNATIVE BMPs HAVE BEEN PROPOSED.

44 **CHECKLIST 44:** SEE CIVIL CALCULATIONS & HYDROLOGY STUDY (UNDER SEPARATE COVER). ALSO REFERENCE SHEETS CE005 AND CE006.

45 **CHECKLIST 45:** PRE-DEVELOPMENT CURVE NUMBER: 88 / POST-DEVELOPMENT CURVE NUMBER: 86

49 **CHECKLIST 49:** RETROFITTED DETENTION PONDS HAVE BEEN DESIGNED TO PROVIDE A MINIMUM OF 67 CUBIC YARDS OF SEDIMENT STORAGE PER ACRE DRAINED. FILTER RINGS SURROUND RETROFITTED OUTLET STRUCTURES WITH RESPECTIVE FLOATING SURFACE SKIMMERS, BEFORE WATER IS DISCHARGED TO STORM DRAIN OUTLET PROTECTION. SEE NOTES AND PLAN VIEWS ON CE101 - CE103, AND DETAILS ON SHEETS CE501 - CE505.

LAURA OUDERKIRK — 0000108575 — LEVEL II CERTIFICATION EXPIRATION: 10/24/2027

GEORGIA REGISTERED NO. 36672 PROFESSIONAL ENGINEER JASON T. SHEPHERD 1/21/2026

US Army Corps of Engineers®

NO.	DESCRIPTION	DATE

DESIGNED BY: J. SHEPHERD
DRAWN BY: B. TSUI
CHECKED BY: M. PAREDES
SUBMITTED BY: J. SHEPHERD
ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE
141-26
SIZE: ANSI D
FILENAME: 121450_CE001.dwg

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVENUE
SAVANNAH, GA 31401-3940

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
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FY25, PN: 69262

ES&PC NOTES - 4

SHEET ID
CE004

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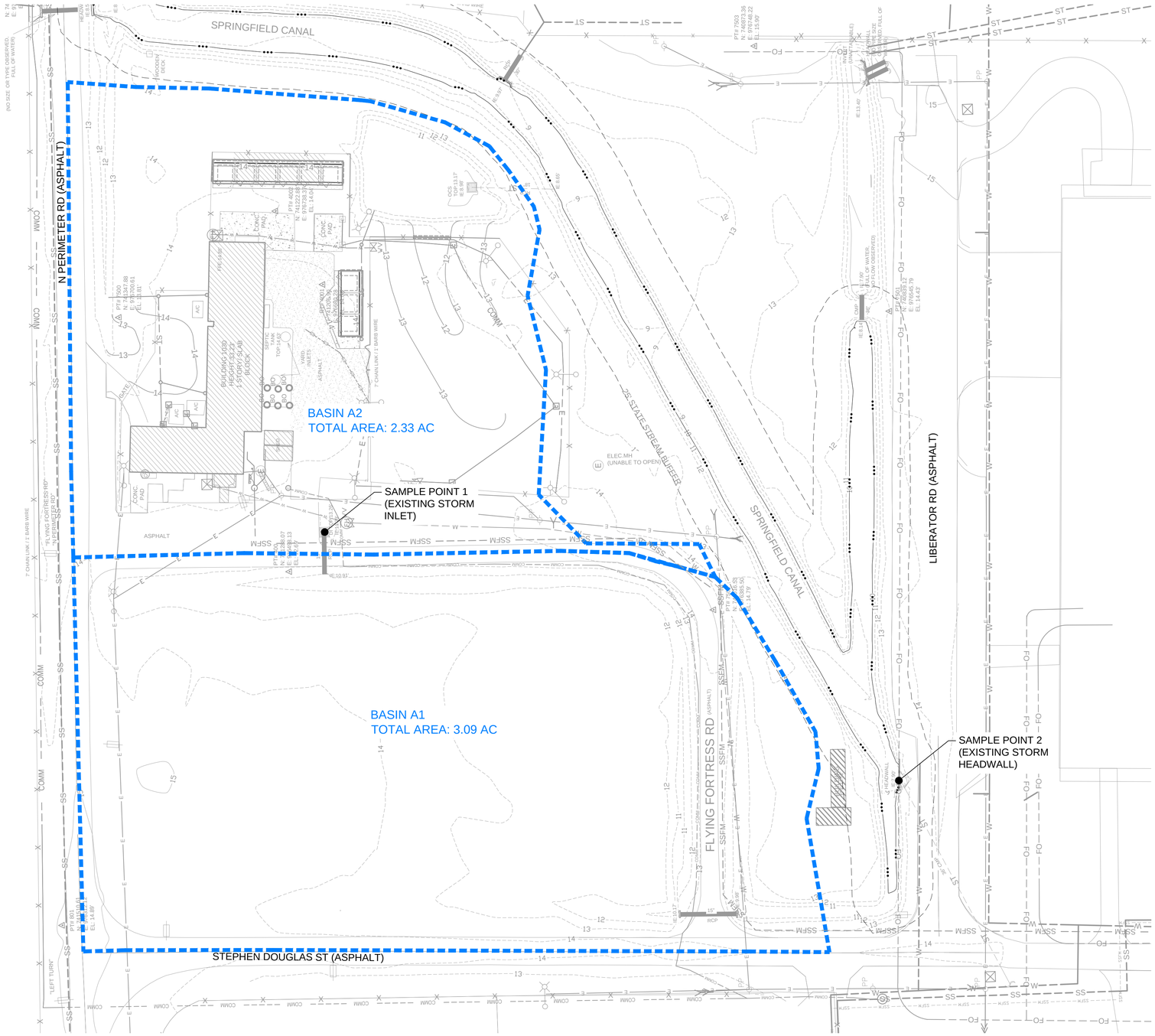

GENERAL NOTES

1. SEE SHEET GC001 FOR LEGEND AND ABBREVIATIONS.
2. SEE SHEET GC002 FOR CIVIL GENERAL NOTES.

A1 PREDEVELOPMENT DRAINAGE BASINS

SCALE 1" = 40'

0 20' 40' 80'

TRUE NORTH

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DESIGNED BY:	J. SHEPHERD
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CONTRACT NO.:	
CATEGORY CODE	141-26
FILENAME:	121450_CE005.dwg

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PREDEVELOPMENT DRAINAGE BASINS

SHEET ID
CE005

GEORGIA
No. 36672
PROFESSIONAL
1/21/2026
ENGINEER
JASON T. SHEPHERD

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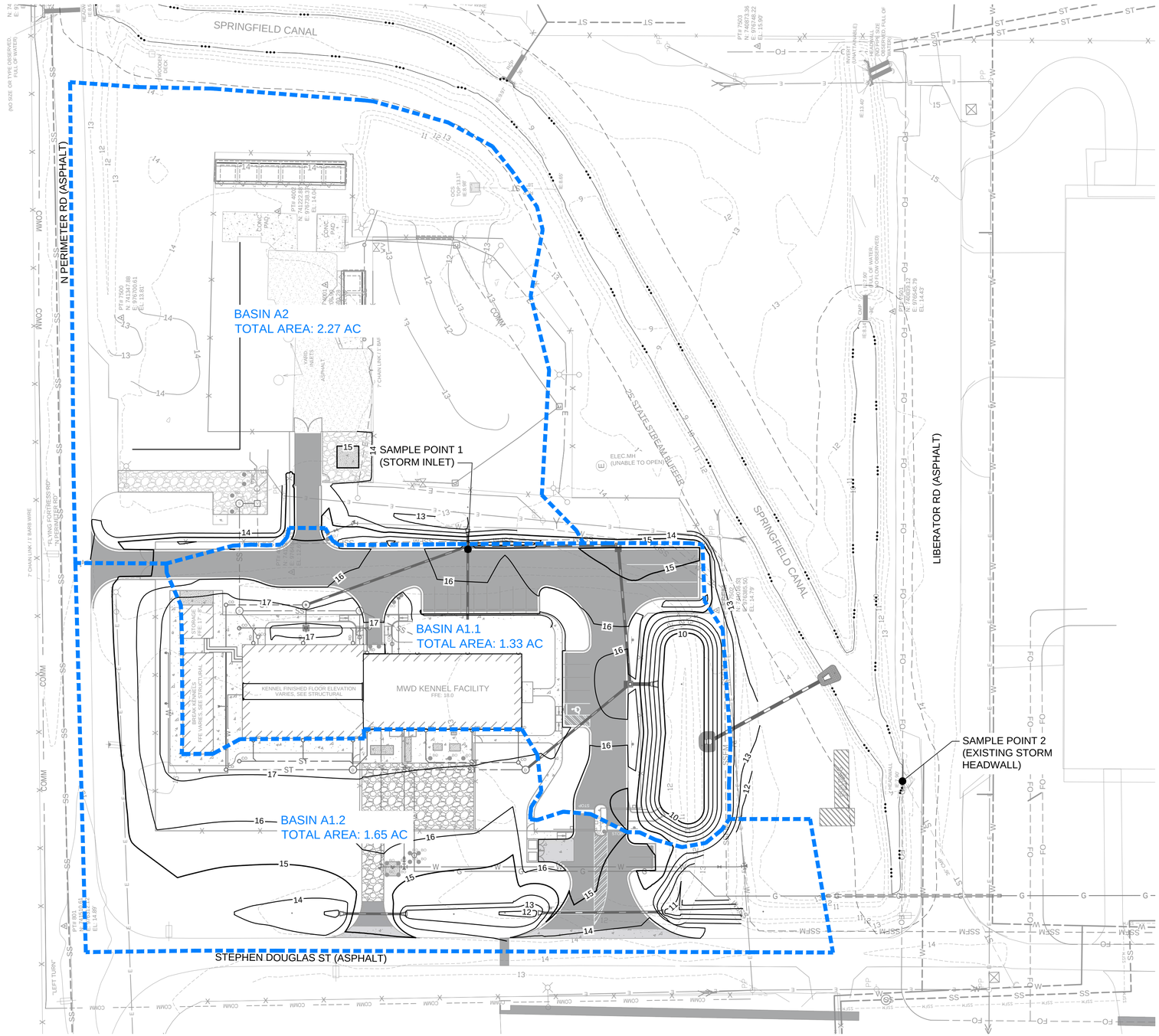
GENERAL NOTES

1. SEE SHEET GC001 FOR LEGEND AND ABBREVIATIONS.
2. SEE SHEET GC002 FOR CIVIL GENERAL NOTES.



A1 POST DEVELOPMENT DRAINAGE BASINS

SCALE 1" = 40'

0 20' 40' 80'

TRUE NORTH

GEORGIA REGISTERED NO. 36672 PROFESSIONAL ENGINEER JASON T. SHEPHERD 1/21/2026

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE 141-26
FILENAME: 121450_CE006.dwg

DESIGNED BY: J. SHEPHERD
DRAWN BY: B. TSUI
CHECKED BY: M. PAREDES
SUBMITTED BY: J. SHEPHERD
SIZE: ANSI D

U.S. ARMY CORPS OF ENGINEERS
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FY25, PN: 69262

POST DEVELOPMENT DRAINAGE BASINS

SHEET ID
CE006

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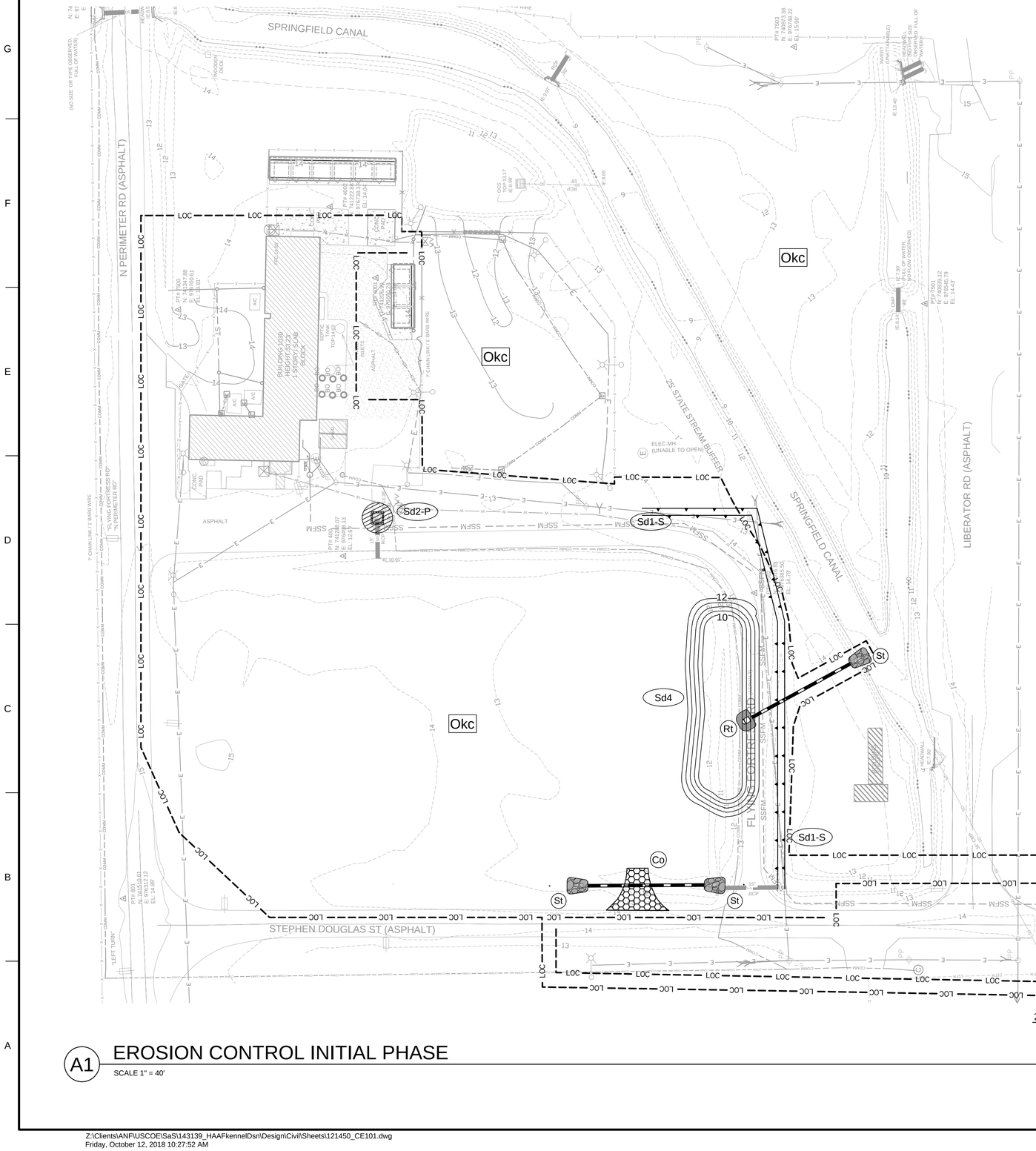

LEGEND

Ds1	DISTURBED AREA STABILIZATION WITH MULCHING	F5 / CE501
Ds2	DISTURBED AREA STABILIZATION WITH TEMPORARY SEEDING	H1 / CE502
Sd1-S	SILT FENCE (SENSITIVE)	A1 / CE502
Co	CONSTRUCTION EXIT	A5 / CE501
Sd2-P	INLET PROTECTION "PIGS IN A BLANKET"	A5 / CE502
St	STORM DRAIN OUTLET PROTECTION	A6 / CE504
Sd4	TEMPORARY SEDIMENT TRAP	E1 / CE504
Rt	RETROFITTING	D5 / CE502

SOIL SERIES: 47

Okc - OGEECHEE-URBAN LAND COMPLEX, 0 TO 2 PERCENT SLOPES

GENERAL NOTES

1. THE EXISTING SITE UTILITIES AND FEATURES SHOWN ARE BASED ON A FIELD RUN TOPOGRAPHIC SURVEY PERFORMED BY USACE SAVANNAH DISTRICT DESIGN BRANCH, DATA MANAGEMENT SECTION IN JULY, 2020.
2. SEE SHEET GC002 FOR CIVIL GENERAL NOTES.
3. TOTAL DISTURBED AREA: 4.61 ACRES. REFERENCE THE LIMIT OF CONSTRUCTION LINE FOR LIMITS OF DISTURBANCE.
4. ALL RETROFITTED DETENTION PONDS MUST BE INSTALLED PRIOR TO OR CONCURRENT WITH PAVEMENT DEMOLITION AND INSTALLATION OF STORM DRAINAGE SYSTEM BYPASS.
5. NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50-FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION OR WITHIN 25-FEET OF THE COASTAL MARSHLAND BUFFER AS MEASURED FROM THE JURISDICTIONAL DETERMINATION LINE WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.
6. AMENDMENTS/REVISIONS TO THE ES&PC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMPs WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.
7. WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.
8. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.
9. EROSION CONTROL MEASURES MUST BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
10. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.
11. ALL INSPECTIONS, SAMPLING, RECORD KEEPING, AND RETENTION OF RECORDS SHALL BE PERFORMED PER REQUIREMENTS AND DETAILS STATED ON SHEETS CE003 AND CE004.
12. ALL MATERIAL BMPs WILL BE FOLLOWED PER REQUIREMENTS AND DETAILS STATED ON SHEET CE003.
13. REFERENCE DETAIL A1 ON SHEET CE501 FOR GEORGIA UNIFORM CODING SYSTEM FOR SOIL EROSION AND SEDIMENT CONTROL PRACTICES.

0000108575
LAURA OUDERKIRK
LEVEL II CERTIFICATION
EXPIRATION: 10/24/2027

A1 EROSION CONTROL INITIAL PHASE
SCALE 1" = 40'

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY:	J. SHEPHERD
DRAWN BY:	B. TSUI
CHECKED BY:	M. PAREDES
SUBMITTED BY:	J. SHEPHERD
SIZE: ANSI D	FILENAME: 121450_CE101.dwg
ISSUE DATE:	JANUARY, 2026
SOLICITATION NO.:	W912HN-26-B-A003
CONTRACT NO.:	
CATEGORY CODE	141-26

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
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BURNS McDONNELL
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HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN: 69262

EROSION CONTROL INITIAL PHASE

SHEET ID
CE101

GEORGIA
REGISTERED
NO. 36672
PROFESSIONAL
1/21/2026
ENGINEER
JASON T. SHEPHERD

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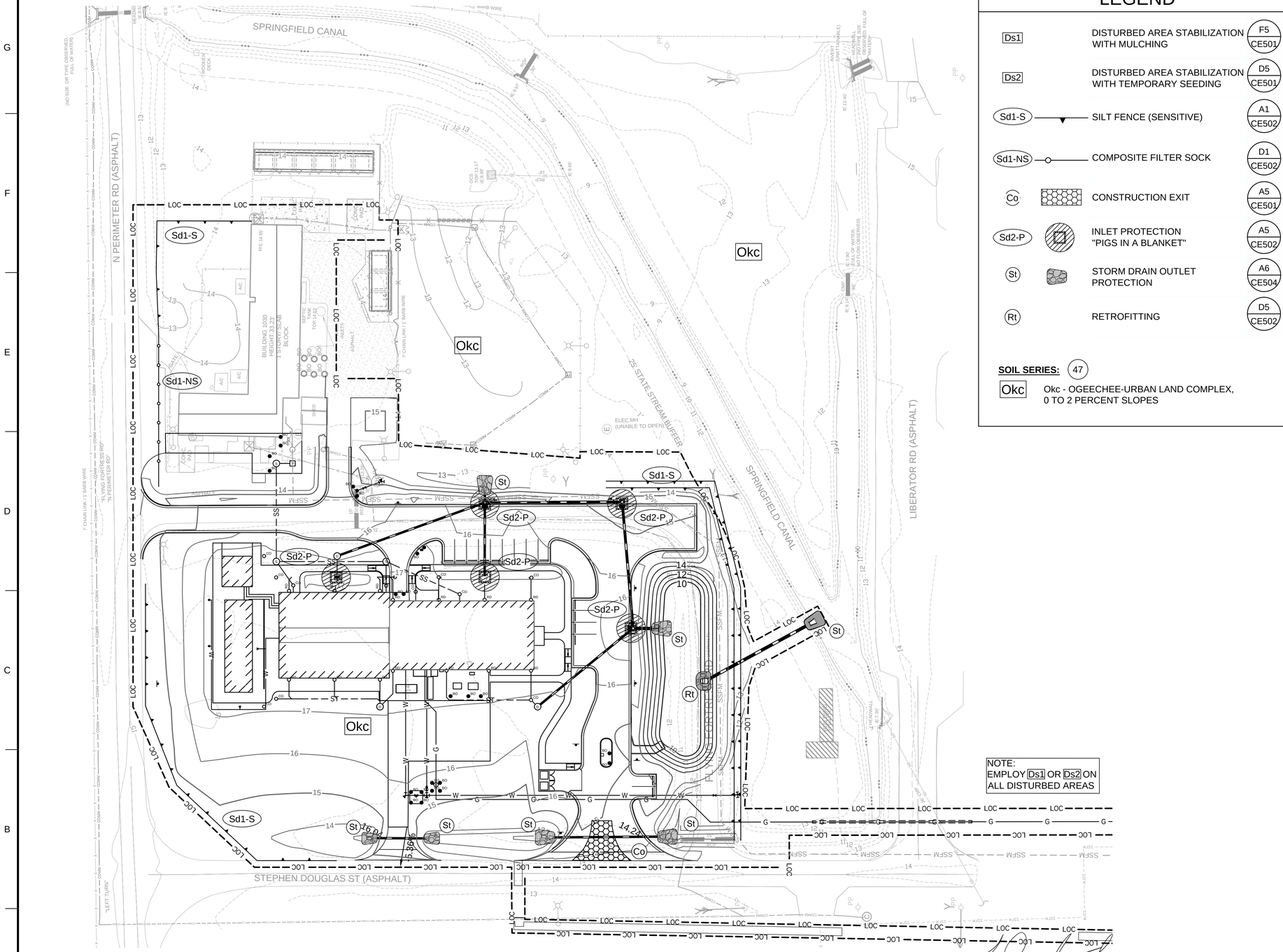

LEGEND

Ds1	DISTURBED AREA STABILIZATION WITH MULCHING	F5 CE501
Ds2	DISTURBED AREA STABILIZATION WITH TEMPORARY SEEDING	D5 CE501
Sd1-S	SILT FENCE (SENSITIVE)	A1 CE502
Sd1-NS	COMPOSITE FILTER SOCK	D1 CE502
Co	CONSTRUCTION EXIT	A5 CE501
Sd2-P	INLET PROTECTION "PIGS IN A BLANKET"	A5 CE502
St	STORM DRAIN OUTLET PROTECTION	A6 CE504
Rt	RETROFITTING	D5 CE502

SOIL SERIES: 47

Okc - OGEECHEE-URBAN LAND COMPLEX, 0 TO 2 PERCENT SLOPES

GENERAL NOTES

1. THE EXISTING SITE UTILITIES AND FEATURES SHOWN ARE BASED ON A FIELD RUN TOPOGRAPHIC SURVEY PERFORMED BY USACE SAVANNAH DISTRICT DESIGN BRANCH, DATA MANAGEMENT SECTION IN JULY, 2020.
2. SEE SHEET GC002 FOR CIVIL GENERAL NOTES.
48 3. TOTAL DISTURBED AREA: 4.61 ACRES. REFERENCE THE LIMIT OF CONSTRUCTION LINE FOR LIMITS OF DISTURBANCE.
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19 8. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.
20 9. EROSION CONTROL MEASURES MUST BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
21 10. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.
11. ALL INSPECTIONS, SAMPLING, RECORD KEEPING, AND RETENTION OF RECORDS SHALL BE PERFORMED PER REQUIREMENTS AND DETAILS STATED ON SHEETS CE003 AND CE004.
12. ALL MATERIAL BMPs WILL BE FOLLOWED PER REQUIREMENTS AND DETAILS STATED ON SHEET CE003.
13. REFERENCE DETAIL A1 ON SHEET CE501 FOR GEORGIA UNIFORM CODING SYSTEM FOR SOIL EROSION AND SEDIMENT CONTROL PRACTICES.

0000108575
LAURA OUDERKIRK
LEVEL II CERTIFICATION
EXPIRATION: 10/24/2027

A1 EROSION CONTROL INTERMEDIATE PHASE

SCALE 1" = 40'

0 20' 40' 80'

TRUE NORTH

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY:	J. SHEPHERD
DRAWN BY:	B. TSUI
CHECKED BY:	M. PAREDES
SUBMITTED BY:	J. SHEPHERD
SIZE:	ANSI D
ISSUE DATE:	JANUARY, 2026
SOLICITATION NO.:	W912HN-26-B-A003
CONTRACT NO.:	
CATEGORY CODE	141-26
FILENAME:	121450_CE102.dwg

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
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SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN: 69262

EROSION CONTROL INTERMEDIATE PHASE

SHEET ID
CE102

GEORGIA REGISTERED NO. 36672 PROFESSIONAL ENGINEER JASON T. SHEPHERD 1/21/2026

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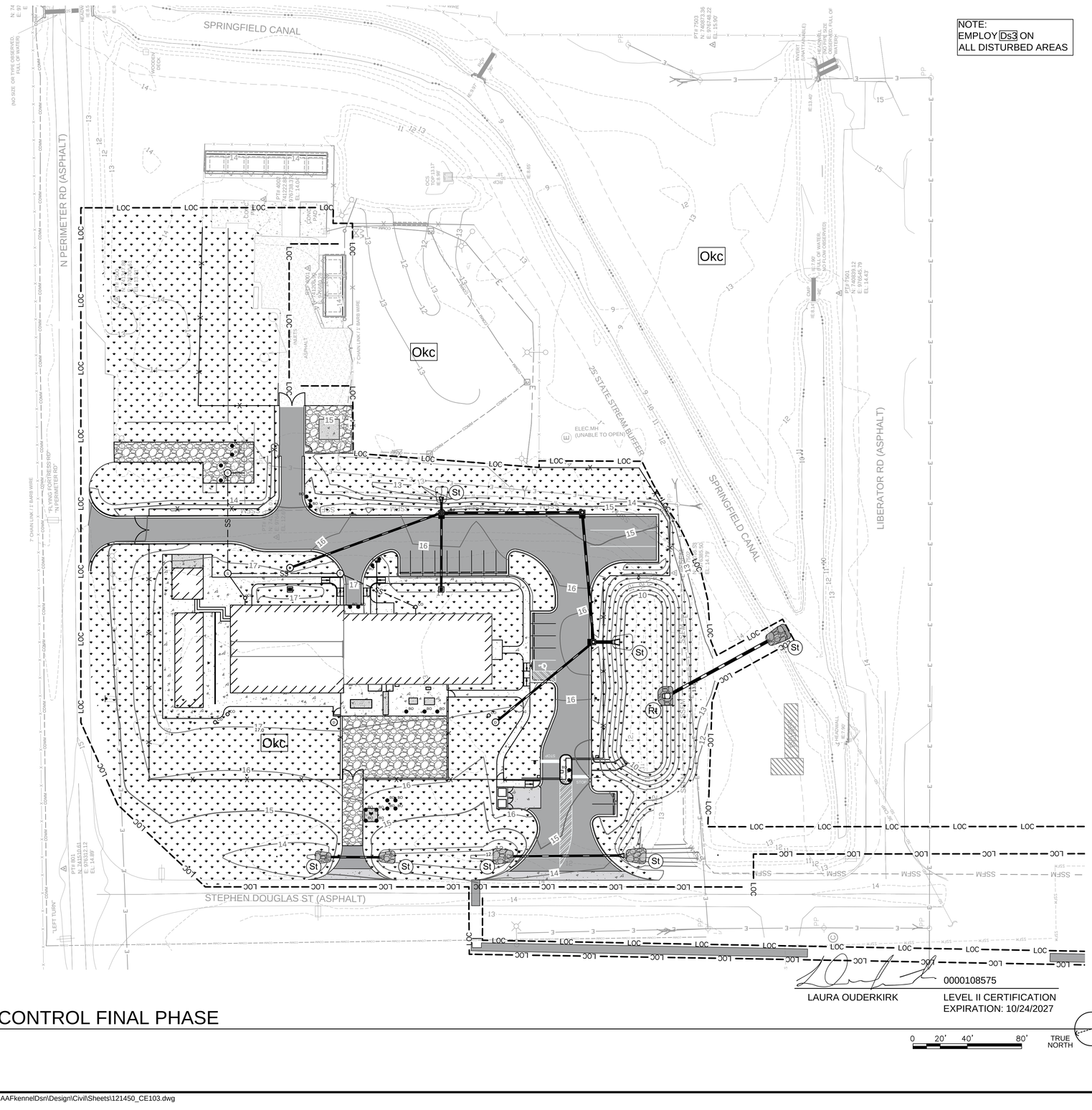

NOTE:
EMPLOY Ds3 ON
ALL DISTURBED AREAS

GENERAL NOTES

1. SEE SHEET GC001 FOR LEGEND AND ABBREVIATIONS.
2. SEE SHEET GC002 CIVIL GENERAL NOTES.
48 3. TOTAL DISTURBED AREA: 4.6 ACRES. REFERENCE THE LIMIT OF CONSTRUCTION LINE FOR LIMITS OF DISTURBANCE.
17 4. ALL MULCH AND TEMPORARY SEEDING SHALL BE REMOVED PRIOR TO INSTALLATION OF FINAL STABILIZATION MEASURES & PERMANENT SEEDING.
18 5. AMENDMENTS/REVISIONS TO THE ES&PC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMPs WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE EOR.
6. WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.
7. ALL INSPECTIONS, SAMPLING, RECORD KEEPING, AND RETENTION OF RECORDS SHALL BE PERFORMED PER REQUIREMENTS AND DETAILS STATED ON SHEETS CE003 AND CE004.
8. REFERENCE DETAIL A1 ON SHEET CE501 FOR GEORGIA UNIFORM CODING SYSTEM FOR SOIL EROSION AND SEDIMENT CONTROL PRACTICES.
9. REFERENCE CU SERIES SHEETS FOR INLET AND OUTLET LABELS.

LEGEND

EROSION CONTROL LEGEND:

Ds3	DISTURBED AREA STABILIZATION WITH PERMANENT SEEDING	A3 CE503
St	STORM DRAIN OUTLET PROTECTION	D5 CE502
Rt	RETROFITTING	D5 CE502

SOIL SERIES: 47

Okc — Okc - OGEECHEE-URBAN LAND COMPLEX, 0 TO 2 PERCENT SLOPES

0000108575
LAURA OUDERKIRK — LEVEL II CERTIFICATION
EXPIRATION: 10/24/2027

A1 EROSION CONTROL FINAL PHASE
SCALE 1" = 40'

US Army Corps of Engineers®

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DESIGNED BY:	J. SHEPHERD
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EROSION CONTROL FINAL PHASE

SHEET ID
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GEORGIA
JASON T. SHEPHERD
NO. 36672
PROFESSIONAL ENGINEER
1/21/2026

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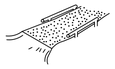
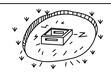
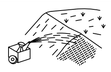
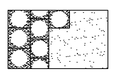
50 GEORGIA SOIL AND WATER CONSERVATION COMMISSION SOIL EROSION AND SEDIMENT CONTROL PRACTICES

51 STRUCTURAL PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Co	CONSTRUCTION EXIT		(LABEL)	A crushed stone pad located at the construction site exit to provide a place for removing mud from tires thereby protecting public streets.
Rt	RETRO FITTING		Rt	A device or structure placed in front of a permanent stormwater detention pond outlet structure to serve as a temporary sediment filter.
Sd1	SEDIMENT BARRIER			A barrier to prevent sediment from leaving the construction site. It may be sandbags, bales of straw or hay, brush, logs and poles, gravel, or a silt fence.
Sd2	INLET SEDIMENT TRAP			An impounding area created by excavating around a storm drain drop inlet. The excavated area will be filled and stabilized on completion of construction activities.
Sd3	TEMPORARY SEDIMENT BASIN		Sd3	A basin created by excavation or a dam across a waterway. The surface water runoff is temporarily stored allowing the bulk of the sediment to drop out.
St	STORMDRAIN OUTLET PROTECTION			A paved or short section of riprap channel at the outlet of a storm drain system preventing erosion from the concentrated runoff.

VEGETATIVE PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)		Ds1	Establishing temporary protection for disturbed areas where seedlings may not have a suitable growing season to produce an erosion retarding cover.
Ds2	DISTURBED AREA STABILIZATION (WITH TEMP SEEDING)		Ds2	Establishing a temporary vegetative cover with fast growing seedings on disturbed areas.
Ds3	DISTURBED AREA STABILIZATION (SODDING)		Ds3	A permanent vegetative cover using sods on highly erodable or critically eroded lands.

GaSWCC (Amended - 2013)

A1 GEORGIA UNIFORM CODING SYSTEM
NTS

MULCHING RATES

USE DRY STRAW OR DRY HAY OF GOOD QUALITY AND FREE OF WEEDS AND SEEDS. DRY STRAW OR HAY SHALL BE APPLIED AT THE RATE OF 2.5 TONS PER ACRE. MULCH WILL BE SPREAD UNIFORMLY WITHIN 24-HOURS AFTER SEEDING. MULCH SHALL BE USED DURING MONTHS THAT GRASSING SHOULD NOT BE APPLIED BASED ON THE SCHEDULE BELOW.

F5 DISTURBED AREA STABILIZATION WITH MULCHING Ds1
NTS

TEMPORARY AND PERMANENT VEGETATION SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF CHAPTER 6 OF "THE MANUAL FOR EROSION AND SEDIMENTATION CONTROL IN GEORGIA".

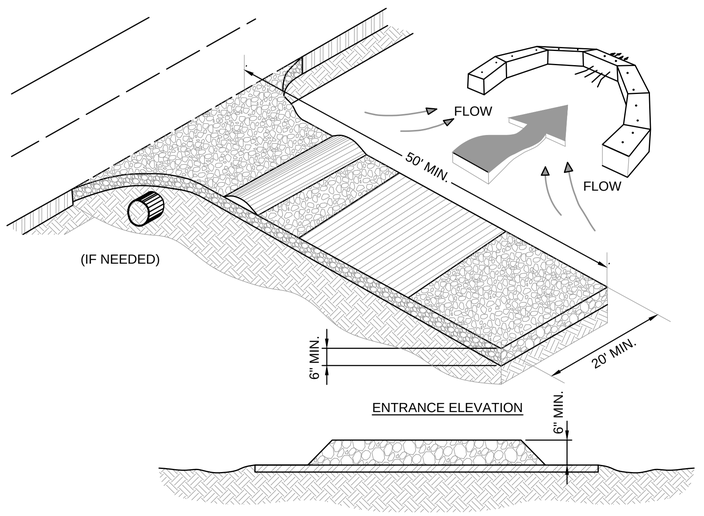
TEMPORARY GRASSING

TEMPORARY GRASSES SHALL CONSIST OF SOWING A QUICK GRASS SUCH AS RYE, BROWN TOP MILLET, OR GRASS SUITABLE TO THE AREA AND SEASON. LIME AND FERTILIZER WILL BE OMITTED. MULCH IS NOT REQUIRED BUT SHOULD BE USED AS DICTATED BY SITE CONDITIONS. TEMPORARY GRASSING IS REQUIRED WHEN DISTURBED AREA IS LEFT EXPOSED MORE THAN 14 DAYS.

SPECIES	RATE	PLANTING DATES
RYE GRASS	40#/ACRE	JAN-APR/AUG-DEC APRIL - JUNE
BROWN MILLET	10-40#/ACRE	AUGUST-DECEMBER
RYE	1/2-3 BU./ACRE	FEBRUARY-JUNE
WEEPING LOVEGRASS	2-4#/ACRE	FEBRUARY-APRIL
ANNUAL LESPEDEZA	10-40#/ACRE	APRIL-AUGUST
SUDAN GRASS	60#/ACRE	SEPTEMBER-DECEMBER
WHEAT	1/2-3BU./ACRE	

52 D5 DISTURBED AREA STABILIZATION WITH TEMPORARY SEEDING Ds2
NTS

EXIT DIAGRAM



NOTES:

1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
3. AGGREGATE SIZE SHALL BE STONE 2"-6".
4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6".
5. PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
6. A DIVERSION RIDGE SHOULD BE CONSTRUCTED WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%..
7. INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
8. WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN (DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE).
9. WASHRACKS AND/OR TIRE WASHERS MAY BE REQUIRED DEPENDING ON SCALE AND CIRCUMSTANCE. IF NECESSARY, WASHRACK DESIGN MAY CONSIST OF ANY MATERIAL SUITABLE FOR TRUCK TRAFFIC THAT REMOVE MUD AND DIRT.
10. MAINTAIN AREA IN A WAY THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

Co

A5 CRUSHED STONE CONSTRUCTION EXIT
NTS

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE 141-26
FILENAME: 121450_CE500.dwg

DESIGNED BY: J. SHEPHERD
DRAWN BY: B. TSUI
CHECKED BY: M. PAREDES
SUBMITTED BY: J. SHEPHERD
SIZE: ANSI D

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVENUE
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KONSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN: 69262

ES&PC DETAILS - 1

SHEET ID
CE501

READY TO ADVERTISE (RTA)

GEORGIA
NO. 36672
PROFESSIONAL ENGINEER
JASON T. SHEPHERD
1/21/2026

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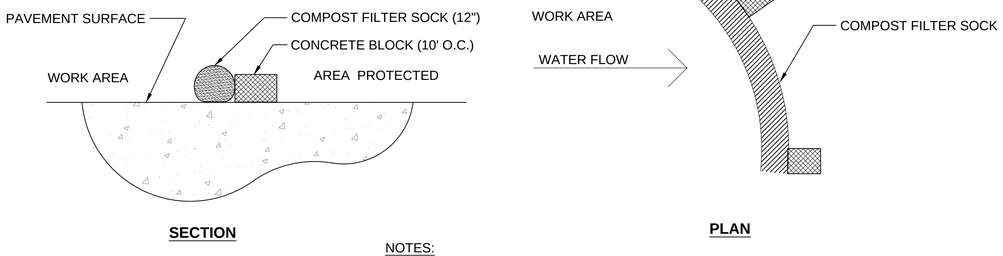
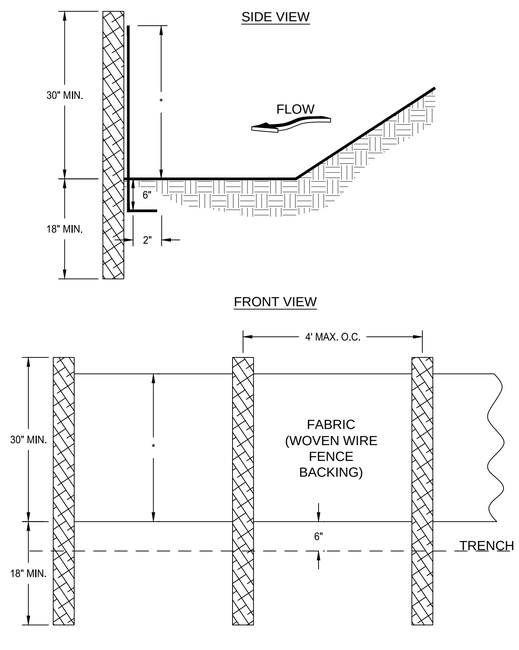


NOTES:
1. COMPOST FILTER SOCK, PER MANUFACTURER OR APPROVED EQUAL.
2. FILTER MEDIA TO MEET APPLICATION REQUIREMENTS.

Sd1-NS

D1 COMPOST FILTER SOCK
NTS

SILT FENCE - TYPE SENSITIVE

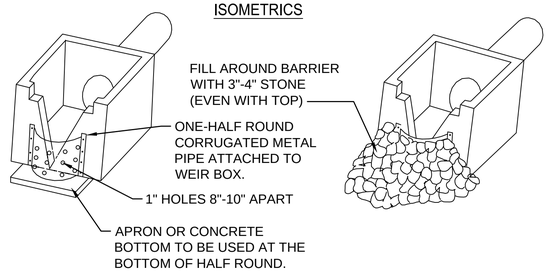


NOTES:
1. USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
2. HEIGHT (*) IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

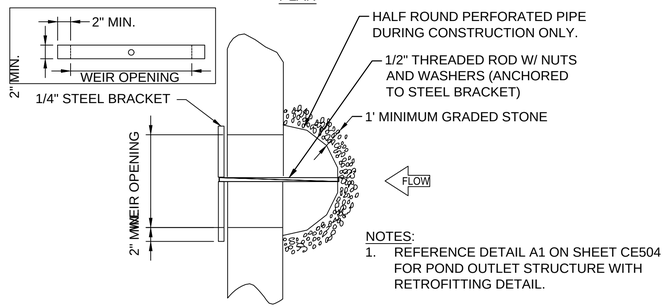
Sd1-S

A1 SILT FENCE - SENSITIVE
NTS

ISOMETRICS



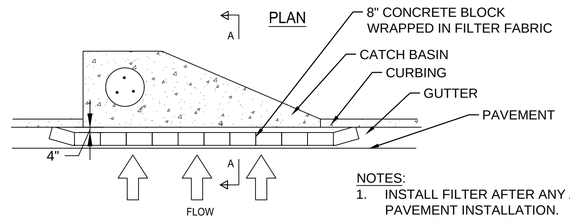
PLAN



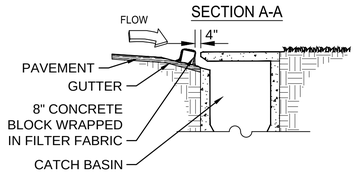
NOTES:
1. REFERENCE DETAIL A1 ON SHEET CE504 FOR POND OUTLET STRUCTURE WITH RETROFITTING DETAIL.

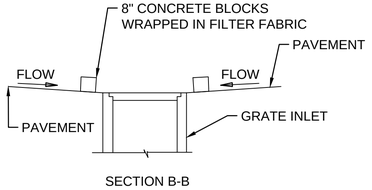
Rt-P

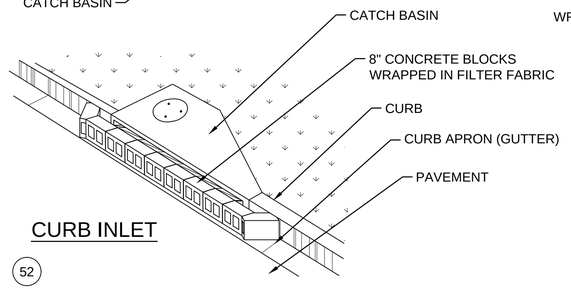
D5 RETROFITTING (PERFORATED HALF ROUND PIPE WITH STONE FILTER)
NTS

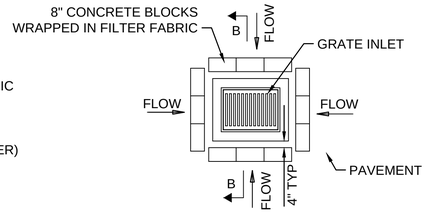


NOTES:
1. INSTALL FILTER AFTER ANY ASPHALT PAVEMENT INSTALLATION.
2. WRAP 8" CONCRETE BLOCKS IN FILTER FABRIC AND SPAN ACROSS CATCH BASIN INLET.
3. FACE OPENINGS IN BLOCKS OUTWARD.
4. LEAVE A GAP OF APPROXIMATELY 4 INCHES BETWEEN THE CURB AND THE FILTERS TO ALLOW FOR OVERFLOW TO PREVENT HAZARDOUS BONDING.
5. INSTALL OUTLET PROTECTION BELOW STORM DRAIN OUTLETS.









52

Sd2-P

A5 INLET PROTECTION - "PIGS IN A BLANKET"
NTS

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BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

MARK	DESCRIPTION	DATE

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SIZE: ANSI D
ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE 141-26
FILENAME: 121450_CE500.dwg

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN: 69262

ES&PC DETAILS - 2

SHEET ID
CE502

READY TO ADVERTISE (RTA)

GEORGIA
JASON T. SHEPHERD
NO. 36672
PROFESSIONAL ENGINEER
1/21/2026

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DEFINITION

THE PLANTING OF PERENNIAL VEGETATION SUCH AS TREES, SHRUBS, VINES, GRASSES, OR LEGUMES ON EXPOSED AREAS FOR FINAL PERMANENT STABILIZATION. PERMANENT PERENNIAL VEGETATION SHALL BE USED TO ACHIEVE FINAL STABILIZATION.

CONDITIONS

PERMANENT PERENNIAL VEGETATION IS USED TO PROVIDE A PROTECTIVE COVER FOR EXPOSED AREAS INCLUDING CUTS, FILLS, DAMS, AND OTHER DENUDED AREAS.

SPECIFICATIONS

GRADING AND SHAPING

GRADING AND SHAPING MAY NOT BE REQUIRED WHERE HYDRAULIC SEEDING AND FERTILIZING EQUIPMENT IS TO BE USED. VERTICAL BANKS SHALL BE SLOPED TO ENABLE PLANT ESTABLISHMENT.

WHEN CONVENTIONAL SEEDING AND FERTILIZING ARE TO BE DONE, GRADE AND SHAPE WHERE FEASIBLE AND PRACTICAL, SO THAT EQUIPMENT CAN BE USED SAFELY AND EFFICIENTLY DURING SEEDBED PREPARATION, SEEDING, MULCHING AND MAINTENANCE OF THE VEGETATION.

CONCENTRATIONS OF WATER THAT WILL CAUSE EXCESSIVE SOIL EROSION SHALL BE DIVERTED TO A SAFE OUTLET. DIVERSIONS AND OTHER TREATMENT PRACTICES SHALL CONFORM TO THE APPROPRIATE STANDARDS AND SPECIFICATIONS.

SEEDBED PREPARATION

SEEDBED PREPARATION MAY NOT BE REQUIRED WHERE HYDRAULIC SEEDING AND FERTILIZING EQUIPMENT IS TO BE USED. WHEN CONVENTIONAL SEEDING IS TO BE USED, SEEDBED PREPARATION WILL BE DONE AS FOLLOWS:

BROADCAST PLANTINGS

1. TILLAGE AT A MINIMUM, SHALL ADEQUATELY LOOSEN THE SOIL TO A DEPTH OF 4 TO 6 INCHES; ALLEVIATE COMPACTION; INCORPORATE LIME AND FERTILIZER; SMOOTH AND FIRM THE SOIL; ALLOW FOR THE PROPER PLACEMENT OF SEED, SPRIGS, OR PLANTS; AND ALLOW FOR THE ANCHORING OF STRAW OR HAY MULCH IF A DISK IS TO BE USED.
2. TILLAGE MAY BE DONE WITH ANY SUITABLE EQUIPMENT.
3. TILLAGE SHOULD BE DONE ON THE CONTOUR WHERE FEASIBLE.
4. ON SLOPES TOO STEEP FOR THE SAFE OPERATION OF TILLAGE EQUIPMENT, THE SOIL SURFACE SHALL BE PITTED OR TRENCHED ACROSS THE SLOPE WITH APPROPRIATE HAND TOOLS TO PROVIDE TWO PLACES 6 TO 8 INCHES APART IN WHICH SEED MAY LODGE AND GERMINATE. HYDRAULIC SEEDING MAY ALSO BE USED.

INDIVIDUAL PLANTS

1. WHERE INDIVIDUAL PLANTS ARE TO BE SET, THE SOIL SHALL BE PREPARED BY EXCAVATING HOLES, OPENING FURROWS, OR DIBBLE PLANTING.
2. FOR NURSERY STOCK PLANTS, HOLES SHALL BE LARGE ENOUGH TO ACCOMMODATE ROOTS WITHOUT CROWDING.
3. WHERE PINE SEEDLINGS ARE TO BE PLANTED, SUBSOIL UNDER THE ROW 36 INCHES DEEP ON THE CONTOUR FOUR TO SIX MONTHS PRIOR TO PLANTING. SUBSOILING SHOULD BE DONE WHEN THE SOIL IS DRY, PREFERABLY IN AUGUST OR SEPTEMBER.

PLANTING

HYDRAULIC SEEDING

MIX THE SEED (INNOCULATED IF NEEDED), FERTILIZER, AND WOOD CELLULOSE OR WOOD PULP FIBER MULCH WITH WATER AND APPLY IN A SLURRY UNIFORMLY OVER THE AREA TO BE TREATED. APPLY WITHIN ONE HOUR AFTER THE MIXTURE IS MADE.

CONVENTIONAL SEEDING

SEEDING WILL BE DONE ON A FRESHLY PREPARED AND FIRMED SEEDBED. FOR BROADCAST PLANTING, USE A CULTIPACKER SEEDER, DRILL, ROTARY SEEDER, OTHER MECHANICAL SEEDER, OR HAND SEEDING TO DISTRIBUTE THE SEED UNIFORMLY OVER THE AREA TO BE TREATED. COVER THE SEED LIGHTLY WITH 1/8 TO 1/4 INCH OF SOIL FOR SMALL SEED AND 1/2 TO 1 INCH FOR LARGE SEED WHEN USING A CULTIPACKER OR OTHER SUITABLE EQUIPMENT.

NO-TILL SEEDING

NO-TILL SEEDING IS PERMISSIBLE INTO ANNUAL COVER CROPS WHEN PLANTING IS DONE FOLLOWING MATURITY OF THE COVER CROP OR IF THE TEMPORARY COVER STAND IS SPARSE ENOUGH TO ALLOW ADEQUATE GROWTH OF THE PERMANENT (PERENNIAL) SPECIES. NO-TILL SEEDING SHALL BE DONE WITH APPROPRIATE NO-TILL SEEDING EQUIPMENT. THE SEED MUST BE UNIFORMLY DISTRIBUTED AND PLANTED AT THE PROPER DEPTH.

INDIVIDUAL PLANTS

SHRUBS, VINES AND SPRIGS MAY BE PLANTED WITH APPROPRIATE PLANTERS OR HAND TOOLS. PINE TREES SHALL BE PLANTED MANUALLY IN THE SUBSOIL FURROW. EACH PLANT SHALL BE SET IN A MANNER THAT WILL AVOID CROWDING THE ROOTS. NURSERY STOCK PLANTS SHALL BE PLANTED AT THE SAME DEPTH OR SLIGHTLY DEEPER THAN THEY GREW AT THE NURSERY. THE TIPS OF VINES AND SPRIGS MUST BE AT OR SLIGHTLY ABOVE THE GROUND SURFACE. WHERE INDIVIDUAL HOLES ARE DUG, FERTILIZER SHALL BE PLACED IN THE BOTTOM OF THE HOLE, TWO INCHES OF SOIL SHALL BE ADDED AND THE PLANT SHALL BE SET IN THE HOLE.

MULCHING

MULCH IS REQUIRED FOR ALL PERMANENT VEGETATION APPLICATIONS. MULCH APPLIED TO SEEDED AREAS SHALL ACHIEVE 75% SOIL COVER. SELECT THE MULCHING MATERIAL FROM THE FOLLOWING AND APPLY AS INDICATED:

1. DRY STRAW OR DRY HAY OF GOOD QUALITY AND FREE OF WEED SEEDS CAN BE USED. DRY STRAW SHALL BE APPLIED AT THE RATE OF 2 TONS PER ACRE. DRY HAY SHALL BE APPLIED AT A RATE OF 2 1/2 TONS PER ACRE.
2. WOOD CELLULOSE MULCH OR WOOD PULP FIBER SHALL BE USED WITH HYDRAULIC SEEDING. IT SHALL BE APPLIED AT THE RATE OF 500 POUNDS PER ACRE. DRYSTRAW OR DRY HAY SHALL BE APPLIED (AT THE RATE INDICATED ABOVE) AFTER HYDRAULIC SEEDING.
3. ONE THOUSAND POUNDS OF WOOD CELLULOSE OR WOOD PULP FIBER, WHICH INCLUDES A TACKIFIER, SHALL BE USED WITH HYDRAULIC SEEDING ON SLOPES 3/4:1 OR STEEPER.
4. SERICEA LESPEDEZA HAY CONTAINING MATURE SEED SHALL BE APPLIED AT A RATE OF THREE TONS PER ACRE.
5. PINE STRAW OR PINE BARK SHALL BE APPLIED AT A THICKNESS OF 3 INCHES FOR BEDDING PURPOSES. OTHER SUITABLE MATERIALS IN SUFFICIENT QUANTITY MAY BE USED WHERE ORNAMENTALS OR OTHER GROUND COVERS ARE PLANTED. THIS IS NOT APPROPRIATE FOR SEEDED AREAS.
6. WHEN USING TEMPORARY EROSION CONTROL BLANKETS OR BLOCK SOD, MULCH IS NOT REQUIRED.
7. BITUMINOUS TREATED ROVING MAY BE APPLIED ON PLANTED AREAS ON SLOPES, IN DITCHES OR DRY WATERWAYS TO PREVENT EROSION. BITUMINOUS TREATED ROVING SHALL BE APPLIED WITHIN 24 HOURS AFTER AN AREA HAS BEEN PLANTED. APPLICATION RATES AND MATERIALS MUST MEET GEORGIA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS.

WOOD CELLULOSE AND WOOD PULP FIBERS SHALL NOT CONTAIN GERMINATION OR GROWTH INHIBITING FACTORS. THEY SHALL BE EVENLY DISPERSED WHEN AGITATED IN WATER. THE FIBERS SHALL CONTAIN A DYE TO ALLOW VISUAL METERING AND AID IN UNIFORM APPLICATION DURING SEEDING.

APPLYING MULCH

STRAW OR HAY MULCH WILL BE SPREAD UNIFORMLY WITHIN 24 HOURS AFTER SEEDING AND/OR PLANTING. THE MULCH MAY BE SPREAD BY BLOWER-TYPE SPREADING EQUIPMENT, OTHER SPREADING EQUIPMENT OR BY HAND. MULCH SHALL BE APPLIED TO COVER 75% OF THE SOIL SURFACE.

WOOD CELLULOSE OR WOOD FIBER MULCH SHALL BE APPLIED UNIFORMLY WITH HYDRAULIC SEEDING EQUIPMENT.

ANCHORING MULCH

ANCHOR STRAW OR HAY MULCH IMMEDIATELY AFTER APPLICATION BY ONE OF THE FOLLOWING METHODS:

1. EMULSIFIED ASPHALT CAN BE (A) SPRAYED UNIFORMLY ONTO THE MULCH AS IT IS EJECTED FROM THE BLOWER MACHINE OR (B) SPRAYED ON THE MULCH IMMEDIATELY FOLLOWING MULCH APPLICATION WHEN STRAW OR HAY IS SPREAD BY METHODS OTHER THAN SPECIAL BLOWER EQUIPMENT.
2. THE COMBINATION OF ASPHALT EMULSION AND WATER SHALL CONSIST OF A HOMOGENEOUS MIXTURE SATISFACTORY FOR SPRAYING. THE MIXTURE SHALL CONSIST OF 100 GALLONS OF GRADE SS-1H OR CSS-1H EMULSIFIED ASPHALT AND 100 GALLONS OF WATER PER TON OF MULCH.
3. CARE SHALL BE TAKEN AT ALL TIMES TO PROTECT STATE WATERS, THE PUBLIC, ADJACENT PROPERTY, PAVEMENTS, CURBS, SIDEWALKS, AND ALL OTHER STRUCTURES FROM ASPHALT DISCOLORATION.
4. HAY AND STRAW MULCH SHALL BE PRESSED INTO THE SOIL IMMEDIATELY AFTER THE MULCH IS SPREAD. A SPECIAL “PACKER DISK”' OR DISK HARROW WITH THE DISKS SET STRAIGHT MAY BE USED. THE DISKS MAY BE SMOOTH OR SERRATED AND SHOULD BE 20 INCHES OR MORE IN DIAMETER AND 8 TO 12 INCHES APART. THE EDGES OF THE DISKS SHALL BE DULL ENOUGH TO PRESS THE MULCH INTO THE GROUND WITHOUT CUTTING IT, LEAVING MUCH OF IT IN AN ERECT POSITION. MULCH SHALL NOT BE PLOWED INTO THE SOIL.
5. SYNTHETIC TACKIFIERS OR BINDERS APPROVED BY GDOT SHALL BE APPLIED IN CONJUNCTION WITH OR IMMEDIATELY AFTER THE MULCH IS SPREAD. SYNTHETIC TACKIFIERS SHALL BE MIXED AND APPLIED ACCORDING TO MANUFACTURER'S SPECIFICATIONS. REFER TO TB - TACKIFIERS AND BINDERS.
6. RYE OR WHEAT CAN BE INCLUDED WITH FALL AND WINTER PLANTINGS TO STABILIZE THE MULCH. THEY SHALL BE APPLIED AT A RATE OF ONE-QUARTER TO ONE HALF BUSHEL PER ACRE.
7. PLASTIC MESH OR NETTING WITH MESH NO LARGER THAN ONE INCH BY ONE INCH MAY BE NEEDED TO ANCHOR STRAW OR HAY MULCH ON UNSTABLE SOILS AND CONCENTRATED FLOW AREAS. THESE MATERIALS SHALL BE INSTALLED AND ANCHORED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.

IRRIGATION

IRRIGATION SHALL BE APPLIED AT A RATE THAT WILL NOT CAUSE RUNOFF.

SPECIES	RATE PER 1,000 SQ.FT.	RATE PER ACRE*	PLANTING DATES **
BAHIA	1.4 POUNDS	60 LBS.	1/1-12/31
BERMUDA	0.2 POUND	10 LBS.	2/15-7/1
CENTIPEDE	BLOCK SOD ONLY	BLOCK SOD ONLY	4/1-7/1
LESPEDEZA	1.7 POUNDS	75 LBS.	1/1-12/31
WEEPING LOVE GRASS	0.1 POUND	4 LBS.	2/1-6/15
SWITCH GRASS	0.9 POUND	40 LBS.	3/15-6/1

SEEDING RATES FOR PERMANENT SEEDING

* UNUSUAL SITE CONDITIONS MAY REQUIRE HEAVIER SEEDING RATES

** SEEDING DATES MAY NEED TO BE ALTERED TO FIT TEMPERATURE VARIATIONS AND CONDITIONS.

A3 DISTURBED AREA STABILIZATION WITH PERMANENT SEEDING Ds3

NTS

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: J. SHEPHERD
DRAWN BY: B. TSUI
CHECKED BY: M. PAREDES
SUBMITTED BY: J. SHEPHERD
SIZE: ANSI D
ISSUE DATE: JANUARY, 2026
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CONTRACT NO.:
CATEGORY CODE 141-26
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SHEET ID
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GEORGIA REGISTERED No. 36672 PROFESSIONAL 1/21/2026 ENGINEER JASON T. SHEPHERD

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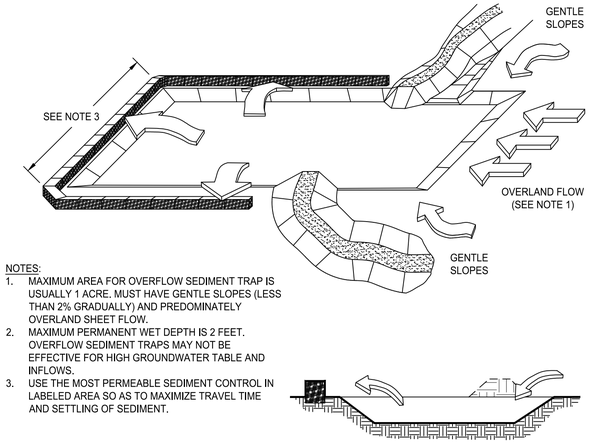
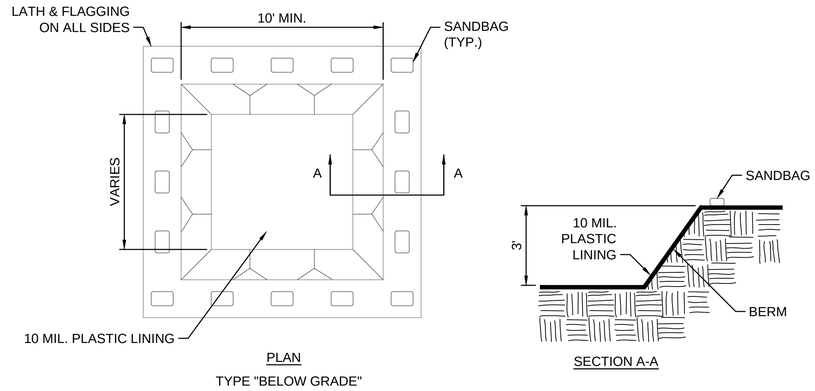


NOTES:
1. MAXIMUM AREA FOR OVERFLOW SEDIMENT TRAP IS USUALLY 1 ACRE. MUST HAVE GENTLE SLOPES (LESS THAN 2% GRADUALLY) AND PREDOMINATELY OVERLAND SHEET FLOW.
2. MAXIMUM PERMANENT WET DEPTH IS 2 FEET. OVERFLOW SEDIMENT TRAPS MAY NOT BE EFFECTIVE FOR HIGH GROUNDWATER TABLE AND INFLOWS.
3. USE THE MOST PERMEABLE SEDIMENT CONTROL IN LABELED AREA SO AS TO MAXIMIZE TRAVEL TIME AND SETTLING OF SEDIMENT.

E1 TEMPORARY SEDIMENT TRAP
NTS



PLAN

SECTION A-A

TYPE "BELOW GRADE"

NOTES:
1. THE CONTRACTOR MUST PROVIDE A DESIGNATED AREA FOR CONCRETE WASHDOWN OF TOOLS, CONCRETE MIXER CHUTES, HOPPERS, AND THE REAR OF THE VEHICLES. THIS AREA MUST HAVE A CONCRETE WASHOUT FACILITY AND SHALL BE CONSTRUCTED ACCORDING TO THE DETAIL SHOWN ABOVE.
2. THE CONCRETE WASHOUT FACILITY SHALL BE LOCATED A MINIMUM OF 50 FEET FROM STORM DRAINS, OPEN DITCHES, OR WATER BODIES.
3. WASHOUT DISCHARGE FROM THE CLEANING OF CONCRETE TRUCKS, ROOLS, AND OTHER EQUIPMENT SHALL NOT BE DISCHARGED INTO STORM DRAINS, OPEN DITCHES, STREETS, OR STREAMS.
4. EXCESS CONCRETE SHALL NOT BE DISPOSED OF ON SITE. ALL EXCESS CONCRETE SHALL BE TRANSPORTED OFF-SITE AND DISPOSED OF PROPERLY.
5. IT IS PROHIBITED TO WASHOUT THE MIXING DRUM OF CONCRETE TRUCKS ON-SITE.

D6 CONCRETE WASHOUT
NTS

SHEET REFERENCE	ID	PIPE SIZE	Q	V	LENGTH (LA)	WIDTH AT OUTLET	WIDTH AT END	RIP RAP D50
CG101 (AREA D7)	ST-A1.1	24 IN	5.08 CFS	4.56 FPS	8 FT	10 FT	5.5 FT	0.5 FT
CG101 (AREA F5)	ST-A1.5	15 IN	1.06 CFS	2.70 FPS	6 FT	7.5 FT	4.75 FT	0.5 FT
CG101 (AREA D8)	ST-A2.1	24 IN	0.82 CFS	5.06 FPS	8 FT	10 FT	5.5 FT	0.5 FT
CG102 (AREA E7)	ST-A2.2	24 IN	0.82 CFS	5.06 FPS	8 FT	10 FT	5.5 FT	0.5 FT
CG101 (AREA B7)	ST-B1.1	15 IN	1.98 CFS	1.61 FPS	6 FT	7.5 FT	4.75 FT	0.5 FT
CG101 (AREA B6)	ST-B1.2	15 IN	1.98 CFS	3.64 FPS	6 FT	7.5 FT	4.75 FT	0.5 FT
CG101 (AREA B4)	ST-B2.1	15 IN	1.23 CFS	3.18 FPS	6 FT	7.5 FT	4.75 FT	0.5 FT
CG101 (AREA B4)	ST-B2.2	15 IN	1.23 CFS	3.22 FPS	6 FT	7.5 FT	4.75 FT	0.5 FT

POND A-1.1 WITH RETROFITTING (SD-K3)
PERFORATED HALF-ROUND PIPE WITH STONE FILTER

STORAGE CALCULATIONS (EROSION CONTROL DRAINAGE AREA = 4.61 ac)

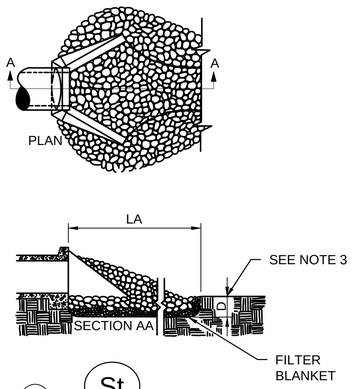
1. Required stormwater storage = 330.33 cy (10-YR, 24-HR STORM EVENT) (as determined by local ordinance)
2. Required sediment storage = 308.87 cy (67 cy/ac * 1.05 ac disturbed area)
3. Total required stage = (1) + (2) = (3) cy 330.00 + 308.87 = 638.87 cy
4. Available storage = (4) 1266.67 cy
5. Is the available storage (4) greater than the total required storage (3)?
   X yes __ no
6. If "no", the sediment storage capacity of the pond must be increased. Choose the method to be used:
   ____ Raise the invert of the outlet structure ____ inches
   ____ Undercut the pond ____ feet
   ____ Other _____
7. Clean-out elevation = 9.00 ft (Elevation corresponding to 22 cy/ac * 4.61 ac disturbed area) = 101.42 cy
8. Is the length-width ratio 2:1 or greater?
   X yes __ no
9. If "no" the length of flow must be increased. Choose the method to be used:
   ____ Baffles (Type of baffle: _____)
   ____ Other _____

Note the CMP diameter and height if a half-round CMP retrofit is to be used
Diameter = Height =

POND A-1.1 STAGE STORAGE

STAGE (ft)	ELEVATION (ft)	CONTOUR AREA (sq ft)	INCREMENTAL STORAGE (cu ft)	TOTAL STORAGE (cu ft)	TOTAL STORAGE (cy)
0.0	9.0	2,600	0	0	0.0
1.0	10.0	3,400	3,000	3,000	333.3
2.0	11.0	4,300	3,800	6,800	755.6
3.0	12.0	5,200	4,600	11,400	1,266.7

PIPE OUTLET TO WELL-DEFINED CHANNEL



NOTES:
1. REFERENCE SHEETS CG101 AND CG102 FOR STORMWATER IDs.
2. LA IS THE LENGTH OF THE RIP RAP APRON.
3. D = 1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6".
4. IN A WELL-DEFINED CHANNEL, EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION OF 6" ABOVE THE MAXIMUM ALL WATER DEPTH OR TO THE TOP OF THE BANK, WHICHEVER IS LESS
5. A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIP RAP AND SOIL FOUNDATION.
6. INSPECT RIP RAP OUTLET STRUCTURES WEEKLY AND AFTER SIGNIFICANT (1/2 INCH OR GREATER) RAINFALL EVENTS TO SEE IF ANY EROSION AROUND OR BELOW THE RIP RAP HAS TAKEN PLACE, OR IF STONES HAVE BEEN DISLODGED. IMMEDIATELY MAKE ALL NEEDED REPAIRS TO PREVENT FURTHER DAMAGE.

49
A1 RETROFITTING CALCULATIONS
NTS

46
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A6 STORM DRAIN OUTLET PROTECTION
NTS

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MARK	DESCRIPTION	DATE

DESIGNED BY: J. SHEPHERD
DRAWN BY: B. TSUI
CHECKED BY: M. PAREDES
SUBMITTED BY: J. SHEPHERD
SIZE: ANSI D
ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE 141-26
FILENAME: 121450_CE500.dwg

U.S. ARMY CORPS OF ENGINEERS
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HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN: 69262

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JASON T. SHEPHERD
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PROFESSIONAL ENGINEER
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STRUCTURAL GENERAL NOTES

1. GENERAL:
   - A. THESE NOTES, AND OTHER DRAWING NOTES CONTAINED WITHIN, ARE PROVIDED TO MEET SPECIFIC REQUIREMENTS AND TO SUPPLEMENT CONTRACT SPECIFICATIONS. THESE NOTES NEITHER REPLACE NOR OVERRIDE PROVISIONS AND REQUIREMENTS OF CONTRACT SPECIFICATIONS.
   - B. COORDINATE STRUCTURAL WORK WITH WORK SHOWN ON OTHER DISCIPLINE DRAWINGS.
   - C. VERIFY DIMENSIONS OF EXISTING CONSTRUCTION AND REPORT ANY DISCREPANCIES FROM CONTRACT DRAWINGS TO CONTRACTING OFFICER'S REPRESENTATIVE PRIOR TO COMMENCING WITH WORK. SCALING OF WORKING DIMENSIONS FROM STRUCTURAL DRAWINGS IS PROHIBITED.
   - D. CONTRACT DOCUMENTS REPRESENT FINISHED STRUCTURE. CONTRACTOR IS RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, SHORING AND TEMPORARY BRACING, UNDERTAKE MEASURES TO ENSURE SAFETY OF PERSONS AND STRUCTURES AT THE SITE AND ADJACENT TO THE SITE. VISITS TO SITE BY CONTRACTING OFFICER'S REPRESENTATIVE DO NOT RELIEVE CONTRACTOR OF SUCH RESPONSIBILITY.
   - E. IF CERTAIN FEATURES ARE NOT FULLY SHOWN OR CALLED FOR IN CONTRACT DOCUMENTS, THEIR CONSTRUCTION SHALL BE OF SAME CHARACTER AS FOR SIMILAR CONDITIONS THAT ARE SHOWN OR CALLED FOR, WITH THE APPROVAL OF CONTRACTING OFFICER'S REPRESENTATIVE. WHERE SECTIONS VARY, PROVIDE FOR SMOOTH TRANSITIONS BETWEEN THEM, UNLESS NOTED OTHERWISE.
   - F. INSTALL ALL PRODUCTS IN ACCORDANCE WITH MANUFACTURERS' WRITTEN INSTRUCTIONS AND RECOMMENDATIONS, UNLESS NOTED OTHERWISE.
   - G. ELEVATION 100' - 0" CORRESPONDS TO NAVD 88 ELEVATION +18.0.

2. DESIGN STANDARDS
   - A. PRINCIPAL CODE OF RECORD: INTERNATIONAL BUILDING CODE 2018 AS MODIFIED BY UNIFIED FACILITIES CRITERIA (UFC): 1-200-01, 3-301-01 AND 4-010-01.
   - B. ASCE/SEI 7, MINIMUM DESIGN LOADS AND ASSOCIATED CRITERIA FOR BUILDINGS AND OTHER STRUCTURES, 2022.
   - C. ACI 318, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, 2019.
   - D. TMS 402, BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES, 2016.
   - E. AISC 325, STEEL CONSTRUCTION MANUAL, 16th EDITION, 2023.
   - F. AISC 360, SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, 2022.
   - G. AISI COLD-FORMED STEEL DESIGN MANUAL, 2017.

3. SPECIAL INSPECTIONS
   - A. STATEMENT OF SPECIAL INSPECTIONS
     1. SEE STATEMENT OF SPECIAL INSPECTIONS IN SPECIFICATIONS SECTION 01 45 35.

4. DESIGN LOADS
   - A. RISK CATEGORY: II
   - B. DEAD AND LIVE LOADS
     1. FLOOR LIVE LOAD:
        - A. 100 PSF OFFICE/KENNELS OR CONCENTRATED LOAD OF 2000 LBS OVER AN AREA 2.5 FEET SQUARE, UNLESS NOTED OTHERWISE
        - B. 125 PSF LIGHT STORAGE AREA
        - C. 150 PSF MECHANICAL & ELECTRICAL ROOMS
     2. ROOF LIVE LOAD: 20 PSF OR CONCENTRATED LOAD OF 300 LBS OVER AN AREA 2.5 FEET SQUARE; CONCURRENT CONCENTRATED LOAD OF 50 LBS AT KENNELS/OFFICE ONLY.
     3. ROOF COLLATERAL LOAD: 18 PSF
     4. ROOF LATERAL LOAD FROM MASONRY: 350 PLF ASD (SEE DETAIL D5/S-504)
     5. FLOOR AND ROOF LIVE LOAD REDUCTION IS PERMITTED IN ACCORDANCE WITH ASCE/SEI 7-22.
   - C. EQUIPMENT LOADS
     1. AS INDICATED FOR EQUIPMENT WEIGHING IN EXCESS OF 300 LBS. FRAMING AND FOUNDATIONS ARE DESIGNED FOR EQUIPMENT WHICH SATISFIES CONTRACT DOCUMENTS.
     2. IF EQUIPMENT FURNISHED IS HEAVIER THAN WEIGHTS INDICATED, OR REQUIRES STRUCTURAL CHANGES FOR ANY OTHER REASON, PROVIDE ENGINEERING DESIGN CALCULATIONS AND ADDITIONAL STRUCTURAL WORK NECESSARY TO SUPPORT LOADS IN ACCORDANCE WITH DESIGN STANDARDS SPECIFIED ABOVE, AT NO ADDITIONAL COST TO GOVERNMENT AND WITH NO INCREASE IN CONTRACT TIME.
   - D. SNOW LOAD
     1. GROUND SNOW LOAD: 6 PSF
   - E. WIND LOAD
     1. BASIC DESIGN WIND SPEED: 134 MPH 3-SECOND GUST.
     2. ALLOWABLE STRESS DESIGN WIND SPEED: 104 MPH 3-SECOND GUST.
     3. 10 YEAR MRI WIND SPEED: 75 MPH 3-SECOND GUST.
     4. EXPOSURE CATEGORY: C.
     5. BUILDING CONDITION:
        - A. INDOOR KENNEL/STORAGE/ADMIN: ENCLOSED, GCpi = +-0.18.
        - B. OUTDOOR KENNEL: PARTIALLY ENCLOSED, GCpi = 0.55
        - C. BREAK AREA: OPEN, GCpi = 0.0.
     6. TOPOGRAPHIC FACTOR: 1.0.
     7. ELEVATION FACTOR: 1.0
     8. DESIGN PRESSURES FOR COMPONENTS AND CLADDING ARE INDICATED ON DRAWING S-005 - S-007.
   - J. EARTHQUAKE LOAD
     1. MAXIMUM CONSIDERED EARTHQUAKE SPECTRAL RESPONSE ACCELERATIONS Ss = 0.43, S1 = 0.12.
     2. DESIGN EARTHQUAKE SPECTRAL RESPONSE ACCELERATIONS Sds = 0.25, Sd1 = 0.14.
     3. IMPORTANCE FACTOR: 1.0
     4. SITE CLASS: E.
     5. SEISMIC DESIGN CATEGORY: C.
     6. ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE (ASSUMED)
     7. RESPONSE MODIFICATION FACTOR: R = 3.5 (ASSUMED)
     8. BASIC SEISMIC FORCE-RESISTING SYSTEM: ORDINARY STEEL MOMENT FRAMES (ASSUMED)
     9. SEISMIC RESPONSE COEFFICIENT: Cs = 0.071 (ASSUMED)

5. GEOTECHNICAL INFORMATION
   - A. SOURCE: SUBSURFACE EXPLORATION AND GEOTECHNICAL ENGINEERING REPORT, PROPOSED SOF MILITARY WORKING DOG KENNEL, USACE SAVANNAH DISTRICT, JULY 2020.
   - B. SITE PREPARATION
     1. PROVIDE EXCAVATION, FILL, AND BACKFILL IN ACCORDANCE WITH CONTRACT DRAWINGS AND SPECIFICATIONS, DIVISION 31.
     2. NOTIFY CONTRACTING OFFICER'S REPRESENTATIVE WHEN LOOSE OR SOFT SOILS ARE EXPOSED WHERE SLABS, MATS, OR FOOTINGS ARE TO BE PLACED SO THAT A DETERMINATION MAY BE MADE REGARDING IMPROVEMENT OF THIS POTENTIALLY UNDESIRABLE CONDITION.
   - C. SOIL CHARACTERISTICS
     1. UNIT WEIGHT: 120 PCF (WET) 125 PCF (SATURATED).
     2. WATER TABLE DEPTH: 7 FT.
   - D. LATERAL EARTH PRESSURE
     1. AT-REST CONDITION, Ko: 74 PCF, EQUIVALENT FLUID.
     2. ACTIVE CONDITION, Ka: 53 PCF, EQUIVALENT FLUID.
     3. PASSIVE CONDITION, Kp: 300 PCF, EQUIVALENT FLUID.
   - E. SLAB, MAT, AND FOOTING DESIGN PARAMETERS
     1. MODULUS OF SUBGRADE REACTION: 125 PCI.
     2. NET ALLOWABLE BEARING PRESSURE:1500 PSF.
     3. FROST DEPTH: 0".
     4. MINIMUM BEARING DEPTH: 18" (KENNEL/ADMIN/STORAGE), 24" (BREAK AREA)
     5. ULTIMATE CONCRETE-SOIL COEFFICIENT OF FRICTION: 0.35.

6. MATERIALS: SEE CONTRACT SPECIFICATIONS FOR COMPLETE REQUIREMENTS AND COMPLY WITH ALL APPLICABLE OSHA REGULATIONS
   - A. REINFORCED CONCRETE: SPECIFICATIONS SECTION 03 30 00
     1. PREPARE AND PLACE REINFORCED CONCRETE IN ACCORDANCE WITH ACI MANUAL OF CONCRETE PRACTICE.
     2. CONCRETE
        - a. UNLESS NOTED OTHERWISE: MINIMUM 28-DAY COMPRESSIVE STRENGTH f'c = 5000 PSI, NORMALWEIGHT.
        - b. DO NOT AIR-ENTRAIN CONCRETE FOR INTERIOR SLABS WITHIN ENCLOSED BUILDINGS WITH TROWEL FINISH.
     3. FORMWORK
        - a. CONTRACTOR IS RESPONSIBLE FOR DESIGN, ENGINEERING, STRUCTURAL ADEQUACY, AND CONSTRUCTION OF CONCRETE FORMWORK IN ACCORDANCE WITH CONTRACT DOCUMENTS.
        - b. COORDINATE CONCRETE WORK WITH PLACEMENT OF PIPING, INSERTS, FLOOR DRAINS, AND OTHER EMBEDDED ITEMS INDICATED IN CONTRACT DOCUMENTS.
        - c. SLEEVE NEW OR EXISTING PIPING OR UTILITIES PASSING THROUGH NEW CONCRETE, UNLESS NOTED OTHERWISE. SEE OTHER DISCIPLINE DRAWINGS FOR SLEEVE DETAILS. PROVIDE MEASURES TO ENSURE THAT SLEEVES REMAIN FREE OF DEBRIS AND WATER DURING CONSTRUCTION.
        - d. PROVIDE 3/4" CHAMFER STRIPS ON EDGES OF EXPOSED CONCRETE, UNLESS NOTED OTHERWISE.
        - e. WITH EXPLICIT PRIOR APPROVAL IN WRITING OF CONTRACTING OFFICER'S REPRESENTATIVE, COLUMN AND WALL FOOTINGS MAY BE EARTH-FORMED USING UNDISTURBED NATIVE SOIL. PROVIDE A MINIMUM EXCAVATION WIDTH 4" GREATER THAN INDICATED.
     4. REINFORCING STEEL
        - a. BARS: ASTM A615 GRADE 60.
        - b. REINFORCE CONCRETE UNLESS SPECIFICALLY MARKED "NOT REINFORCED" OR "UNREINFORCED".
        - c. DETAIL AND PLACE REINFORCEMENT IN ACCORDANCE WITH ACI SP-66, ACI 301, ACI 318, AND CRSI MANUAL OF STANDARD PRACTICE.
        - d. PROVIDE MINIMUM CONCRETE CLEAR COVER OVER REINFORCEMENT AS FOLLOWS, UNLESS NOTED OTHERWISE:
          - (1) CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3".
          - (2) CONCRETE EXPOSED TO EARTH: #6 THROUGH #11 BARS - 2"; #5 AND SMALLER BARS - 1 1/2".
          - (3) CONCRETE EXPOSED TO WEATHER: 2 1/2".
          - (4) CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND: SLABS AND WALLS - 3/4"; BEAMS AND COLUMNS, PRIMARY REINFORCEMENT, TIES, STIRRUPS, SPIRALS - 1 1/2".
        - f. CONFORM EMBEDMENT AND LAP SPLICE LENGTHS FOR REINFORCING STEEL BARS TO TABLES SHOWN ON TYPICAL REINFORCING DEVELOPMENT AND SPLICES DETAIL.
        - g. PROVIDE ADDITIONAL REINFORCEMENT AT OPENINGS AND CORNER BARS AT INTERSECTING GRADE BEAMS, WALLS, AND CURBS IN ACCORDANCE WITH STANDARD DETAILS ON DRAWINGS S-511 AND S-512, UNLESS NOTED OTHERWISE.
        - h. INSERTING REINFORCEMENT INTO FRESH OR PARTIALLY HARDENED CONCRETE IS PROHIBITED WITHOUT THE EXPLICIT PRIOR APPROVAL IN WRITING OF THE STRUCTURAL ENGINEER OF RECORD
     5. JOINTS
        - a. LOCATE CONSTRUCTION, CONTRACTION, ISOLATION, EXPANSION, AND OTHER JOINTS AS INDICATED OR SPECIFIED, OR OTHERWISE APPROVED BY CONTRACTING OFFICER'S REPRESENTATIVE.
        - b. CLEAN SURFACES OF HORIZONTAL AND VERTICAL CONSTRUCTION JOINTS OF LAITANCE AND EXPOSE CLEAN COARSE AGGREGATE SOLIDLY EMBEDDED IN MORTAR MIX. JUST PRIOR TO DEPOSITING CONCRETE, THOROUGHLY CLEAN AND WET SURFACE OF CONSTRUCTION JOINT.
        - c. APPLY THESE PROVISIONS WHEN NEW CONCRETE IS PLACED AGAINST EXISTING CONCRETE. IN ADDITION, ADEQUATELY PREPARE EXISTING CONCRETE SURFACE BY APPLICATION OF A BONDING AGENT.

6. MATERIALS (CONTINUED)
   - B. REINFORCED MASONRY: SPECIFICATIONS SECTION 04 20 00
     1. GENERAL
        - a. CONSTRUCT REINFORCED MASONRY IN ACCORDANCE WITH TMS 402 AS MODIFIED BY CONTRACT DOCUMENTS.
        - b. UNITS: ASTM C90, LIGHTWEIGHT NOT LESS THAN 105 PCF
          - (1) OPEN END UNITS MAY BE USED TO FACILITATE WALL CONSTRUCTION.
          - (2) DOUBLE OPEN END UNITS MAY BE USED WHEN WALL IS SOLID GROUTED.
          - (3) USE U-SHAPED BOND BEAMS AT OPENING HEAD LOCATIONS AND KNOCK-OUT BOND BEAMS ELSEWHERE.
          - (4) DO NOT FIELD-MODIFY UNITS UNLESS INTENDED TO BE MODIFIED.
        - c. MORTAR: ASTM C270 TYPE S, PROPORTION METHOD.
        - d. ASSEMBLY: MINIMUM COMPRESSIVE STRENGTH f'm = 2,000 PSI.
     2. REINFORCING STEEL
        - a. BARS: ASTM 615 GRADE 60
        - b. MINIMUM CLEAR DISTANCE TO UNIT: 1/2".
        - c. MINIMUM CLEAR DISTANCE TO ANY FACE OF MASONRY UNIT OR FORMED SURFACE: 3/4", FOR GREATER THAN #5 BAR OR IF EXPOSED TO WEATHER.
        - d. USE FULL CONTACT LAP SPLICES FOR REINFORCING STEEL IN WALLS WITH THE FOLLOWING MINIMUM LAP LENGTHS: 25" FOR #4, 40" FOR #5, 54" FOR #6.
     3. GROUT
        - a. ASTM C476, MINIMUM COMPRESSIVE STRENGTH = 2,000 PSI, 8" TO 11" SLUMP.
        - b. FULLY GROUT CELLS CONTAINING REINFORCING STEEL AND CELLS LOCATED BELOW FINISH FLOOR ELEVATION.
        - c. PROVIDE UNITS WITH MINIMUM SPACE IN CELLS TO RECIEVE GROUT OF 3"X3" AND ALIGN TO PROVIDE UNOBSTRUCTED OPENINGS.
        - d. PLACE GROUT WITHIN 1 1/2 HOURS AFTER ADDING MIX-DESIGNED WATER AND PRIOR TO INITIAL SET. GROUT CONTINUOUSLY USING POUR HEIGHTS NOT EXCEEDING 12 FT AND LIFTS NOT EXCEEDING 5 FT, WITH NO INTERRUPTIONS EXCEEDING 1 HOUR.
        - e. CONSOLIDATE GROUT IN ASSEMBLED WALLS BY MECHANICAL VIBRATION AT TIME OF PLACEMENT. RECONSOLIDATE GROUT BY MECHANICAL VIBRATION AFTER INITIAL WATER LOSS AND SETTLEMENT HAS OCCURRED.
     4. CONSTRUCTION
        - a. USE RUNNING BOND PATTERN, UNLESS INDICATED OTHERWISE.
        - b. EMPLOY FULL MORTAR BEDDING FOR PARTIALLY GROUTED WALLS.
        - c. ARCHITECTURAL COMPONENTS SUCH AS SEALANT, FLASHING, ETC, ARE NOT ILLUSTRATED IN STRUCTURAL DETAILS. SEE ARCHITECTURAL DRAWINGS FOR THESE COMPONENTS.
        - d. PROVIDE LATERAL SUPPORT AT THE TOP OF WALLS, UNLESS INDICATED OTHERWISE. SEE NOTE 6.B.5.
        - e. SEE ARCHITECTURAL DRAWINGS FOR BRICK EXPANSION JOINT LOCATIONS
        - f. DOUBLE OPEN END UNITS MAY BE USED WHEN WALL IS SOLID GROUTED.
     5. VERTICAL REINFORCEMENT
        - a. UNLESS NOTED OTHERWISE, PROVIDE #5 VERTICAL BAR CENTERED IN CELL AT A MAXIMUM HORIZONTAL SPACING OF 16" ON CENTER.
        - b. PROVIDE ADDITIONAL VERTICAL REINFORCEMENT AT INTERSECTION OF WALLS, AND AT EACH SIDE OF ALL MASONRY OPENINGS GREATER THAN 12" IN WIDE. AT OPENINGS WIDER THAN 24" PROVIDE ADDITIONAL VERTICAL REINFORCEMENT IN ADJACENT CELLS ON EACH SIDE, UNLESS NOTED OTHERWISE.
        - c. PROVIDE FOUNDATION DOWEL SAME SIZE AND LOCATION AS VERTICAL BARS IN WALL ABOVE. EXTEND ABOVE CONCRETE SURFACE A MINIMUM OF 2" GREATER THAN REQUIRED LAP SPLICE. AT THICKENED SLABS, EXTEND DOWELS TO WITHIN 2" OF THE BOTTOM OF SLAB AND PROVIDE A STANDARD 90° HOOK UNLESS NOTED OTHERWISE.
        - d. EXTEND ALL VERTICAL BARS FROM BOTTOM COURSE THROUGH TOP MOST BOND BEAM.
        - e. WHERE BEAM IS SUPPORTED BY LOAD-BEARING MASONRY WALL, PROVIDE VERTICAL REINFORCEMENT IN EACH CELL DIRECTLY BELOW AND IN ONE CELL ON EACH SIDE.
     6. HORIZONTAL REINFORCEMENT
        - a. CONSTRUCT BOND BEAMS USING (2) #5 HORIZONTAL.
        - b. PROVIDE CONTINUOUS BOND BEAMS AT BOTTOM COURSE, WHERE INDICATED ON STRUCTURAL OR ARCHITECTURAL DRAWINGS, AND AT A MAXIMUM VERTICAL SPACING OF 48".
        - c. WHERE TOP OF WALL IS FLAT, PROVIDE BOND BEAM AT TOP-MOST OR AT SECOND FROM TOP-MOST COURSE AS PRACTICABLE TO MAINTAIN CONTINUITY.
        - d. WHERE TOP OF WALL IS SLOPED, PROVIDE SLOPING BOND BEAM PER TYPICAL DETAIL ON CONTRACT DRAWINGS, UNLESS NOTED OTHERWISE.
        - e. PROVIDE BOND BEAM BELOW EACH OPENING AND EXTEND 16" MINIMUM BEYOND EACH SIDE OF OPENING.
        - f. PROVIDE HORIZONTAL JOINT REINFORCEMENT AT EVERY OTHER COURSE OR A MAXIMUM 16" SPACING. BEGIN JOINT REINFORCING AT THE TOP OF SECOND BLOCK COURSE ABOVE FLOOR SLAB.
     7. CONTROL JOINTS: NOT PERMITTED
     8. TOP CLIP SUPPORTS: PROVIDE LATERAL SUPPORT FROM METAL BUILDING SYSTEM ALONG TOPS OF ALL FULL HEIGHT WALLS
     9. LINTELS: PROVIDE MASONRY LINTELS ABOVE OPENINGS IN MASONRY WALLS AS REQUIRED. SEE DETAILS ON S-513.

GEORGIA REGISTERED No. 36000268 STRUCTURAL ENGINEER PETER J. GROSSKAMP

2026.01.21 12:12:11-05'00'

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

DESIGN BY: K. EDWARDS
DRAWN BY: B. DOWNEY
CHECKED BY: P. GROSSKAMP
SUBMITTED BY: P. GROSSKAMP
SIZE: ANSI D
ISSUE DATE: JANUARY 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-001
FILE NAME: 189618 S Central

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GENERAL NOTES - SHEET 1

SHEET ID
S-001

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STRUCTURAL GENERAL NOTES (CONTINUED)

6. MATERIALS (CONTINUED):
   C. STRUCTURAL STEEL: SPECIFICATIONS SECTION 05 12 00
      1. STRUCTURAL STEEL FRAMING HAS BEEN DESIGNED FOR STRENGTH USING THE LOAD AND RESISTANCE FACTOR DESIGN (LRFD) METHODOLOGY AND FOR STABILITY USING THE DIRECT ANALYSIS METHOD OF DESIGN.
      2. FABRICATE AND ERECT STRUCTURAL STEEL IN ACCORDANCE WITH AISC STEEL CONSTRUCTION MANUAL, 16th EDITION AND AISC 303-22 - CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES, AS MODIFIED BY CONTRACT DOCUMENTS.
      3. STEEL CONNECTION DESIGN SHALL BE PERFORMED ACCORDING TO AISC CODES AND SPECIFICATIONS BY A PROFESSIONAL ENGINEER DESIGNATED BY THE STEEL CONTRACTOR. CALCULATIONS SHALL BE SIGNED AND SEALED BY THE PROFESSIONAL ENGINEER LICENSED IN THE STATE OF GEORGIA RESPONSIBLE FOR THE PREPARATION. SUBMIT CALCULATIONS FOR STRUCTURAL ENGINEER OF RECORD REVIEW AND APPROVAL
      4. DESIGN AND PROVIDE TEMPORARY ERECTION BRACING AS REQUIRED, AND DO NOT REMOVE IT UNTIL ALL PERMANENT LATERAL-LOAD-RESISTING ELEMENTS AND CONNECTIONS ARE COMPLETELY INSTALLED.
      5. ROLLED SHAPES, KICKERS, PLATES, AND THREADED RODS
         a. ASTM A36, Fy = 36 KSI UNLESS NOTED OTHERWISE.
      6. SQUARE AND RECTANGULAR HOLLOW STRUCTURAL SECTIONS: ASTM A500 GRADE C, Fy = 50 KSI.
      7. CONNECTION MATERIALS
         A. BEAM COLUMN CONTINUITY PLATES: ASTM A 572, GRADE 50.
         B. ALL DELIGATED DESIGN CONNECTION MATERIAL, EXCEPT AS NOTED OTHERWISE HEREIN OR ON THE DRAWINGS, INCLUDING BEARING PLATES, GUSSET PLATES, STIFFENER PLATES, FILLER PLATES, ANGLES, ETC. SHALL CONFORM TO ASTM A36 UNLESS A HIGHER GRADE OF STEEL IS REQUIRED BY STRENGTH AND PROVIDED THE RESULTING SIZES ARE COMPATIBLE WITH THE CONNECTED MEMBERS.
      8. BOLTS
         a. MINIMUM 3/4" DIAMETER ASTM F3125 GRADE A325 WITH DIRECT TENSION WASHERS UNLESS NOTED OTHERWISE.
         b. DIRECT TENSION INDICATOR WASHERS: ASTM F959.
         c. ON ONE SIDE OF EACH DOUBLE ANGLE CONNECTION OF BEAMS TO COLUMN WEB OR GIRDER WEB DIRECTLY OVER COLUMN, PROVIDE TEMPORARY SEAT ANGLE ATTACHED TO COLUMN OR GIRDER WEB AND TO BOTTOM FLANGE OF BEAM, MINIMUM L4X3X3/8 LLH WITH TWO BOLTS EACH LEG. SINGLE AND DOUBLE STAGGERED CONNECTIONS ARE PROHIBITED WITHOUT EXPLICIT PRIOR APPROVAL IN WRITING FROM STRUCTURAL ENGINEER OF RECORD.
         d. ALL FIELD-BOLTED SHEAR CONNECTIONS SHALL BE SNUG TIGHT BEARING-TYPE CONNECTIONS, THREADS INCLUDED IN THE SHEAR PLANE UNLESS NOTED OTHERWISE.
      9. CONNECTIONS
         a. THE CONNECTION ENGINEER SHALL REVIEW AND CONFIRM IN WRITING THAT THE SHOP DRAWINGS PROPERLY AND COMPLETELY INCORPORATE THE CONNECTION DESIGNS.
         b. CONNECTION DETAILS NOT COMPLETELY DETAILED ON THE DRAWINGS INCLUDING MATERIAL GRADE AND SIZES, WELD SIZES, AND NUMBER OF BOLTS SHALL BE DESIGNED BY THE CONTRACTOR PER THE SPECIFICATIONS.
      10. WELDING: AWS D1.1 USING E70 ELECTRODE, WITH LOW HYDROGEN.
      11. ANCHOR RODS
         a. ASTM F1554 GRADE 55.
         b. LOCATE ANCHOR RODS ACCURATELY, SET WITH TEMPLATES, AND SECURELY HOLD IN POSITION WHILE PLACING CONCRETE. PROTECT IN-PLACE ANCHOR RODS FROM CONSTRUCTION ACTIVITY.
         c. THE FOLLOWING ARE PROHIBITED WITHOUT EXPLICIT PRIOR APPROVAL IN WRITING FROM STRUCTURAL ENGINEER OF RECORD:
            - INSERTING ANCHOR RODS INTO FRESH OR PARTIALLY HARDENED CONCRETE.
            - SUBSTITUTING POST-INSTALLED ANCHORS WHERE EMBEDDED ANCHOR RODS ARE INDICATED.
            - REPAIRING, REPLACING, OR MODIFYING INSTALLED ANCHOR RODS.

6. MATERIALS (CONTINUED):
   C. STRUCTURAL STEEL (CONTINUED)
      13. POST-INSTALLED ANCHORS
         a. PROVIDE POST-INSTALLED ANCHOR OF THE SIZE AND TYPE INDICATED IN THE DRAWINGS THAT MEET OR EXCEED THE INDICATED LOADS. THE CAPACITY OF THE POST-INSTALLED ANCHOR SHALL BE MODIFIED BASED ON EMBEDMENT, EDGE DISTANCE AND SPACING. PRODUCT DATA AND CALCULATIONS FOR THE PROPOSED ANCHOR SHALL BE SUBMITTED AT LEAST 30 DAYS PRIOR TO INSTALLATION OF THE POST INSTALLED ANCHOR. SUBMIT ANCHOR DESIGN CALCULATIONS SEALED BY PROFESSIONAL ENGINEER WHERE NOT EXPLICITLY SHOWN ON DRAWINGS.
         b. A MANUFACTURER'S REPRESENTATIVE SHALL BE ONSITE TO PROVIDE ONSITE TRAINING FOR ALL OF THE ANCHORING PRODUCTS TO BE USED ON THE PROJECT. ALL PERSONNEL WHO INSTALL ANCHORS SHALL BE TRAINED A MINIMUM OF 1 WEEK PRIOR TO COMMENCEMENT OF ANCHOR INSTALLATION.
         c. ALL ANCHORS INTO CONCRETE SHALL BE APPROVED FOR USE IN CRACKED CONCRETE AND SHALL BE DESIGNED FOR CRACKED CONCRETE UNLESS NOTED OTHERWISE.
         d. EXISTING CONCRETE REINFORCEMENT SHALL NOT BE DAMAGED.
         e. POST-INSTALLED MECHANICAL ANCHORS
            - GALVANIZED STEEL MANUALLY EXPANDED WEDGE TYPE, UNLESS NOTED OTHERWISE.
            - PROVIDE ANCHORS THAT HAVE BEEN TESTED AND ASSESSED IN ACCORDANCE WITH LATEST EDITION OF APPLICABLE ACCEPTANCE CRITERIA AND SUBMIT CORRESPONDING ICC EVALUATION SERVICE REPORTS
               1. MECHANICAL ANCHORS IN CONCRETE: ICC-ES AC193.
               2. EXPANSION ANCHORS IN MASONRY: ICC-ES AC01.
               3. PREDRILLED FASTENERS (SCREW ANCHORS) IN MASONRY: ICC-ES AC106.
         f. POST-INSTALLED ADHESIVE ANCHORS
            - GALVANIZED STEEL THREADED ROD WITH EPOXY OR HYBRID RESIN ADHESIVE AND CYLINDRICAL WIRE MESH SCREEN TUBE FOR INSTALLATION IN HOLLOW MASONRY, UNLESS NOTED OTHERWISE.
            - DO NOT USE BULK-MIXED ADHESIVES. PROVIDE THREADED ROD COMPATIBLE WITH ADHESIVE AND ACCEPTABLE TO MANUFACTURER.
            - PROVIDE ANCHORS AS ENTIRE SYSTEM INCLUDING, BUT NOT LIMITED TO, MANUFACTURER'S PRINTED INSTRUCTIONS AS FURNISHED WITH ADHESIVE, ADHESIVE CARTRIDGE, MIXING NOZZLE, EXTENSION TUBE, DISPENSER, AND ALL REQUIRED EQUIPMENT FOR PROPERLY CLEANING DRILLED HOLE.
            - ADHESIVE AND FRICTION TYPE ANCHORS ARE NOT PERMITTED TO BE USED FOR OVERHEAD APPLICATION AND IN CONDITION WHERE ANCHOR IS SUBJECT TO SUSTAINED TENSILE LOAD, UNLESS NOTED OTHERWISE.
            - HOLLOW MASONRY ANCHORS: ASTM A36 CARBON STEEL THREADED ROD WITH CYLINDRICAL STEEL WIRE MESH SCREEN TUBE AND INJECTABLE HYBRID ADHESIVE.
            - GROUTED MASONRY ANCHORS: ASTM F1554 GRADE 36 CARBON STEEL THREADED ROD WITH INJECTABLE ADHESIVE ANCHOR SYSTEM.
            - PROVIDE ANCHOR SYSTEMS THAT HAVE BEEN TESTED AND ASSESSED IN ACCORDANCE WITH LATEST EDITION OF APPLICABLE ACCEPTANCE CRITERIA AND SUBMIT CORRESPONDING ICC EVALUATION SERVICE REPORTS
               1. ADHESIVE ANCHORS IN CONCRETE: ICC-ES AC308.
               2. ADHESIVE ANCHORS IN MASONRY: ICC-ES AC58.
               3. ANCHORS IN UNREINFORCED MASONRY: ICC-ES AC60.
      14. GROUT: CEMENTITIOUS NON-SHRINK, NON-METALLIC, MINIMUM 28-DAY COMPRESSIVE STRENGTH = 5000PSI, UNLESS NOTED OTHERWISE.
      15. REFER TO ARCHITECTURAL DRAWINGS FOR MISCELLANEOUS STEEL NOT INCLUDED IN STRUCTURAL DRAWINGS. INCLUDE MISCELLANEOUS STEEL IN SHOP DRAWINGS SUBMITTED FOR REVIEW AND APPROVAL.

   D. COLD-FORMED METAL FRAMING: SPECIFICATIONS SECTION 05 40 00
      1. DESIGN FABRICATE AND ERECT COLD-FORMED METAL FRAMING IN ACCORDANCE WITH AISI COLD-FORMED STEEL DESIGN MANUAL AND SSMA OR PUBLICATIONS AS APPLICABLE.
      2. SHAPE DESIGNATIONS FOR STUDS, JOISTS, TRACK, CHANNELS, AND FURRING CHANNELS: PER SSMA PRODUCT TECHNICAL INFORMATION, INDICATING MEMBER DEPTH, STYLE, FLANGE WIDTH, AND MATERIAL THICKNESS.
      3. FRAMING MEMBERS
         a. ASTM A653 GRADE 33, Fy = 33 KSI, UNLESS NOTED OTHERWISE.
         b. ASTM A653 GRADE 50, Fy = 50 KSI, FOR MATERIAL THICKNESS 54 MILS OR GREATER.
      4. FINISH: HOT-DIP GALVANIZE TO PROVIDE COATING CLASS G90.
      5. MECHANICAL FASTENERS: CORROSION-RESISTANT-COATED, SELF-DRILLING, SELF-THREADING STEEL DRILL SCREWS WITH LOW PROFILE HEADS BENEATH SHEATHING AND MANUFACTURER'S STANDARD HEADS ELSEWHERE.
      6. BOLTS: ASTM A307 OR ASTM F3125.
      7. WELDING: IN ACCORDANCE WITH AWS D1.1 OR D1.3, AS APPLICABLE.
      8. LOW-VELOCITY POWDER-ACTUATED FASTENERS
         A. HARDENED CARBON STEEL KNURLED STRAIGHT SHANK TYPE, UNLESS NOTED OTHERWISE.
         B. PROVIDE ANCHORS THAT HAVE BEEN TESTED AND ASSESSED IN ACCORDANCE WITH LATEST EDITION OF APPLICABLE ACCEPTANCE CRITERIA AND SUBMIT CORRESPONDING ICC EVALUATION SERVICE REPORTS
            a. FASTENERS IN STEEL: ICC-ES AC70.

6. MATERIALS (CONTINUED):
   E. METAL BUILDING SYSTEMS: SPECIFICATIONS SECTION 13 34 19
      1. DESIGN, FABRICATE, AND ERECT METAL BUILDING SYSTEMS IN ACCORDANCE WITH MBMA METAL BUILDING SYSTEMS MANUAL AS MODIFIED BY CONTRACT DOCUMENTS.
      2. METAL BUILDING SYSTEM MUST BE INSTALLED BY A QUALIFIED ERECTOR WHO IS ACCEPTABLE TO THE MANUFACTURER.
      3. METAL BUILDING SYSTEM SHALL BE PROVIDED AS DELEGATE-ENGINEERED SYSTEM IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
      4. SUBMIT SHOP DRAWINGS AND STRUCTURAL DESIGN ANALYSIS OF METAL BUILDING SYSTEM PREPARED AND SEALED BY QUALIFIED PROFESSIONAL ENGINEER. INCLUDE:
         a. DEVELOPMENT OF LOADS, DESCRIPTION OF INDIVIDUAL AND COMBINED LOAD CASES, DESCRIPTION OF MATERIALS, COMPARISON OF PERMITTED STRESSES VERSUS COMPUTED STRESSES, CALCULATION OF DEFLECTIONS, AND ANCHOR ROD LAYOUT.
         b. DESIGN COLUMN BASES TO TRANSMIT ONLY VERTICAL AND HORIZONTAL FORCES (NO MOMENTS) TO FOUNDATIONS. SUBMIT SERVICE-LEVEL REACTIONS AT EACH COLUMN BASE IN ALL THREE PRINCIPAL DIRECTIONS FOR EACH INDIVIDUAL (NOT COMBINED) LOAD CASE, SUCH AS DEAD, COLLATERAL, FLOOR LIVE, ROOF LIVE, WIND, EARTHQUAKE, ETC.
         c. DO NOT CONSTRUCT FOUNDATIONS OR FABRICATE FOUNDATION REINFORCING STEEL UNTIL METAL BUILDING SYSTEM SHOP DRAWINGS AND DESIGN ANALYSIS ARE APPROVED. WHERE SUBMITTED REACTIONS EXCEED ASSUMED REACTIONS AS INDICATED ON DRAWING S-501, REDESIGN FOUNDATIONS ACCORDINGLY AT NO ADDITIONAL COST TO GOVERNMENT AND WITH NO INCREASE IN CONTRACT TIME. SUBMIT FOUNDATION DRAWINGS AND DESIGN ANALYSIS PREPARED AND SEALED BY QUALIFIED PROFESSIONAL ENGINEER.
      5. METAL BUILDING SYSTEM MANUFACTURER SHALL DESIGN THE BUILDING STRUCTURE FOR THE LOADS SHOWN IN THE "DESIGN LOADS" NOTES IN ACCORDANCE WITH THE "DESIGN STANDARDS" LISTED. ALL LOADS SHOULD BE CONSIDERED MINIMUMS AND ARE SUBJECT TO VERIFICATION AND COORDINATION BY THE METAL BUILDING SYSTEM MANUFACTURER AND THE CONTRACTOR. IF ACTUAL LOADS OF THE ITEMS ARE HIGHER THAN THOSE SHOWN IN "DESIGN LOADS" NOTES, THE HIGHER LOADS SHALL BE USED.
      6. UTILIZE PORTAL FRAMES AS LATERAL FORCE-RESISTING SYSTEM, UNLESS NOTED OTHERWISE.
      7. THE BUILDING SHOULD BE DESIGNED TO SUPPORT ALL MECHANICAL EQUIPMENT INCLUDING HEATERS, SPRINKLERS, EXHAUST SYSTEMS AND ALL OTHER SUCH DEVICES. ADDITIONAL GIRTS OR PURLINS SHALL BE PLACED IN CONVENIENT LOCATIONS FOR ATTACHMENT OF EQUIPMENT.
      8. COMPUTE AND APPLY WIND PRESSURES AS SPECIFIED IN "DESIGN LOADS".
      9. PROVIDE ANCHOR RODS OF SIZE, QUANTITY, AND LAYOUT REQUIRED BY METAL BUILDING SYSTEM MANUFACTURER. OBTAIN PRIOR APPROVAL OF CONTRACTING OFFICER'S REPRESENTATIVE IF THESE ADJUSTMENTS REQUIRE CHANGING ANY STRUCTURAL OR ARCHITECTURAL DIMENSIONS OR DETAILS.
      10. PROVIDE PRETENSIONED BOLTS FOR PRIMARY FRAMING CONNECTIONS.
      11. PROVIDE ADDITIONAL FRAMING AROUND WALL AND ROOF OPENINGS, AND WHERE REQUIRED TO SUPPORT AND BRACE SUSPENDED ITEMS SUCH AS OVERHEAD DOORS, DUCTWORK, PIPING, LIGHTING, EQUIPMENT, ETC.
      12. PROVIDE 1 1/2" NONSHRINK GROUT LAYER BETWEEN COLUMN BASE PLATE AND CONCRETE BEARING SURFACE.
      13. DEFLECTION AND DRIFT LIMITS
         a. PURLINS AND RAFTERS: VERTICAL DEFLECTION OF 1/240 OF SPAN UNDER SERVICE-LEVEL GRAVITY LOADS
         b. GIRTS: HORIZONTAL DEFLECTION OF 1/240 OF SPAN UNDER 0.42W AS CALCULATED FOR COMPONENTS AND CLADDING.
         c. FRAMES: 1/480 OF THE HEIGHT FOR 10-YEAR MRI WIND SPEED.
      14. FULL HEIGHT MASONRY WALL OUT OF PLANE LOAD TO MBS = 300 POUNDS PER LINEAR FOOT.

7. IN ACCORDANCE WITH IBC SECTION 107.3.4.1, THE FOLLOWING DESIGNS ARE CONSIDERED DEFERRED SUBMITTALS, CONTRACTOR SHALL SUBMIT THEM TO THE ENGINEER FOR REVIEW. SUBMITTAL SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER
   A. METAL BUILDING SYSTEMS
   B. COLD-FORM STEEL FRAMING
   C. NON-STRUCTURAL COMPONENTS INCLUDING SUPPORTS AND ATTACHMENTS

GEORGIA REGISTERED No. 36XXXXX STRUCTURAL ENGINEER PETER J. GROSSKAMP

2026.01.21 12:12:34-05'00'

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

DESIGN BY: K. EDWARDS	ISSUE DATE: JANUARY 2026
DRAWN BY: B. DOWNEY	SOLICITATION NO.: W912HN-26-B-A003
CHECKED BY: P. GROSSKAMP	CONTRACT NO.:
SUBMITTED BY: P. GROSSKAMP	CATEGORY CODE: 141-001-001
SIZE: ANSI D	FILE NAME: 189618_S_Central

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SOF MILITARY WORKING DOG KENNEL
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GENERAL NOTES - SHEET 2

SHEET ID
S-002

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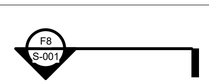
ABBREVIATIONS

#	POUNDS OR NUMBER
%	PERCENT
&	AND
@	AT
AA	ALUMINUM ASSOCIATION
AB	ANCHOR BOLT
ABT	ABOUT
ACI	AMERICAN CONCRETE INSTITUTE
ADH	ADHESIVE
AGGR	AGGREGATE
AHR	ANCHOR
AISI	AMERICAN IRON AND STEEL INSTITUTE
AL	ALUMINUM
ALTN	ALTERNATE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APPROX	APPROXIMATE
ARCH	ARCHITECT
ASTM	AMERICAN SOCIETY FOR TESTING OF MATERIALS
AWS	AMERICAN WELDING SOCIETY
B/P	BASE OF PIER
BC	BOLT CIRCLE
BETW	BETWEEN
BLDG	BUILDING
BM	BEAM
BO	BOTTOM OF
BOS	BOTTOM OF STEEL
BOT	BOTTOM
BRG	BEARING
BRKT	BRACKET
C/C	CENTER TO CENTER
CAP	CAPACITY
CF	CUBIC FEET
CHKR	CHECKER
CIR	CIRCLE
CJ	CONSTRUCTION JOINT
CL	CENTER LINE
CLJ	CONTROL JOINT
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CO	CONCRETE OPENING
COL	COLUMN
COMP	COMPRESSION
CONC	CONCRETE
CONN	CONNECTION
CONT	CONTINUOUS
CONTR	CONTRACT
COORD	COORDINATE
COR	CORNER
COTR	CONTRACTING OFFICER
CRSI	CONCRETE REINFORCING STEEL INSTITUTE
CTR	CENTER
CTRD	CENTERED
CY	CUBIC YARD
DBL	DOUBLE
DET	DETAIL
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DK	DECKING
DL	DEAD LOAD
DN	DOWN
DWG	DRAWING
DWL	DOWEL
E	EAST
EA	EACH
ED	EQUIPMENT DRAIN
EF	EACH FACE
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EMBED	EMBEDMENT
EQ	EQUAL
EQ SP	EQUALLY SPACED
EQUIP	EQUIPMENT
EQUIV	EQUIVALENT
EW	EACH WAY
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
FAB	FABRICATE
FD	FLOOR DRAIN
FDN	FOUNDATION
FF	FAR FACE
FL	FLOOR
FLG	FLANGE
FNSH	FINISH
FS	FAR SIDE
FT	FEET
FUT	FUTURE
GA	GAGE
GALV	GALVANIZE
GB	GRADE BEAM
GHSE	GREENHOUSE
GND	GROUND
GR	GRADE
GRTG	GRATING
H	SLAB THICKNESS
HDHSE	HEADHOUSE
HEF	HORIZONTAL EACH FACE
HEX	HEXAGON
HG	HIGH
HH	HEADHOUSE
HK	HOOK
HORIZ	HORIZONTAL
HPT	HIGH POINT
HR	HAND RAIL
HS	HIGH STRENGTH
IBC	INTERNATIONAL BUILDING CODE
ID	INSIDE DIAMETER
IF	INSIDE FACE
IJ	ISOLATION JOINT
IN	INCHES
INTR	INTERIOR
INVT	INVERT
IR	INSIDE RADIUS
JT	JOINT
KB	KNEE BRACE
KPL	KICK PLATE
KSI	KIPS PER SQUARE INCH
L	ANGLE
LAD	LADDER
LB	POUND
LD	DEVELOPMENT LENGTH
LG	LONG
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLO	LONG LEG OUTSTANDING
LLV	LONG LEG VERTICAL
LNTL	LINTEL
LONG	LONGITUDINAL
LPT	LOW POINT
LS	LAP SPLICE
LVL	LEVEL
MAX	MAXIMUM
MBS	METAL BUILDING SYSTEM
MC	MOMENT CONNECTION
MECH	MECHANICAL
MEZZ	MEZZANINE
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MK	MARK
MO	MASONRY OPENING
N	NORTH
NA	NOT APPLICABLE
NE	NORTHEAST
NF	NEAR FACE
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NS	NEAR SIDE
NTS	NOT TO SCALE
NW	NORTHWEST
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OPNG	OPENING
OPP	OPPOSITE
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
OZ	OUNCE
PAF	POWDER ACTUATED FASTENER
PCF	POUNDS PER CUBIC FOOT
PED	PEDESTAL
PEJ	PREFORMED EXPANSION JOINT
PEMB	PRE-ENGINEERED METAL BUILDING
PEN	PENETRATE
PERIM	PERIMETER
PERP	PERPENDICULAR
PJNT	PROJECTION
PL	PLATE
PLC	PLACES
PREFAB	PREFABRICATED
PS	PIPE SUPPORT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PRETENSIONED
PVC	POLYVINYL CHLORIDE
R	RISER
RAD	RADIUS
RD	ROOF DRAIN
REF	REFERENCE
REINF	REINFORCE
REQD	REQUIRED
REV	REVISION
RM	ROOM
S	SOUTH
SB	SHEAR BAR
SC	SLIP-CRITICAL
SCHED	SCHEDULE
SE	SOUTHEAST
SECT	SECTION
SF	SWAY FRAME
SH	SHEET
SIM	SIMILAR
SLO	SHORT LEG OUTSTANDING
SLP	SLOPE
SLV	SLEEVE
SP	SPACE
SPEC	SPECIFICATION
SQ	SQUARE
SST	STAINLESS STEEL
ST	SNUG-TIGHTENED
STD	STANDARD
STIF	STIFFENER
STIR	STIRRUP
STL	STEEL
STR	STRAIGHT
STRL	STRUCTURAL
STRUC	STRUCTURAL
SW	SOUTHWEST
SYMM	SYMMETRICAL
T	TON
T&B	TOP AND BOTTOM
T/	TOP OF
T/C OR TOC	TOP OF CONCRETE
T/P	TOP OF PIER
T/STL OR TOS	TOP OF STEEL
TEMP	TEMPORARY
THD	THREAD
THK	THICK
THRU	THROUGH
TOB	TOP OF BOLT
TOG	TOP OF GRATING
TOS OR T/S	TOP OF STEEL
TRD	TREAD
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VAR	VARIES
VEF	VERTICAL EACH FACE
VERT	VERTICAL
W	WEST
W/	WITH
W/O	WITHOUT
WD	WIDE
WDT	WIDTH
WP	WORK POINT
WS	WATERSTOP
WT	WEIGHT
WWF	WELDED WIRE FABRIC

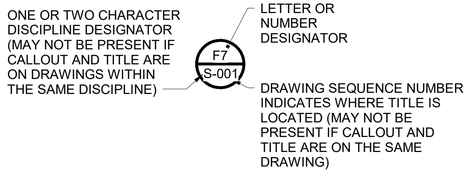
SECTION, DETAIL, AND ELEVATION IDENTIFICATION SYSTEM



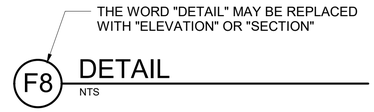
SECTION CALLOUT EXAMPLE

DETAIL CALLOUT EXAMPLE

ELEVATION CALLOUT EXAMPLE



SECTION, DETAIL, AND ELEVATION SYMBOL IDENTIFIERS



SECTION, DETAIL, OR ELEVATION TITLE EXAMPLE

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US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

DESIGN BY:	ISSUE DATE:
K. EDWARDS	JANUARY, 2026
DRAWN BY:	SOLICITATION NO.:
B. DOWNEY	W912HN-26-B-A003
CHECKED BY:	CONTRACT NO.:
P. GROSSKAMP	
SUBMITTED BY:	CATEGORY CODE:
P. GROSSKAMP	141-001-001
SIZE:	FILE NAME:
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LEGEND & ABBREVIATIONS

SHEET ID
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STRUCTURAL REQUIREMENTS FOR SUPPORTS, BRACING, AND ATTACHMENTS OF ARCHITECTURAL COMPONENTS, EQUIPMENT AND NON-STRUCTURAL COMPONENTS

DESIGN CRITERIA:

1. CONTRACTOR IS RESPONSIBLE FOR THE DESIGN, DETAILS, AND INSTALLATION OF ALL ARCHITECTURAL COMPONENTS AND EQUIPMENT SUPPORTS, BRACING AND ATTACHMENTS.
2. FURNISH ALL MISCELLANEOUS FABRICATIONS, CONCRETE PADS, AND HARDWARE NECESSARY TO ATTACH ARCHITECTURAL COMPONENTS AND EQUIPMENT TO STRUCTURE.
3. INSTALL ARCHITECTURAL COMPONENTS AND EQUIPMENT SUPPORTS AND ATTACHMENTS ACCORDING TO MANUFACTURER REQUIREMENTS. IN THE ABSENCE OF MANUFACTURER REQUIREMENTS, ENGAGE A REGISTERED PROFESSIONAL ENGINEER TO DESIGN AND DETAIL EQUIPMENT SUPPORTS AND ATTACHMENTS.
4. SUBMIT THE FOLLOWING INFORMATION TO THE CONTRACTING OFFICER'S REPRESENTATIVE FOR APPROVAL AT LEAST TWO WEEKS PRIOR TO INSTALLATION:
   - DESIGN CALCULATIONS OR MANUFACTURER'S ENGINEERING DATA SEALED BY A CIVIL OR STRUCTURAL ENGINEER REGISTERED IN THE STATE OF GEORGIA INDICATING COMPLIANCE WITH THESE REQUIREMENTS.
   - SHOP DRAWINGS SHOWING COMPLETE ASSEMBLY FOR ALL ARCHITECTURAL COMPONENTS AND EQUIPMENT SUPPORTS AND ATTACHMENTS.
   - MANUFACTURER'S INSTALLATION REQUIREMENTS.
   - ICC-ES APPROVAL REPORTS WHERE APPLICABLE.
5. UTILIZE ISOLATION DEVICES TO PREVENT EQUIPMENT FROM IMPACTING SURROUNDING CONSTRUCTION DURING EARTHQUAKE MOVEMENT IN COMPLIANCE WITH ASCE 7 SECTION 13.6.5.
6. SUPPORT DISTRIBUTION SYSTEMS INDEPENDENTLY OF EQUIPMENT FITTED WITH A FLEXIBLE CONNECTION WHERE ATTACHED TO EQUIPMENT.
7. FIT UTILITY AND SERVICE LINES ENTERING BUILDING WITH SLEEVES THAT PERMIT BUILDING SETTLEMENT WITHOUT ENGAGEMENT OF INCOMING LINES.
8. DESIGN BRACING AND ANCHORAGE OF ARCHITECTURAL COMPONENTS, EQUIPMENT, AND NON-STRUCTURAL COMPONENTS FOR WIND, SEISMIC, AND ANTI- TERRORISM LOADS IN ACCORDANCE WITH ASCE 7, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES AND UFC 4-010-01 DOD MINIMUM ANTITERRORISM STANDARDS FOR BUILDINGS.
9. UTILIZE ATFP BRACING FOR SUSPENDED EQUIPMENT AND OVERHEAD MOUNTED NON-STRUCTURAL COMPONENTS WEIGHING MORE THAN 31 LBS. THIS DOES NOT APPLY TO DISTRIBUTION SYSTEMS THAT COLLECTIVELY EXCEED THIS LOAD.
10. DESIGN AT/FP BRACING TO RESIST THE FOLLOWING:
    - 50% OF COMPONENT WEIGHT IN ANY HORIZONTAL DIRECTION.
    - 150% OF COMPONENT WEIGHT IN THE DOWNWARD DIRECTION.
    - SEISMIC LOADS IN ACCORDANCE WITH SECTION 13.3 OF ASCE 7.

ARCHITECTURAL COMPONENTS:

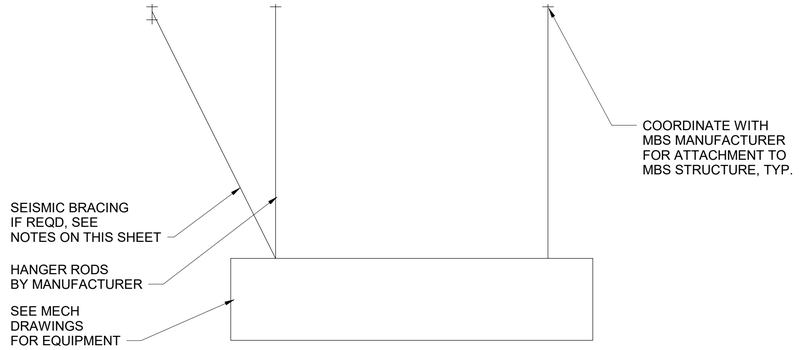
11. EXTERIOR CLADDING AND BACK-UP WALLS: PROVDE FASTENERS AND SEISMIC MOVEMENT JOINTS IN ACCORDANCE WITH ASCE 7 SECTION 13.5.3.
12. GLAZED CURTAIN WALLS, PARTITIONS, AND STOREFRONT WINDOWS: PROVIDE SEISMIC MOVEMENT JOINTS IN ACCORDANCE WITH ASCE 7 SECTION 13.5.9.
13. SUSPENDED CEILINGS: PROVIDE SUSPENDED CEILING FRAMES, RESTRAINTS, MOVEMENT JOINTS, AND SEPARATION FROM OTHER MEP SYSTEMS IN ACCORDANCE WITH ASCE 7 SECTION 13.5.6.
14. NON-STRUCTURAL PARTITION WALLS: PROVIDE SEISMIC BRACING IN ACCORDANCE WITH ASCE 7 SECTION 13.5.8.1.

MECHANICAL COMPONENTS:

15. HVAC DUCTWORK: PROVIDE SEISMIC BRACING IN ACCORDANCE WITH SMACNA FOR SEISMIC HAZARD LEVEL C.
16. PIPING SYSTEMS: PROVIDE BRACING IN ACCORDANCE WITH ASME B31 FOR ALL PIPING GREATER THAN 1" IN DIAMETER.
17. FIRE SPRINKLER PIPING: PROVIDE SEISMIC BRACING IN ACCORDANCE WITH NFPA 13.

ELECTRICAL COMPONENTS:

18. RESTRAIN BATTERY RACKS: BATTERIES ON RACKS IN ACCORDANCE WITH ASCE 7 SECTION 13.6.4.
19. DRY-TYPE TRANSFORMER COILS: CONFORM WITH ASCE 7 SECTION 13.6.4.
20. ELECTRICAL CONTROL AND COMPUTING SYSTEMS: PROVIDE A LATCHING MECHANISM ON SLIDE-OUT COMPONENTS TO HOLD COMPONENTS IN PLACE.
21. ELECTRICAL CABINETS: DESIGN MUST COMPLY WITH APPLICABLE NFPA REQUIREMENTS. CUTOUTS IN THE CABINET NOT MADE BY THE MANUFACTURER MUST BE EVALUATED AND APPROVED BY THE MANUFACTURER.
22. CONDUIT: PROVIDE SEISMIC BRACING IN ACCORDANCE WITH ASCE 7 SECTION 13.3 AND 13.4 FOR CONDUITS EXCEEDING 2.5 INCHES IN DIAMETER.
23. CABLE TRAYS & BUS DUCTS: PROVIDE SEISMIC BRACING IN ACCORDANCE WITH ASCE 7 SECTIONS 13.3 AND 13.4 FOR CABLE TRAY AND DUCT SYSTEMS WEIGHING MORE THAN 10 LBS PER LINEAR FOOT, INCLUSIVE OF SUPPORTED ITEMS.
24. EXTERNAL EQUIPMENT: ITEMS EXTERNAL TO THE BUILDING AND WEIGHING MORE THAN 100 LBS SHALL BE BRACED AND ANCHORED IN ACCORDANCE WITH ASCE 7 SECTIONS 13.3 AND 13.4



C3 TYPICAL UNDERHUNG MECH EQUIPMENT/UTILITIES
NTS

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

DESIGN BY:	K. EDWARDS
DRAWN BY:	B. DOWNEY
CHECKED BY:	P. GROSSKAMP
SUBMITTED BY:	P. GROSSKAMP
SIZE:	ANSI D
FILE NAME:	189618 S_Central
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SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

SEISMIC BRACING NOTES AND DETAILS

SHEET ID
S-004

GEORGIA REGISTERED No. 56055E STRUCTURAL ENGINEER PETER J. GROSSKAMP

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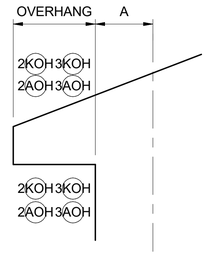
CANOPY DESIGN WIND PRESSURES (PSF)

WIND ZONE	LENGTH (FT)	WIDTH (FT)	TOTAL AREA (FT²)	MAX	MIN
C	13.5	7.0	94.5	23	-27

DESIGN WIND PRESSURES (PSF)

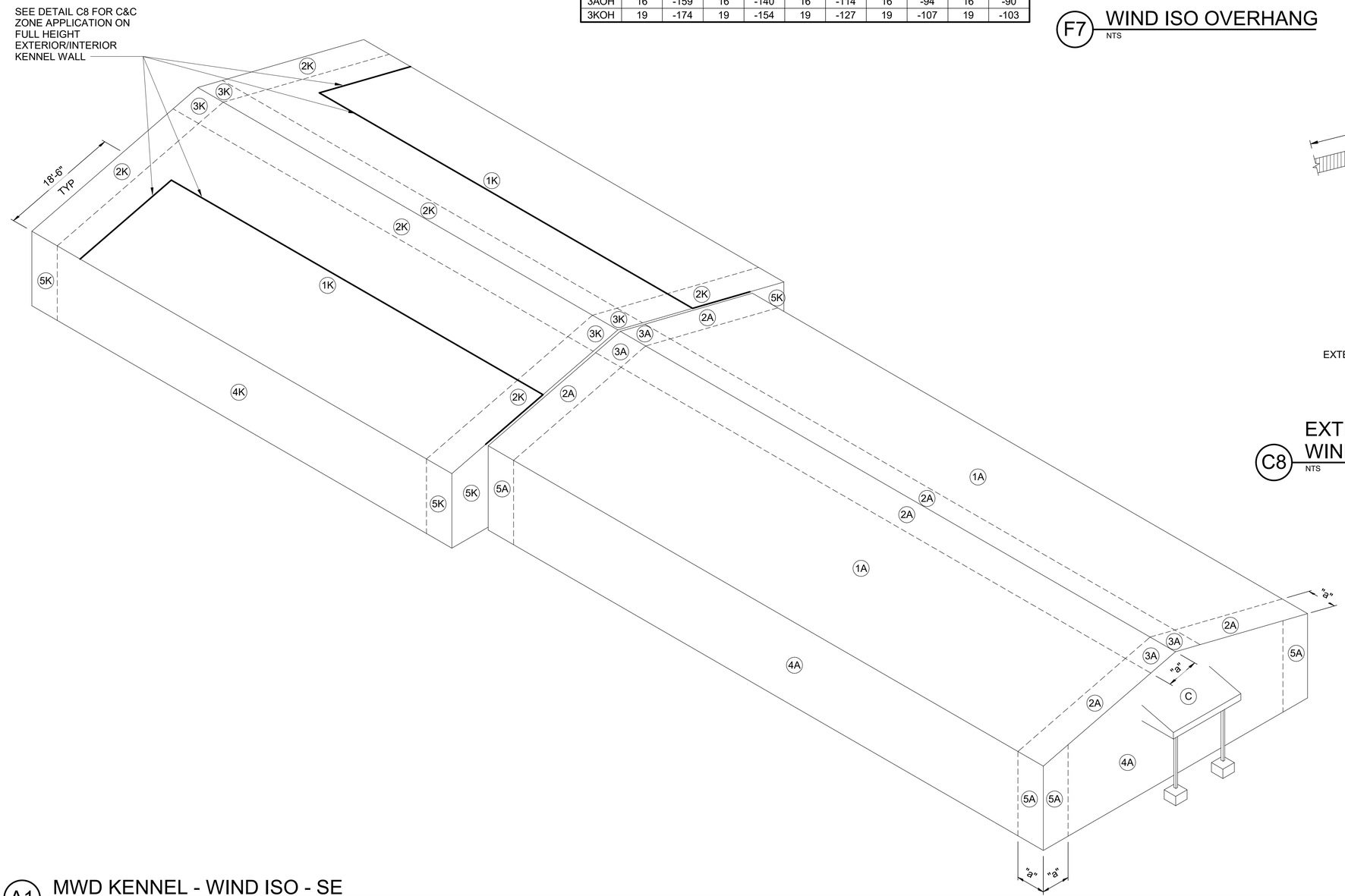
WIND ZONE	10 FT²		20 FT²		50 FT²		100FT²		500 FT²	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1K	39	-86	37	-76	34	-62	31	-52	29	-36
2K	39	-110	37	-97	34	-79	31	-66	29	-53
3K	39	-140	37	-122	34	-98	31	-80	29	-80
4K	53	-56	51	-54	48	-52	47	-50	43	-46
5K	53	-66	51	-62	48	-58	47	-54	43	-46
1A	26	-73	24	-63	21	-49	19	-39	16	-23
2A	26	-96	24	-83	21	-66	19	-53	16	-40
3A	26	-126	24	-108	21	-84	19	-66	16	-66
4A	40	-43	38	-41	36	-39	34	-37	30	-33
5A	40	-53	38	-50	36	-45	34	-41	30	-33
2AOH	16	-130	16	-115	16	-95	16	-80	16	-63
2KOH	19	-143	19	-128	19	-109	19	-94	19	-76
3AOH	16	-159	16	-140	16	-114	16	-94	16	-90
3KOH	19	-174	19	-154	19	-127	19	-107	19	-103



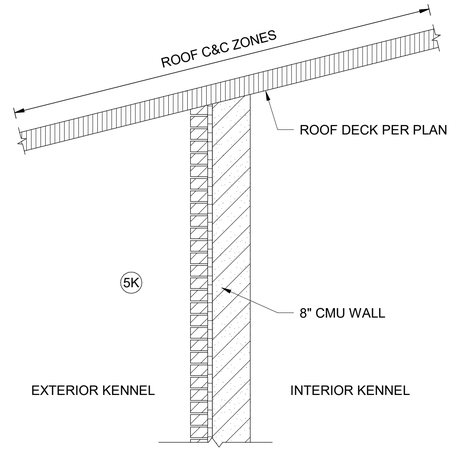
F7 WIND ISO OVERHANG
NTS

GENERAL SHEET NOTE

1. REFER TO GENERAL NOTES FOR WIND LOAD DESIGN CRITERIA.
2. WIND PRESSURES ARE AT ULTIMATE LEVEL AND APPLIED NORMAL TO MEMBER SURFACE.
3. PLUS AND MINUS (+/-) SIGNS SIGNIFY PRESSURES ACTING TOWARD AND AWAY FROM SURFACE RESPECTIVELY.
4. DESIGN EACH COMPONENT FOR MAXIMUM POSITIVE AND NEGATIVE PRESSURES.
5. APPLY OVERHANG LOAD TO EITHER SIDE BUT NOT SIMULTANEOUSLY ON BOTH SIDES.
6. KENNEL/ADMIN: "a" = 6.375'



A1 MWD KENNEL - WIND ISO - SE
NTS



C8 EXTERNAL/INTERNAL KENNEL WALL WIND DETAIL
NTS

US Army Corps of Engineers ®

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

MARK	DESCRIPTION	DATE

DESIGN BY: K. EDWARDS
DRAWN BY: B. DOWNEY
CHECKED BY: P. GROSSKAMP
SUBMITTED BY: P. GROSSKAMP
SIZE: ANSI D
FILE NAME: 189618 S Central
ISSUE DATE: JANUARY 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-001

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

MWD KENNEL - WIND ISO

SHEET ID
S-005

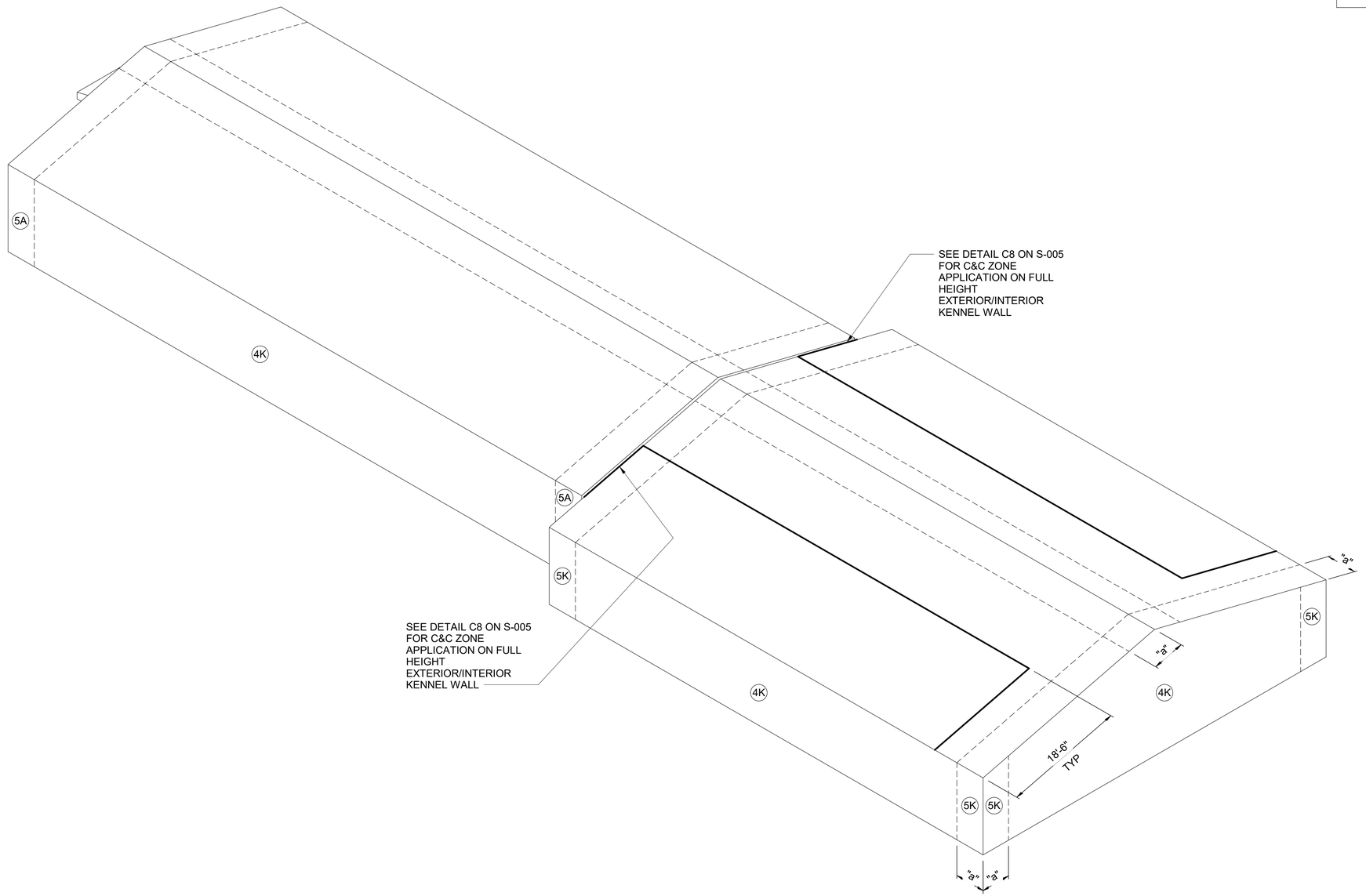
READY TO ADVERTISE (RTA)

GEORGIA REGISTERED No. 36000268 STRUCTURAL ENGINEER PETER J. GROSSKAMP

2026.01.21 12:14:07-05'00'

GENERAL SHEET NOTE

1. FOR WIND LOAD TABLE, SEE DRAWING S-005.
2. FOR ROOF ZONES, SEE DRAWING S-005.



A1 MWD KENNEL - WIND ISO - NW
NTS

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-001
FILE NAME: 189618 S Central

DESIGN BY: K. EDWARDS
DRAWN BY: B. DOWNEY
CHECKED BY: P. GROSSKAMP
SUBMITTED BY: P. GROSSKAMP
SIZE: ANSI D

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

MWD KENNEL - WIND ISO

SHEET ID
S-006

GEORGIA REGISTERED No. 56000286 STRUCTURAL ENGINEER PETER J. GROSSKAMP

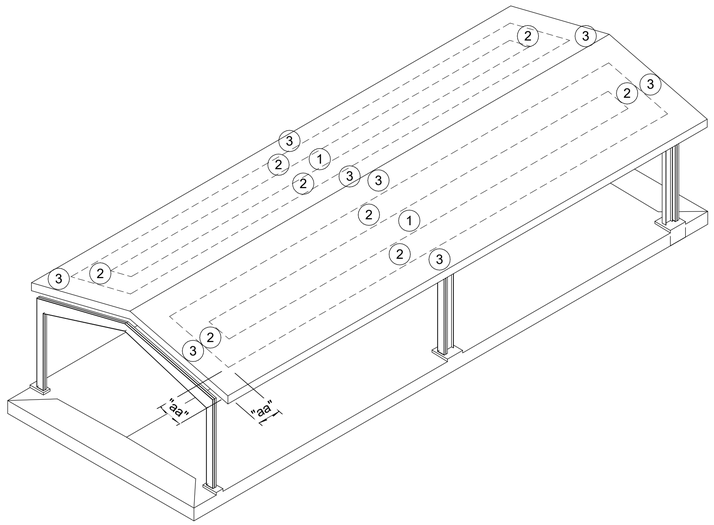
2026.01.21 12:15:11-05'00'

READY TO ADVERTISE (RTA)

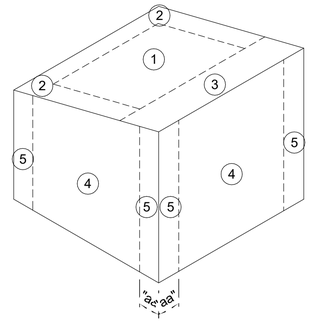
C:\Users\pjgrosskamp.BMCD\OneDrive - Burns & McDonnell\Documents\143139_S_Central_pjgrosskamp@burnsmcd.com.rvt
1/21/2026 11:24:15 AM

GENERAL SHEET NOTE

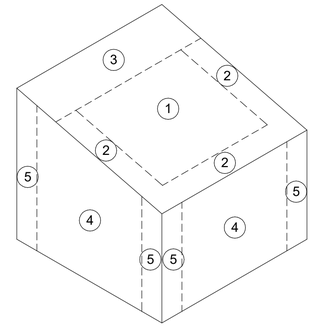
1. SEE S-005 FOR GENERAL WIND NOTES.
2. BREAK AREA/STORAGE: "aa" = 3'-0"



D1 BREAK AREA - WIND ISO - SE
NTS



D5 STORAGE - WIND ISO - SE
NTS



D8 STORAGE - WIND ISO - NW
NTS

DESIGN WIND PRESSURES (PSF)

WIND ZONE	10FT²		20FT²		50FT²		100FT²		500FT²	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	16	-40	16	-40	16	-40	16	-40	16	-40
2	23	-60	23	-60	16	-40	16	-40	16	-40
3	23	-60	23	-60	16	-40	16	-40	16	-40

DESIGN WIND PRESSURES (PSF)

WIND ZONE	10FT²		20FT²		50FT²		100FT²		500FT²	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	20	-50	19	-48	17	-45	16	-43	16	-43
2	20	-60	19	-56	17	-50	16	-46	16	-46
3	20	-103	19	-94	17	-82	16	-73	16	-73
4	40	-43	38	-41	36	-39	34	-37	30	-33
5	40	-53	38	-49	36	-45	34	-41	30	-33

aa = 3 FT.

* APPLICABLE FOR PURLINS AND ARCHITECTURAL COMPONENTS BASED ON ENCLOSED BUILDING FOR TRIBUTARY AREA OF 10 SF OR LESS. ADJUST ACCORDINGLY FOR OTHER TRIBUTARY AREAS.

GEORGIA REGISTERED No. 56CROSSE STRUCTURAL ENGINEER PETER J. GROSSKAMP
2026.01.21 12:15:49-05'00'

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-001
FILE NAME: 189618_S_Central

DESIGN BY: K. EDWARDS
DRAWN BY: B. DOWNEY
CHECKED BY: P. GROSSKAMP
SUBMITTED BY: P. GROSSKAMP
SIZE: ANSI D

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OLIVER STREET, 1ST AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY'25, PN 69262

MWD BREAK AREA & STORAGE BUILDING WIND ISO

SHEET ID
S-007

READY TO ADVERTISE (RTA)

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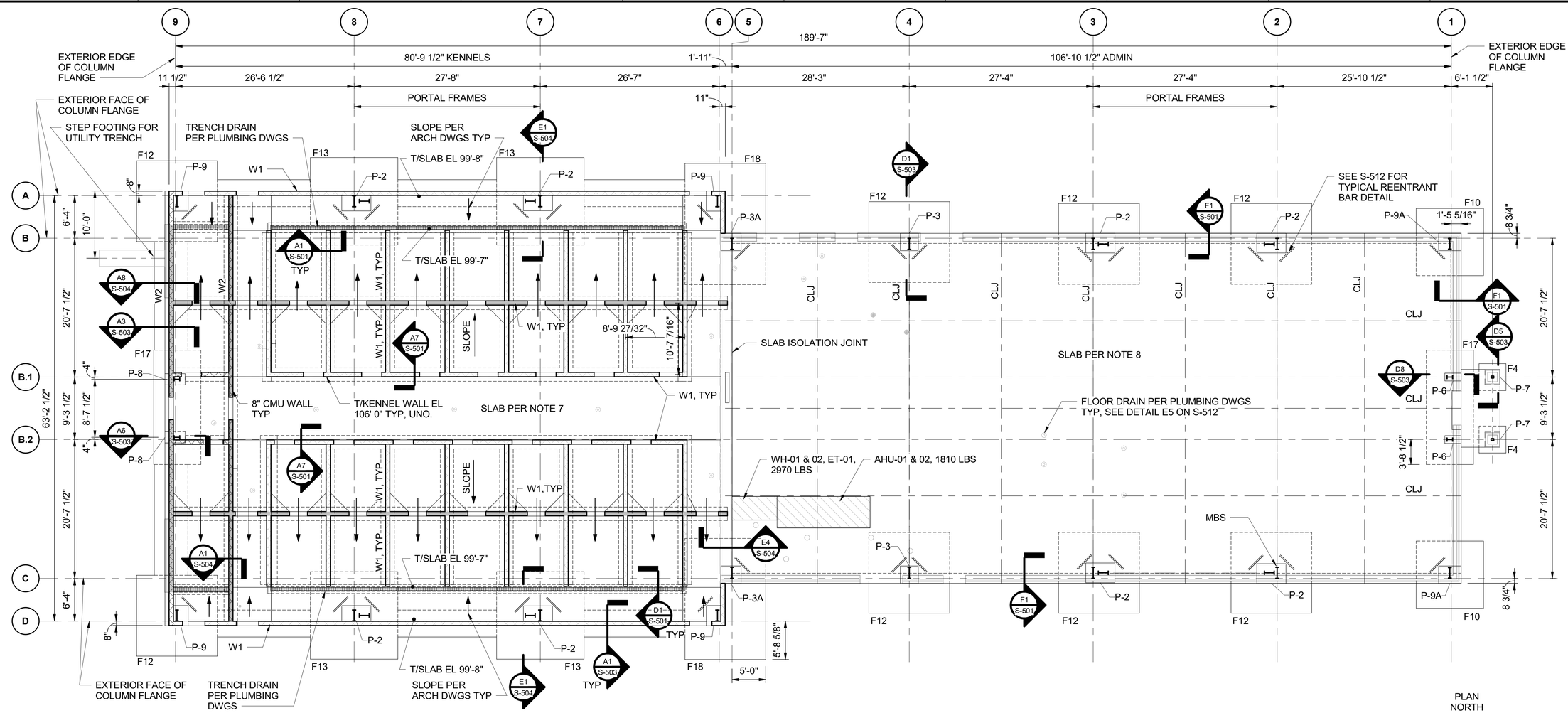
1/21/2026 11:24:16 AM



C1 MWD KENNEL - FOUNDATION AND SLAB PLAN

1/8" = 1'-0"

GENERAL SHEET NOTE

1. FOR GENERAL STRUCTURAL NOTES, SYMBOLS, AND ABBREVIATIONS, SEE DRAWINGS S-001, S-002, AND S-003.
2. SEE DRAWINGS S-511 AND S-512 FOR STANDARD CONCRETE DETAILS.
3. SEE DRAWING S-513 FOR STANDARD MASONRY DETAILS
4. CENTER FOOTINGS UNDER PEDESTALS UNLESS NOTED OTHERWISE.
5. ADMIN AND KENNELS ARE STRUCTURALLY INDEPENDENT METAL BUILDING SYSTEMS
6. SEE FOOTING SCHEDULE ON S-501 FOR FOOTING INFORMATION.
7. KENNELS: 5" THICK SLAB ON GRADE WITH #5@8" OC EW, MID-DEPTH OF SLAB ON 15 MIL VAPOR BARRIER AND 4" CAPILLARY WATER BARRIER WITH NO SLAB CONTROL JOINTS.
8. ADMIN: 5" THICK SLAB ON GRADE WITH #5@16" OC EW, 1 1/2" FROM TOP OF SLAB ON 15 MIL VAPOR BARRIER AND 4" CAPILLARY WATER BARRIER.
9. CONTROL JOINT MAX SPACING (ADMIN ONLY): 14'-0"
10. P-X DENOTES CONCRETE PEDESTAL PER DETAILS ON S-502. T/PEDESTAL: EL 100'-0", TYP.
11. WX DENOTES MASONRY WALL TYPE. SEE S-513.
12. TOP OF SLAB ELEVATION = 100'-0" UNLESS NOTED OTHERWISE.
13. PROVIDE MINIMUM 1" CLEARANCE BETWEEN EXTERIOR FACE OF MBS COLUMN AND CMU WALL
14. SEE ARCHITECTURE FOR BUILDING ISOLATION JOINT SIZE AND LOCATION
15. COLUMN LOADS ARE PRELIMINARY AND MUST BE CONFIRMED WITH MBS DESIGNS. NEGATIVE VERTICAL LOADS IN TABLE ARE UPLIFT.

LEGEND

- INDICATES EXTENTS OF INTERIOR HOUSEKEEPING PAD EP-1, GENERAL CONTRACTOR COORDINATE WITH ACTUAL EQUIPMENT PROVIDED
- INDICATES FULL HEIGHT 8" MASONRY WALL
- INDICATES TOP OF MASONRY WALL EL 106'-0" UNO.

MWD KENNEL ASD COLUMN LOADING

COLUMN LOCATION	LOAD COMBINATION 1			LOAD COMBINATION 2			NOTES
	Hx	Hz	VERTICAL	Hx	Hz	VERTICAL	
A-6	12.43		15.85	9.59		-12.04	
A-7	21.06		26.95	13.97		-18.58	
A-7		1.68	1.85		1.5	-1.14	PORTAL FRAME
A-8	21.06		26.95	13.97		-18.58	
A-8		1.61	1.79		1.58	-1.2	PORTAL FRAME
A-9	11.22		14.51	8.94		-11.53	
B.1-1	3.31		0.15	2.98		0.15	
B.1-9		5.14	0.18				
B.2-1	3.31		0.15	2.98		0.15	
B.2-9		5.14	0.18				
B-1	6.66		11.52	5.45		-7.11	
B-2	12.14		21.09	7.68		-10.18	
B-2		1.69	2.17		1.59	-1.43	PORTAL FRAME
B-3	12.48		21.6	7.49		-9.93	
B-3		1.67	2.15		1.6	-1.44	PORTAL FRAME
B-4	12.22		21.21	7.74		-10.27	
B-5	6.93		11.74	5.5		-6.82	
C-1	6.66		11.52	5.45		-7.11	
C-2	12.14		21.09	7.68		-10.18	
C-2		1.69	2.17		1.58	-1.43	PORTAL FRAME
C-3	12.48		21.6	7.49		-9.93	
C-3		1.68	2.15		1.6	-1.45	PORTAL FRAME
C-4	12.22		21.21	7.74		-10.27	
C-5	6.93		12.15	5.35		-7.33	

MWD KENNEL ASD COLUMN LOADING

COLUMN LOCATION	LOAD COMBINATION 1			LOAD COMBINATION 2			NOTES
	Hx	Hz	VERTICAL	Hx	Hz	VERTICAL	
D-6	12.43		15.85	9.59		-12.04	
D-7	21.06		26.95	13.97		-18.58	
D-7		1.66	1.83		1.71	-1.32	PORTAL FRAME
D-8	21.06		26.95	13.97		-18.58	
D-8		1.81	1.97		1.55	-1.18	PORTAL FRAME
D-9	11.22		14.51	8.94		-11.53	

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-01
FILE NAME: 186818 S_Central

DESIGN BY: K. EDWARDS
DRAWN BY: B. DOWNEY
CHECKED BY: P. GROSSKAMP
SUBMITTED BY: P. GROSSKAMP
SIZE: ANSI D

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

MWD KENNEL STRUCTURAL FOUNDATION AND SLAB PLAN

SHEET ID
S-101

READY TO ADVERTISE (RTA)

GEORGIA REGISTERED No. 36306026 STRUCTURAL ENGINEER PETER J. GROSSKAMP

2026.01.21 12:16:14-05'00'

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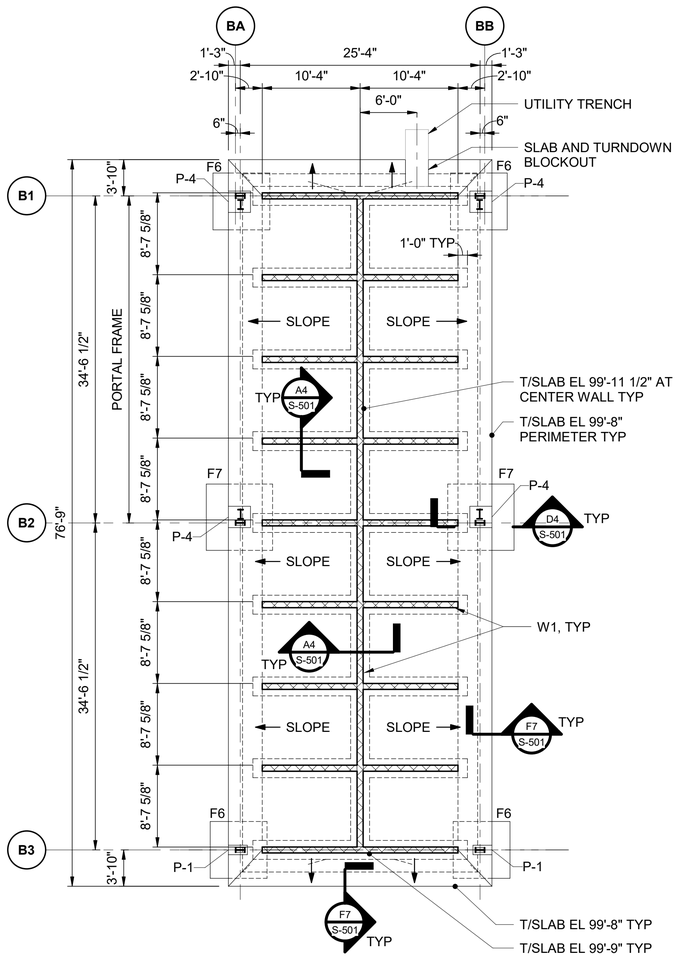
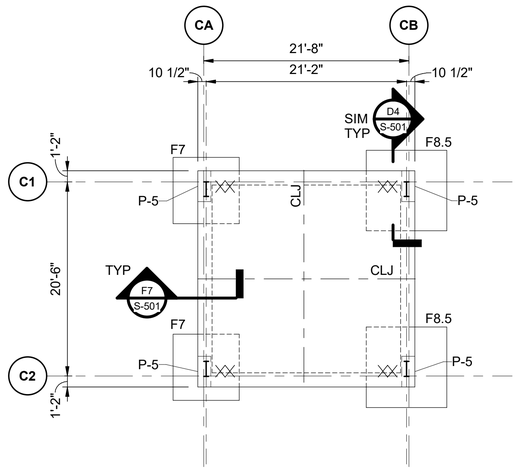


C1 BREAK AREA - FOUNDATION AND SLAB PLAN

1/8" = 1'-0"

PLAN NORTH

0 4' 8' 16'



C5 STORAGE - FOUNDATION AND SLAB PLAN

1/8" = 1'-0"

PLAN NORTH

0 4' 8' 16'

BREAK AREA ASD COLUMN LOADING

COLUMN LOCATION	LOAD COMBINATION 1			LOAD COMBINATION 2			LOAD COMBINATION 3			NOTES
	Hx	Hz	VERTICAL	Hx	Hz	VERTICAL	Hx	Hz	VERTICAL	
B1-BA		0.45	0.35		0.45	-0.35				PORTAL FRAME
B1-BB		0.45	0.35		0.45	-0.35				PORTAL FRAME
B2-BA	2.43		9.81	0.45		-3.56	3.38		-1.36	
B2-BA		0.45	0.35		0.45	-0.35				PORTAL FRAME
B2-BB	2.43		9.81	0.45		-3.56	3.38		-1.36	
B2-BB		0.45	0.35		0.45	-0.35				PORTAL FRAME
B3-BA	1.43		5.52	1.79		-0.71	0.27		-2.04	
B3-BA	1.34		5.52	1.79		-0.71	0.27		-2.04	
B3-BB	1.43		5.52	1.79		-0.71	0.27		-2.04	
B3-BB	1.34		5.52	1.79		-0.71	0.27		-2.04	

STORAGE ASD COLUMN LOADING

COLUMN LOCATION	LOAD COMBINATION 1			LOAD COMBINATION 2			LOAD COMBINATION 3			NOTES
	Hx	Hz	VERTICAL	Hx	Hz	VERTICAL	Hx	Hz	VERTICAL	
C1-CA	0.84		3.61	1.91		-2.97	2.1		-2.03	
C1-CB	0.56		3.78	2.31		-3.64	2.78		-2.58	
C2-CA	0.84		3.61	1.91		-2.97	2.1		-2.03	
C2-CB	0.56		3.78	2.31		-3.64	2.78		-2.58	

GENERAL SHEET NOTE

1. SEE S-101 FOR BUILDING NOTES.
2. BREAK AREA: 5" THICK SLAB ON GRADE WITH #5 @8" OC EW, MID-DEPTH OF SLAB ON 15 MIL VAPOR BARRIER AND 4" CAPILLARY WATER BARRIER WITH NO SLAB CONTROL JOINTS.
3. STORAGE: 5" THICK SLAB ON GRADE WITH #5 @16" OC EW, 1 1/2" FROM TOP OF SLAB ON 4" CAPILLARY WATER BARRIER.
4. T/SLAB ELEVATION: 99'-8" FOR STORAGE BUILDING
5. "XX" DENOTES BRACING LOCATION. DO NOT BRACE AT DOOR LOCATION
6. CONTROL JOINT MAX SPACING (STORAGE ONLY): 14'-0"

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

DESIGN BY:	K. EDWARDS
DRAWN BY:	B. DOWNEY
CHECKED BY:	P. GROSSKAMP
SUBMITTED BY:	P. GROSSKAMP
SIZE:	ANSI D
ISSUE DATE:	JANUARY, 2026
SOLICITATION NO.:	W912HN-26-B-A003
CONTRACT NO.:	
CATEGORY CODE:	141-001-001
FILE NAME:	189618_S_Central

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER army AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY'25, PN 69262

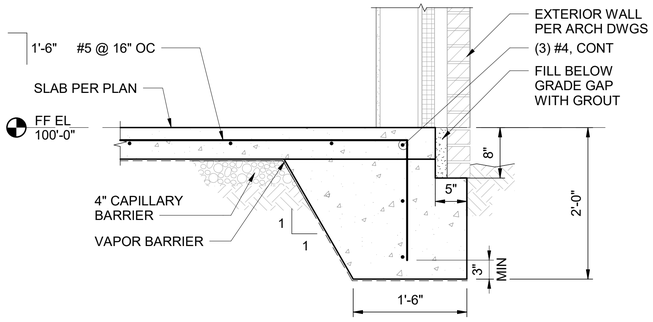
MWD BREAK AREA & STORAGE STRUCTURAL FOUNDATION AND SLAB PLAN

SHEET ID

S-102

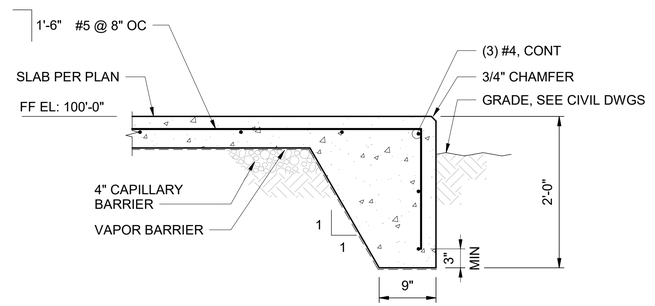
READY TO ADVERTISE (RTA)

2026.01.21 12:16:35-05'00'



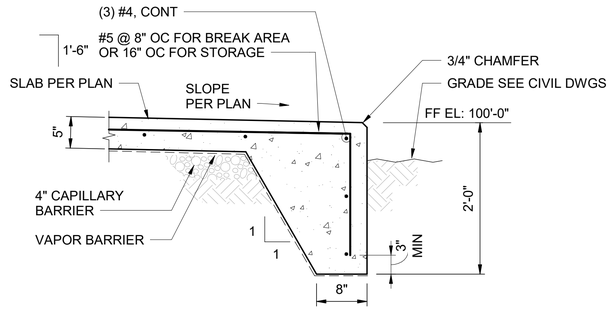
F1 ADMIN SLAB EDGE DETAIL

1" = 1'-0"



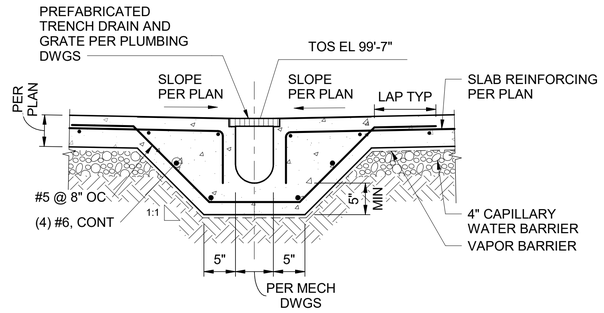
F4 KENNEL SLAB EDGE DETAIL

1" = 1'-0"



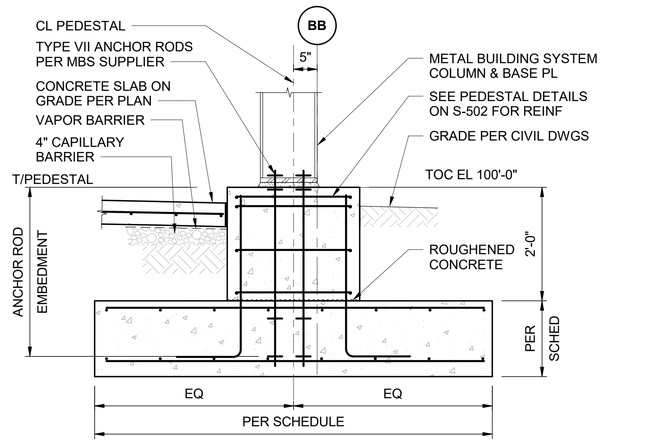
F7 BREAK AREA & STORAGE SLAB EDGE DETAIL

1" = 1'-0"



D1 TRENCH DRAIN DETAIL

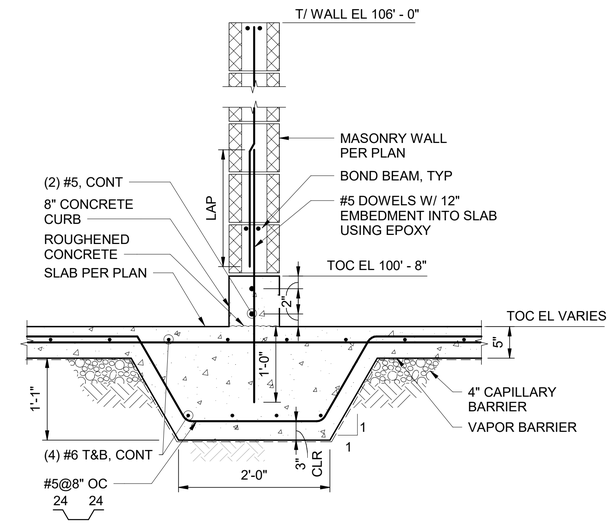
1" = 1'-0"



D4 DETAIL

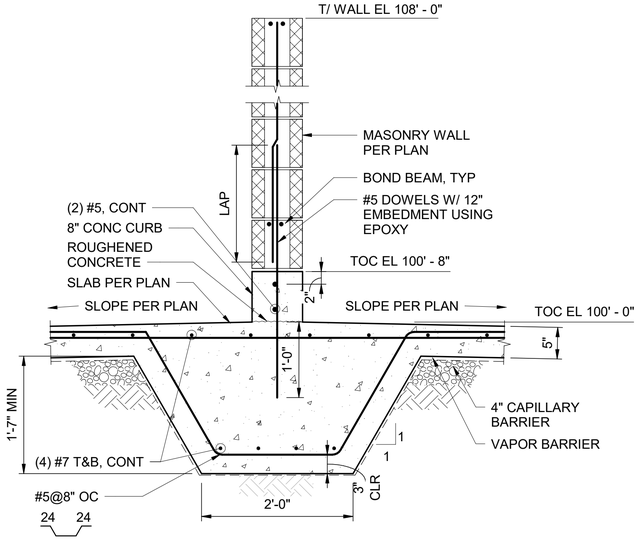
3/4" = 1'-0"

TYPE	LENGTH, L	WIDTH, W	THICKNESS	REINFORCING	T/FTG EL	T/PEDESTAL EL
F4	4'-0"	4'-0"	1'-0"	(5) #5 T&B EW	98'-0"	100'-0"
F6	6'-0"	6'-0"	1'-0"	(7) #5 T&B EW	98'-0"	100'-0"
F6	6'-0"	6'-0"	1'-0"	(7) #5 T&B EW	98'-0"	100'-0"
F7	7'-0"	7'-0"	1'-4"	(9) #5 T&B EW	98'-0"	100'-0"
F7	7'-0"	7'-0"	1'-4"	(9) #5 T&B EW	98'-0"	100'-0"
F8.5	8'-6"	8'-6"	1'-6"	(9) #6 T&B EW	98'-0"	100'-0"
F10	10'-0"	10'-0"	1'-8"	(11) #6 T&B EW	98'-0"	100'-0"
F12	12'-0"	12'-0"	1'-8"	(13) #6 T&B EW	98'-0"	100'-0"
F12	12'-0"	12'-0"	1'-8"	(13) #6 T&B EW	98'-0"	100'-0"
F12	12'-0"	12'-0"	1'-8"	(13) #6 T&B EW	98'-0"	100'-0"
F13	13'-0"	13'-0"	2'-0"	(16) #6 T&B EW	98'-0"	100'-0"
F17	17'-0"	7'-0"	1'-4"	(9) #6 T&B IN L DIRECTION, (21) #6 T&B IN W DIRECTION	98'-0"	100'-0"
F18	18'-0"	12'-0"	1'-8"	(15) #6 T&B IN L DIRECTION, (22) #6 T&B IN W DIRECTION	98'-0"	100'-0"



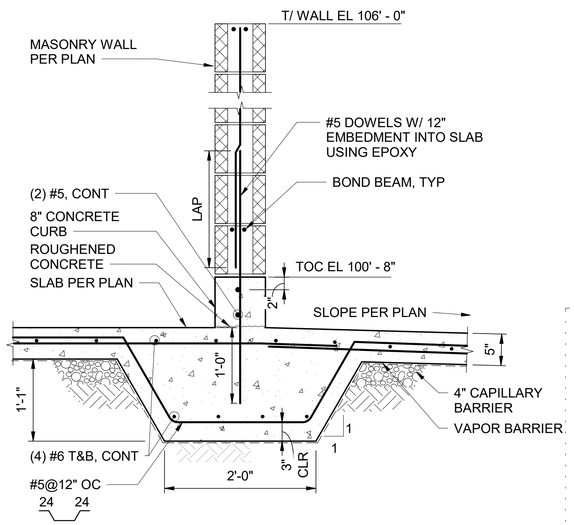
A1 TYPICAL KENNEL WALL FOOTING DETAIL

1" = 1'-0"



A4 TYPICAL BREAK AREA WALL FOOTING DETAIL

1" = 1'-0"



A7 KENNEL CORRIDOR WALL FOOTING DETAIL

1" = 1'-0"

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

DESIGN BY: K. EDWARDS
DRAWN BY: B. DOWNEY
CHECKED BY: P. GROSSKAMP
SUBMITTED BY: P. GROSSKAMP
SIZE: ANSI D
ISSUE DATE: JANUARY 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-001
FILE NAME: 189618 S_Central

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

SECTIONS AND DETAILS

SHEET ID
S-501

READY TO ADVERTISE (RTA)

GEORGIA REGISTERED No. 55555 STRUCTURAL ENGINEER PETER J. GROSSKAMP

2026.01.21 12:19:07-05'00'

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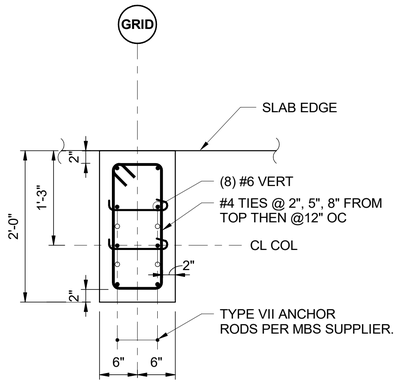
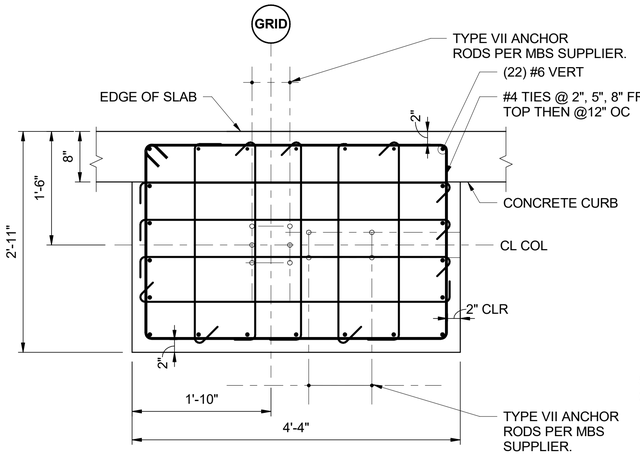
1/21/2026 11:24:22 AM

GENERAL SHEET NOTE

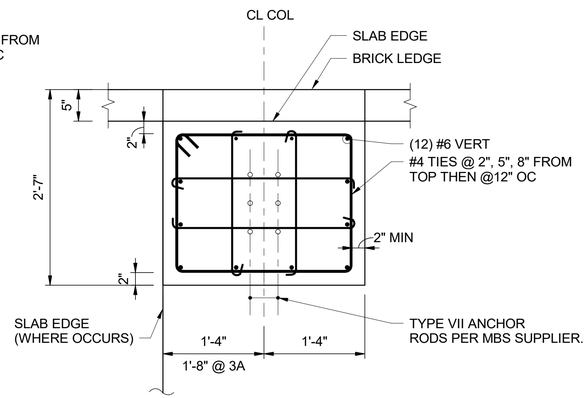
1. ALL COLUMN CENTERLINE AND PEDESTAL DIMENSIONS ARE ASSUMED. CONTRACTOR SHALL HOLD ALL PEDESTAL AND FOUNDATION CONSTRUCTION UNTIL THE ENGINEER OF RECORD HAS REVIEWED AND ACCEPTED ALL REQUIRED METAL BUILDING SYSTEM DESIGN SUBMITTALS AND ALL COLUMNS HAVE BEEN SIZED AND LOCATED BY THE MBS MANUFACTURER.



E1 PEDESTAL P-1
1" = 1'-0"



E3 PEDESTAL P-2
1" = 1'-0"



E6 PEDESTAL P-3/3A
1" = 1'-0"

C1 PEDESTAL P-4
1" = 1'-0"

C3 PEDESTAL P-5
1" = 1'-0"

C6 PEDESTAL P-6
1" = 1'-0"

C8 TRASH ENCLOSURE DETAIL
3/4" = 1'-0"

A1 PEDESTAL P-7
1" = 1'-0"

A3 PEDESTAL P-8
1" = 1'-0"

A6 PEDESTAL P-9/9A
1" = 1'-0"

2026.01.21 12:19:28-05'00'

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-001

DESIGN BY: K. EDWARDS
DRAWN BY: B. DOWNEY
CHECKED BY: P. GROSSKAMP
SUBMITTED BY: P. GROSSKAMP
SIZE: ANSI D
FILE NAME: 189618_S_Central

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY'25, PN 69262

SECTIONS AND DETAILS

SHEET ID
S-502

READY TO ADVERTISE (RTA)

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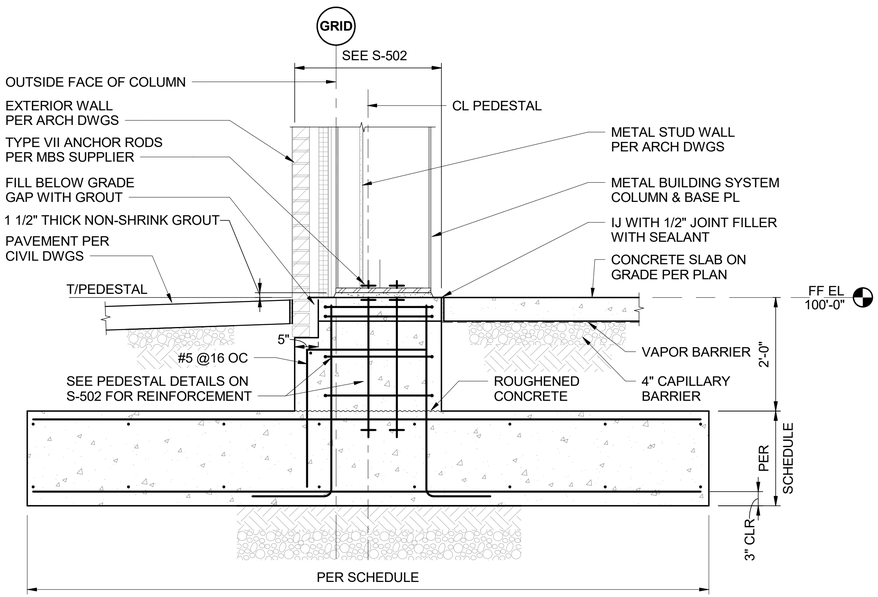
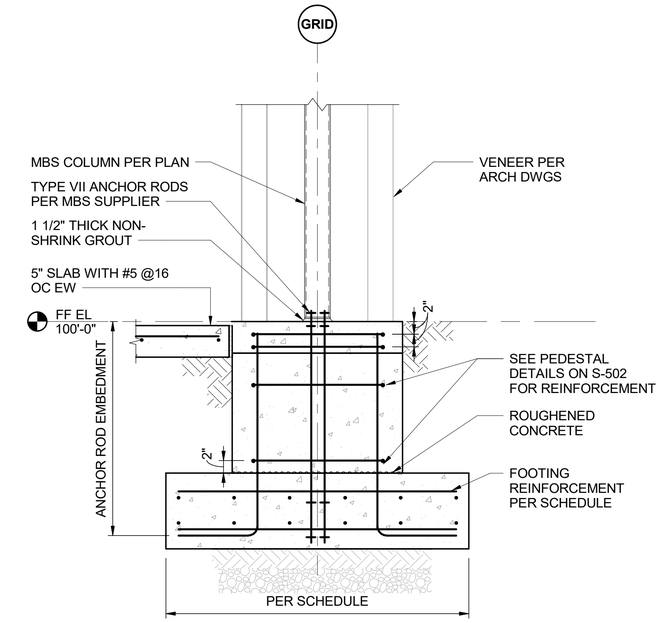


D1 TYPICAL ADMIN EXTERIOR COLUMN FOOTING

3/4" = 1'-0"

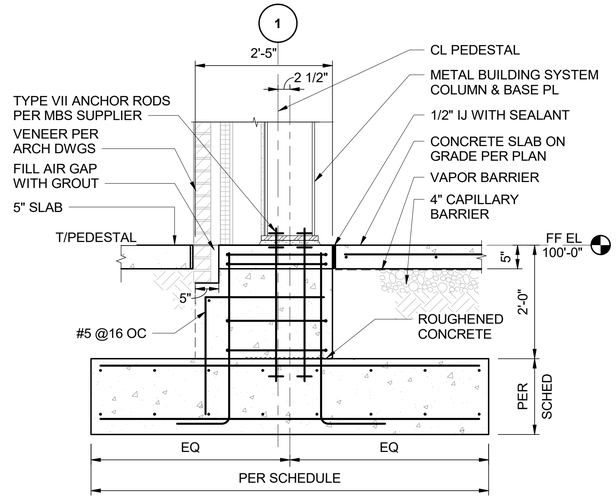
0 1/2' 1' 2'



D5 DETAIL

1" = 1'-0"

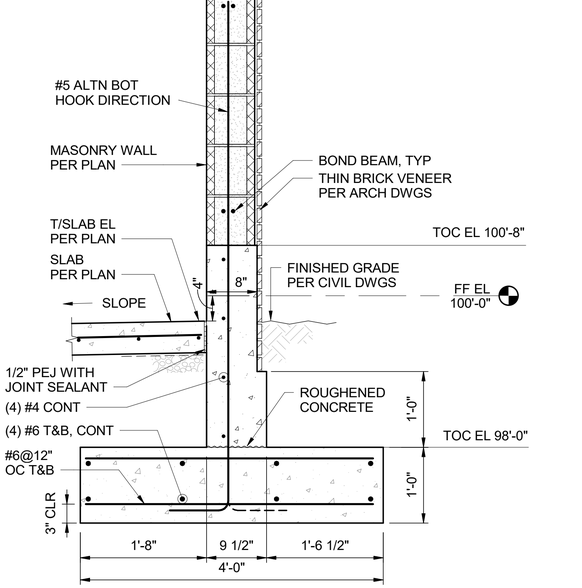
0 1/2' 1' 2'



D8 DETAIL

3/4" = 1'-0"

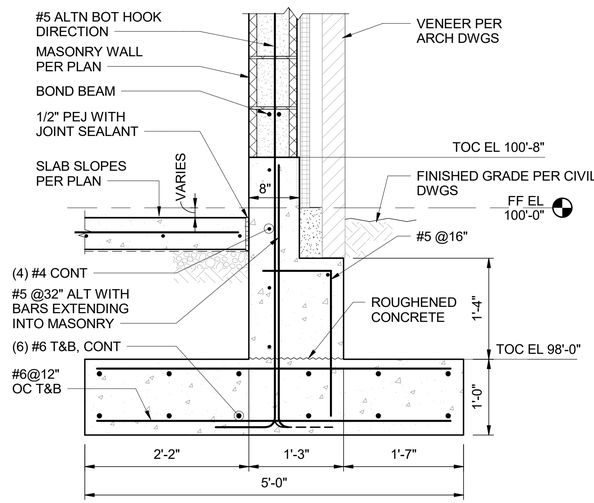
0 1/2' 1' 2'



A1 TYP EXTERIOR KENNEL WALL SECTION

1" = 1'-0"

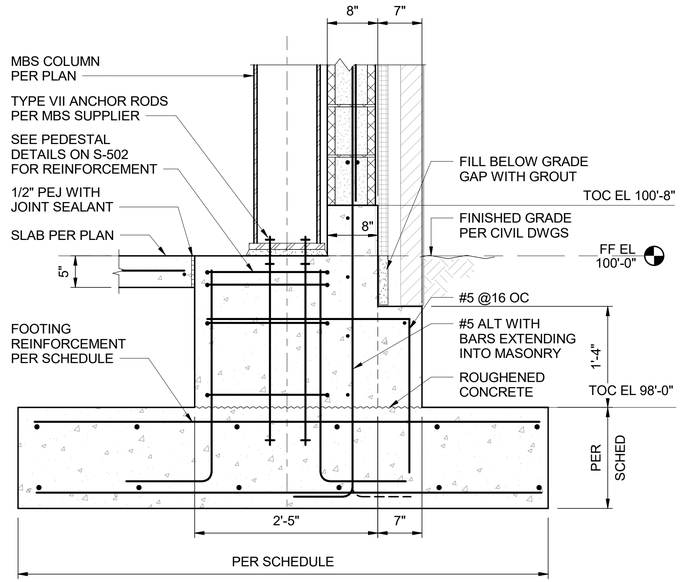
0 1/2' 1' 2'



A3 TYPICAL EXTERIOR CMU WALL DETAIL

1" = 1'-0"

0 1/2' 1' 2'



A6 PLAN WEST COLUMN AND WALL FOUNDATION

1" = 1'-0"

0 1/2' 1' 2'

2026.01.21 12:19:48-05'00'

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1/28/2026 6:25:51 PM

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

DESIGN BY:	K. EDWARDS
DRAWN BY:	B. DOWNEY
CHECKED BY:	P. GROSSKAMP
SUBMITTED BY:	P. GROSSKAMP
SIZE:	ANSI D
ISSUE DATE:	JANUARY 2026
SOLICITATION NO.:	W912HN-26-B-A003
CONTRACT NO.:	
CATEGORY CODE:	141-001-01
FILE NAME:	189818 S Central

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST ST. PEACHTREE AVE.
SAVANNAH, GA 31401-3640

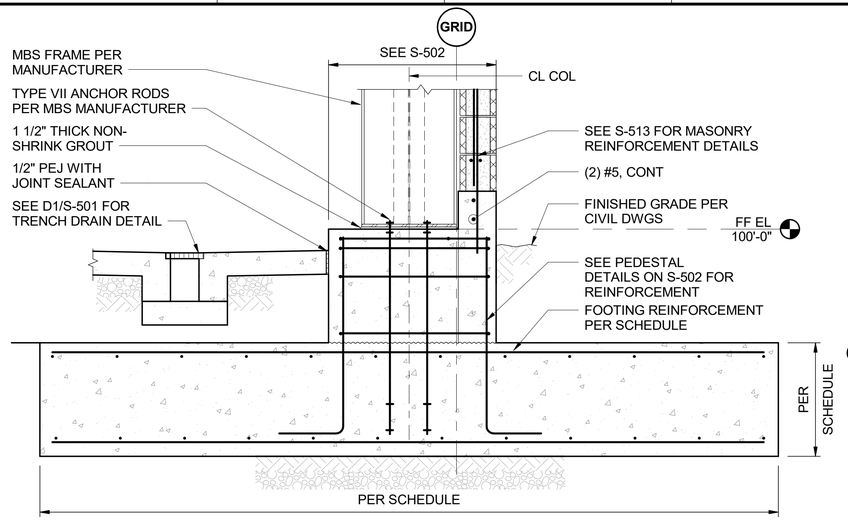
BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY'25, PN 69262

SECTIONS AND DETAILS

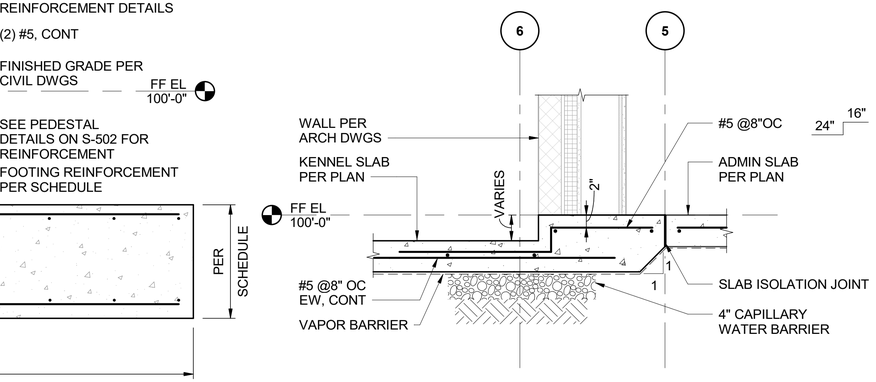
SHEET ID
S-503

READY TO ADVERTISE (RTA)



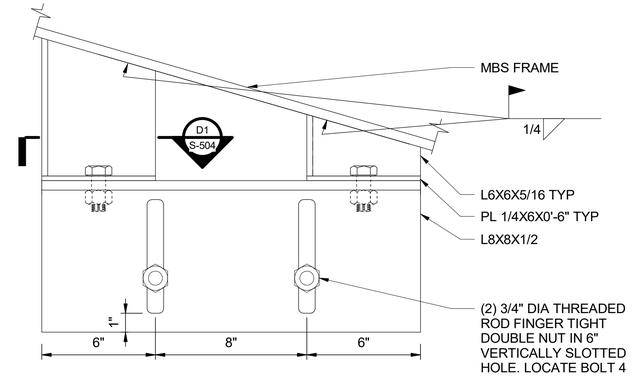
E1 TYPICAL KENNEL EXTERIOR COLUMN FOOTING DETAIL

3/4" = 1'-0"



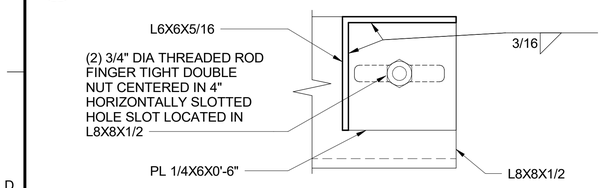
E4 SECTION AT ISOLATION JOINT

1" = 1'-0"



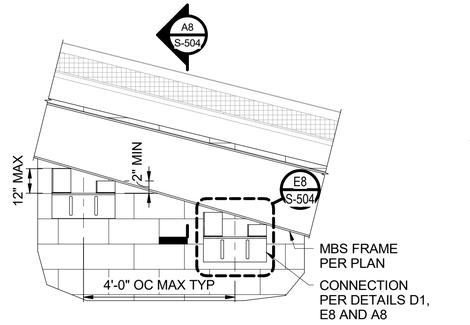
E8 SLOTTED ANGLE CONNECTION

3" = 1'-0"



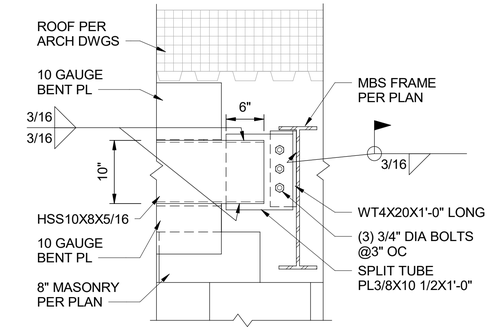
D1 HORIZONTAL SLOTTED PLATE

3" = 1'-0"



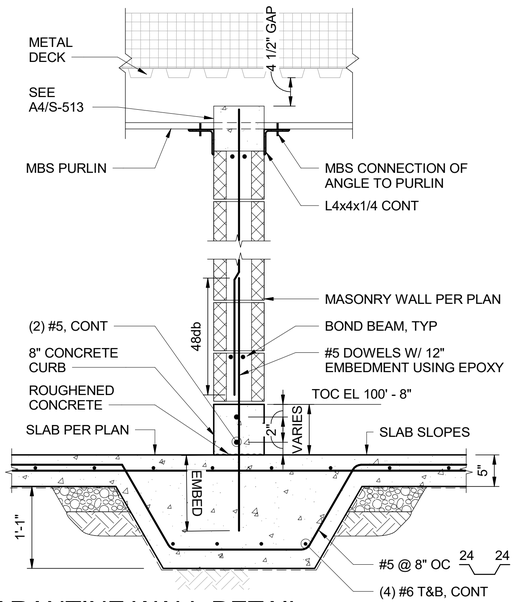
C6 SLOTTED ANGLE DETAIL

1/2" = 1'-0"



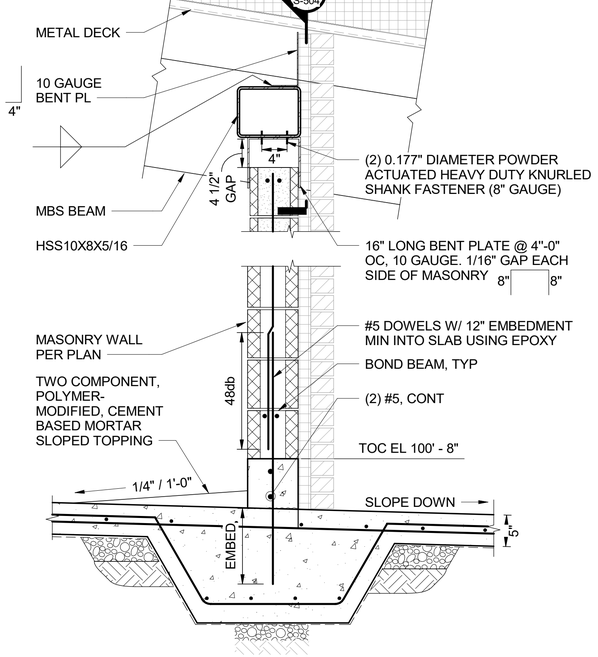
C9 TUBE TO MBS CONNECTION

1" = 1'-0"



A1 QUARANTINE WALL DETAIL

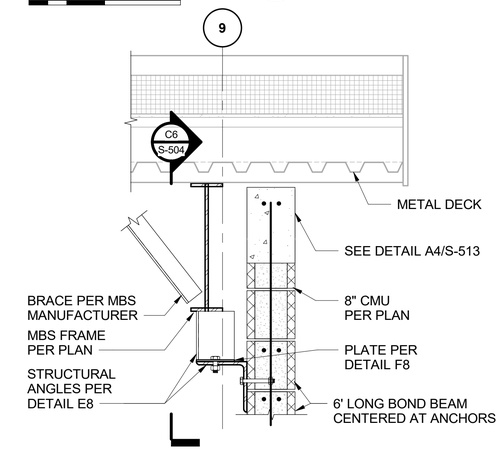
1" = 1'-0"



NOTE: OUT OF PLAN LATERAL LOAD TO BUILDING = 300 PLF

A4 FULL HEIGHT INSULATED CMU WALL DETAIL

1" = 1'-0"



A8 MBS TO CMU CONNECTION

1" = 1'-0"

GEORGIA REGISTERED No. 56CCCCCC STRUCTURAL ENGINEER PETER J. GROSSKAMP

2026.01.21 12:20:09-05'00'

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-001
FILE NAME: 189618 S_Central
SIZE: ANSI D

DESIGN BY: K. EDWARDS
DRAWN BY: B. DOWNEY
CHECKED BY: P. GROSSKAMP
SUBMITTED BY: P. GROSSKAMP

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

SECTIONS AND DETAILS

SHEET ID
S-504

READY TO ADVERTISE (RTA)

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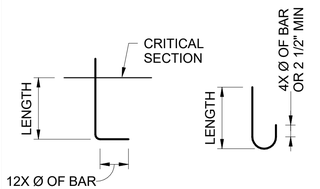
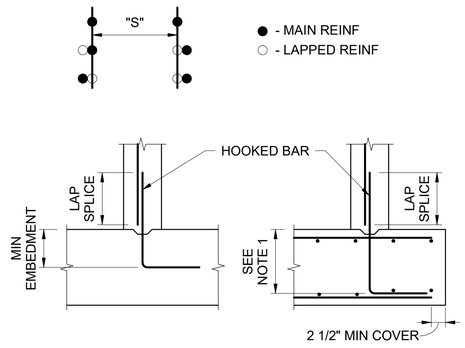
TYPICAL REINFORCING NOTES:

1. PROVIDE REINFORCING BAR DEVELOPMENT AND LAP SPLICE LENGTHS AS SHOWN IN TABLES UNLESS NOTED OTHERWISE.
2. LENGTHS SHOWN INTABLES ARE BASED ON THE FOLLOWING CONCRETE COVERAGE AND REINFORCING C-C SPACING:
   - BEAMS OR COLUMNS: COVER ≥ 1.0bd (BAR DIAMETER); CENTER TO CENTER (C-C) SPACING ≥ 2.0bd
   - ALL OTHERS: COVER ≥ 1.0bd; CENTER TO CENTER SPACING ≥ 3.0 bd
3. TOP BARS ARE DEFINED AS HORIZONTAL REINFORCEMENT PLACED SUCH THAT MORE THAN 12" OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW THE DEVELOPMENT LENGTH OR SPLICE. VERTICAL BARS MAY BE CLASSIFIED AS OTHER.
4. WHERE BAR SPLICES ARE STAGGERED SUCH THAT ONE-HALF OR LESS OF TOTAL REINFORCEMENT IS SPLICED WITHIN REQUIRED LAP LENGTH. SPLICE LENGTH MAY EQUAL DEVELOPMENT LENGTH.
5. CENTER TO CENTER SPACING(S) IS DEFINED AS BELOW:



RADIUS OF HOOK (DEVELOPMENT, UNO):
#3 TO #8 BARS - 6 X BAR DIA
#9 TO #11 BARS - 8 X BAR DIA
#14 & #18 BARS - 10 X BAR DIA

RADIUS OF HOOK (STIRRUPS/TIES/HOOPS):
#3 TO #5 BARS - 4 X BAR DIA
#6 TO #8 BARS - 6 X BAR DIA



DETAIL 1 **DETAIL 2**

DEVELOPMENT LENGTH NOTES:

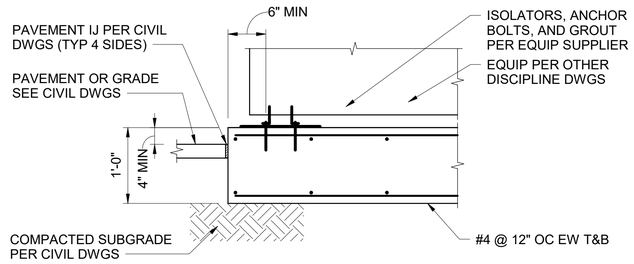
1. FOR CONDITIONS SIMILAR TO DETAIL 2, EXTEND THE EMBEDMENT LENGTH SUCH THAT HOOKED BAR CONTACTS LAYER OF MAIN REINFORCING SHOWN.
2. EMBEDMENT LENGTHS IN CHART ARE TYPICAL EXCEPT AS NOTED IN DETAIL 2, OR AS INDICATED ON DRAWINGS.

REINFORCING DEVELOPMENT LENGTHS (NORMAL WEIGHT) = (5000psi)			
	DEVELOPMENT LENGTH		
BAR SIZE	OTHER	TOP	HOOK LENGTH
#3	1' - 1"	1' - 5"	7"
#4	1' - 5"	1' - 10"	11"
#5	1' - 10"	2' - 5"	1' - 3"
#6	2' - 2"	2' - 10"	1' - 7"
#7	3' - 2"	4' - 1"	2' - 0"
#8	3' - 7"	4' - 8"	2' - 5"
#9	4' - 0"	5' - 2"	2' - 11"
#10	4' - 6"	5' - 10"	3' - 6"
#11	5' - 0"	6' - 6"	4' - 1"
#14	6' - 0"	7' - 10"	5' - 4"
#18	8' - 0"	10' - 5"	8' - 2"

REINFORCING SPLICE LENGTHS (NORMAL WEIGHT) = (5000psi)		
	SPLICE LENGTH	
BAR SIZE	OTHER	TOP
#3	1' - 5"	1' - 10"
#4	1' - 10"	2' - 5"
#5	2' - 5"	3' - 1"
#6	2' - 10"	3' - 8"
#7	4' - 1"	5' - 4"
#8	4' - 8"	6' - 1"
#9	5' - 2"	6' - 9"
#10	5' - 10"	7' - 7"
#11	6' - 6"	8' - 5"
#14	7' - 10"	10' - 2"
#18	10' - 5"	13' - 6"

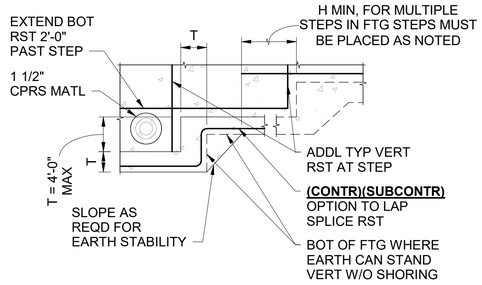
A1 TYPICAL REINFORCING DEVELOPMENT AND SPLICES

NTS



F5 ARMAG & EQUIPMENT FOUNDATION (EF-1)

1" = 1'-0"

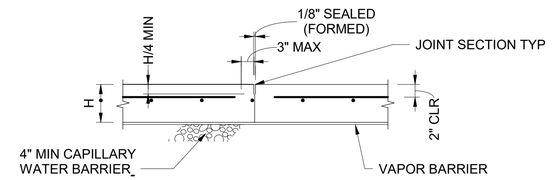


NOTES:

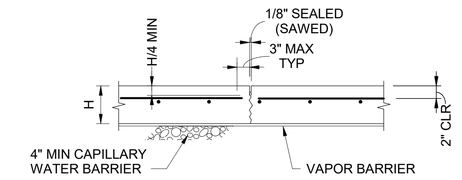
1. USE THIS DETAIL AS REQUIRED TO DEPRESS FOOTING TO FIRM BEARING, OR TO GET BELOW UNDERGROUND PIPING, OR WHEREVER CHANGE IN FOOTING ELEVATION OCCURS.
2. PLACE ALL CONCRETE AGAINST UNDISTURBED SOIL. IF SOIL IS DISTURBED DURING CONCRETE PLACEMENT, REPLACE DISTURBED SOIL WITH CONCRETE.

D5 STEPPED FOOTING

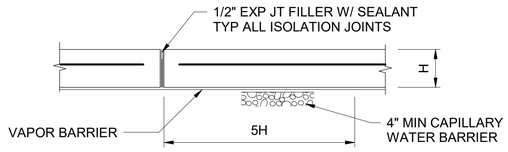
NTS



CONSTRUCTION JOINT (CJ)



CONTRACTION JOINT (CTJ)

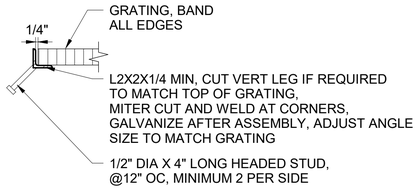


NOTE:
DISCONTINUE REINFORCEMENT AT JOINT UNO

ISOLATION JOINT (IJ) AT SLAB EDGE

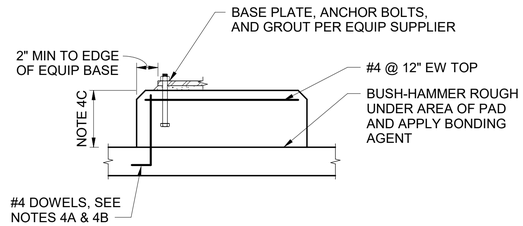
A5 SLAB ON GRADE JOINTS

1" = 1'-0"



F8 GRATING ANGLE SUPPORT DETAIL

1 1/2" = 1'-0"



NOTES:

1. PROVIDE EP-1 FOR INT EQUIP AND FOR EXT EQUIP ON CONC PAVEMENT. PROVIDE EF-1 FOR OTHER EXT EQUIP. SEE OTHER DISCIPLINE DRAWINGS FOR EQUIP LOCATIONS.
2. PROVIDE STANDARD TYPE VII ANCHOR RODS, UNLESS OTHERWISE RECOMMENDED BY EQUIP MFR.
3. GROUT EQUIP IN PLACE W/ NON-SHRINK GROUT UNLESS OTHERWISE RECOMMENDED BY EQUIP MFR.
4. FOR EP-1 ONLY:
   A. PROVIDE NUMBER OF DOWELS TO MATCH TOTAL CROSS-SECTIONAL AREA OF ANCHOR BOLTS, EQUALLY SPACED AROUND PAD, EXCEPT DO NOT EXCEED 12" SPACING.
   B. IF FLOOR SLAB OR PAVEMENT IS EXISTING OR CONSTRUCTED BEFORE DOWELS ARE PLACED, EPOXY GROUT DOWELS INTO FLOOR SLAB OR PAVEMENT W/ 4 1/2" EMBED.
   C. HEIGHT OF PAD ABOVE SURROUNDING FLOOR SLAB OR PAVEMENT: 4" MIN FOR PADS W/ 1" DIA OR SMALLER ANCHOR BOLTS, OR 6" MIN FOR PADS W/ ANCHOR BOLTS LARGER THAN 1" DIA.

C8 EQUIPMENT PAD (EP-1)

3/4" = 1'-0"

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

DESIGN BY: K. EDWARDS
DRAWN BY: B. DOWNEY
CHECKED BY: P. GROSSKAMP
SUBMITTED BY: P. GROSSKAMP
SIZE: ANSI D
ISSUE DATE: JANUARY 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-01
FILE NAME: 189618 S_Central

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

STANDARD CONCRETE DETAILS

SHEET ID
S-511

READY TO ADVERTISE (RTA)

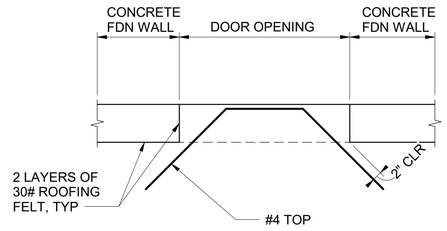
GEORGIA REGISTERED No. SECOND STRUCTURAL ENGINEER PETER J. GROSSKAMP

2026.01.21 12:20:31-05'00'

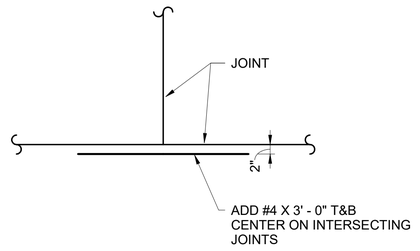
C:\Users\pjgrosskamp.BMCD\OneDrive - Burns & McDonnell\Documents\143139_S_Central_pjgrosskamp@burnsmcd.com.rvt
1/21/2026 11:24:36 AM

POST-INSTALLED FASTENER REQUIREMENTS							
SECTION/DETAIL	TYPE	SIZE (DIA)	EMBED LENGTH	EDGE DISTANCE	SPACING	REQUIRED FACTORED SHEAR*	REQUIRED FACTORED TENSION*
A4/S-504	PAF	0.177"	FULL	1 1/2"	SEE DETAIL	350LB	400LB
E8/S-504	ADHESIVE	0.75"	4" MIN	6"	SEE DETAIL	0LB	775LB
A1,A4,A7/S-501 A1,A4/S-504	EPOXY	#5	12" MIN	4"	SEE DETAIL	1650LB	15400LB

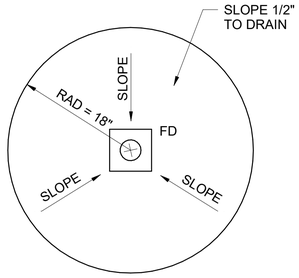
NOTE: SUBMIT PRODUCT DATA FOR APPROVAL PRIOR TO INSTALLATION. * PROVIDE ANCHORS ADEQUATE FOR INDICATED LOAD.



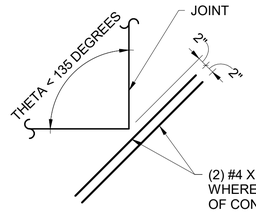
F5 TYPICAL SLAB REINFORCING AT DOOR OPENING
NTS



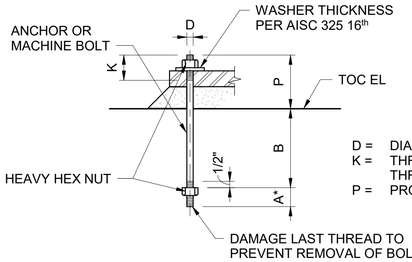
F8 TYPICAL ADD BARS AT INTERSECTING JOINTS
NTS



E5 TYPICAL FLOOR DRAIN DETAIL
NTS



E8 TYPICAL RE-ENTRANT CORNER BARS IN SLAB
NTS

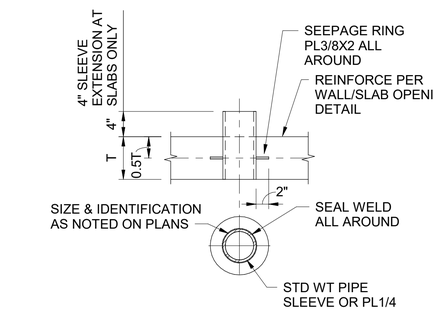


D = DIAMETER
K = THREADS (2D+3" SINGLE NUT)
THREADS (3D+3" DOUBLE NUTS)
P = PROJECTION, PER MBS OR EQUIP MFR

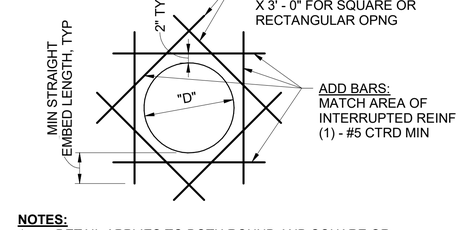
SCHEDULE			
D	A*	B	REMARKS
3/8"	2"	6"	
1/2"	2"	7"	
5/8"	2"	10"	
3/4"	2"	1' - 0"	
7/8"	3"	1' - 2"	
1"	3"	1' - 4"	
1 1/8"	3"	1' - 6"	
1 1/4"	3"	1' - 8"	
1 3/8"	4"	1' - 10"	
1 1/2"	4"	2' - 0"	
1 3/4"	4"	2' - 5"	
2"	4"	2' - 10"	

NOTE:
1. * NOT REQUIRED FOR MACHINE BOLTS
2. CONTRACTOR HAS OPTION OF USING HEADED MACHINE BOLTS IN LIEU OF THREADED RODS.
3. FULLY THREADED RODS ARE NOT PERMITTED.
4. ASTM F1554 GRADE 55.
5. 'B' EMBEDMENT LENGTH VALUES ARE PRELIMINARY AND MUST BE FINALIZED UPON MBS DESIGN COMPLETION. DO NOT FABRICATE PRIOR TO REVIEW.

B1 TYPE VII ANCHOR ROD
NTS

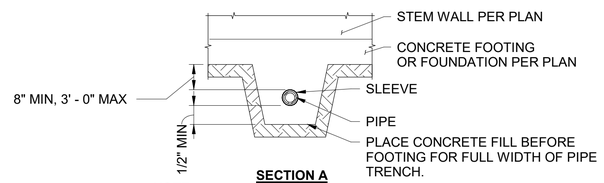


B5 TYPICAL SLEEVE THROUGH WALL/SLAB
NTS



NOTES:
1. DETAIL APPLIES TO BOTH ROUND AND SQUARE OR RECTANGULAR OPNGS ("D" = HEIGHT OR WIDTH).
2. DIAG BARS ARE REQD FOR ALL OPNGS EXCEPT FLOOR DRAINS, BUT ADD BARS ARE NOT REQD WHERE NO REINF OR DECK FLUTES INTERRUPTED BY OPENING.
3. REINFORCE OPENINGS WITH "D" LARGER THAN 3' - 0" AS INDICATED ON THE DWGS.

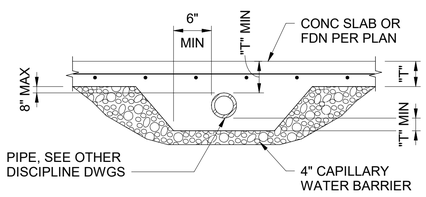
B8 WALL/SLAB OPENING
NTS



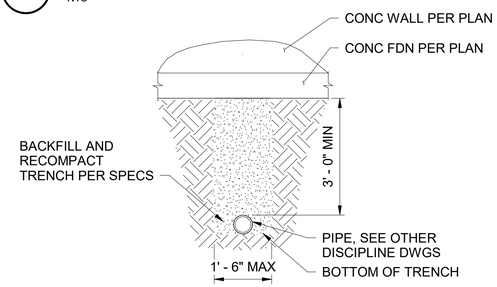
SECTION A

NOTE:
DO NOT ROUTE PIPES THRU FOOTINGS NOR BELOW ISOLATED COLUMN FOOTING. IF PIPES ARE LOCATED AT FOOTING, SEE TYPICAL STEP IN FOOTING DETAIL.

8" TO 3' - 0" BELOW CONT FOUNDATION



BELOW SLAB OR LESS THAN 8" BELOW CONT FOUNDATION



GREATER THAN 3' - 0" BELOW CONT FOUNDATION

A1 TYPICAL PIPE RUNNING BELOW CONT FOUNDATION
NTS

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-01
FILE NAME: 139618_S_Central

DESIGN BY: K. EDWARDS
DRAWN BY: B. DOWNEY
CHECKED BY: P. GROSSKAMP
SUBMITTED BY: P. GROSSKAMP
SIZE: ANSI D

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

STANDARD CONCRETE DETAILS

SHEET ID
S-512

READY TO ADVERTISE (RTA)

GEORGIA REGISTERED No. 56010 STRUCTURAL ENGINEER PETER J. GROSSKAMP

2026.01.21 12:20:52-05'00'

C:\Users\pjgrosskamp.BMCD\OneDrive - Burns & McDonnell\Documents\139618_S_Central_pjgrosskamp@burnsmcd.com.rvt
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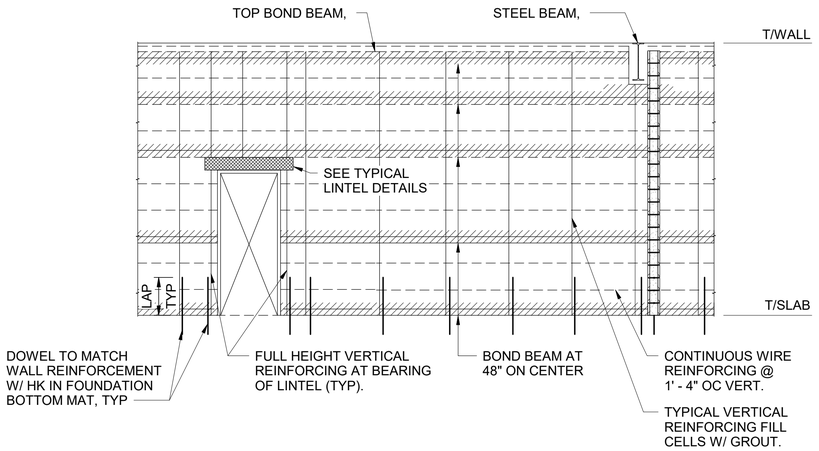
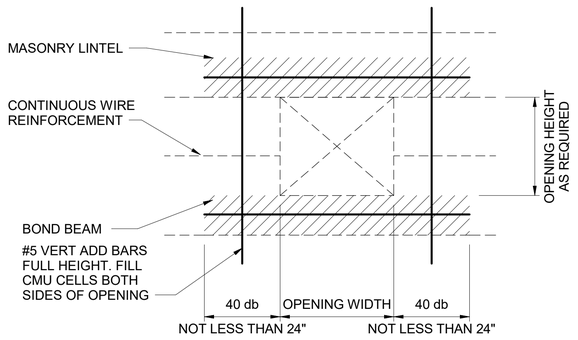
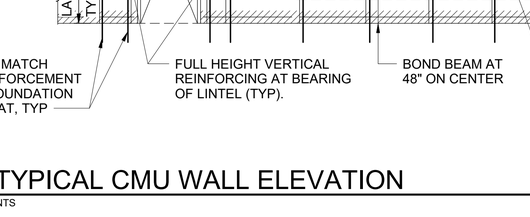


E1 TYPICAL CMU WALL ELEVATION
NTS



C1 TYPICAL WALL OPENING REINFORCING
NTS



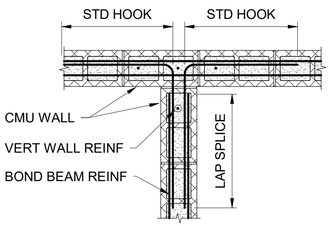
JAMB J-1

TYPICAL FOR 8" CMU OPENINGS UP TO 3' - 6" WIDE

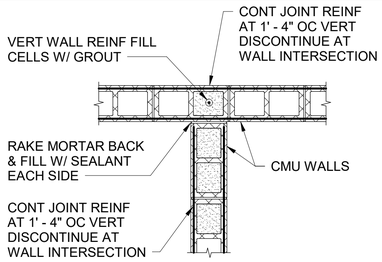
JAMB J-2

TYPICAL FOR 8" CMU OPENINGS UP TO 7' - 6" WIDE.

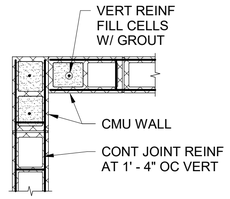
A1 TYPICAL MASONRY JAMB DETAILS, UNO
NTS



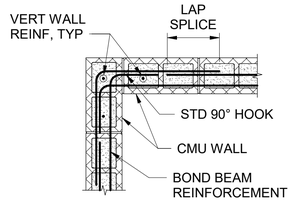
F5 TYPICAL CMU WALL INTERSECTION DETAIL AT BOND BEAM
NTS



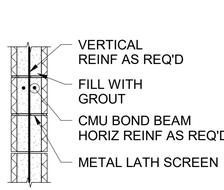
F8 TYPICAL CMU WALL INTERSECTION DETAIL
NTS



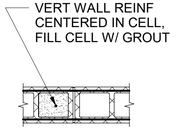
E5 TYPICAL CMU WALL CORNER DETAIL
NTS

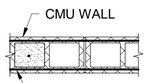


D8 TYPICAL CMU WALL CORNER DETAIL AT BOND BEAMS
NTS

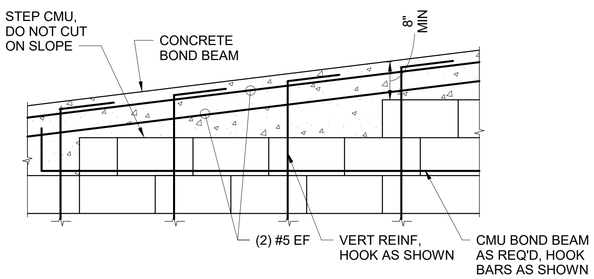


C4 TYPICAL BOND BEAM
NTS



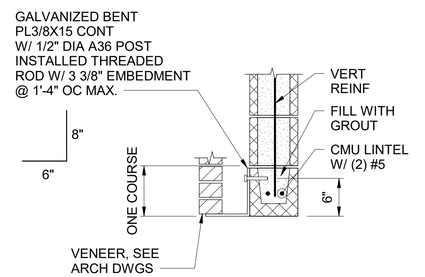


C5 TYPICAL CMU WALL REINFORCING
NTS



SLOPING BOND BEAM

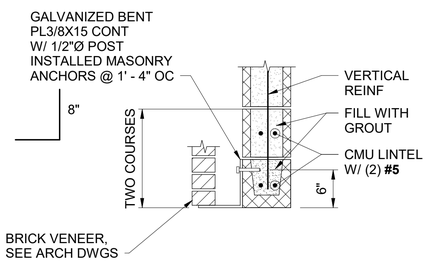
A4 SLOPED CMU BOND BEAM DETAIL
NTS



LINTEL L-1

TYPICAL FOR MASONRY OPENINGS UP TO 3'-6" WIDE PROVIDE 16" BEARING OF LINTEL EACH END

B8 TYPICAL LINTEL DETAIL L1
NTS



LINTEL L-2

NOT TO SCALE
TYP FOR CMU OPENINGS GREATER THAN 3' - 6" TO 7' - 6" WIDE PROVIDE 16" BRG AT EA END

A7 TYPICAL LINTEL DETAIL L2
1" = 1'-0"

Masonry Wall Schedule

MARK	WIDTH	REINFORCEMENT
W1	7 5/8"	#5@32" OC
W2	7 5/8"	#5@24" OC

2026.01.21 12:21:17-05'00'

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-001
DESIGN BY: K. EDWARDS
DRAWN BY: B. DOWNEY
CHECKED BY: P. GROSSKAMP
SUBMITTED BY: P. GROSSKAMP
FILE NAME: 189618_S_Central
SIZE: ANSI D

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER army AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

STANDARD MASONRY DETAILS

SHEET ID
S-513

READY TO ADVERTISE (RTA)

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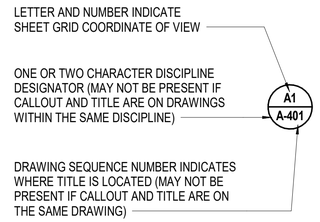
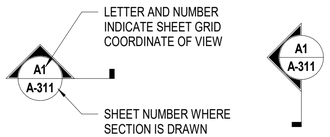
1/21/2026 11:24:32 AM

CALL OUT IDENTIFICATION

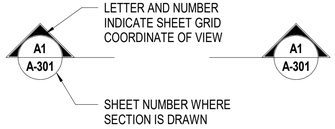
SECTION, DETAIL, AND ELEVATION SYMBOL IDENTIFIERS:



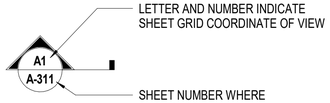
WALL SECTION CALLOUT EXAMPLE:



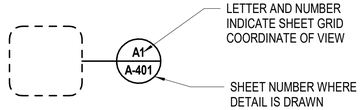
BUILDING SECTION CALLOUT EXAMPLE:



VIEW REFERENCE EXAMPLE:

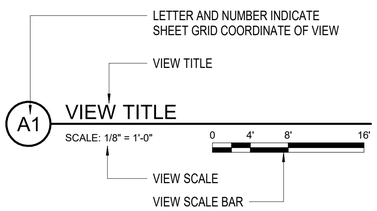


DETAIL CALLOUT EXAMPLE:

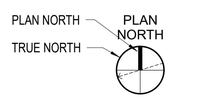


ELEVATION CALLOUT EXAMPLE:

SECTION, DETAIL, AND ELEVATION TITLE EXAMPLE:

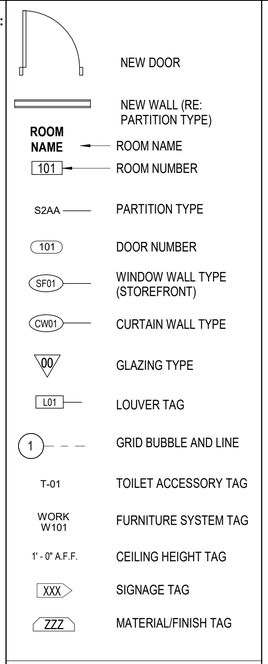


NORTH ARROW EXAMPLE:

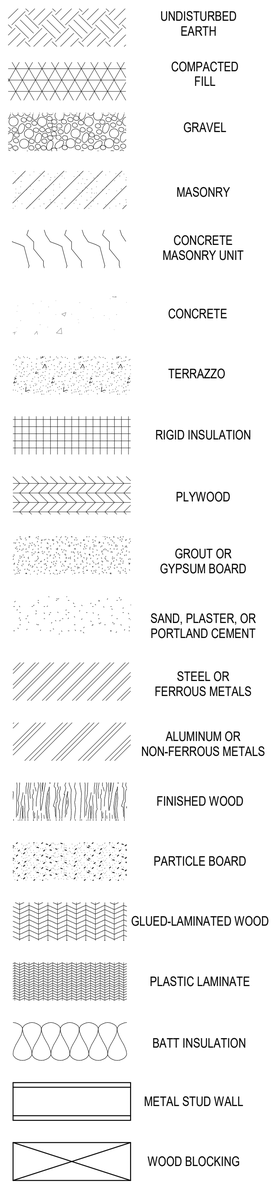


NORTH ARROW INDICATING PLAN NORTH AND TRUE NORTH

PLAN LEGEND



MATERIAL SYMBOLS



ABBREVIATIONS

	-A-
A/E	ARCHITECT/ENGINEER
ACOUST	ACOUSTICAL
ADJ	ADJACENT, ADJUSTABLE
AFF	ABOVE FINISH FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
ALT	ALTERNATE
ALUM	ALUMINUM
APPROX	APPROXIMATE
ARCH	ARCHITECTURE, ARCHITECT
	-B-
BD	BOARD
BITUM	BITUMINOUS
BLDG	BUILDING
BLKG	BLOCKING
BO	BOTTOM OF, AS IN "BO STEEL"
BTWN	BETWEEN
	-C-
CAB	CABINET
CCTV	CLOSED CIRCUIT TELEVISION
CID	COMPREHENSIVE INTERIOR DESIGN
CJ	CONTROL JOINT, CONSTRUCTION JOINT
CL	CENTER LINE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
COL	COLUMN
COMM	COMMUNICATION
CONC	CONCRETE
CONSTR	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACT, CONTRACTOR
COORD	COORDINATE
CORR	CORRUGATED OR CORRIDOR
CU	CUBIC
°C	CELSIUS
	-D-
DBL	DOUBLE
DEMO	DEMOLITION
DESCR	DESCRIPTION
DET	DETAIL
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DN	DOWN
DR	DOOR
DS	DOWNSPOUT
DWG	DRAWING
	-E-
E	EAST
EA	EACH
EEW	EMERGENCY EYEWASH
EEWS	EMERGENCY EYEWASH & SHOWER
EF	EXHAUST FAN
EJ	EXPANSION JOINT
EL	ELEVATION, AS IN HEIGHT
ELAST	ELASTOMERIC
ELEC	ELECTRIC / ELECTRICAL
ELEV	ELEVATOR, OR ELEVATION AS IN NORTH ELEV
EQ	EQUAL
EQUIP	EQUIPMENT
ETC	AND SO FORTH (ETCETERA)
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EX/EXT	EXTERIOR
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPANSION
	-F-
FD	FLOOR DRAIN
FDN	FOUNDATION
FE	FIRE EXTINGUISHER WITH WALL BRACKET
FEC	FIRE EXTINGUISHER CABINET
FF	FINISH FLOOR
FF&E	FURNITURE, FIXTURES & EQUIPMENT
FHC	FIRE HOSE CABINET (WITH EXTINGUISHER & BRACKET)
FHR	FIRE HOSE REEL (WITH EXTINGUISHER & BRACKET)
FIN	FINISHED, FINISH
FLR	FLOOR
FT	FEET / FOOT
FV	FIELD VERIFY
°F	FAHRENHEIT
	-G-
GA	GAUGE
GALV	GALVANIZED
GL	GIRT LINE, GRID LINE, GRADE LINE, GLASS
GRTG	GRATING
GYP	GYPSUM
GYP BD	GYPSUM BOARD
	-H-
H	HIGH
HD	HAND
HDWR	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HT	HEIGHT
HVAC	HEATING, VENTILATION & AIR CONDITIONING
	-I-
ID	INSIDE DIAMETER
IN	INCH
INSUL	INSULATION
INT	INTERIOR
	-J-
JAN	JANITOR'S CLOSET
	-L-
L	LEFT, LONG, LENGTH
LAB	LABORATORY
LAT	LATITUDE
LAV	LAVATORY
LB or #	POUND
LH	LEFT HAND
LONG	LONGITUDE
LVR	LOUVER
	-M-
M	METER
MACH	MACHINE
MAINT	MAINTENANCE
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM, MINUTE
MISC	MISCELLANEOUS
MM	MILLIMETER
MO	MASONRY OPENING
MTD	MOUNTED
MTL	METAL
	-N-
N	NORTH
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTP	NOTICE TO PROCEED
NTS	NOT TO SCALE
	-O-
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFF	OFFICE
OPNG	OPENING
OPP	OPPOSITE
OTS	OPEN TO STRUCTURE
	-P-
PA	PUBLIC ADDRESS
PERIM	PERIMETER
PKG	PACKAGE
PL	PLATE
PLMB	PLUMBING
PLYWD	PLYWOOD
PROJ	PROJECT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE
	-R-
R	RADIUS
R/A	RETURN AIR
RCP	REFLECTIVE CEILING PLAN
RD	ROOF DRAIN
RE:	REFERENCE
RECP	RECEPTACLE
REINF	REINFORCED
REQ'D	REQUIRED
REV	REVISION
RH	RIGHT HAND
RO	ROUGH OPENING
	-S-
S	SOUTH
S/A	SUPPLY AIR
SCHED	SCHEDULE
SECT	SECTION
SF	SQUARE FOOT
SID	STRUCTURAL INTERIOR DESIGN
SIM	SIMILAR
SPEC	SPECIFICATION
SQ	SQUARE, AS IN "SQ FT"
SSMR	STANDING SEAM METAL ROOF
STC	SOUND TRANSMISSION COEFFICIENT
STD	STANDARD
STOR	STORAGE
STRUCT	STRUCTURAL
SUPP	SUPPORT
SUSP	SUSPENDED
SYS	SYSTEM
	-T-
TD	TRENCH DRAIN
TECH	TECHNICAL
THRU	THROUGH
TLT	TOILET
TO	TOP OF, AS IN "TO STEEL"
TYP	TYPICAL
	-U-
UL	UNDERWRITERS LABORATORY
UNO	UNLESS NOTED OTHERWISE
UTIL	UTILITY
	-V-
VENT	VENTILATE, VENTILATOR
VERT	VERTICAL
VOL	VOLUME
	-W-
W	WEST, WIDTH
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET
WD	WOOD
WH	WATER HEATER
WT	WEIGHT

ARCHITECTURAL GENERAL NOTES

1. WORK MUST COMPLY WITH APPLICABLE CODES AND STANDARDS AS LISTED OR REFERENCED ON LIFE SAFETY PLAN AND LIFE SAFETY CRITERIA OR AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.
2. DIMENSIONS GOVERN. DETAILS GOVERN OVER PLANS AND ELEVATIONS. LARGE SCALE DETAILS OR PLANS GOVERN OVER SMALL SCALE DETAILS OR PLANS. DO NOT SCALE DRAWINGS.
3. CONSTRUCTION MUST MEET OR EXCEED LOCAL INDUSTRY STANDARDS. DETAILS ARE PROVIDED TO INDICATE MINIMUM QUALITY AND TO GIVE STANDARDS OF CONSTRUCTION. INCORPORATE SIMILAR DETAILS AT SIMILAR CONDITIONS UNLESS NOTED OTHERWISE.
4. THE LETTERS I, O, AND Q ARE NOT USED TO INDICATE DETAILS, SECTIONS OR ELEVATIONS.
5. PAINT, STAIN, OR COAT EXPOSED SURFACES OF CONSTRUCTION UNLESS NOTED OTHERWISE OR IF SURFACES ARE PRE-FINISHED.
6. OPENING DIMENSIONS ARE NOMINAL. FIELD MEASURE OPENINGS AND COORDINATE WITH THE APPROPRIATE SUPPLIER FOR DOORS AND WINDOWS.
7. PROVIDE GALVANIC PROTECTION BETWEEN DISSIMILAR MATERIALS, WHERE REQUIRED.
8. SEAL EXTERIOR BUILDING JOINTS AT BOTH THE EXTERIOR AND INTERIOR SURFACES AGAINST MOISTURE AND AIR INFILTRATION.
9. SEAL AROUND DOOR AND WINDOW FRAMES, COUNTERTOPS, WALL-MOUNTED FIXTURES AND EQUIPMENT TO ADJACENT WALL SURFACES.
10. COORDINATE PENETRATIONS IN THE STRUCTURE FOR THE PROPER INSTALLATION OF THE WORK. REFER TO STRUCTURAL DRAWINGS FOR SECONDARY FRAMING AND OR REINFORCING REQUIRED AT PENETRATIONS IN STEEL, CONCRETE OR MASONRY.
11. PROVIDE ACCESS DOORS OR PANELS AS REQUIRED FOR SERVICING OF PIPING, DUCTWORK, CABLE TRAYS, FIRE DAMPERS AND SIMILAR APPLICATIONS. PROPOSED ACCESS DOOR LOCATIONS TO BE SUBMITTED FOR APPROVAL PRIOR TO INSTALLATION.
12. PROVIDE HVAC, PLUMBING, GAS OR ELECTRIC SERVICE CONNECTIONS TO CASEWORK, FIXTURES, SIGNAGE, OR EQUIPMENT INDICATED (WHETHER UNITS ARE INSTALLED BY CONTRACTOR OR BY OTHERS).
13. BRACE PARTITIONS, SUSPENDED CEILINGS, SOFFITS, SUSPENDED ITEMS, ETC. ONLY TO STRUCTURAL ELEMENTS ABOVE. DO NOT ANCHOR TO ROOF DECK, PLUMBING / SPRINKLER PIPES, DUCTWORK, ELECTRICAL CONDUIT OR SIMILAR ELEMENTS.
14. DO NOT REPRODUCE DRAWINGS IN THIS SET FOR SHOP DRAWINGS. COPIES OF THESE DRAWINGS SUBMITTED AS SHOP DRAWINGS WILL BE REJECTED AND RETURNED TO THE CONTRACTOR.
15. BECOME FULLY ACQUAINTED WITH CONDITIONS RELATED TO THE WORK. DISCREPANCIES BETWEEN THE DRAWINGS AND THE CONDITIONS WILL BE REPORTED TO THE CONTRACTING OFFICER FOR RESOLUTION PRIOR TO PROCEEDING WITH THE WORK.
16. EXAMINE SUBSTRATE AND/OR CONDITIONS UNDER WHICH THE WORK WILL BE INSTALLED AND REPORT TO THE CONTRACTOR IN WRITING ANY CONDITIONS DETRIMENTAL TO THE PROPER AND TIMELY EXECUTION OF THE INSTALLERS WORK. DO NOT PROCEED UNTIL UNSATISFACTORY CONDITIONS ARE CORRECTED. INSTALLATION CONSTITUTES ACCEPTANCE OF THE SUBSTRATE AND/OR CONDITIONS.
17. "TYPICAL" (TYP) AS USED IN THESE DOCUMENTS MEANS THAT THE CONDITIONS OR DIMENSION IS THE SAME OR REPRESENTATIVE FOR SIMILAR CONDITIONS THROUGHOUT.
18. INSTALL CONTROL JOINTS (CJ) AT ALL PARTITIONS. CJ AT CONCRETE MASONRY UNIT PARTITIONS MUST BE MAXIMUM 20'-0" O.C., UNLESS NOTED OTHERWISE ON DRAWINGS. REFER TO ELEVATION DRAWINGS FOR EXTERIOR CONTROL JOINT LOCATIONS. REVIEW CJ LOCATIONS WITH CONTRACTING OFFICER PRIOR TO INSTALLATION.
19. ISOLATE NON-BEARING PARTITIONS FROM THE BUILDING STRUCTURE TO PREVENT TRANSFER OF BUILDING LOADS FROM THE STRUCTURE TO THE PARTITIONS.
20. REFER TO GEO HYDRO ENGINEERS REPORT OF PRE-DEMOLITION ASBESTOS SURVEY AND LEAD-BASED PAINT SCREEN, DATED MARCH 20, 2020 AND INCLUDES THE IDENTIFICATION OF PRE-DEMOLITION ASBESTOS AND LEAD-BASED PAINT OF THE EXISTING MILITARY WORKING DOG KENNEL, BUILDING 1030.
21. ABESTOS FOUND WITHIN THE BLACK MASTIC COLLECTED FROM BEHIND THE DRYWALL IN THE VETERINARY OFFICE LARGE PATIENT ROOM IN THE EXISTING FACILITY. TO BE ADDRESSED IN ACCORDANCE WITH SPEC SECTION 02 82 00.
22. LEAD PAINT FOUND ON THE INTERIOR WHITE PAINT OF A WINDOW. TO BE ADDRESSED IN ACCORDANCE WITH SPEC 02 83 00.
23. UNFORESEEN HAZARDOUS MATERIALS ENCOUNTERED TO BE HANDLED IN ACCORDANCE WITH APPLICABLE FEDERAL AND STATE REGULATIONS.
24. REFER TO CIVIL DWGS FOR LOCATION OF THE EXISTING FACILITY TO BE DEMOLISHED. REFER TO RESOURCE DRAWINGS FOR DETAILED PLANS OF EXISTING FACILITY.

COMMONWEALTH OF VIRGINIA
ERIK VELAZQUEZ
Lic. No.016157
1/21/2026
ARCHITECT

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

DESIGN BY:	C. TOSLOSKIE
DRAWN BY:	C. TOSLOSKIE
CHECKED BY:	E. VELAZQUEZ
SUBMITTED BY:	E. VELAZQUEZ
SIZE:	ANSI D
ISSUE DATE:	JANUARY 2026
SOLICITATION NO.:	W912HN-26-B-A003
CONTRACT NO.:	
CATEGORY CODE:	141-001-001
FILE NAME:	189618 A_CENTRAL

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

ARCHITECTURAL LEGEND AND ABBREVIATIONS

SHEET ID
A-001

READY TO ADVERTISE (RTA)

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AIR BARRIER SUMMARY

ALLOWABLE LEAKAGE RATE (ALR : 0.25 CFM/SF)

FLOOR AREA = 7,896 SF
WALL AREA = 7,413 SF
ROOF AREA = 8,953 SF

TOTAL AREA = 24,262 SF
TOTAL ALR = 6,066 CFM

WORK NOTES

AIR BARRIER COMPONENTS:

1. CONCRETE SLAB SERVES AS AIR BARRIER
2. UNDERLAYMENT BENEATH METAL ROOF PANELS
3. FLUID APPLIED AIR BARRIER
4. AIR BARRIER COMPLIANT POLYURETHANE SPRAY FOAM FILL BETWEEN VERTICAL AND HORIZONTAL SYSTEM TRANSITIONS WHERE SELF ADHERED AIR BARRIER MEMBRANE IS NOT POSSIBLE

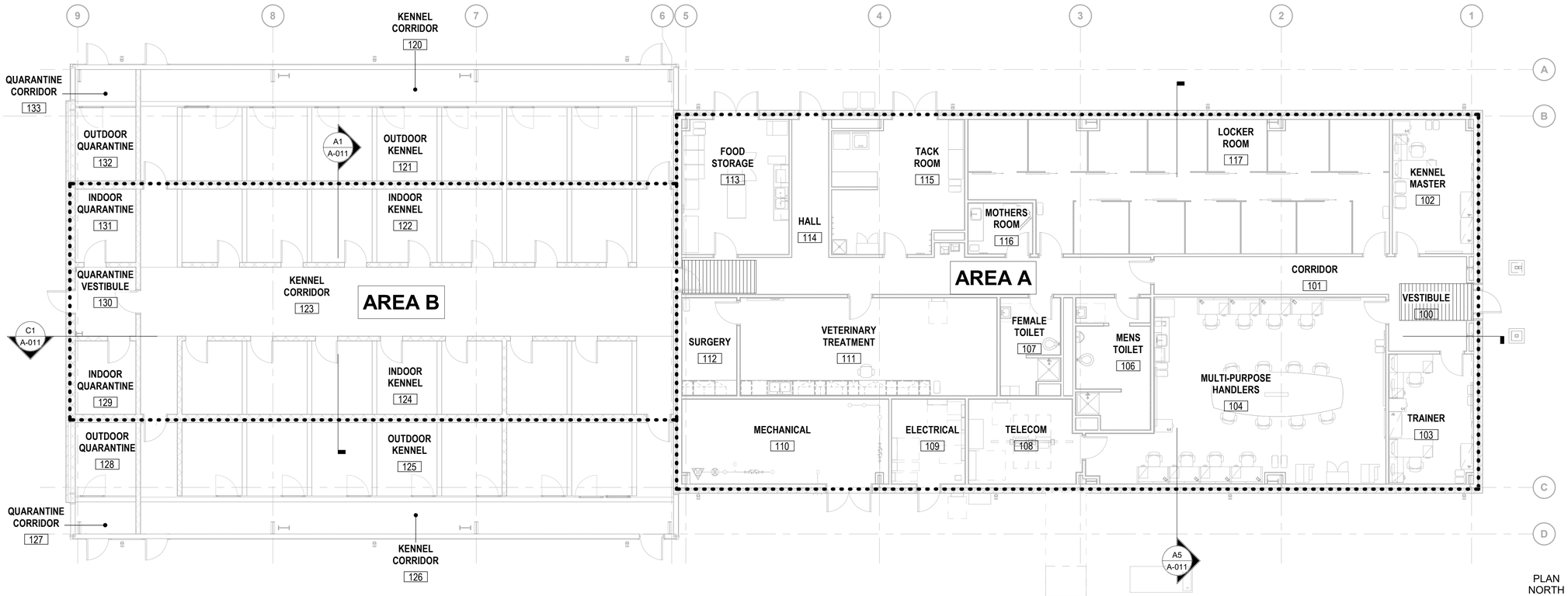
LEGEND

XXX — ROOM NUMBER

•••••• — CONTINUOUS AIR BARRIER BOUNDARY

GENERAL NOTES

1. SEE SPECIFICATION 07 05 23 FOR PRESSURE TESTING AN AIR BARRIER SYSTEM FOR AIR TIGHTNESS, AND SPECIFICATION 07 27 10.00 10 FOR AIR BARRIER SYSTEM AND REQUIREMENTS.
2. REFERENCE WALL SECTIONS AND DETAILS FOR CONTINUOUS AIR BARRIER.
3. ROOF AIR BARRIER IS UNDERLAYMENT OVER GYPSUM SHEATHING.
4. FIELD VERIFY AIR BARRIER AREA
5. SEAL PENETRATIONS AT EACH ZONE BOUNDARY FOR AIR TIGHTNESS.
6. BUILDING SERVICE ELEMENTS AT AIR BARRIER ZONE BOUNDARY MUST BE SEALED FOR AIR TIGHTNESS.
7. PROVIDE CONTINUOUS BUILDING ENVELOPE INCLUDING THERMAL, MOISTURE, AND AIR BARRIERS AROUND EACH FACILITY.



A1 AIR BARRIER - FLOOR PLAN
1/8" = 1'-0"

PLAN NORTH

0 4' 8' 16'

COMMONWEALTH OF VIRGINIA
ERIK VELAZQUEZ
Lic. No.016157
1/21/2026
ARCHITECT

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-001
FILE NAME: 189618 A_CENTRAL

DESIGN BY: C. TOSLOSKIE
DRAWN BY: C. TOSLOSKIE
CHECKED BY: E. VELAZQUEZ
SUBMITTED BY: E. VELAZQUEZ
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FY25, PN 69262

MWD FACILITY - AIR BARRIER PLAN

SHEET ID
A-010

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AIR BARRIER SUMMARY

ALLOWABLE LEAKAGE RATE (ALR : 0.25 CFM/SF)

FLOOR AREA = 7,896 SF
WALL AREA = 7,413 SF
ROOF AREA = 8,953 SF

TOTAL AREA = 24,262 SF
TOTAL ALR = 6,066 CFM

WORK NOTES

AIR BARRIER COMPONENTS:

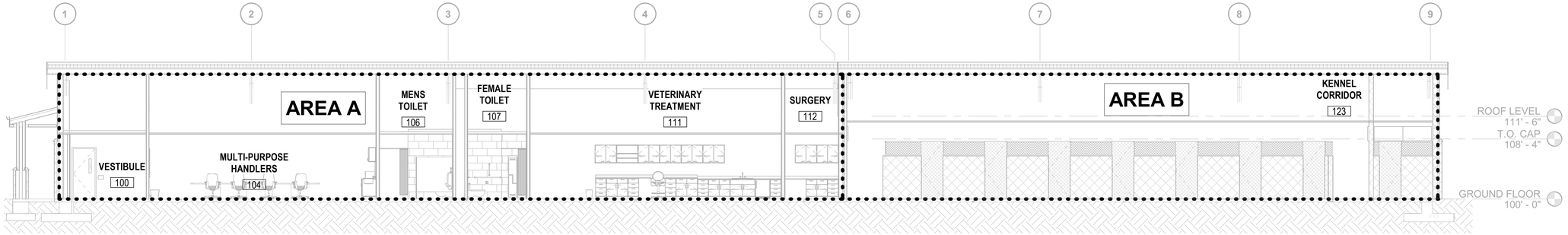
1. CONCRETE SLAB SERVES AS AIR BARRIER
2. UNDERLAYMENT BENEATH METAL ROOF PANELS
3. FLUID APPLIED AIR BARRIER
4. AIR BARRIER COMPLIANT POLYURETHANE SPRAY FOAM FILL BETWEEN VERTICAL AND HORIZONTAL SYSTEM TRANSITIONS WHERE SELF ADHERED AIR BARRIER MEMBRANE IS NOT POSSIBLE

LEGEND

XXX	ROOM NUMBER
• • • • • •	CONTINUOUS AIR BARRIER BOUNDARY

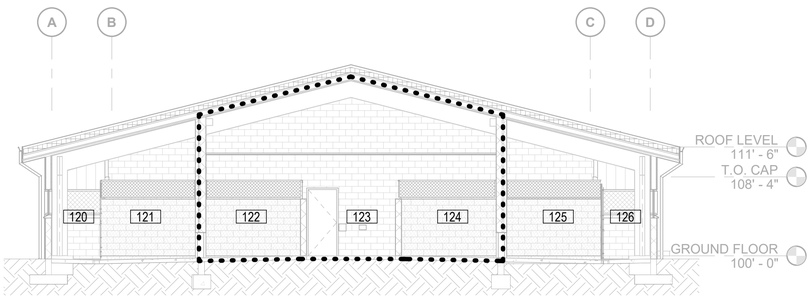
GENERAL NOTES

1. SEE SPECIFICATION 07 05 23 FOR PRESSURE TESTING AN AIR BARRIER SYSTEM FOR AIR TIGHTNESS, AND SPECIFICATION 07 27 10.00 10 FOR AIR BARRIER SYSTEM AND REQUIREMENTS.
2. REFERENCE WALL SECTIONS AND DETAILS FOR CONTINUOUS AIR BARRIER.
3. ROOF AIR BARRIER IS UNDERLAYMENT OVER GYPSUM SHEATHING.
4. FIELD VERIFY AIR BARRIER AREA
5. SEAL PENETRATIONS AT EACH ZONE BOUNDARY FOR AIR TIGHTNESS.
6. BUILDING SERVICE ELEMENTS AT AIR BARRIER ZONE BOUNDARY MUST BE SEALED FOR AIR TIGHTNESS.
7. PROVIDE CONTINUOUS BUILDING ENVELOPE INCLUDING THERMAL, MOISTURE, AND AIR BARRIERS AROUND EACH FACILITY.



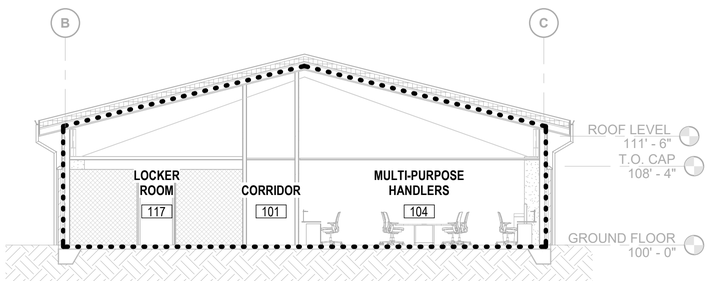
C1 AIR BARRIER - SECTION
1/8" = 1'-0"

0 4' 8' 16'



A1 AIR BARRIER - SECTION
1/8" = 1'-0"

0 4' 8' 16'



A5 AIR BARRIER - SECTION
1/8" = 1'-0"

0 4' 8' 16'

COMMONWEALTH OF VIRGINIA
ERIK VELAZQUEZ
Lic. No.016157
1/21/2026
ARCHITECT

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-001
FILE NAME: 189618 A_CENTRAL

DESIGN BY: C. TOSLOSKIE
DRAWN BY: C. TOSLOSKIE
CHECKED BY: E. VELAZQUEZ
SUBMITTED BY: E. VELAZQUEZ
SIZE: ANSI D

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FY25, PN 69262

MWD FACILITY - AIR BARRIER SECTIONS

SHEET ID
A-011

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LEGEND

FE:SR — EXTINGUISHER TYPE / EXTINGUISHER MOUNTING

- FE: FIRE EXTINGUISHER
- SR: SEMI-RECESSED CABINET
- BR: BRACKET-MOUNTED

A:B:C TYPE DRY CHEMICAL 4A-20B:C

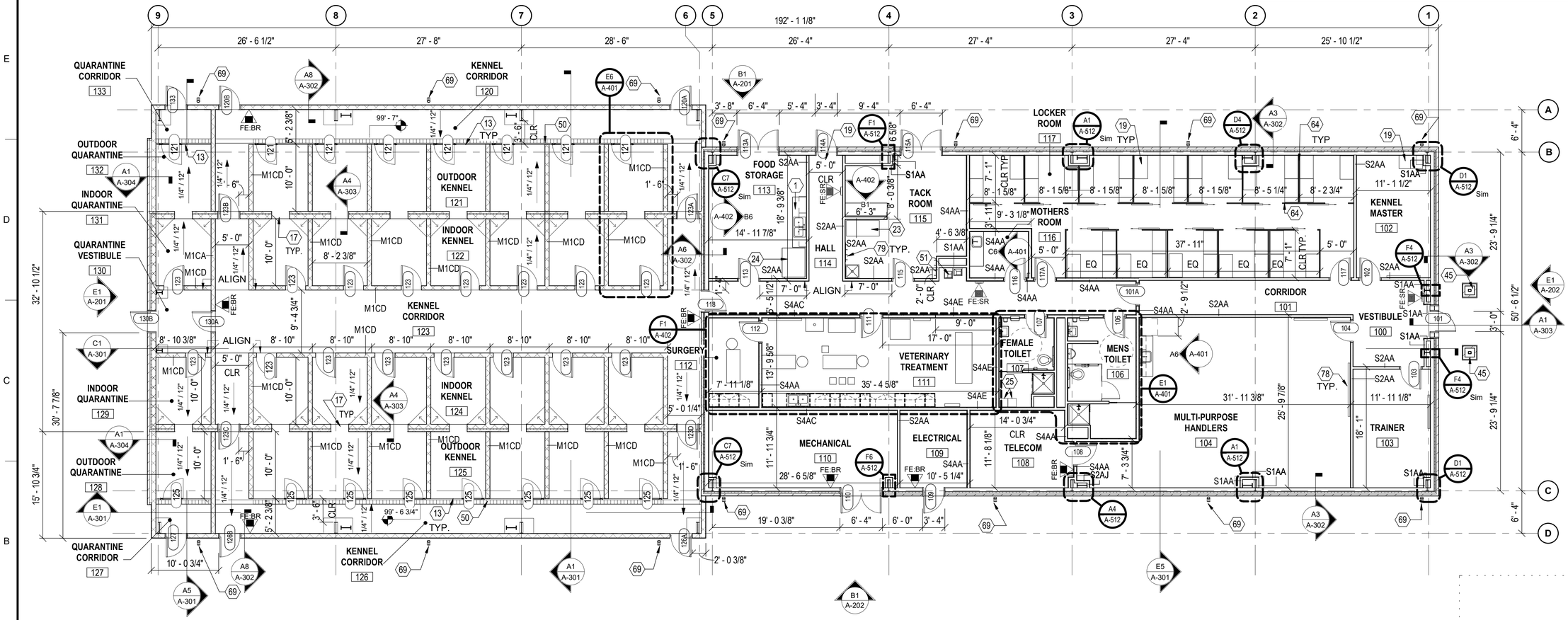
*SEE F6/A-571 FOR SEMI-RECESSED FIRE EXTINGUISHER CABINET DETAILS

SHEET KEYNOTES

1	STAINLESS STEEL CABINETS W/ STAINLESS STEEL COUNTERTOP AND BACKSPLASH
13	STAINLESS STEEL WIRE MESH PARTITION; SEE A-501 PARTITION TYPE W1AC
17	ALUMINUM FACED INSULATED GUILLOTINE DOOR, OPENING FOR SURFACE MOUNTED GUILLOTINE DOOR IS A MINIMUM 32" W X 32" H
19	TA-50 LOCKER, TYP. 24"D X 42"W X 96"H
23	ANIMAL BATH W/ PULL-OUT RAMP
24	DISHWASHER (POT, PAN & CONTAINER WASHER)
25	2-TIER, Z-STYLE LOCKERS (HDPE)
45	EXTERIOR COLUMN W/ BRICK VENEER AT BASE 4 FEET ABOVE GRADE; RE: A-571 FOR COLUMN DETAILS
50	TRENCH DRAIN W/STEEL GRATING; RE: MECH DWGS
51	HI/LOW ELECTRIC WATER COOLER
64	PREFABRICATED WIRE MESH PARTITION SURROUND FOR TA-50 LOCKER UNITS W/SLIDING DOOR; RE: A-501 PARTITION TYPE W1AB
69	PREFINISHED METAL DOWNSPOUT DISCHARGES TO UNDERGROUND SYSTEM BELOW; RE: CIVIL DRAWINGS
78	MARKERBOARD: SEE SHEET A-601 AND A-701 FOR ADDITIONAL INFORMATION
79	COAT HOOK: SEE SHEET A-601 AND A-701 FOR ADDITIONAL INFORMATION

GENERAL FLOOR PLAN NOTES:

1. FOR ARCHITECTURAL GENERAL NOTES, MATERIAL LEGEND, AND ABBREVIATIONS REFER TO SHEET A-001.
2. REFERENCE SHEET A-501 FOR PARTITION TYPES INCLUDING FIRE RATED PARTITIONS. FIRE RATED WALLS AND SMOKE PARTITIONS ARE CONTINUOUS ACROSS DOOR OPENINGS.
3. FOR PARTITION TYPES CONSTRUCTION AND DESCRIPTION REFER TO PARTITION TYPES SHEET A-501.
4. FOR DIMENSIONS OR ADDITIONAL INFORMATION NOT ILLUSTRATED, REFER TO LARGER SCALE DRAWINGS.
5. DOOR LOCATIONS NOT DIMENSIONED ARE 4 INCHES FROM FACE OF GYPSUM BOARD FINISH WALL TO OUTSIDE EDGE OF DOOR FRAME.
6. COORDINATE AND PROVIDE MILLWORK TRIM AND INFILL PANELS AT UNDERCOUNTER / CABINET LOCATIONS.
7. REFER TO FINISH SCHEDULE AND FINISH PLANS FOR ADDITIONAL FINISH INFORMATION.
8. REFERENCE CIVIL DRAWINGS FOR EXTERIOR BOLLARD AND DOWNSPOUT DISCHARGE DETAILS.
9. REFERENCE THE REFLECTED CEILING PLANS FOR CEILING HEIGHTS.
10. DIMENSIONS ARE FROM: COLUMN GRID LINE, FACE OF CMU WALL, AND FACE OF METAL STUD, UNLESS NOTED OTHERWISE.
11. THE FIRST FLOOR FINISHED FLOOR ELEVATION IS 100'-0" UNLESS NOTED OTHERWISE. REFERENCE CIVIL DRAWINGS FOR ACTUAL FINISHED FLOOR ELEVATION.
12. REFERENCE FURNITURE PLANS FOR LOCATIONS OF WALL ACCESSORIES AND VISUAL DISPLAY EQUIPMENT. PROVIDE BLOCKING AS REQUIRED
13. CONTROL JOINTS FOR INTERIOR PARTITIONS SHOULD BE SPACED NO MORE THAN 25' MAX APART.
14. SEALANT MUST BE ADDED AT ALL JOINTS WITHIN THE INDOOR AND OUTDOOR KENNEL AREAS OF THE MWD FACILITY TO ACCOMMODATE WASHDOWN CONDITIONS



A1 FLOOR PLAN - MWD KENNEL
1/8" = 1'-0"

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-401
DESIGN BY: C. TOSLOSKIE
DRAWN BY: C. TOSLOSKIE
CHECKED BY: E. VELAZQUEZ
SUBMITTED BY: E. VELAZQUEZ
SIZE: ANSI D
FILE NAME: 139618 A_CENTRAL

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MWD FACILITY - FLOOR PLAN

COMMONWEALTH OF VIRGINIA
ERIK VELAZQUEZ
Lic. No.016157
1/21/2026
ARCHITECT

SHEET ID
A-101

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ROOF CALCULATIONS

ROOF AREA	SLOPE	AREA (SF)	PITCH FACTOR (SMACNA TABLE 1-1)	DOWNSPOUT QTY	DS AREA/280 PER 100 YR	MINIMUM DOWNSPOUT DIMENSION (SMACNA TABLE 1-3)	DS PROVIDED	RAINFALL INTENSITY	IA	GUTTER LENGTH (FT)	MINIMUM GUTTER DIMENSION (SMACNA CHART 1-1)	PROVIDED GUTTER WIDTH X DEPTH (IN)
ADMIN	3"/12"	6,145	1.00	8	2.7	1.75 x 2.25	5 x 5	4.3	3,303	34' - 8"	4 x 4	5 x 5
KENNEL	3"/12"	5,872	1.00	6	1.2	1.75 x 2.25	5 x 5	4.3	4,072	34' - 8"	4 x 4	5 x 5
CANOPY	3"/12"	85	1.00	1	0.3	1.75 x 2.25	5 x 5	4.3	366	12' - 4"	3 x 3	5 x 5

SHEET KEYNOTES

31	PREFINISHED METAL FASCIA
67	PREFINISHED STANDING SEAM METAL ROOF
68	PREFINISHED METAL GUTTER
69	PREFINISHED METAL DOWNSPOUT DISCHARGES TO UNDERGROUND SYSTEM BELOW; RE: CIVIL DRAWINGS
70	VENT PIPE PENTRATION; RE: PENETRATION DETAILS A-551
72	EXHAUST FAN PENETRATION; RE: PENETRATION DETAILS A-551

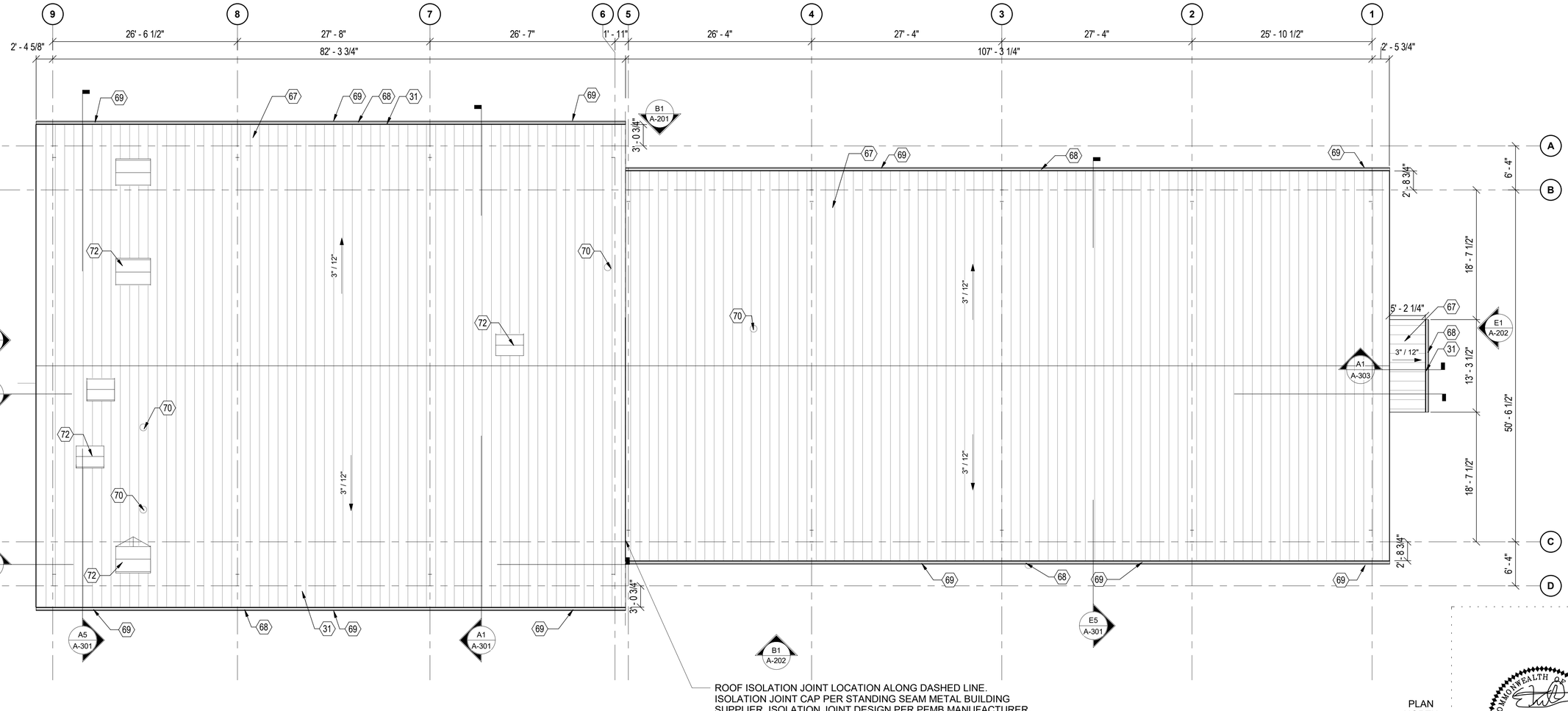
GENERAL ROOF PLAN NOTES:

1. DOWNSPOUTS ARE CONNECTED TO UNDERGROUND STORM WATER PIPES. REFERENCE CIVIL DRAWINGS FOR DOWNSPOUT BOOT DETAILS.
2. DESIGN GUTTER, GUTTER BRACKET, GUTTER STRAP, DOWNSPOUT, AND CONDUCTOR TO MEET SMACNA ARCHITECTURAL SHEET METAL MANUAL REQUIREMENTS.
3. COORDINATE ROOF PENETRATIONS WITH MECHANICAL AND ELECTRICAL DRAWINGS AS REQUIRED.
4. ROOF DECK AND STRUCTURE SLOPED TO ACCOMPLISH ROOF SLOPE(S) AS INDICATED BY THE METAL BUILDING SUPPLIER. SEE STRUCTURAL DRAWINGS FOR ASSOCIATED DETAILS.
5. PAINT ROOF PENETRATIONS IN STANDING SEAM METAL ROOF TO MATCH ROOF COLOR. PENETRATIONS MUST OCCUR IN THE CENTER OF THE ROOF SHEET.
6. COORDINATE ROOF CURB DIMENSIONS WITH MECHANICAL SUB-CONTRACTOR AND/OR EQUIPMENT MANUFACTURER.
7. TAPERED ROOF INSULATION SLOPE MUST BE 1/2" PER FOOT MINIMUM.

LEGEND:

DIRECTION OF DOWNWARD SLOPE

STANDING SEAM METAL ROOF - COLOR: TERRACOTTA RED



A1 ROOF PLAN - MWD KENNEL
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US Army Corps of Engineers ®

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DRAWN BY: C. TOSLOSKIE
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SIZE: ANSI D

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER army AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY'25, PN 69262

MWD FACILITY - ROOF PLAN

COMMONWEALTH OF VIRGINIA
ERIK VELAZQUEZ
Lic. No.016157
1/21/2026
ARCHITECT

SHEET ID
A-102

READY TO ADVERTISE (RTA)

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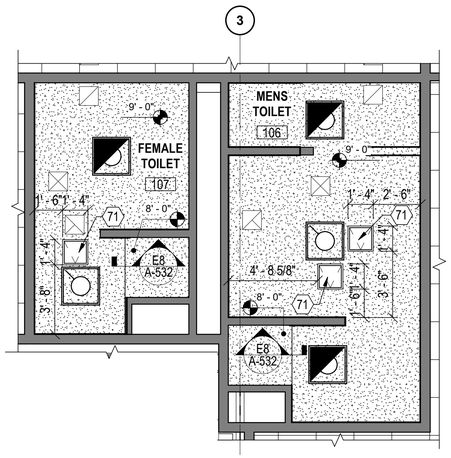


E1 ENLARGED REFLECTED CEILING PLAN - MWD KENNEL

1/4" = 1'-0"

0 2' 4' 8'

CEILING LEGEND:

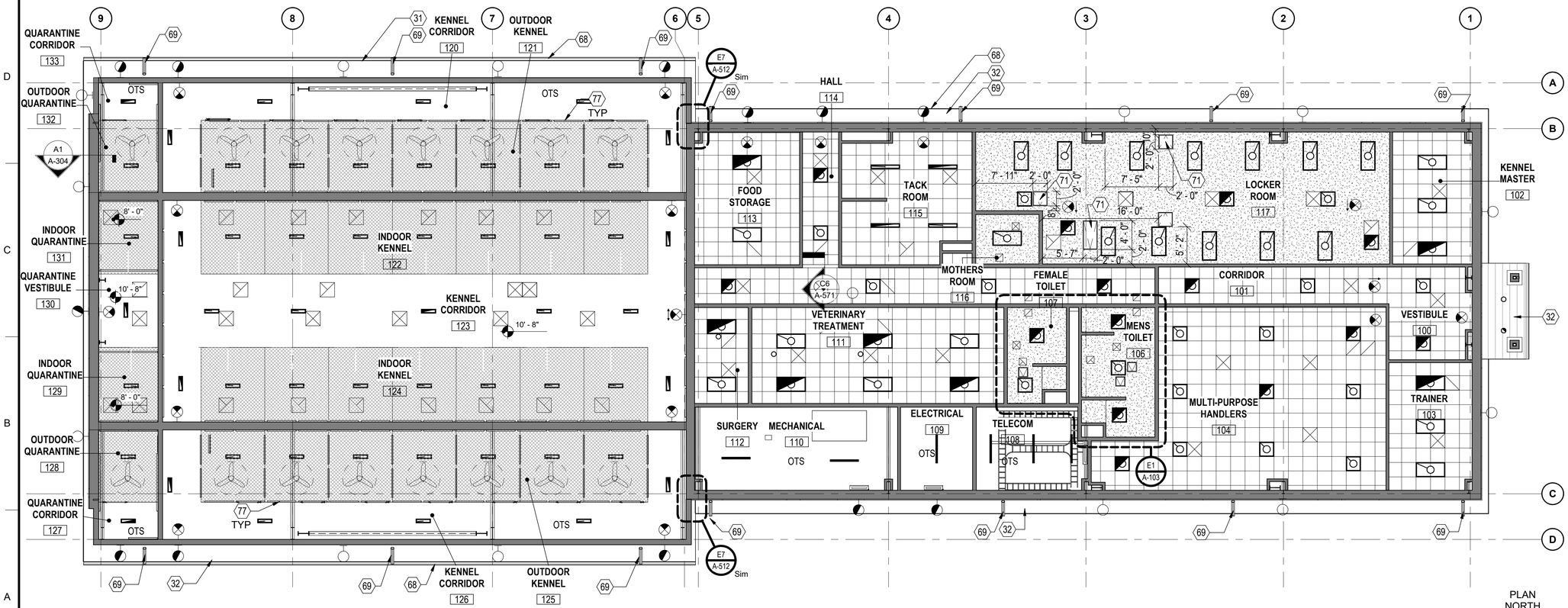
	EXPOSED TO STRUCTURE ABOVE	OTS	OPEN TO STRUCTURE
	2' x 2' ACOUSTICAL CEILING TILE	10' - 0"	CEILING HEIGHT ABOVE FINISH FLOOR
	GYPSUM BOARD - PAINT		HVAC AIR SUPPLY DIFFUSER
	2' x 2' PERFORATED ACOUSTICAL METAL CEILING PANELS W/ ACOUSTICAL INSULATION		HVAC LINEAR AIR SUPPLY DIFFUSER
	STAINLESS STEEL WIRE MESH KENNEL CEILING BELOW METAL CEILING PANELS @ 8' A.F.F		HVAC EXHAUST OR RETURN DIFFUSER
	2' x 4' LED EMERGENCY FIXTURE - RECESSED		EXTERIOR FIXTURE
	2' x 4' LED FIXTURE - RECESSED		EXIT SIGN
	4' LED EMERGENCY STRIP FIXTURE; RE: ELEC DRAWINGS FOR FIXTURE SCHEDULE		CABLE TRAY
	4' LED STRIP FIXTURE; RE: ELEC DRAWINGS FOR FIXTURE SCHEDULE		ACOUSTICAL PANEL - CEILING HUNG OR WALL MOUNTED PER LOCATION
	SUSPENDED CEILING FAN, RE: MECH DWGS		ACCESS PANEL
	4' LED SUSPENDED EMERGENCY STRIP FIXTURE		

GENERAL REFLECTED CEILING PLAN NOTES:

1. FOR ARCHITECTURAL GENERAL NOTES, MATERIAL LEGEND, AND ABBREVIATIONS REFER TO SHEET A-001.
2. ARCHITECTURAL CEILING PLANS INDICATE DIMENSIONING AND PLACEMENT OF VARIOUS CEILING MOUNTED DEVICES. REFER TO MEP DRAWINGS AND SPECIFICATIONS FOR OTHER INFORMATION FOR MEP SYSTEMS INCLUDING BUT NOT LIMITED TO FIRE SUPPRESSION, FIRE ALARM DEVICES, SECURITY DEVICES, EXIT DEVICES, DIFFUSERS, LIGHTING, LIGHTING CONTROL DEVICES, AND ACCESS PANELS.
3. CEILINGS ARE 9'-0" UNO. CEILING HEIGHTS ARE SHOWN TO HEIGHT ABOVE FINISH FLOOR.
4. CEILING GRIDS TO BE CENTERED IN ROOMS UNLESS NOTED OTHERWISE.
5. LIGHTS, SPEAKERS, SPRINKLERS, SIGNAGE, STROBES AND OTHER HARDWARE INSTALLED IN TILED CEILING SYSTEMS TO BE CENTERED IN TILES IN BOTH DIRECTIONS UNLESS NOTED OTHERWISE.
6. ALIGN CEILING MOUNTED DEVICES.
7. REFERENCE ROOM FINISH SCHEDULE FOR ADDITIONAL CEILING FINISH INFORMATION.
8. CENTER CEILING MOUNTED EXIT SIGNS WITHIN DOOR FRAME OR OPENING. MOUNT 4" OFF FACE OF WALL.
9. ALIGN SPRINKLERS, JUNCTION BOXES & SMOKE DETECTORS WITH ADJACENT LIGHT FIXTURES, UNLESS NOTED OTHERWISE.
10. COORDINATE LOCATIONS OF CEILING ACCESS PANELS WITH THE FINAL LOCATIONS OF MECHANICAL EQUIPMENT AS REQUIRED TO SERVICE EQUIPMENT AND TO PROVIDE ACCESS TO ABOVE CEILING EQUIPMENT.
11. AT CONTINUOUS RUNS OF GYPSUM BOARD ASSEMBLIES, PROVIDE CONTROL JOINTS AT A MAXIMUM OF (1) PER 50 FEET, NOT TO EXCEED INDIVIDUAL AREAS OF 2,500 SQUARE FEET.
12. USE MOISTURE RESISTANT GYPSUM BOARD FOR SOFFITS AND CEILINGS OF RESTROOMS, LOCKER ROOMS, SHOWERS AND OTHER WET AREAS.

SHEET KEYNOTES

#	
31	PREFINISHED METAL FASCIA
32	PREFINISHED METAL SOFFIT
68	PREFINISHED METAL GUTTER
69	PREFINISHED METAL DOWNSPOUT DISCHARGES TO UNDERGROUND SYSTEM BELOW; RE: CIVIL DRAWINGS
71	CEILING ACCESS PANEL; RE: A-571
77	ACOUSTICAL PANEL (AP-1): SEE SHEET A-601 FOR ADDITIONAL INFORMATION



A1 REFLECTED CEILING PLAN - MWD KENNEL

1/8" = 1'-0"

0 4' 8' 16'

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-01
FILE NAME: 139618 A_CENTRAL
DESIGN BY: C. TOSLOSKIE
DRAWN BY: C. TOSLOSKIE
CHECKED BY: E. VELAZQUEZ
SUBMITTED BY: E. VELAZQUEZ
SIZE: ANSI D

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MWD FACILITY - REFLECTED CEILING PLAN

COMMONWEALTH OF VIRGINIA
ERIK VELAZQUEZ
Lic. No.016157
1/21/2026
ARCHITECT

SHEET ID
A-103

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ROOF DRAINAGE CALCULATIONS

ROOF AREA	BREAK AREA	STORAGE	ROOF AREA	BREAK AREA	STORAGE
SLOPE	3"/12"	3"/12"	DS PROVIDED	5 x 5	5 x 5
AREA (SF)	2,135	529	RAINFALL INTENSITY	4.3	4.3
PITCH FACTOR (SMACNA TABLE 1-1)	1.00	1.00	IA	1,530	2,275
DOWNSPOUT QTY	6	1	GUTTER LENGTH (FT)	34' - 7"	23'
DS AREA/280 PER 100 YR	1.27	1.8	PROVIDED GUTTER WIDTH X DEPTH (IN)	5 x 5	5 x 5
MINIMUM DOWNSPOUT DIMENSION (SMACNA TABLE 1-3)	1.75 x 2.25	1.75 x 2.25	MINIMUM GUTTER DIMENSION (SMACNA CHAT 1-1)	4 x 4	4 x 4

(#) SHEET KEYNOTES

31 PREFINISHED METAL FASCIA
32 PREFINISHED METAL SOFFIT
67 PREFINISHED STANDING SEAM METAL ROOF
68 PREFINISHED METAL GUTTER
69 PREFINISHED METAL DOWNSPOUT DISCHARGES TO UNDERGROUND SYSTEM BELOW; RE: CIVIL DRAWINGS

GENERAL ROOF PLAN NOTES:

1. DOWNSPOUTS ARE CONNECTED TO UNDERGROUND STORM WATER PIPES. REFERENCE CIVIL DRAWINGS FOR DOWNSPOUT BOOT DETAILS AND DISCHARGE DETAILS.
2. DESIGN GUTTER, GUTTER BRACKET, GUTTER STRAP, DOWNSPOUT, AND CONDUCTOR TO MEET SMACNA - ARCHITECTURAL SHEET METAL MANUAL REQUIREMENTS.
3. COORDINATE ROOF PENETRATIONS WITH MECHANICAL AND ELECTRICAL DRAWINGS AS REQUIRED.
4. ROOF DECK AND STRUCTURE SLOPED TO ACCOMPLISH ROOF SLOPE(S) AS INDICATED PER THE METAL BUILDING SUPPLIER. SEE STRUCTURAL DRAWINGS FOR ASSOCIATED DETAILS.
5. PAINT ROOF PENETRATIONS IN STANDING SEAM METAL ROOF TO MATCH ROOF COLOR AND INSTALL IN THE CENTER OF THE ROOF SHEET.
6. COORDINATE ROOF CURB DIMENSIONS WITH MECHANICAL SUB-CONTRACTOR AND/OR EQUIPMENT MANUFACTURER.
7. REFERENCE CIVIL DRAWINGS FOR FINISHED FLOOR ELEVATIONS.

GENERAL FLOOR PLAN NOTES:

1. FOR ARCHITECTURAL GENERAL NOTES, MATERIAL LEGEND, AND ABBREVIATIONS REFER TO SHEET A-001.
2. REFERENCE LIFE SAFETY DRAWINGS FOR FIRE RATED WALL LOCATIONS. FIRE RATED WALLS AND SMOKE PARTITIONS ARE CONTINUOUS ACROSS DOOR OPENINGS.
3. FOR PARTITION TYPES CONSTRUCTION AND DESCRIPTION REFER TO PARTITION TYPES SHEET A-501.
4. FOR DIMENSIONS OR ADDITIONAL INFORMATION NOT ILLUSTRATED, REFER TO LARGER SCALE DRAWINGS.
5. DOOR LOCATIONS NOT DIMENSIONED ARE 4 INCHES FROM FACE OF GYPSUM BOARD FINISH WALL TO OUTSIDE EDGE OF DOOR FRAME.
6. COORDINATE AND PROVIDE MILLWORK TRIM AND INFILL PANELS AT UNDERCOUNTER / CABINET LOCATIONS.
7. REFER TO FINISH SCHEDULE AND FINISH PLANS FOR ADDITIONAL FINISH INFORMATION.
8. REFERENCE CIVIL DRAWINGS FOR EXTERIOR BOLLARD AND SPLASH BLOCK DETAILS.
9. REFERENCE THE REFLECTED CEILING PLANS FOR CEILING HEIGHTS.
10. DIMENSIONS ARE FROM: COLUMN GRID LINE, FACE OF CMU WALL, AND FACE OF METAL STUD, UNLESS NOTED OTHERWISE.
11. THE FIRST FLOOR FINISHED FLOOR ELEVATION IS 100'-0" UNLESS NOTED OTHERWISE.
12. REFERENCE FURNITURE PLANS FOR LOCATIONS OF WALL ACCESSORIES AND VISUAL DISPLAY EQUIPMENT. PROVIDE BLOCKING AS REQUIRED
13. CONTROL JOINTS FOR INTERIOR PARTITIONS SHOULD BE SPACED NO MORE THAN 25' MAX APART.

GENERAL REFLECTED CEILING PLAN NOTES:

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2. ARCHITECTURAL CEILING PLANS INDICATE DIMENSIONING AND PLACEMENT OF VARIOUS CEILING MOUNTED DEVICES. REFER TO MEP DRAWINGS AND SPECIFICATIONS FOR OTHER INFORMATION FOR MEP SYSTEMS INCLUDING BUT NOT LIMITED TO FIRE SUPPRESSION, FIRE ALARM DEVICES, SECURITY DEVICES, EXIT DEVICES, DIFFUSERS, LIGHTING, LIGHTING CONTROL DEVICES, AND ACCESS PANELS.
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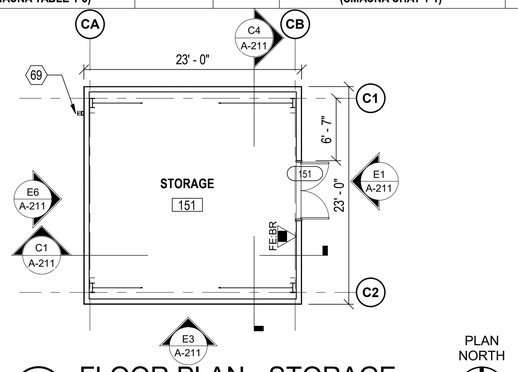
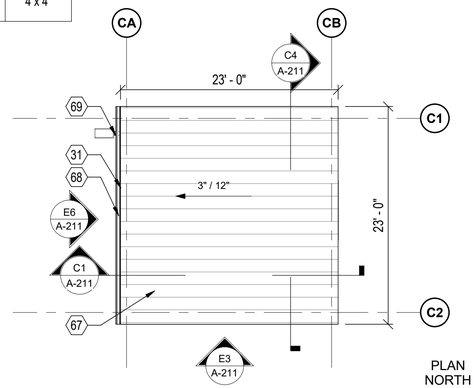
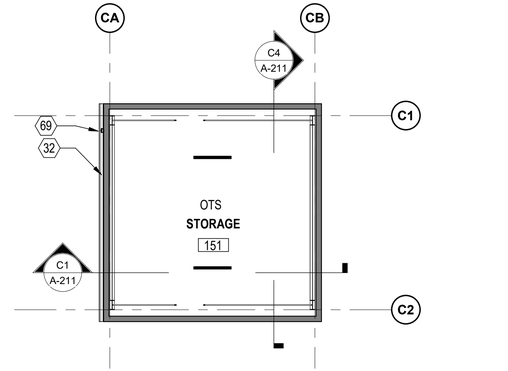


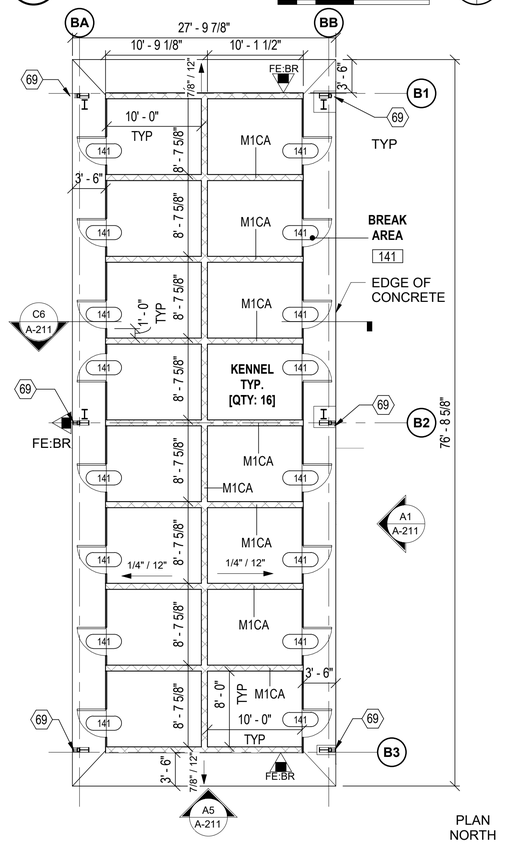
E1 FLOOR PLAN - STORAGE
1/8" = 1'-0"



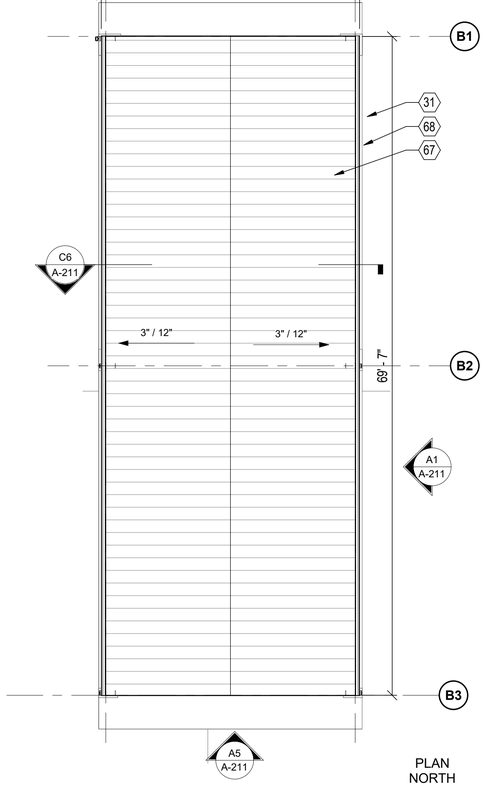
E3 ROOF PLAN - STORAGE
1/8" = 1'-0"



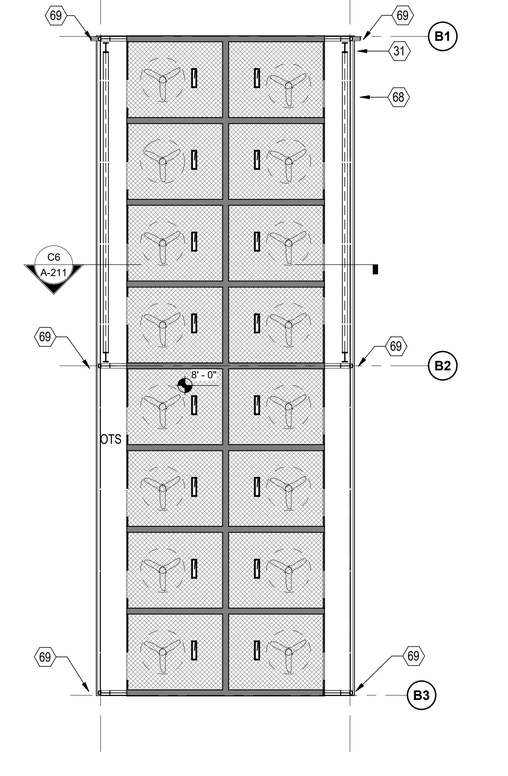
E6 REFLECTED CEILING PLAN - STORAGE
1/8" = 1'-0"



A1 FLOOR PLAN - BREAK AREA
1/8" = 1'-0"



A3 ROOF PLAN - BREAK AREA
1/8" = 1'-0"



A6 REFLECTED CEILING PLAN - BREAK AREA
1/8" = 1'-0"

CEILING LEGEND:

	EXPOSED TO STRUCTURE ABOVE	OTS	OPEN TO STRUCTURE
	GALVANIZED WIRE MESH PARTITION 8' A.F.F.		SUSPENDED LED LIGHT FIXTURE, RE: ELEC DWGS
10' - 0"	CEILING HEIGHT ABOVE FINISH FLOOR		SUSPENDED CEILING FAN, RE: MECH DWGS
	EXTERIOR FIXTURE		

LEGEND:

DIRECTION OF DOWNWARD SLOPE

STANDING SEAM METAL ROOF - COLOR : TERRACOTTA RED

EXTINGUISHER TYPE
FE:SR EXTINGUISHER MOUNTING
A:B:C TYPE DRY CHEMICAL 4A-20B:C

- FE: FIRE EXTINGUISHER
- SR: SEMI-RECESSED CABINET
- BR: BRACKET-MOUNTED

COMMONWEALTH OF VIRGINIA
ERIK VELAZQUEZ
Lic. No.016157
1/21/2026
ARCHITECT

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-001
DESIGN BY: C. TOSLOSKIE
DRAWN BY: C. TOSLOSKIE
CHECKED BY: E. VELAZQUEZ
SUBMITTED BY: E. VELAZQUEZ
SIZE: ANSI D
FILE NAME: 189618 A_CENTRAL

U.S. ARMY CORPS OF ENGINEERS
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100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER army AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

MWD BREAK AREA & STORAGE -
FLOOR/ROOF/REFLECTED CEILING PLAN

SHEET ID
A-111

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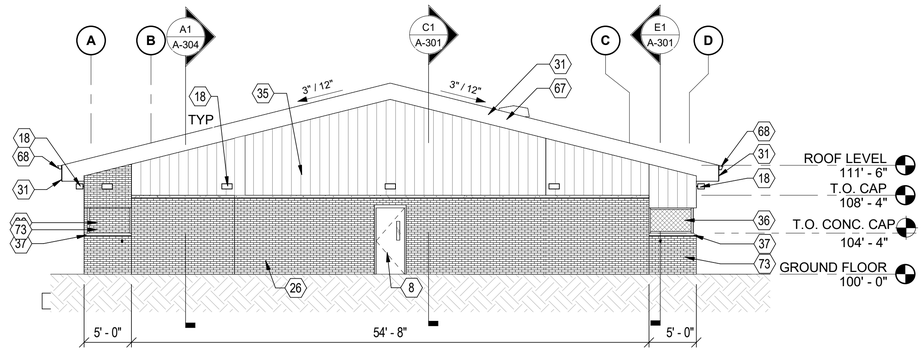
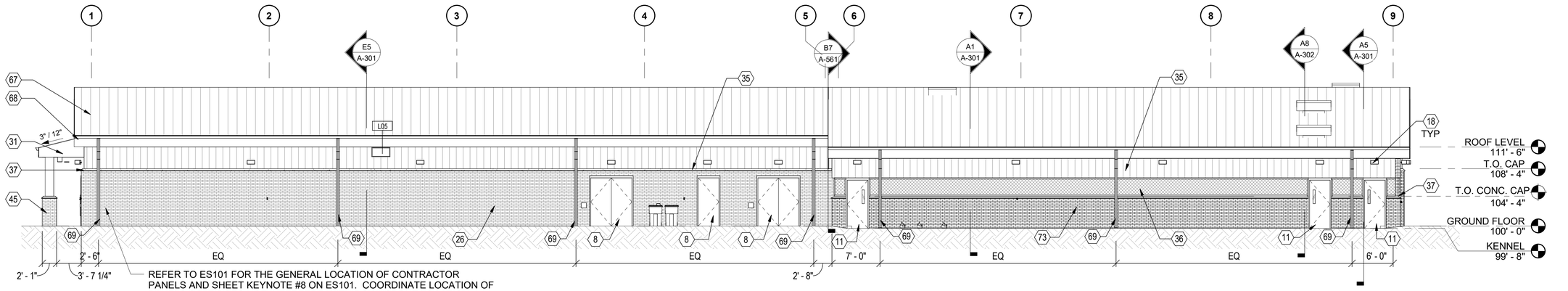


E1 MWD KENNEL - WEST ELEVATION

1/8" = 1'-0"

0 4' 8' 16'



B1 MWD KENNEL - NORTH ELEVATION

1/8" = 1'-0"

0 4' 8' 16'

EXTERIOR MATERIAL LEGEND

	PREFINISHED EXTERIOR INSULATED METAL PANELS - COLOR: DUTCH GRAY
	PREFINISHED STANDING SEAM METAL ROOF - COLOR: TERRACOTTA RED
	BRICK VENEER - COLOR: SUNGLO VELOUR; GROUT: ALMOND
	PREFABRICATED GALVANIZED WIRE MESH PARTITION
SOFFIT/TRIM/ GUTTERS & DOWNSPOUTS	PREFINISHED METAL; COLOR: WHITE

*NOTE: REFER TO SPECIFICATIONS FOR RGB VALUES OF FINISHES MENTIONED ABOVE PER BASE INSTALLATION STANDARDS

(#) SHEET KEYNOTES

8	INSULATED HOLLOW METAL DOOR
11	HOLLOW METAL DOOR
18	EXTERIOR LIGHT FIXTURE; RE: ELECTRICAL DWGS
26	4" BRICK VENEER
31	PREFINISHED METAL FASCIA
35	PREFINISHED EXTERIOR METAL PANELS SUPPORTED BY METAL GIRT SYSTEM
36	GALVANIZED STEEL WIRE MESH PARTITION; PARTITION TYPE W1AA
37	PRECAST CONCRETE CAP TYPE 1 PROFILE; RE: A-571
45	EXTERIOR COLUMN W/ BRICK VENEER AT BASE 4 FEET ABOVE GRADE; RE: A-571 FOR COLUMN DETAILS
67	PREFINISHED STANDING SEAM METAL ROOF
68	PREFINISHED METAL GUTTER
69	PREFINISHED METAL DOWNSPOUT DISCHARGES TO UNDERGROUND SYSTEM BELOW; RE: CIVIL DRAWINGS
73	THIN BRICK VENEER ADHERED TO CMU

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MARK	DESCRIPTION	DATE

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CONTRACT NO.:
CATEGORY CODE: 141-001-001
FILE NAME: 189618_A_CENTRAL

DESIGN BY: C. TOSLOSKIE
DRAWN BY: C. TOSLOSKIE
CHECKED BY: E. VELAZQUEZ
SUBMITTED BY: E. VELAZQUEZ
SIZE: ANSI D

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MWD FACILITY - EXTERIOR ELEVATIONS

SHEET ID
A-201

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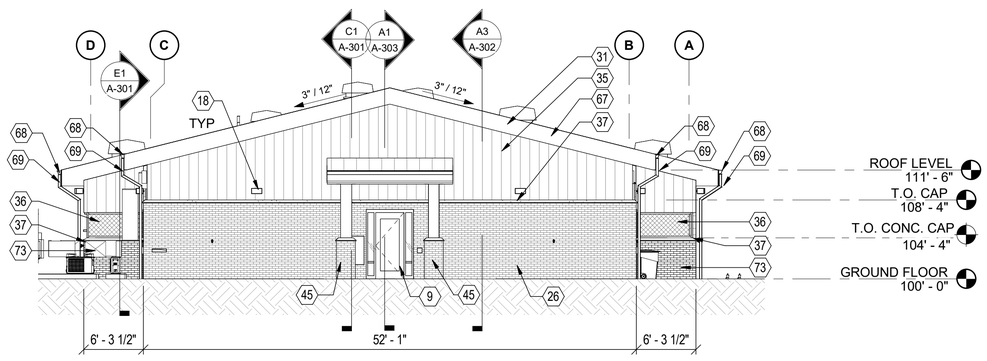
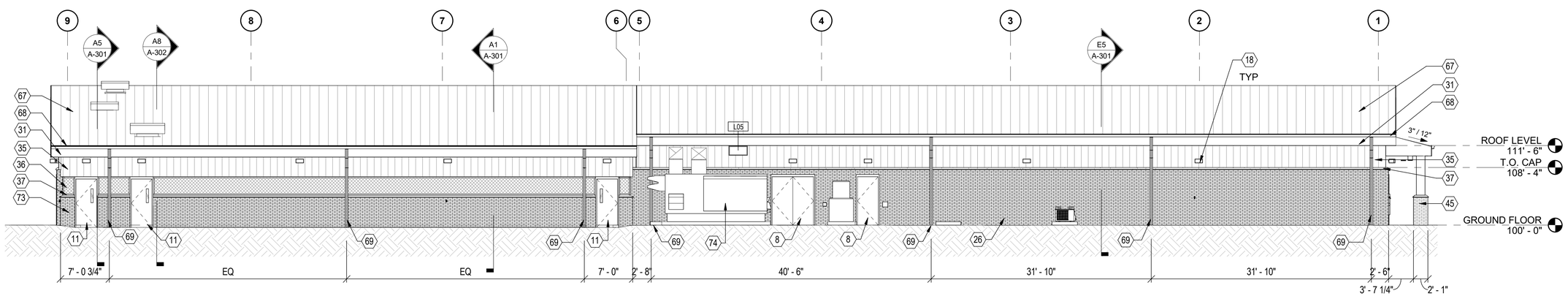


E1 MWD KENNEL - EAST ELEVATION

1/8" = 1'-0"

0 4' 8' 16'



B1 MWD KENNEL - SOUTH ELEVATION

1/8" = 1'-0"

0 4' 8' 16'

EXTERIOR MATERIAL LEGEND

	PREFINISHED EXTERIOR INSULATED METAL PANELS - COLOR: DUTCH GRAY
	PREFINISHED STANDING SEAM METAL ROOF - COLOR: TERRACOTTA RED
	BRICK VENEER - COLOR: SUNGLO VELOUR; GROUT: ALMOND
	PREFABRICATED GALVANIZED WIRE MESH PARTITION
SOFFIT/TRIM/ GUTTERS & DOWNSPOUTS	PREFINISHED METAL; COLOR: WHITE

*NOTE: REFER TO SPECIFICATIONS FOR RGB VALUES OF FINISHES MENTIONED ABOVE PER BASE INSTALLATION STANDARDS

SHEET KEYNOTES

8	INSULATED HOLLOW METAL DOOR
9	HOLLOW METAL DOOR, INSULATED WITH FULL LITE
11	HOLLOW METAL DOOR
18	EXTERIOR LIGHT FIXTURE; RE: ELECTRICAL DWGS
26	4" BRICK VENEER
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67	PREFINISHED STANDING SEAM METAL ROOF
68	PREFINISHED METAL GUTTER
69	PREFINISHED METAL DOWNSPOUT DISCHARGES TO UNDERGROUND SYSTEM BELOW; RE: CIVIL DRAWINGS
73	THIN BRICK VENEER ADHERED TO CMU
74	MECHANICAL EQUIPMENT; RE: MECH DWGS

COMMONWEALTH OF VIRGINIA
ERIK VELAZQUEZ
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US Army Corps of Engineers ®

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CATEGORY CODE:
141-1301-01
FILE NAME: 189618 A_CENTRAL

DESIGN BY: C. TOSLOSKIE
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HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

MWD FACILITY - EXTERIOR ELEVATIONS

SHEET ID
A-202

READY TO ADVERTISE (RTA)

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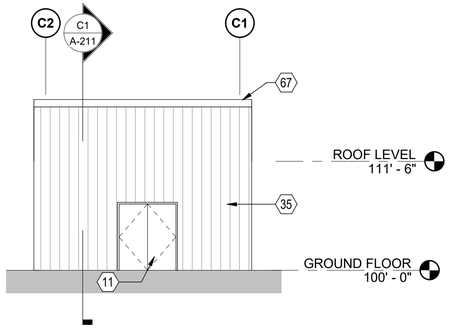
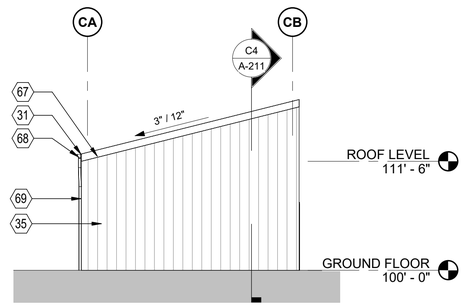
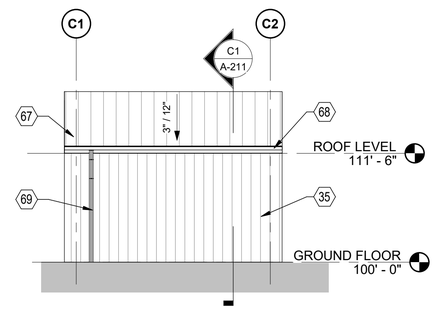


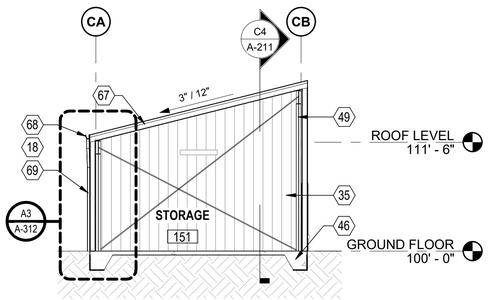
E1 MWD STORAGE - EAST ELEVATION
1/8" = 1'-0"
0 4' 8' 16'



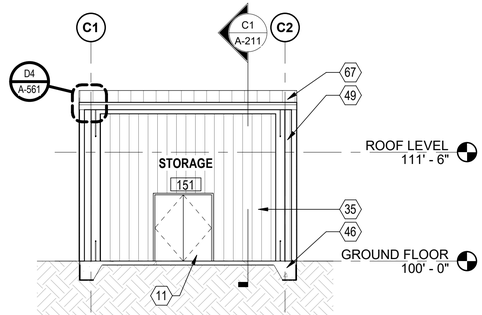
E3 MWD STORAGE - NORTH/SOUTH ELEVATION
1/8" = 1'-0"
0 4' 8' 16'



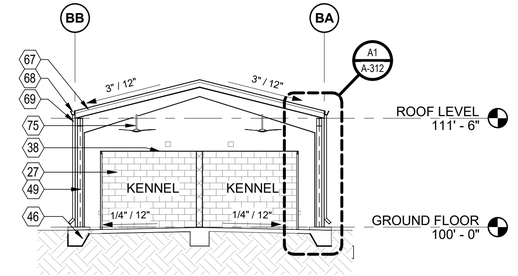
E6 MWD STORAGE- WEST ELEVATION
1/8" = 1'-0"
0 4' 8' 16'



C1 BUILDING SECTION - STORAGE
1/8" = 1'-0"
0 4' 8' 16'



C4 BUILDING SECTION - STORAGE
1/8" = 1'-0"
0 4' 8' 16'



C6 BUILDING SECTION - BREAK AREA
1/8" = 1'-0"
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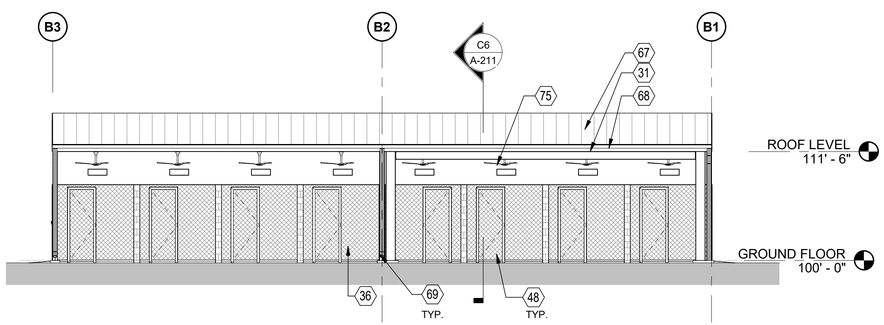
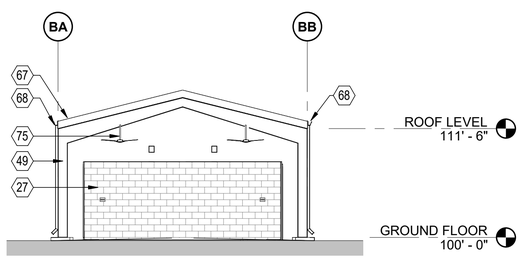


A1 MWD BREAK AREA - EAST/WEST ELEVATION
1/8" = 1'-0"
0 4' 8' 16'



A5 MWD BREAK AREA - NORTH/SOUTH ELEVATIONS
1/8" = 1'-0"
0 4' 8' 16'

EXTERIOR MATERIAL LEGEND

	PREFINISHED EXTERIOR INSULATED METAL PANELS - COLOR: DUTCH GRAY
	PREFINISHED STANDING SEAM METAL ROOF - COLOR: TERRACOTTA RED
	BRICK VENEER - COLOR: SUNGLO VELOUR; GROUT: ALMOND
	PREFABRICATED GALVANIZED WIRE MESH PARTITION
SOFFIT/TRIM/ GUTTERS & DOWNSPOUTS	PREFINISHED METAL; COLOR: WHITE

*NOTE: REFER TO SPECIFICATIONS FOR RGB VALUES OF FINISHES MENTIONED ABOVE PER BASE INSTALLATION STANDARDS

(#) SHEET KEYNOTES

11	HOLLOW METAL DOOR
27	8" CMU WALL
31	PREFINISHED METAL FASCIA
35	PREFINISHED EXTERIOR METAL PANELS SUPPORTED BY METAL GIRT SYSTEM
36	GALVANIZED STEEL WIRE MESH PARTITION; PARTITION TYPE W1AA
38	GALVANIZED STEEL WIRE MESH CAP ABOVE KENNEL AT 8' A.F.F.
46	CONCRETE SLAB; RE: STRUCTURAL DRAWINGS
48	GALVANIZED STEEL WIRE MESH KENNEL DOOR
49	PRE-ENGINEERED STEEL STRUCTURE
67	PREFINISHED STANDING SEAM METAL ROOF
68	PREFINISHED METAL GUTTER
69	PREFINISHED METAL DOWNSPOUT DISCHARGES TO UNDERGROUND SYSTEM BELOW; RE: CIVIL DRAWINGS
75	CEILING FAN; RE: MECH DWGS

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-001
DESIGN BY: C. TOSLOSKIE
DRAWN BY: C. TOSLOSKIE
CHECKED BY: E. VELAZQUEZ
SUBMITTED BY: E. VELAZQUEZ
SIZE: ANSI D
FILE NAME: 189618 A_CENTRAL

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

MWD BREAK AREA & STORAGE - EXTERIOR ELEVATIONS/SECTIONS

COMMONWEALTH OF VIRGINIA
ERIK VELAZQUEZ
Lic. No.016157
1/21/2026
ARCHITECT

SHEET ID
A-211

READY TO ADVERTISE (RTA)

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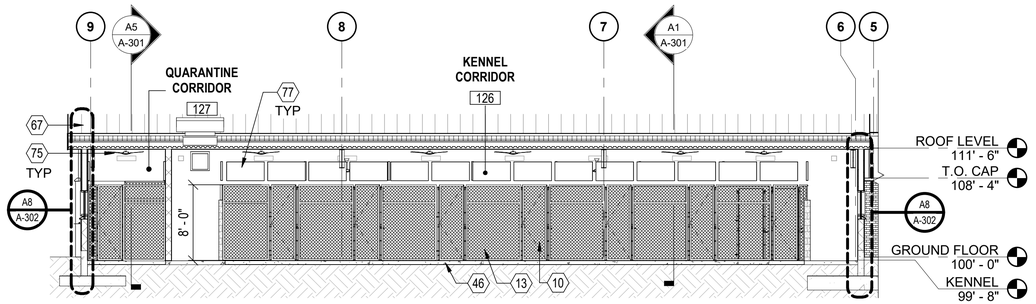
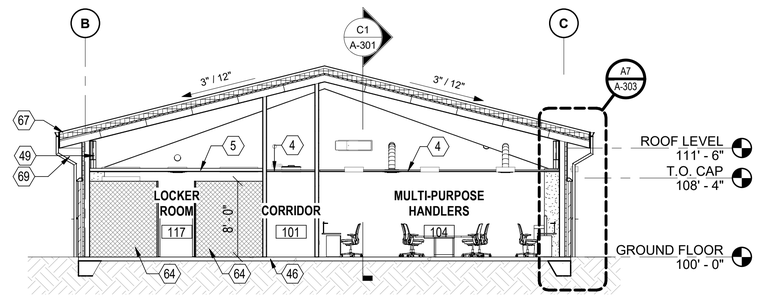


E1 BUILDING SECTION @ OUTSIDE KENNEL CORRIDOR

1/8" = 1'-0"

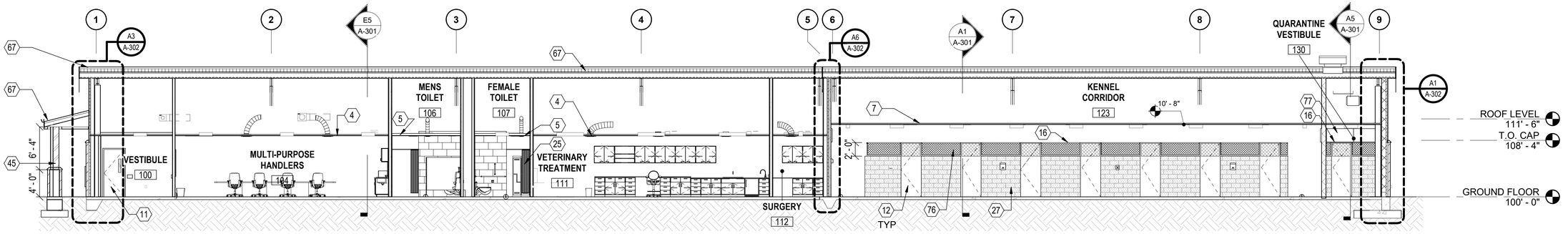
0 4' 8' 16'



E5 BUILDING SECTION @ FACILITY

1/8" = 1'-0"

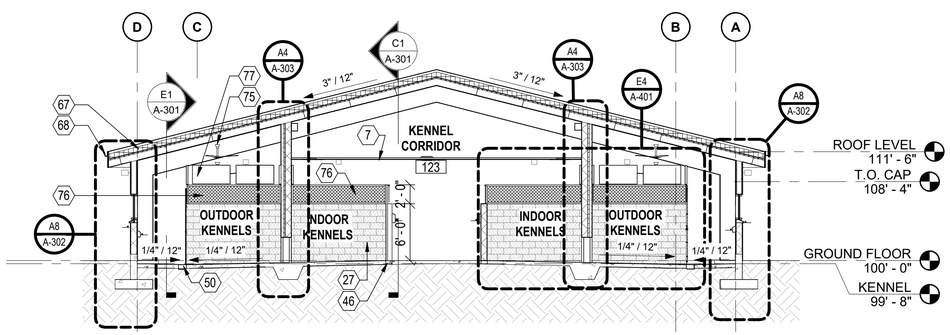
0 4' 8' 16'



C1 BUILDING SECTION

1/8" = 1'-0"

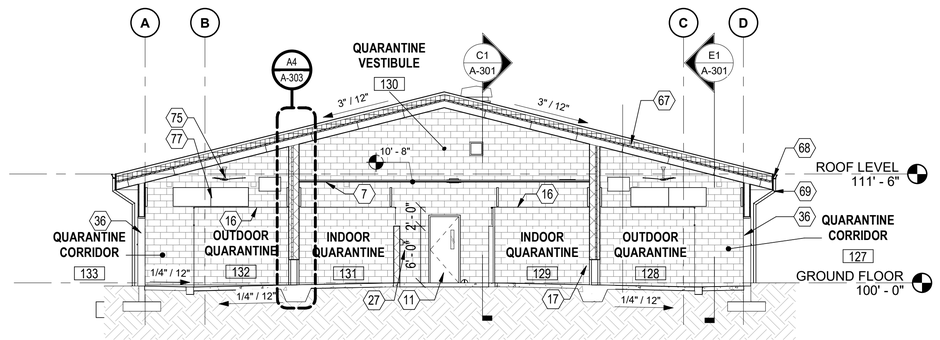
0 4' 8' 16'



A1 BUILDING SECTION @ KENNEL

1/8" = 1'-0"

0 4' 8' 16'



A5 BUILDING SECTION @ QUARANTINE

1/8" = 1'-0"

0 4' 8' 16'

SHEET KEYNOTES

#	
4	ACOUSTICAL CEILING TILE
5	GWB CEILING
7	PERFORATED ACOUSTICAL METAL CEILING PANELS W/ ACOUSTICAL INSULATION
10	STAINLESS STEEL WIRE MESH KENNEL DOOR
11	HOLLOW METAL DOOR
12	STAINLESS STEEL PANEL/WIRE MESH KENNEL DOOR
13	STAINLESS STEEL WIRE MESH PARTITION; SEE A-501 PARTITION TYPE W1AC
16	STAINLESS STEEL WIRE MESH CAP ABOVE KENNEL 8' ABOVE GROUND FLOOR
17	ALUMINUM FACED INSULATED GUILLOTINE DOOR, OPENING FOR SURFACE MOUNTED GUILLOTINE DOOR IS A MINIMUM 32" W X 32" H
25	2-TIER, Z-STYLE LOCKERS (HDPE)
27	8" CMU WALL
36	GALVANIZED STEEL WIRE MESH PARTITION; PARTITION TYPE W1AA
45	EXTERIOR COLUMN W/ BRICK VENEER AT BASE 4 FEET ABOVE GRADE; RE: A-571 FOR COLUMN DETAILS
46	CONCRETE SLAB; RE: STRUCTURAL DRAWINGS
49	PRE-ENGINEERED STEEL STRUCTURE
50	TRENCH DRAIN W/STEEL GRATING; RE: MECH DWGS
64	PREFABRICATED WIRE MESH PARTITION SURROUND FOR TA-50 LOCKER UNITS W/SLIDING DOOR; RE: A-501 PARTITION TYPE W1AB
67	PREFINISHED STANDING SEAM METAL ROOF
68	PREFINISHED METAL GUTTER
69	PREFINISHED METAL DOWNSPOUT DISCHARGES TO UNDERGROUND SYSTEM BELOW; RE: CIVIL DRAWINGS
75	CEILING FAN; RE: MECH DWGS
76	STAINLESS STEEL WIRE MESH PARTITION
77	ACOUSTICAL PANEL (AP-1): SEE SHEET A-601 FOR ADDITIONAL INFORMATION

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE:	JANUARY, 2026
SOLICITATION NO.:	W912HN-26-B-A003
CONTRACT NO.:	
CATEGORY CODE:	
FILE NAME:	141-001-01
FILE SIZE:	189618 A_CENTRAL
ANSI D	
DESIGN BY:	C. TOSLOSKIE
DRAWN BY:	C. TOSLOSKIE
CHECKED BY:	E. VELAZQUEZ
SUBMITTED BY:	E. VELAZQUEZ

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER army AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

MWD FACILITY - BUILDING SECTIONS

COMMONWEALTH OF VIRGINIA
ERIK VELAZQUEZ
Lic. No.016157
1/21/2026
ARCHITECT

SHEET ID
A-301

READY TO ADVERTISE (RTA)

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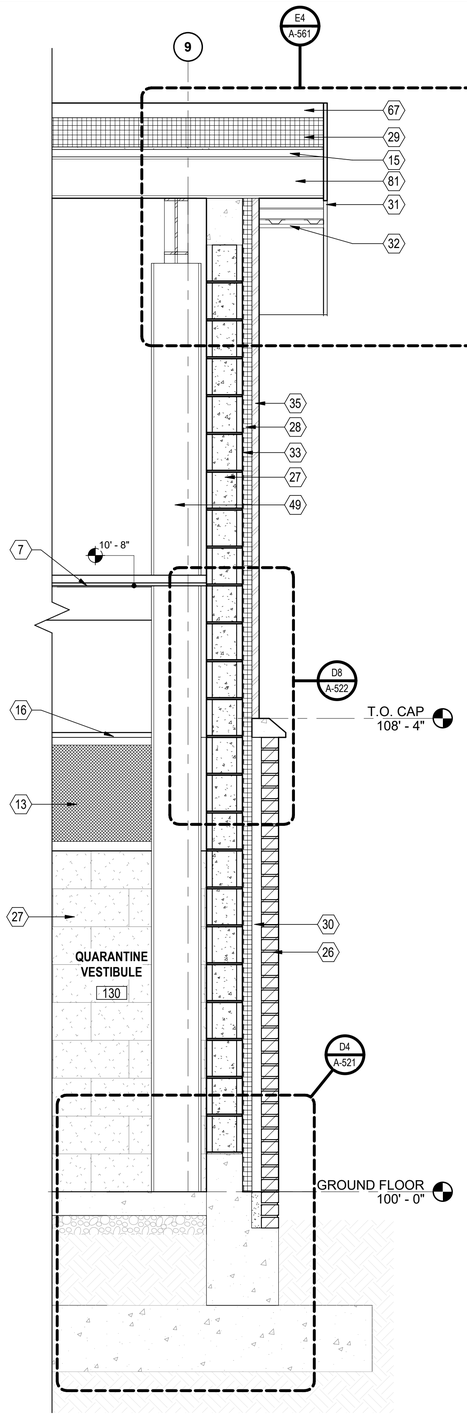
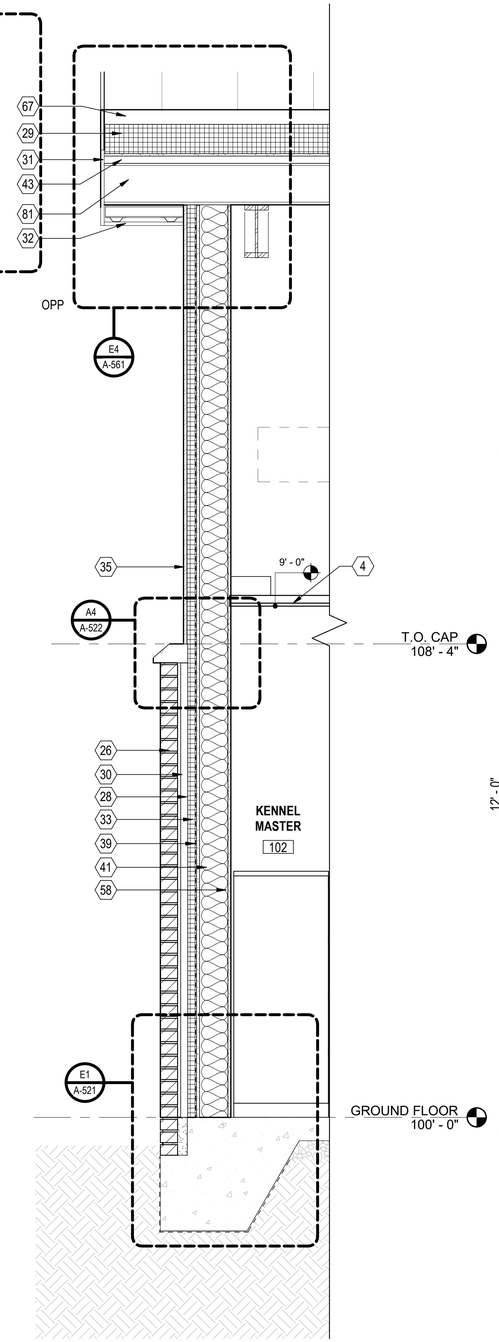
1/21/2026 8:58:47 AM

SHEET KEYNOTES

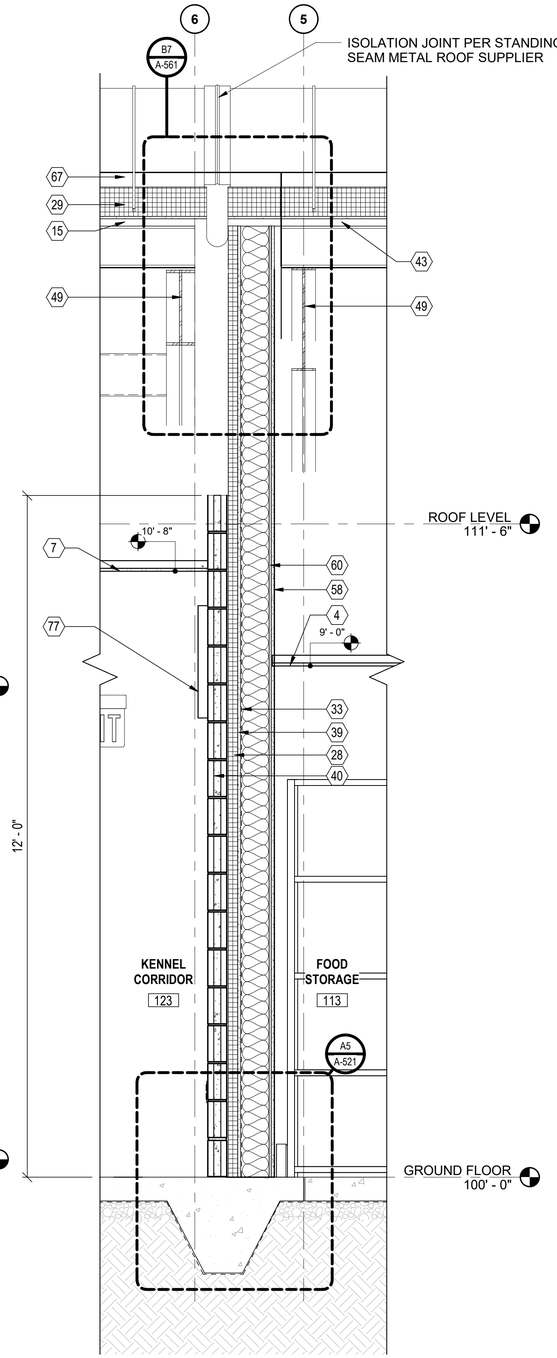
#	
4	ACOUSTICAL CEILING TILE
7	PERFORATED ACOUSTICAL METAL CEILING PANELS W/ ACOUSTICAL INSULATION
13	STAINLESS STEEL WIRE MESH PARTITION; SEE A-501 PARTITION TYPE W1AC
15	PERFORATED ACOUSTICAL STRUCTURAL METAL DECK
16	STAINLESS STEEL WIRE MESH CAP ABOVE KENNEL 8' ABOVE GROUND FLOOR
26	4" BRICK VENEER
27	8" CMU WALL
28	2" RIGID INSULATION (R-10)
29	6" RIGID INSULATION (R-30)
30	2" AIR SPACE
31	PREFINISHED METAL FASCIA
32	PREFINISHED METAL SOFFIT
33	FLUID-APPLIED AIR BARRIER
35	PREFINISHED EXTERIOR METAL PANELS SUPPORTED BY METAL GIRT SYSTEM
36	GALVANIZED STEEL WIRE MESH PARTITION; PARTITION TYPE W1AA
37	PRECAST CONCRETE CAP TYPE 1 PROFILE; RE: A-571
39	5/8" FIBER REINFORCED GYPSUM SHEATHING
40	4" CMU VENEER
41	6" METAL STUDS W/ BATT INSULATION (R-21)
43	STRUCTURAL GALVANIZED STEEL METAL DECK
49	PRE-ENGINEERED STEEL STRUCTURE
58	5/8" GWB TYPE "X"
60	1/2" DEEP RESILIENT CHANNELS SPACED VERTICALLY A MAX OF 24" O.C.
67	PREFINISHED STANDING SEAM METAL ROOF
68	PREFINISHED METAL GUTTER
73	THIN BRICK VENEER ADHERED TO CMU
77	ACOUSTICAL PANEL (AP-1): SEE SHEET A-601 FOR ADDITIONAL INFORMATION
81	METAL ROOF PURLINS



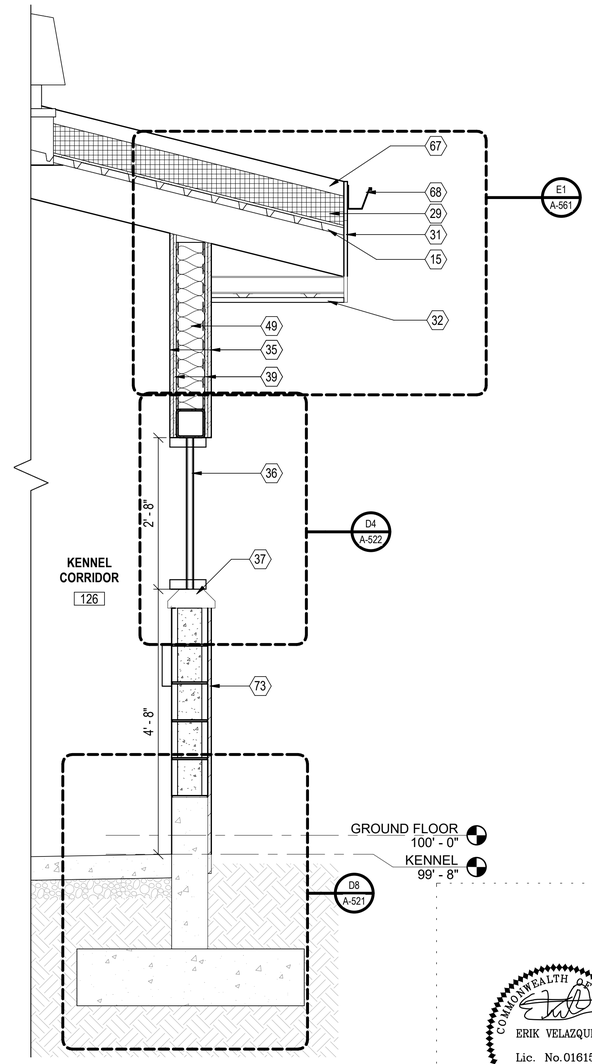
A1 EXTERIOR WALL SECTION
3/4" = 1'-0"



A3 EXTERIOR WALL SECTION
3/4" = 1'-0"



A6 WALL SECTION @ ADMIN/KENNEL
3/4" = 1'-0"



A8 EXTERIOR WALL SECTION
3/4" = 1'-0"

COMMONWEALTH OF VIRGINIA
ERIK VELAZQUEZ
Lic. No.016157
1/21/2026
ARCHITECT

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-001
FILE NAME: 189618 A_CENTRAL

DESIGN BY: C. TOSLOSKIE
DRAWN BY: C. TOSLOSKIE
CHECKED BY: E. VELAZQUEZ
SUBMITTED BY: E. VELAZQUEZ
SIZE: ANSI D

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

MWD FACILITY - WALL SECTIONS

SHEET ID
A-302

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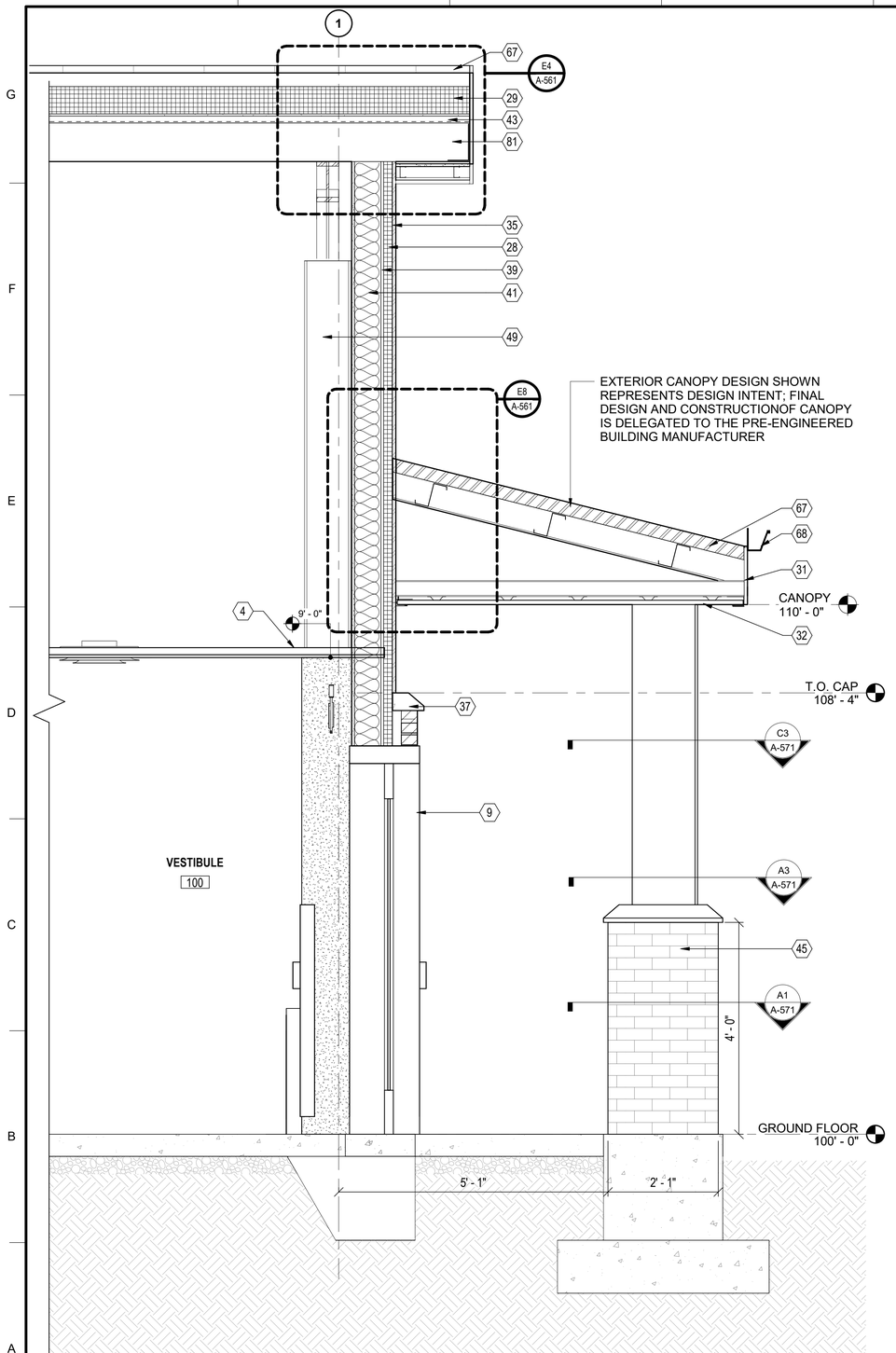
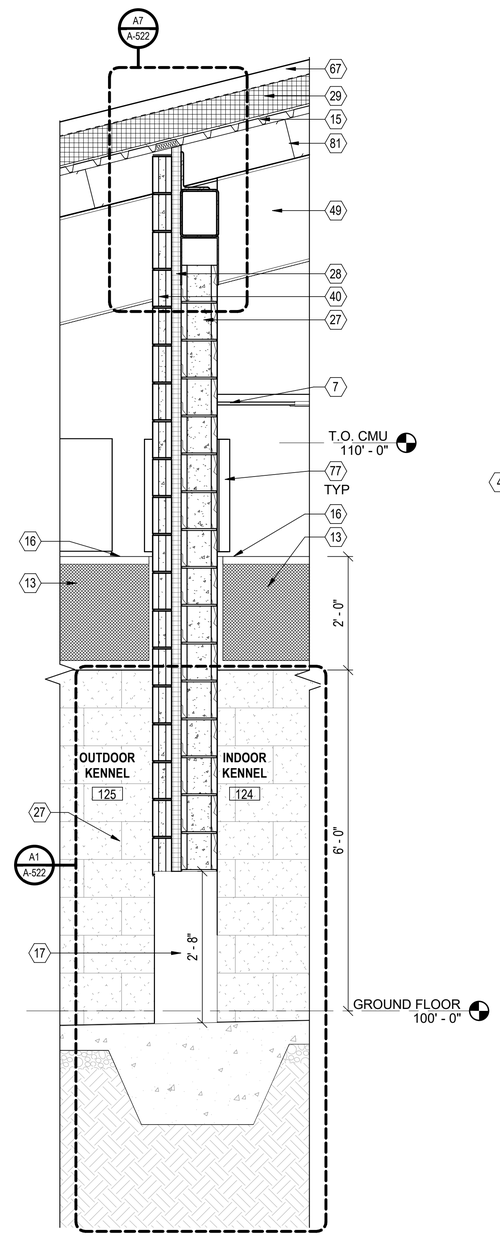


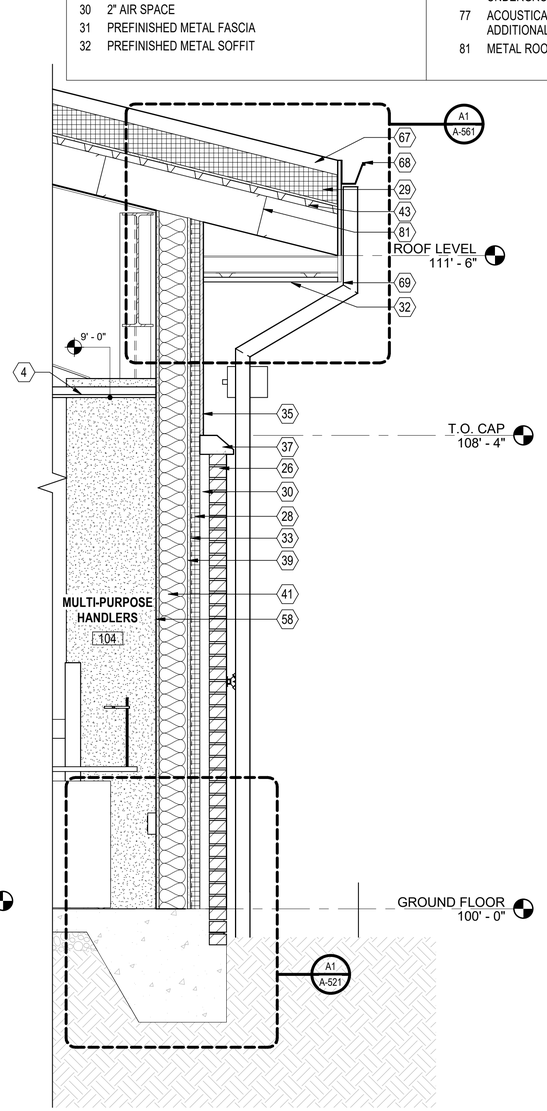
A1 WALL SECTION @ ENTRY

3/4" = 1'-0"



A4 INTERIOR PARTITION @ KENNELS

3/4" = 1'-0"



A7 EXTERIOR WALL SECTION

3/4" = 1'-0"

SHEET KEYNOTES

4	ACOUSTICAL CEILING TILE
7	PERFORATED ACOUSTICAL METAL CEILING PANELS W/ ACOUSTICAL INSULATION
9	HOLLOW METAL DOOR, INSULATED WITH FULL LITE
13	STAINLESS STEEL WIRE MESH PARTITION; SEE A-501 PARTITION TYPE W1AC
15	PERFORATED ACOUSTICAL STRUCTURAL METAL DECK
16	STAINLESS STEEL WIRE MESH CAP ABOVE KENNEL 8' ABOVE GROUND FLOOR
17	ALUMINUM FACED INSULATED GUILLOTINE DOOR, OPENING FOR SURFACE MOUNTED GUILLOTINE DOOR IS A MINIMUM 32" W X 32" H
26	4" BRICK VENEER
27	8" CMU WALL
28	2" RIGID INSULATION (R-10)
29	6" RIGID INSULATION (R-30)
30	2" AIR SPACE
31	PREFINISHED METAL FASCIA
32	PREFINISHED METAL SOFFIT

SHEET KEYNOTES

33	FLUID-APPLIED AIR BARRIER
35	PREFINISHED EXTERIOR METAL PANELS SUPPORTED BY METAL GIRT SYSTEM
37	PRECAST CONCRETE CAP TYPE 1 PROFILE; RE: A-571
39	5/8" FIBER REINFORCED GYPSUM SHEATHING
40	4" CMU VENEER
41	6" METAL STUDS W/ BATT INSULATION (R-21)
43	STRUCTURAL GALVANIZED STEEL METAL DECK
45	EXTERIOR COLUMN W/ BRICK VENEER AT BASE 4 FEET ABOVE GRADE; RE: A-571 FOR COLUMN DETAILS
49	PRE-ENGINEERED STEEL STRUCTURE
58	5/8" GWB TYPE "X"
67	PREFINISHED STANDING SEAM METAL ROOF
68	PREFINISHED METAL GUTTER
69	PREFINISHED METAL DOWNSPOUT DISCHARGES TO UNDERGROUND SYSTEM BELOW; RE: CIVIL DRAWINGS
77	ACOUSTICAL PANEL (AP-1); SEE SHEET A-601 FOR ADDITIONAL INFORMATION
81	METAL ROOF PURLINS

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-001
FILE NAME: 189618 A_CENTRAL

DESIGN BY: C. TOSLOSKIE
DRAWN BY: C. TOSLOSKIE
CHECKED BY: E. VELAZQUEZ
SUBMITTED BY: E. VELAZQUEZ
SIZE: ANSI D

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY'25, PN 69262

MWD FACILITY - WALL SECTIONS

COMMONWEALTH OF VIRGINIA
ERIK VELAZQUEZ
Lic. No.016157
1/21/2026
ARCHITECT

SHEET ID
A-303

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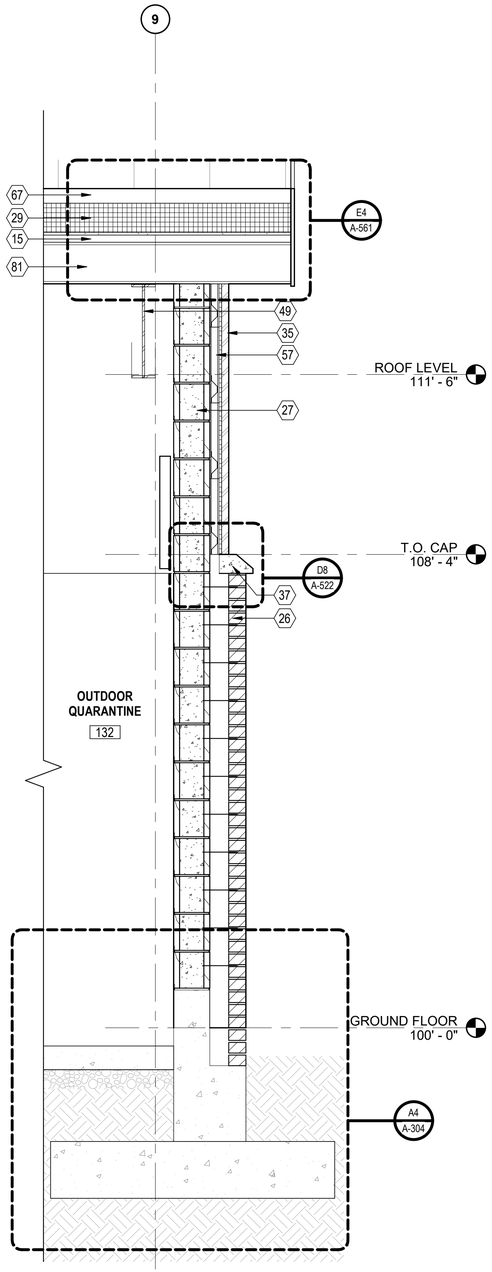
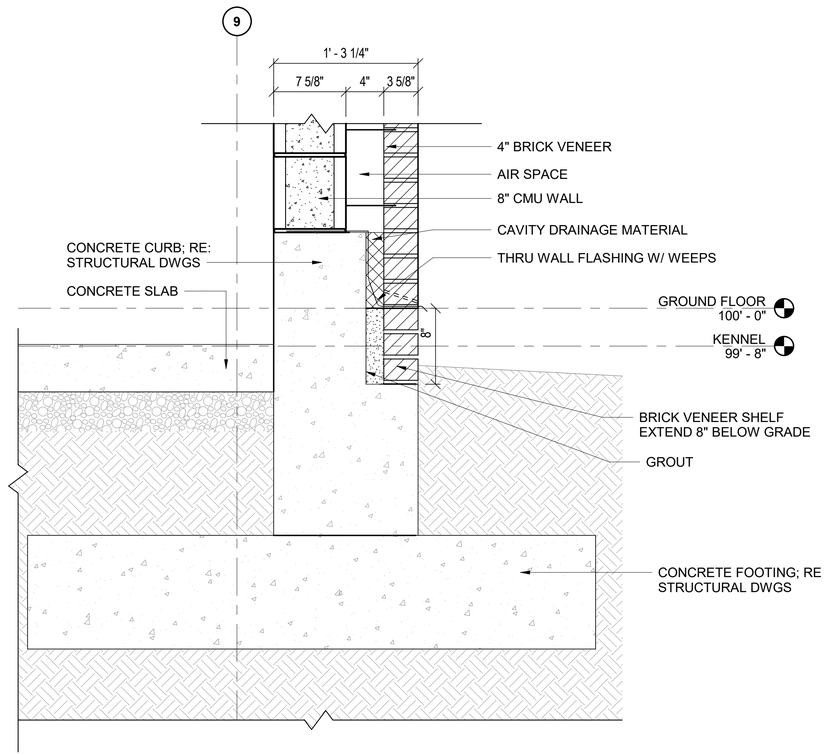


A1 WALL SECTION

3/4" = 1'-0"

0 1' 2' 3'



A4 SECTION DETAIL

1 1/2" = 1'-0"

0 1/2' 1' 1 1/2'

SHEET KEYNOTES

15	PERFORATED ACOUSTICAL STRUCTURAL METAL DECK
26	4" BRICK VENEER
27	8" CMU WALL
29	6" RIGID INSULATION (R-30)
35	PREFINISHED EXTERIOR METAL PANELS SUPPORTED BY METAL GIRT SYSTEM
37	PRECAST CONCRETE CAP TYPE 1 PROFILE; RE: A-571
49	PRE-ENGINEERED STEEL STRUCTURE
57	METAL FURRING
67	PREFINISHED STANDING SEAM METAL ROOF
81	METAL ROOF PURLINS

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

DESIGN BY: C. TOSLOSKIE
DRAWN BY: C. TOSLOSKIE
CHECKED BY: E. VELAZQUEZ
SUBMITTED BY: E. VELAZQUEZ
SIZE: ANSI D
ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-001
FILE NAME: 189618 A_CENTRAL

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER army AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY'25, PN 69262

MWD FACILITY - WALL SECTIONS

COMMONWEALTH OF VIRGINIA
ERIK VELAZQUEZ
Lic. No.016157
1/21/2026
ARCHITECT

SHEET ID
A-304

READY TO ADVERTISE (RTA)

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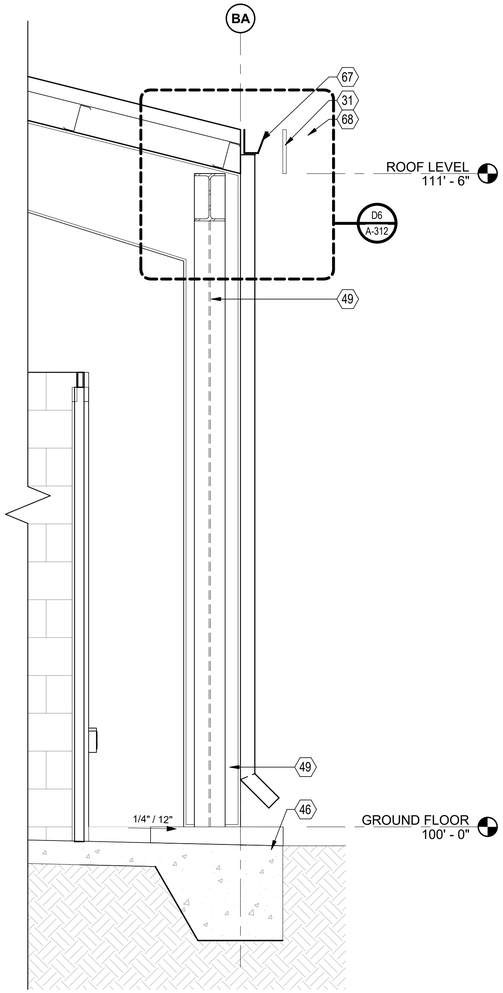
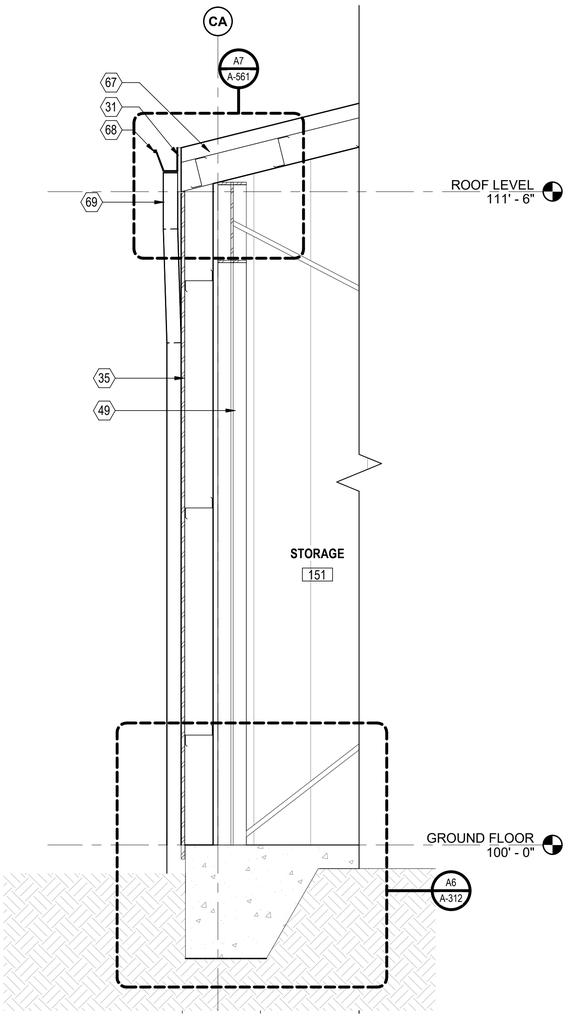
SHEET KEYNOTES

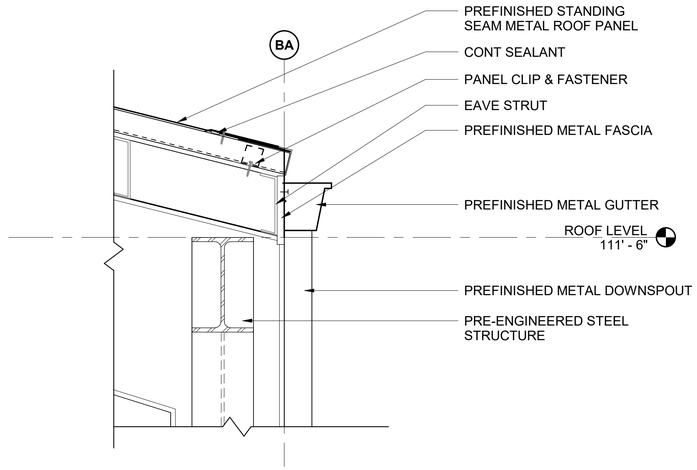
31	PREFINISHED METAL FASCIA
35	PREFINISHED EXTERIOR METAL PANELS SUPPORTED BY METAL GIRT SYSTEM
46	CONCRETE SLAB; RE: STRUCTURAL DRAWINGS
49	PRE-ENGINEERED STEEL STRUCTURE
67	PREFINISHED STANDING SEAM METAL ROOF
68	PREFINISHED METAL GUTTER
69	PREFINISHED METAL DOWNSPOUT DISCHARGES TO UNDERGROUND SYSTEM BELOW; RE: CIVIL DRAWINGS



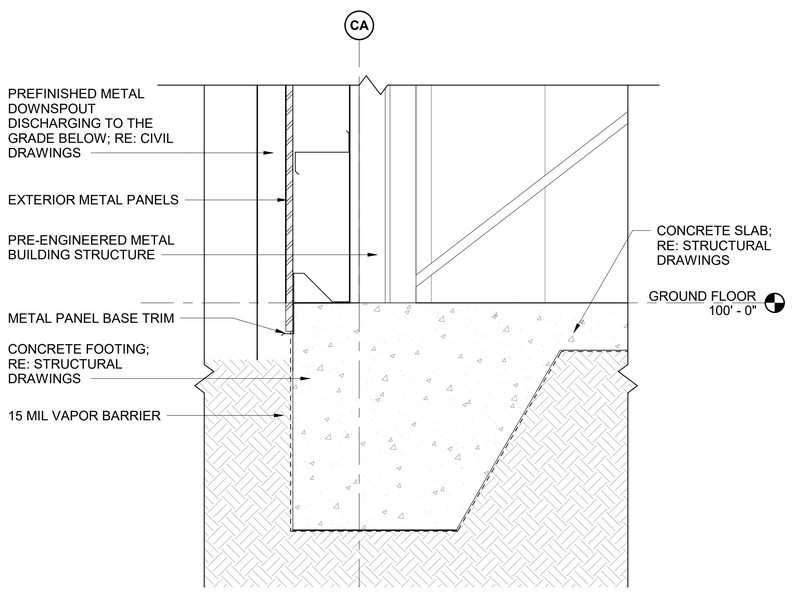
A1 MWD BREAK AREA - WALL SECTION
3/4" = 1'-0"
0 1' 2' 3'



A3 MWD STORAGE - WALL SECTION
3/4" = 1'-0"
0 1' 2' 3'



D6 MWD BREAK AREA - ENLARGED DETAIL
1 1/2" = 1'-0"
0 1/2' 1' 1 1/2'



A6 ENLARGED DETAIL
1 1/2" = 1'-0"
0 1/2' 1' 1 1/2'

COMMONWEALTH OF VIRGINIA
ERIK VELAZQUEZ
Lic. No.016157
1/21/2026
ARCHITECT

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-001
FILE NAME: 189618 A_CENTRAL
SIZE: ANSI D

DESIGN BY: C. TOSLOSKIE
DRAWN BY: C. TOSLOSKIE
CHECKED BY: E. VELAZQUEZ
SUBMITTED BY: E. VELAZQUEZ

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER army AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

MWD BREAK AREA & STORAGE - WALL SECTIONS

SHEET ID
A-312

READY TO ADVERTISE (RTA)

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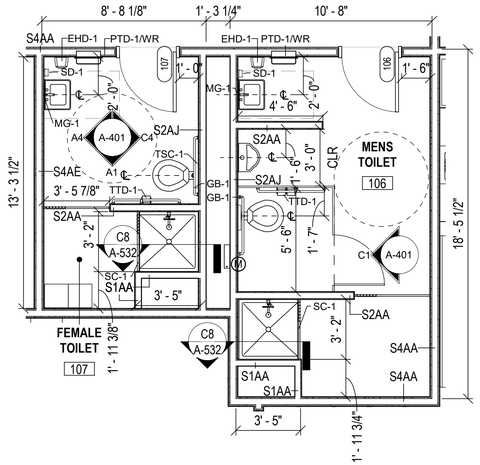
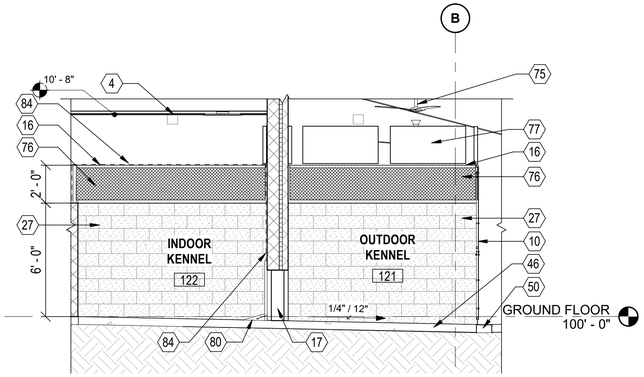
1/21/2026 8:58:51 AM



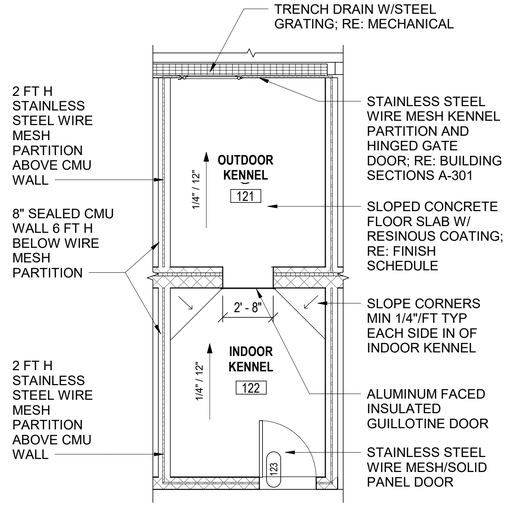
E1 ENLARGED PLAN - MEN 106/FEMALE 107

1/4" = 1'-0"



E4 ENLARGED KENNEL ELEVATION

1/4" = 1'-0"



E6 TYP ENLARGED KENNEL FLOOR PLAN

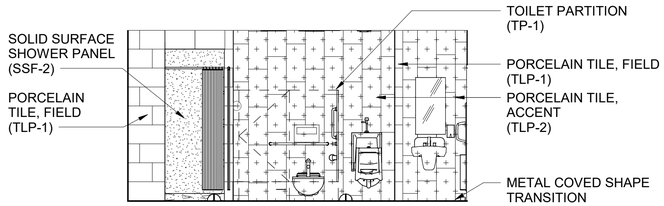
1/4" = 1'-0"

TOILET ACCESSORIES LEGEND

MARK	DESCRIPTION
GB-1	GRAB BARS HORIZONTAL & VERTICAL
MG-1	MIRROR - FULL WIDTH OF LAVATORY COUNTER
SND-1	SANITARY NAPKIN DISPOSAL
SC-1	SHOWER ROD
SD-1	SOAP DISPENSER
TPN-1	TOWEL PIN - 60" MOUNTING HEIGHT
TTD-1	TOILET TISSUE DISPENSER
PTD-1/WR	PAPER TOWEL DISPENSER INCLUDING TRASH RECEPTACLE
TSC-1	SANITARY SEAT COVER DISPENSER
EHD-1	ELECTRIC HAND DRYER

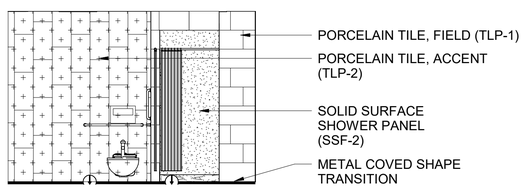
SHEET KEYNOTES

#	
4	ACOUSTICAL CEILING TILE
10	STAINLESS STEEL WIRE MESH KENNEL DOOR
16	STAINLESS STEEL WIRE MESH CAP ABOVE KENNEL 8' ABOVE GROUND FLOOR
17	ALUMINUM FACED INSULATED GUILLOTINE DOOR, OPENING FOR SURFACE MOUNTED GUILLOTINE DOOR IS A MINIMUM 32" W X 32" H
27	8" CMU WALL
46	CONCRETE SLAB; RE: STRUCTURAL DRAWINGS
50	TRENCH DRAIN W/STEEL GRATING; RE: MECH DWGS
75	CEILING FAN; RE: MECH DWGS
76	STAINLESS STEEL WIRE MESH PARTITION
77	ACOUSTICAL PANEL (AP-1): SEE SHEET A-601 FOR ADDITIONAL INFORMATION
80	SLOPE CORNERS A MIN OF 1/4"/FT TO DRAIN
84	GUILLOTINE PULLEY SYSTEM; INSTALL PER MANUFACTURER RECOMMENDATIONS WITH TRACK LOCATED ABOVE 8' HIGH WIRE MESH CAP



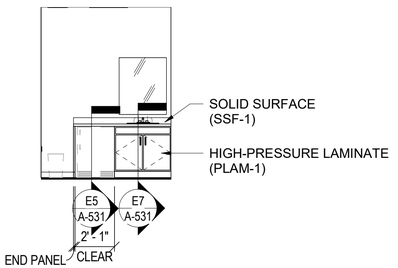
C1 MENS TOILET 106 - ELEVATION

1/4" = 1'-0"



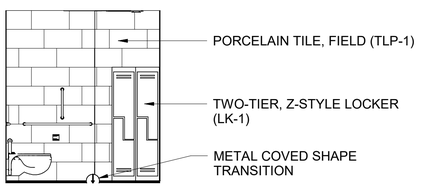
C4 FEMALE TOILET 107 - EAST ELEVATION

1/4" = 1'-0"



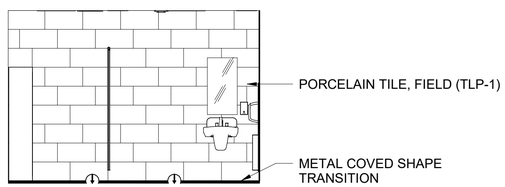
C6 MOTHERS ROOM RM 116 - WEST ELEVATION

1/4" = 1'-0"



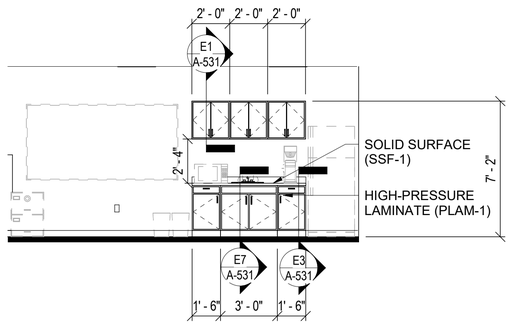
A1 FEMALE TOILET 107 - SOUTH ELEVATION

1/4" = 1'-0"



A4 FEMALE TOILET 107 - WEST ELEVATION

1/4" = 1'-0"



A6 MULTI-PURPOSE HANDLERS RM 104 - WEST ELEVATION

1/4" = 1'-0"

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SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

DESIGN BY:	ISSUE DATE:
C. TOSLOSKIE	JANUARY 2026
DRAWN BY:	SOLICITATION NO.:
C. TOSLOSKIE	W912HN-26-B-A003
CHECKED BY:	CONTRACT NO.:
E. VELAZQUEZ	
SUBMITTED BY:	CATEGORY CODE:
E. VELAZQUEZ	141-001-001
SIZE:	FILE NAME:
ANSI D	139618 A_CENTRAL

DATE	DESCRIPTION	MARK

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

MWD FACILITY - ENLARGED FLOOR PLANS & ELEVATIONS

SHEET ID

A-401

READY TO ADVERTISE (RTA)

COMMONWEALTH OF VIRGINIA
ERIK VELAZQUEZ
Lic. No.016157
1/21/2026
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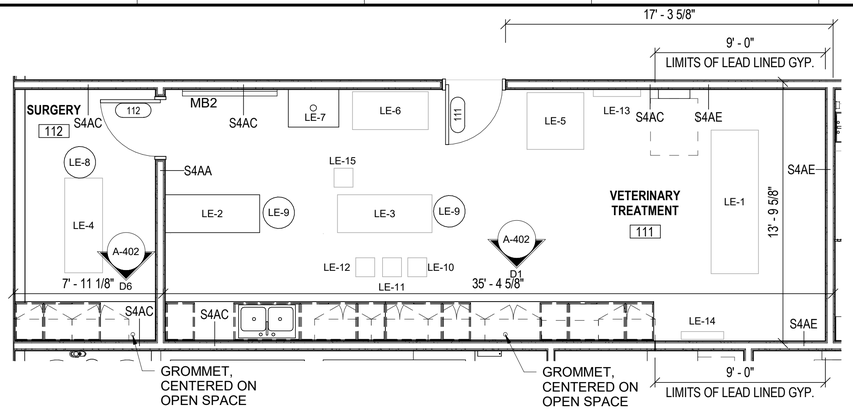


F1 ENLARGED PLAN PLAN - VETERINARY TREATMENT

1/4" = 1'-0"

0 2' 4' 8'

VETERINARY EQUIPMENT LEGEND

ITEM CODE	ITEM DESCRIPTION
LE-1	DIGITAL X-RAY (FF&E)
LE-2	TUB TABLE (CFCI)
LE-3	TREATMENT TABLE (FF&E)
LE-4	SURGERY TABLE (FF&E)
LE-5	RECOVERY CAGE(FF&E)
LE-6	SCALE (FF&E)
LE-7	SCRUB SINK, SEE MECHANICAL
LE-8	CEILING HUNG SURGICAL LIGHT (CFCI)
LE-9	CEILING HUNG EXAMINATION LIGHT (CFCI)
LE-10	MOBILE ANESTHETIC GAS MACHINE (FF&E)
LE-11	DENTAL MACHINE (FF&E)
LE-12	DENTAL DIGITAL X-RAY (FF&E)
LE-13	PROTECTIVE GARMENTS AND HANGER (FF&E)
LE-14	X-RAY VIEWER (FF&E)
LE-15	PATIENT MONITOR (FF&E)

CFCI = CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
FF&E = FURNITURE, FIXTURES AND EQUIPMENT PACKAGE

CASEWORK NOTES

1. PROVIDE FILLER PANELS TO CLOSE GAPS BETWEEN BASE CABINET AND ADJOINING PARTITIONS.
2. SEAL ALL JOINTS AND SEAMS BETWEEN SECTIONS OF FIXED COUNTERTOPS AND BETWEEN COUNTERTOP AND ADJOINING ELEMENTS WITH ACID RESISTANT, SILICONE SEALANT, COLOR TO MATCH COUNTERTOP.
3. FINISH ALL EXPOSED METAL COMPONENTS INCLUDING SHELVING BRACKETS, STANDARDS, CLIPS, ANCHORS, FILLER PANELS, ETC. TO MATCH CASEWORK.
4. ALL SURFACES OF COUNTERTOP EDGES, BACK OF SPLASHES, BACKS OF COUNTERTOP AND SPLASHES THAT ARE EXPOSED TO VIEW SHALL BE FINISHED.
5. PROVIDE GROMMETS AT ALL DESKS/KNEE SPACES. COORDINATE GROMMET HOLE LOCATIONS WITH BACK PANEL AND CABINETS BELOW COUNTERTOP TO ELIMINATE INTERFERENCES.
6. SECURE HIGH CASEWORK AND FREESTANDING METAL SHELVING FROM OVERTURNING.
7. ON WALL-TO-WALL CASEWORK ASSEMBLIES, THE "OPEN" DIMENSION SHALL BE DETERMINED IN FIELD UNO. IF THERE IS MORE THAN ONE "OPEN" SPACE INDICATED, SPACE AVAILABLE FOR "OPEN" SPACE SHALL BE EVENLY DISTRIBUTED.
8. BACKSPLASHES AND SIDE SPLASHES SHALL BE PROVIDED AT WALL LOCATIONS WHERE COUNTERTOP ABUTS WALLS.
9. VERIFY ALL ROOM DIMENSIONS IN FIELD PRIOR TO FINAL SHOP DRAWING COMPLETION. IDENTIFY ANY CONFLICTS TO THE NAVFAC PM/DM.

METAL CASEWORK NUMBER LEGEND

CABINET TYPES:

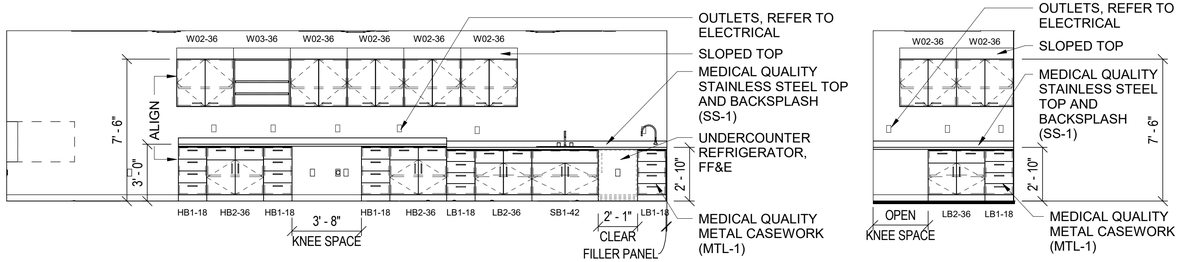
LB	LOW BASE CABINETS
SB	SINK BASE
HB	HIGH BASE CABINETS
W	WALL CABINETS

NOMINAL SIZES:

DESIGNATION	FT-IN
18	1'-6"
24	2'-0"
30	2'-6"
36	3'-0"
48	4'-0"
96	8'-0"

CASEWORK NUMBER:

HB2-30
- NOMINAL SIZE (INCHES)
- CABINET SUBTYPE
- CABINET TYPE



D1 VETERINARY TREATMENT RM 111 - SOUTH ELEVATION

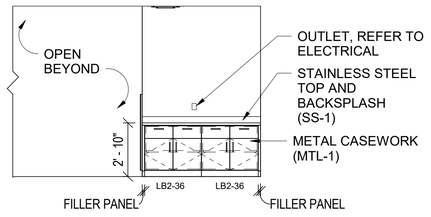
1/4" = 1'-0"

0 2' 4' 8'

D6 SURGERY 112 - SOUTH ELEVATION

1/4" = 1'-0"

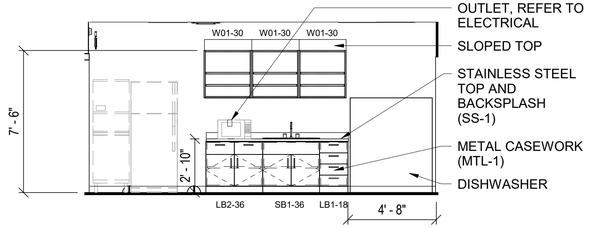
0 2' 4' 8'



B1 TACK ROOM RM 115 - SOUTH ELEVATION

1/4" = 1'-0"

0 2' 4' 8'

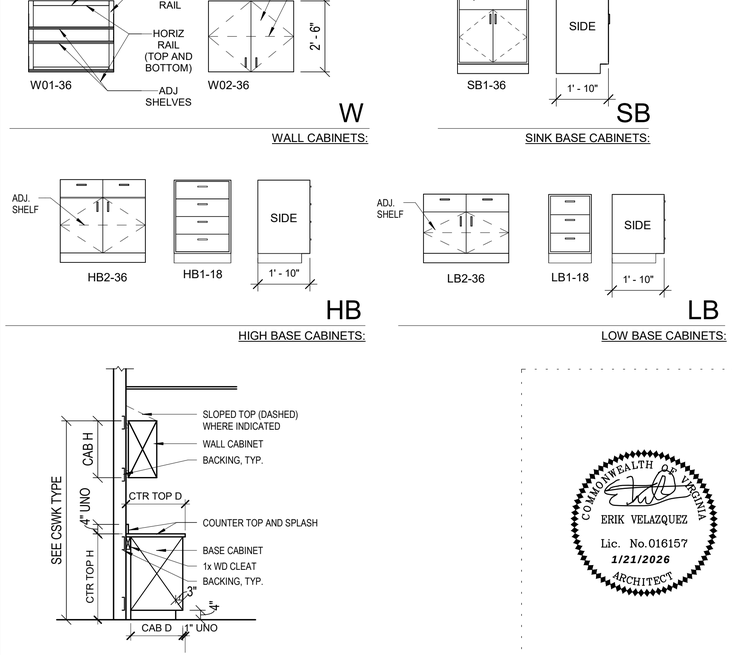


B6 FOOD STORAGE RM 113 - EAST ELEVATION

1/4" = 1'-0"

0 2' 4' 8'

CASEWORK TYPES



COMMONWEALTH OF VIRGINIA
ERIK VELAZQUEZ
Lic. No.016157
1/21/2026
ARCHITECT

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 611-001
FILE NAME: 189618 A_CENTRAL
DESIGN BY: C. TOSLOSKIE
DRAWN BY: C. TOSLOSKIE
CHECKED BY: E. VELAZQUEZ
SUBMITTED BY: E. VELAZQUEZ
SIZE: ANSI D

U.S. ARMY CORPS OF ENGINEERS
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SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

MWD FACILITY - ENLARGED FLOOR PLAN & ELEVATIONS

SHEET ID
A-402

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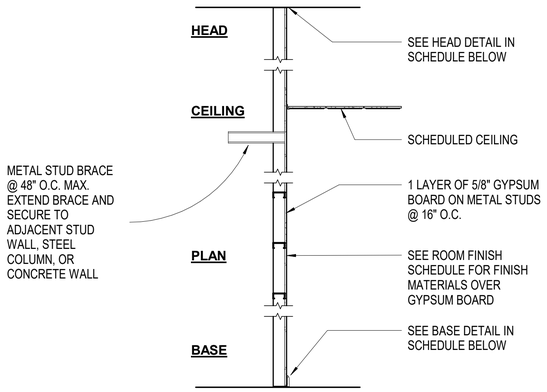
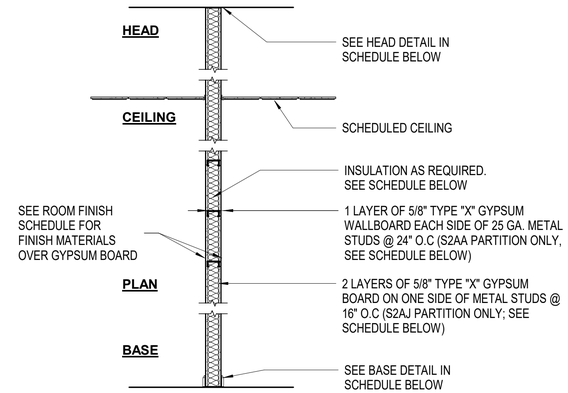
PARTITION TYPE S1



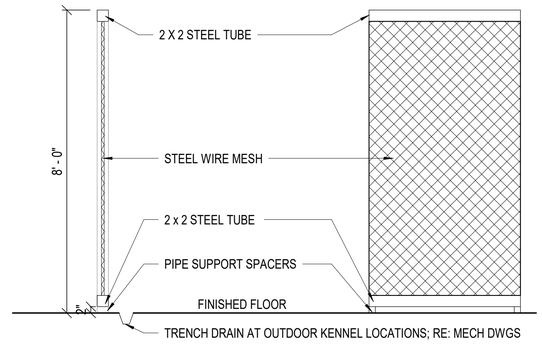
TYPE	STC	HEAD DETAIL	BASE DETAIL	TYPE COMMENTS
S1AA	-	C3/A-511	A1/A-511 SIM	3 5/8" METAL STUD

PARTITION TYPE S2



TYPE	STC	HEAD DETAIL	BASE DETAIL	TYPE COMMENTS
S2AA	STC-45	E1/A-511	A1/A-511	25 GA. 3 5/8" METAL STUDS @ 24" O.C. WITH ACOUSTIC BATT INSULATION, EXTEND TO DECK ABOVE
S2AJ	-	E1/A-511	A1/A-511	(2) LAYERS OF GYPSUM WALLBOARD ON ONE SIDE OF 3 5/8" METAL STUDS, FULL HEIGHT WALL WITH BLANKET INSULATION.

PARTITION TYPE W1AA

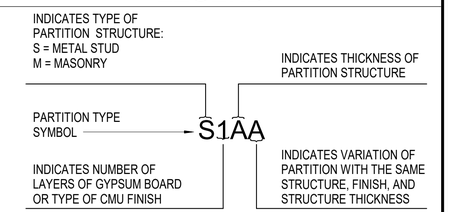


TYPE	TYPE COMMENTS
W1AA	8 FT HIGH, GALVANIZED STEEL WIRE MESH PARTITION WITH PIPE SUPPORT SPACERS AT THE BREAK AREA
W1AC	8 FT HIGH, STAINLESS STEEL WIRE MESH PARTITION WITH PIPE SUPPORT SPACERS AT THE INDOOR/OUTDOOR KENNELS

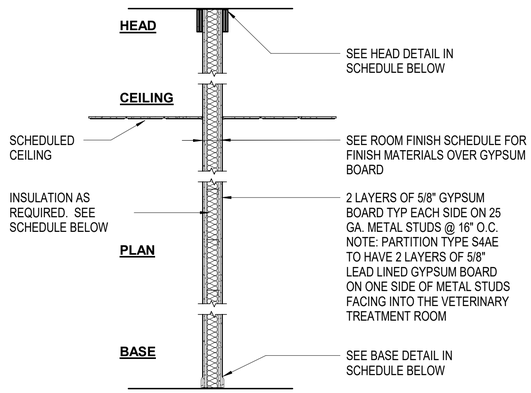
PARTITION TYPES GENERAL NOTES:

1. WHERE STRUCTURAL MEMBERS PENETRATE FIRE-RATED GYPSUM BOARD WALLS, TAPE & SEAL WITH FIRE STOPPING SEALANT. WHERE STRUCTURAL MEMBERS PENETRATE FIRE-RATED CMU OR CONCRETE WALLS, SEAL WITH FIRE STOPPING SEALANT.
2. PROVIDE MINIMUM 20 GAUGE METAL BACKING AS REQUIRED FOR INSTALLATION OF EXTINGUISHER CABINETS, MESSAGE BOARDS, TOILET ACCESSORIES, TOILET PARTITIONS, WALL AND BASE CABINETS, ACCESS PANELS, ELECTRICAL AND FIRE PROTECTION SYSTEM PANELS, UNLESS NOTED OTHERWISE.
3. ALL METAL STUDS AND BRACING SHALL BE 20 GAUGE UNLESS NOTED OTHERWISE. REFERENCE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
4. REFERENCE DRAWINGS A-101 FOR PARTITION TYPE LOCATIONS.
5. BRACE METAL STUD PARTITIONS IN ACCORDANCE WITH ASTM C754. PROVIDE METAL STUD DIAGONAL BRACING @ 4'-0" O.C (ALTERNATE DIRECTIONS) TO UNDERSIDE OF METAL DECK FOR WALLS GREATER THAN 16'-4" IN HEIGHT, FOR 3-5/8" 25 GAUGE METAL STUD WALLS GREATER THAN 15'-6" IN HEIGHT SPACED 16" O.C, AND FOR 3-5/8" 25 GAUGE METAL STUD WALLS GREATER THAN 13'-6" IN HEIGHT SPACED 24" O.C.
6. FOR ALL GYPSUM BOARD PARTITIONS DESIGNATED AS STC-45 (SOUND TRANSMISSION CLASS-45), AT MINIMUM, PROVIDE ONE LAYER OF MINIMUM THICKNESS 5/8" TYPE "X" DRYWALL APPLIED TO EACH SIDE OF 3 5/8" METAL STUDS MAXIMUM 24" O.C. WITH 1" TYPE "S" DRYWALL SCREWS 7" O.C. TO EDGE OF VERTICAL JOINTS AND 12" O.C. TO INTERMEDIATE STUD. ADDITIONAL FACE LAYER (OR LAYERS IF 2 LAYERS APPLIED EACH SIDE FOR STC-50 WALLS) IS 5/8" TYPE "X" DRYWALL APPLIED ON ONE OR BOTH SIDES WITH LAMINATING COMPOUND AND ATTACHED WITH 1 3/8" TYPE "S" DRYWALL SCREWS 8" O.C. TO EDGES AND SIDES AND 12" O.C. TO INTERMEDIATE STUDS STAGGER JOINTS 24" O.C. EACH LAYER AND SIDE MINIMUM 3 1/2" OF GLASS FIBER INSULATION IN CAVITY.
7. PROVIDE CEMENTITIOUS BACKER UNITS (AT SHOWER WALLS) OR WATER RESISTANT GYPSUM BOARD (AT ALL OTHER TOILET OR RESTROOM WALLS) ON WET SIDE WALL.

PARTITION TYPE SYMBOL LEGEND:

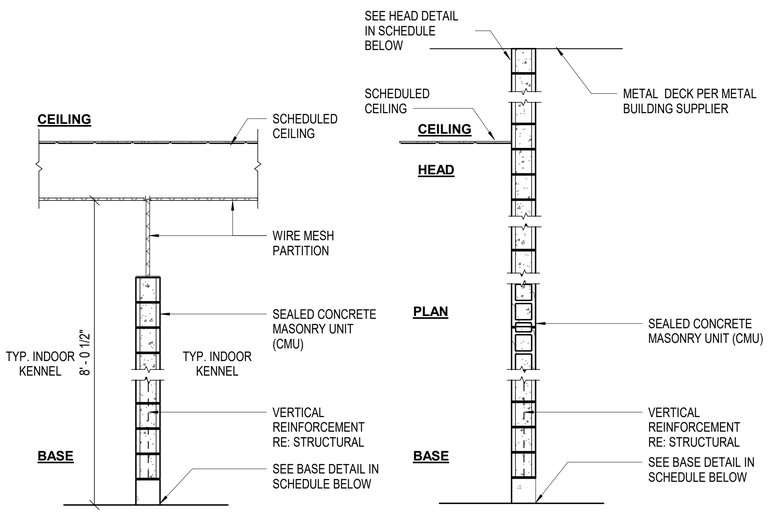


PARTITION TYPE S4



TYPE	STC	FIRE RATING	UL DESIGN NO	HEAD DETAIL	BASE DETAIL	TYPE COMMENTS
S4AA	STC-50	-	-	E1/A-511	A1/A-511	3 5/8" METAL STUDS WITH BLANKET INSULATION. CONTROLLED PERIMETER.
S4AC	STC-50	60 MIN	U465	E3/A-511	A1/A-511	3 5/8" METAL STUDS WITH BLANKET INSULATION, 1 HOUR RATED
S4AE	STC-50	60 MIN	U465	E3/A-511	A1/A-511	3 5/8" METAL STUDS WITH BLANKET INSULATION, 1 HOUR RATED. LEAD LINED GYPSUM BOARD TO BE INSTALLED IN VETERINARY TREATMENT ROOM. RE: FLOOR PLAN

PARTITION TYPE M

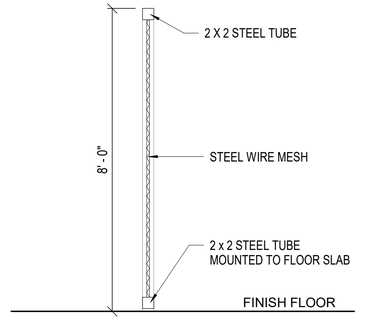


PARTITION TYPE M1CD

PARTITION TYPE M1CA

TYPE	STC	HEAD DETAIL	BASE DETAIL	TYPE COMMENTS
M1CA	-	A3/A-511	A6/A-511	8" NOMINAL MASONRY, EXTEND TO DECK ABOVE
M1CD	-	-	A6/A-511	8" NOMINAL MASONRY TO 6 FT A.F.F, WITH 2 FT WIRE MESH PARTITION ABOVE

PARTITION TYPE W1AB



PARTITION TYPE W1AB

TYPE	TYPE COMMENTS
W1AB	8 FT HIGH, INTERIOR STAINLESS STEEL WIRE MESH PARTITION

US Army Corps of Engineers ®

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PARTITION TYPES

COMMONWEALTH OF VIRGINIA
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SHEET ID
A-501

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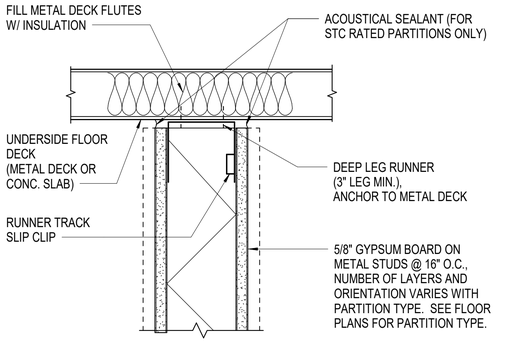
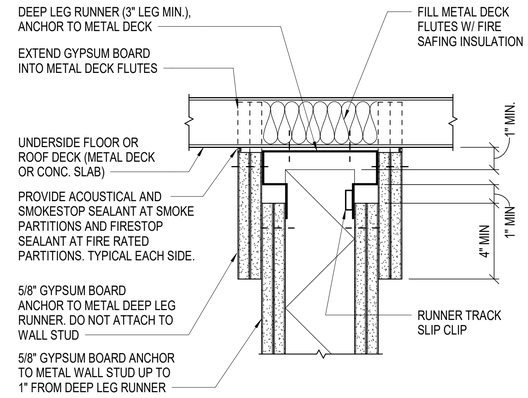
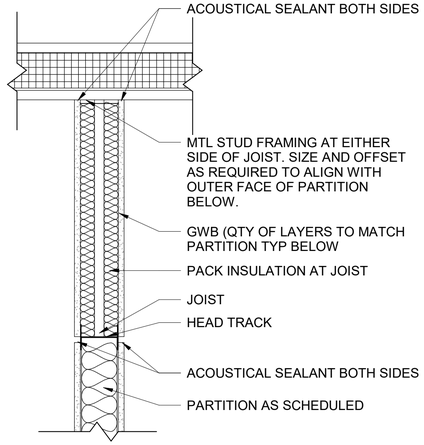


E1 INTERIOR PARTITION DETAILS
3" = 1'-0"

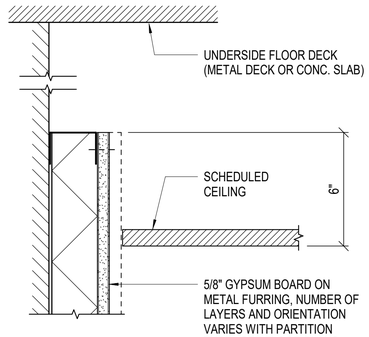


UL SYSTEM NUMBER: HW-D-0042

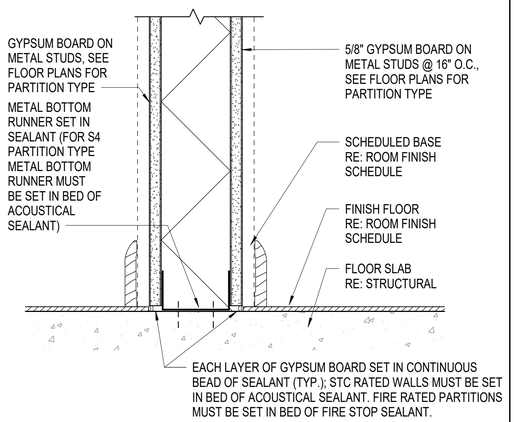
E3 INTERIOR PARTITION DETAILS
3" = 1'-0"



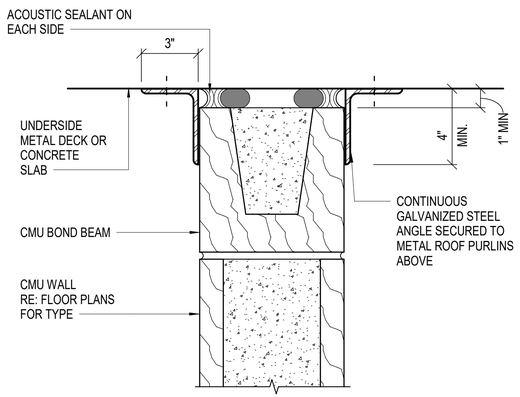
C1 TYP HEAD/JOIST DETAIL
1 1/2" = 1'-0"



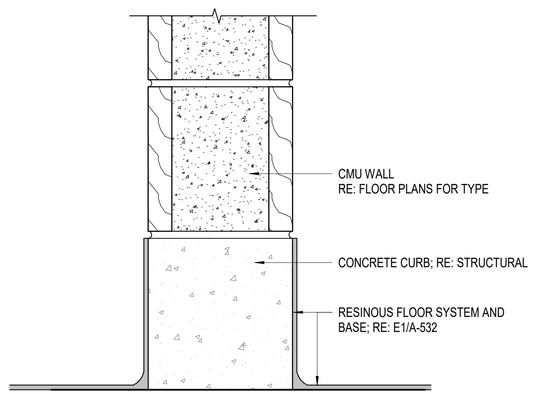
C3 INTERIOR PARTITION DETAILS
3" = 1'-0"



A1 INTERIOR PARTITION DETAILS
3" = 1'-0"



A3 INTERIOR PARTITION DETAILS
3" = 1'-0"



A6 CMU BASE DETAIL
3" = 1'-0"

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-001
FILE NAME: 189618 A_CENTRAL

DESIGN BY: C. TOSLOSKIE
DRAWN BY: C. TOSLOSKIE
CHECKED BY: E. VELAZQUEZ
SUBMITTED BY: E. VELAZQUEZ
SIZE: ANSI D

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69282

PARTITION TYPE DETAILS

COMMONWEALTH OF VIRGINIA
ERIK VELAZQUEZ
Lic. No.016157
1/21/2026
ARCHITECT

SHEET ID
A-511

READY TO ADVERTISE (RTA)

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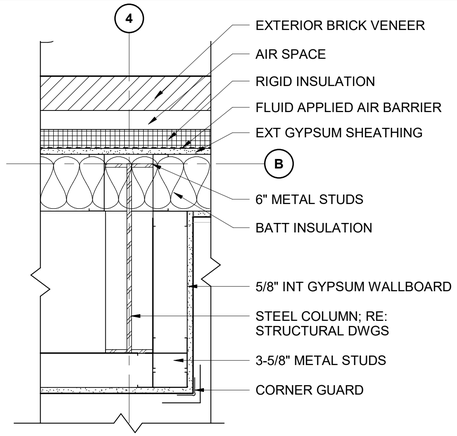
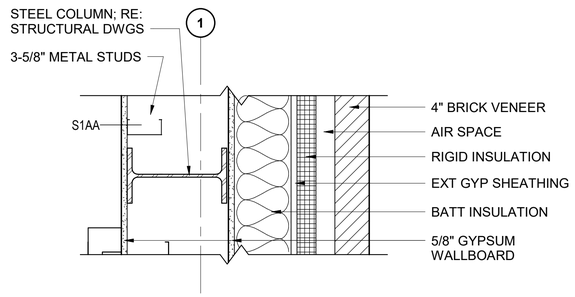


F1 PLAN DETAIL
1 1/2" = 1'-0"
0 1/2' 1' 1 1/2'



F4 PLAN DETAIL
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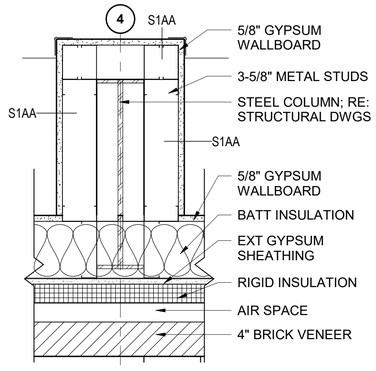
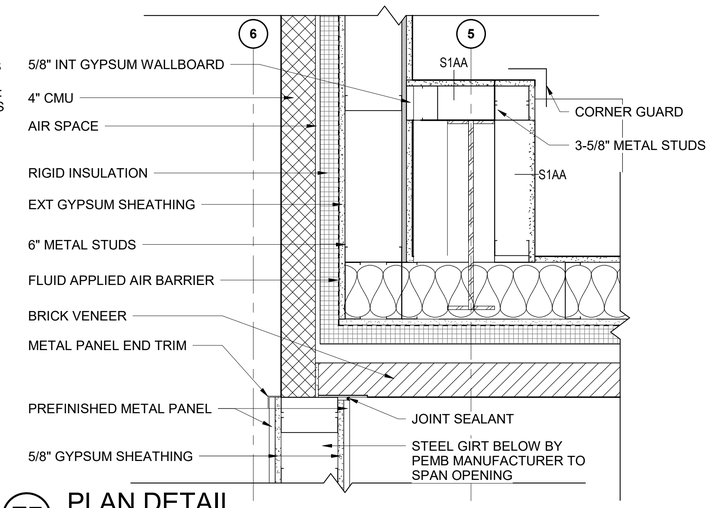
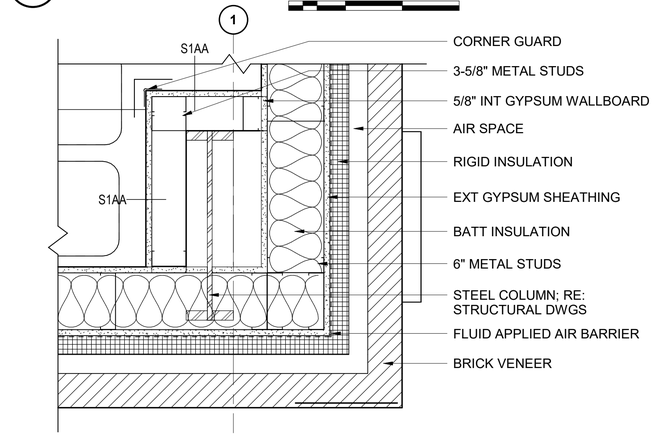


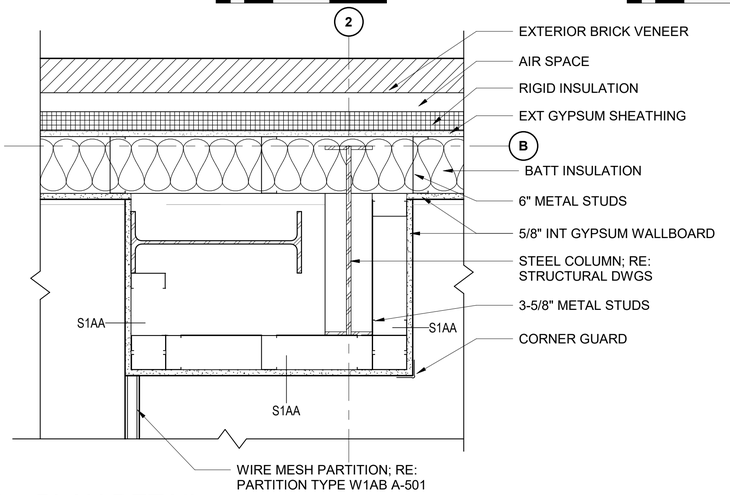
F6 PLAN DETAIL
1 1/2" = 1'-0"
0 1/2' 1' 1 1/2'



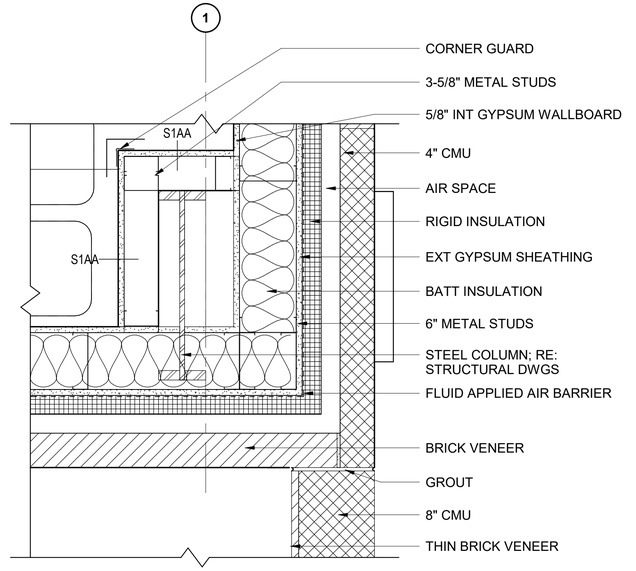
E7 PLAN DETAIL
1 1/2" = 1'-0"
0 1/2' 1' 1 1/2'



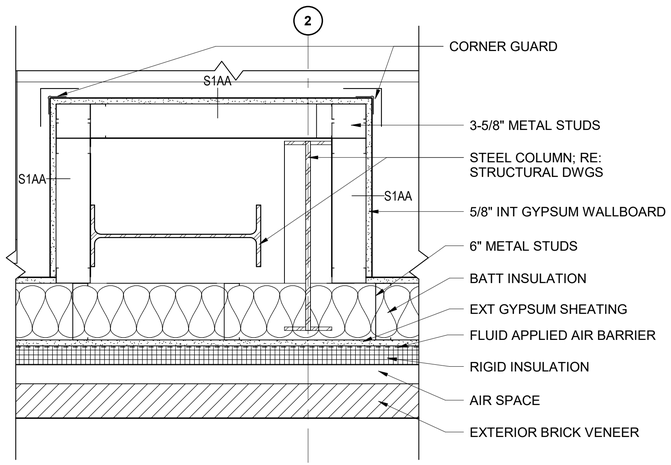
D1 PLAN DETAIL
1 1/2" = 1'-0"
0 1/2' 1' 1 1/2'



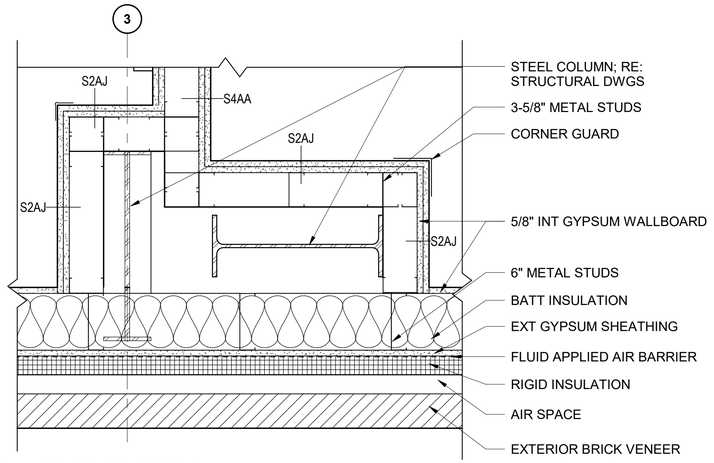
D4 PLAN DETAIL
1 1/2" = 1'-0"
0 1/2' 1' 1 1/2'



C7 PLAN DETAIL
1 1/2" = 1'-0"
0 1/2' 1' 1 1/2'



A1 PLAN DETAIL
1 1/2" = 1'-0"
0 1/2' 1' 1 1/2'



A4 PLAN DETAIL
1 1/2" = 1'-0"
0 1/2' 1' 1 1/2'

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-001
FILE NAME: 189618 A_CENTRAL
SIZE: ANSI D

DESIGN BY: C. TOSLOSKIE
DRAWN BY: C. TOSLOSKIE
CHECKED BY: E. VELAZQUEZ
SUBMITTED BY: E. VELAZQUEZ

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

PARTITION TYPE DETAILS

COMMONWEALTH OF VIRGINIA
ERIK VELAZQUEZ
Lic. No.016157
1/21/2026
ARCHITECT

SHEET ID
A-512

READY TO ADVERTISE (RTA)

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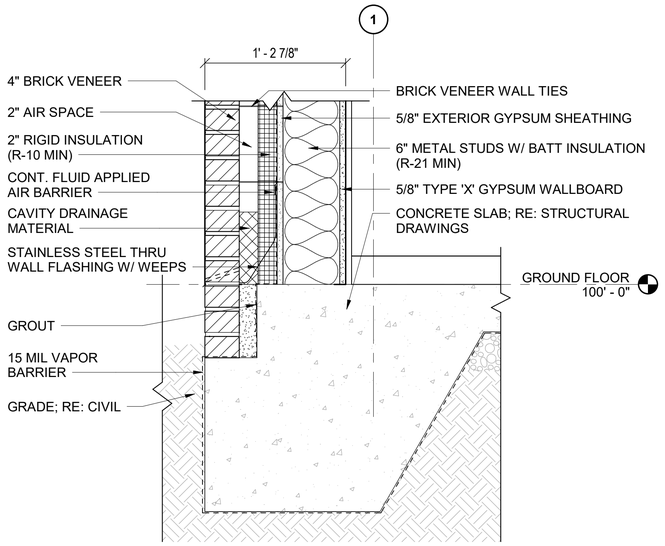
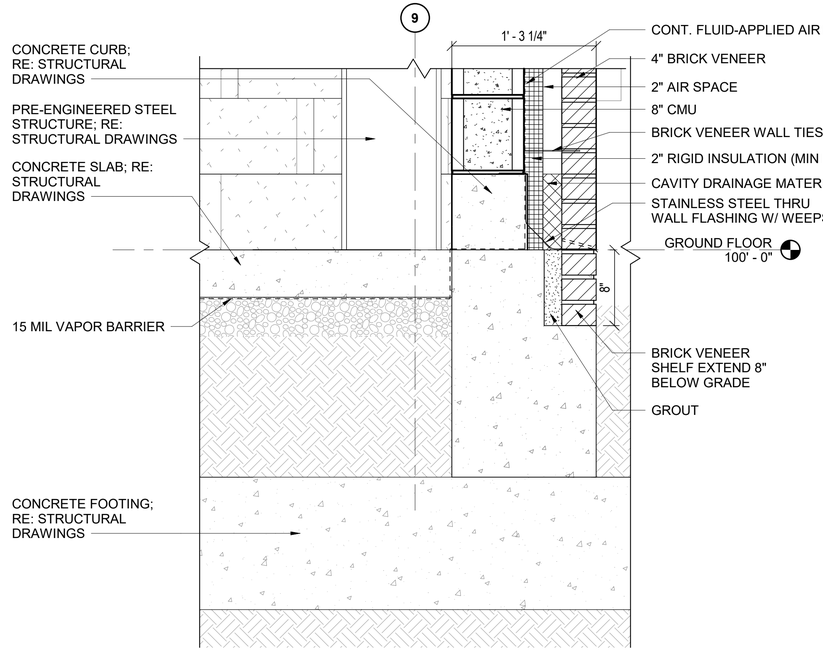
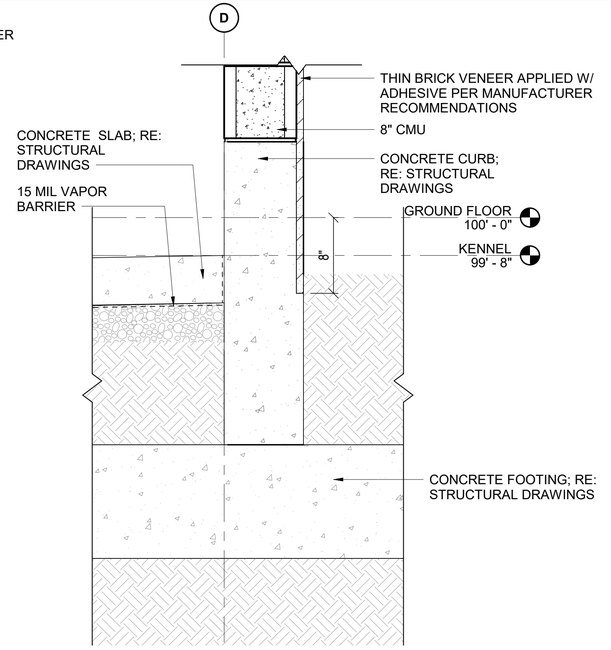


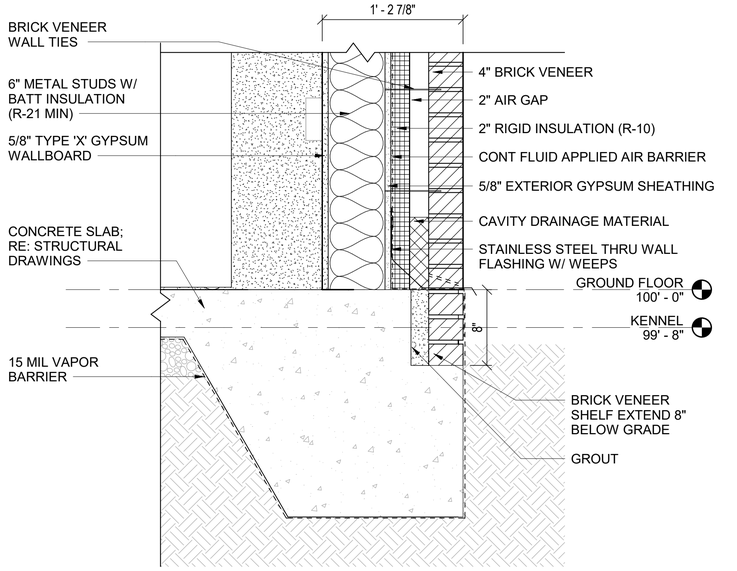
E1 SECTION DETAIL
1 1/2" = 1'-0"
0 1/2' 1' 1 1/2'



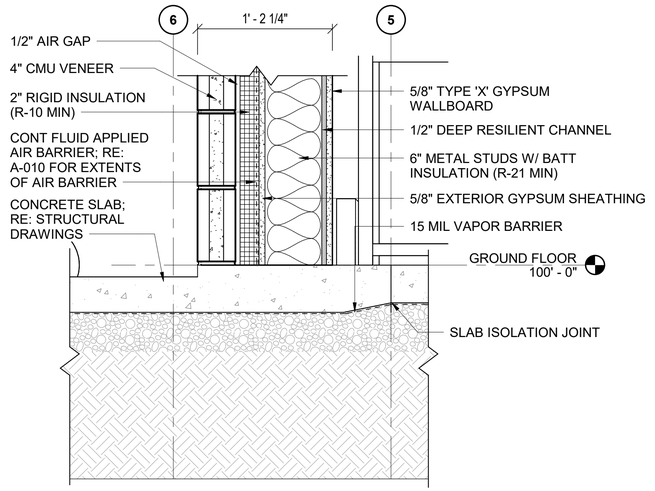
D4 SECTION DETAIL
1 1/2" = 1'-0"
0 1/2' 1' 1 1/2'



D8 SECTION DETAIL
1 1/2" = 1'-0"
0 1/2' 1' 1 1/2'



A1 SECTION DETAIL
1 1/2" = 1'-0"
0 1/2' 1' 1 1/2'



A5 SECTION DETAIL @ ISOLATION JOINT
1 1/2" = 1'-0"
0 1/2' 1' 1 1/2'

US Army Corps of Engineers ®

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

MARK	DESCRIPTION	DATE

DESIGN BY: C. TOSLOSKIE
DRAWN BY: C. TOSLOSKIE
CHECKED BY: E. VELAZQUEZ
SUBMITTED BY: E. VELAZQUEZ
SIZE: ANSI D
FILE NAME: 189618 A_CENTRAL
ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-001

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

WALL SECTION DETAILS

COMMONWEALTH OF VIRGINIA
ERIK VELAZQUEZ
Lic. No.016157
1/21/2026
ARCHITECT

SHEET ID
A-521

READY TO ADVERTISE (RTA)

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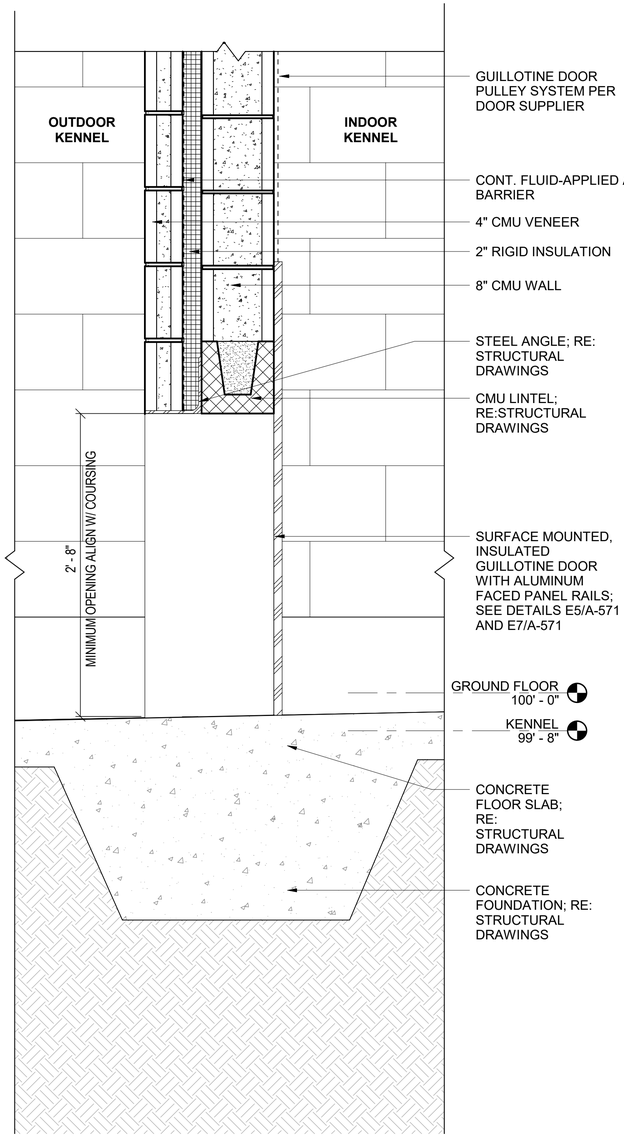
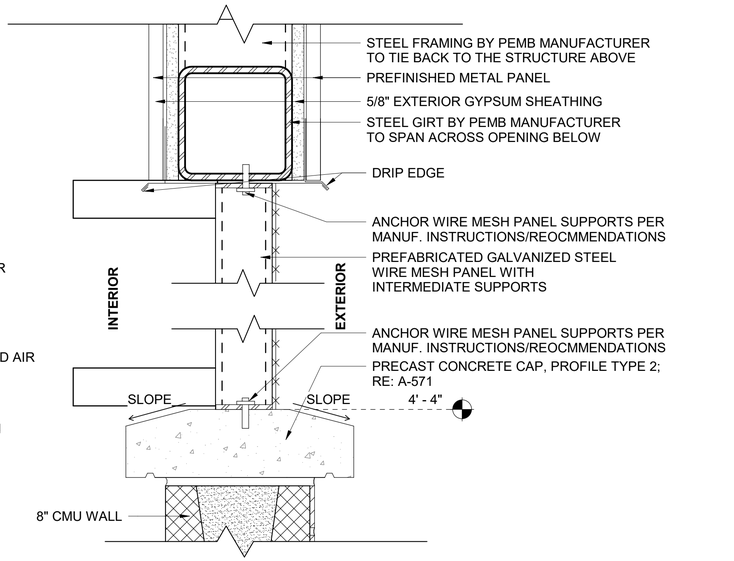
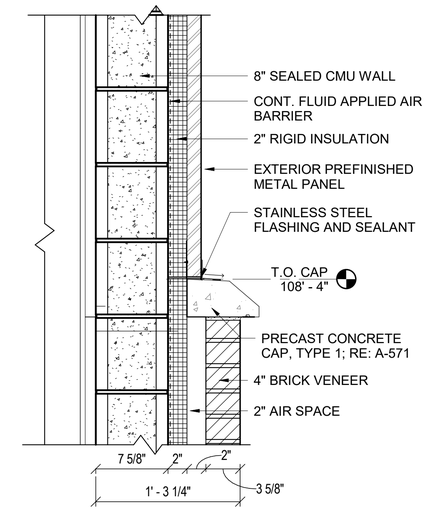


A1 GUILLOTINE DOOR HEAD
1 1/2" = 1'-0"

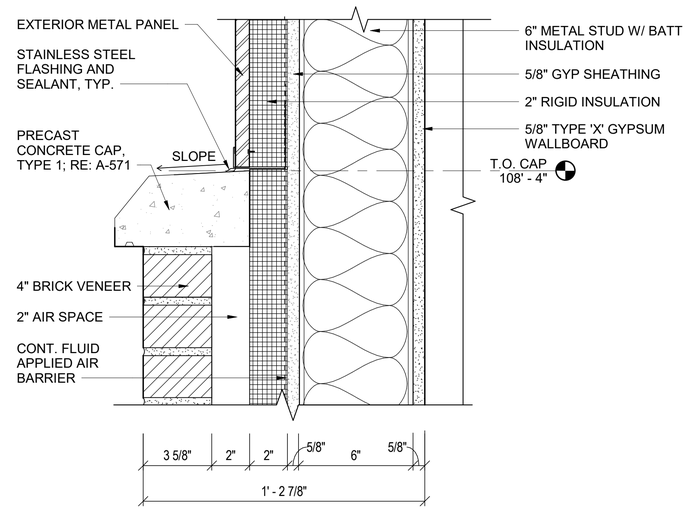


*NOTE: SEALANT MUST BE ADDED AT ALL JOINTS WITHIN THE INDOOR AND OUTDOOR KENNEL PORTION OF THE MWD FACILITY TO ACCOMMODATE WASHDOWN CONDITIONS

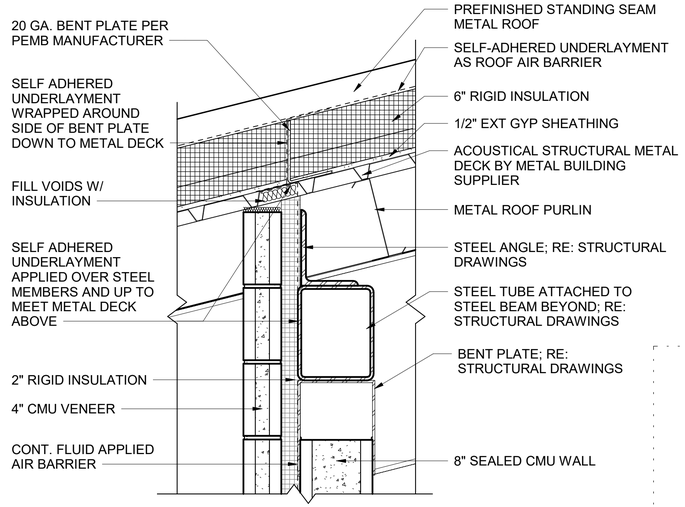
D4 CONC CAP AND HEAD @ EXT KENNEL CORRIDOR
3" = 1'-0"



D8 CONCRETE CAP @ CMU WALL
1 1/2" = 1'-0"



A4 TYP PRECAST CONCRETE CAP
3" = 1'-0"



A7 WALL DETAIL
1 1/2" = 1'-0"

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-001
FILE NAME: 189618 A_CENTRAL
DESIGN BY: C. TOSLOSKIE
DRAWN BY: C. TOSLOSKIE
CHECKED BY: E. VELAZQUEZ
SUBMITTED BY: E. VELAZQUEZ
SIZE: ANSI D

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

WALL SECTION DETAILS

SHEET ID
A-522

READY TO ADVERTISE (RTA)

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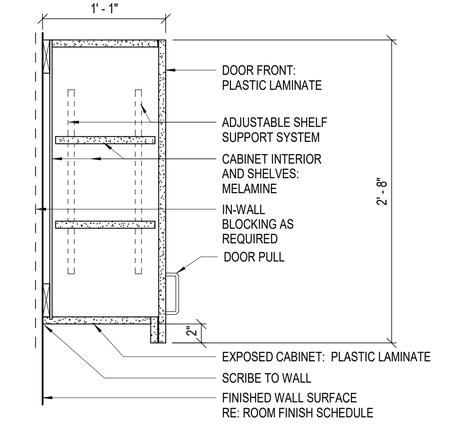
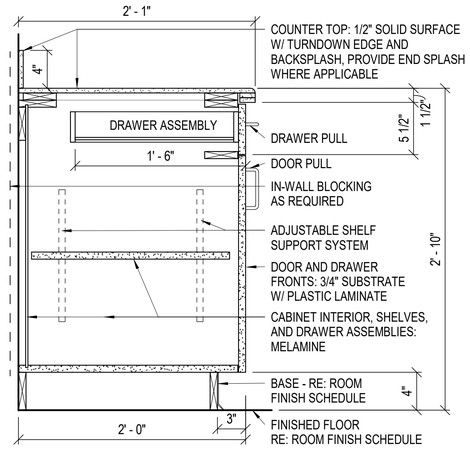


E1 SECTION AT UPPER CABINET

1 1/2" = 1'-0"

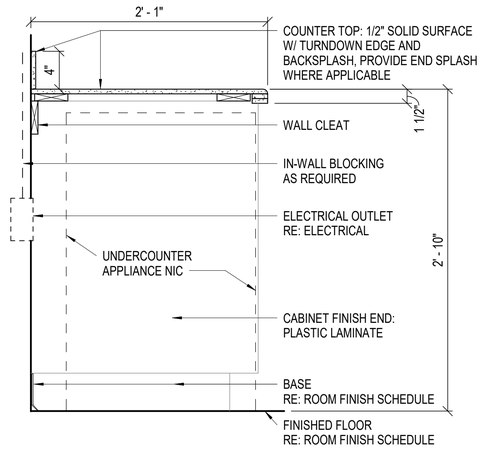
0 1/2' 1' 1 1/2'



E3 SECTION AT BASE CABINET

1 1/2" = 1'-0"

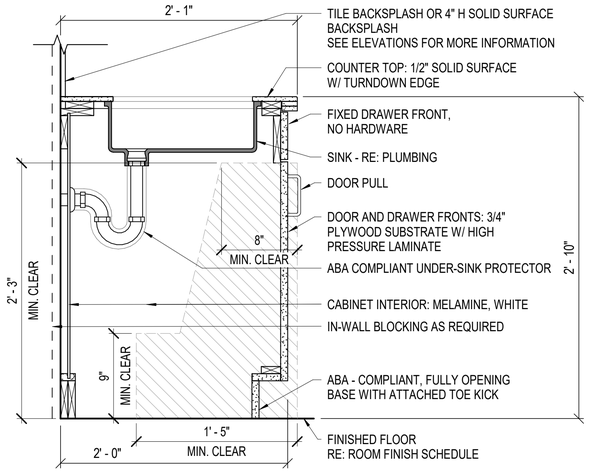
0 1/2' 1' 1 1/2'



E5 SECTION AT APPLIANCE CABINET

1 1/2" = 1'-0"

0 1/2' 1' 1 1/2'



E7 CASEWORK SECTION BASE CABINET - SINK

1 1/2" = 1'-0"

0 1/2' 1' 1 1/2'

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

DESIGN BY: MCO	ISSUE DATE: JANUARY 2026
DRAWN BY: MCO	SOLICITATION NO.: W912HN-26-B-A003
CHECKED BY: T. SPARKS	CONTRACT NO.:
SUBMITTED BY: E. VELAZQUEZ	CATEGORY CODE: 141-001-001
SIZE: ANSI D	FILE NAME: 189618 A_CENTRAL

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY'25, PN 69262

MILLWORK DETAILS

COMMONWEALTH OF VIRGINIA
ERIK VELAZQUEZ
Lic. No.016157
1/21/2026
ARCHITECT

SHEET ID

A-531

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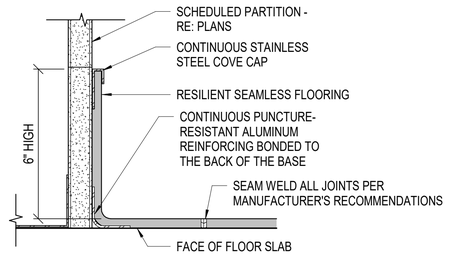
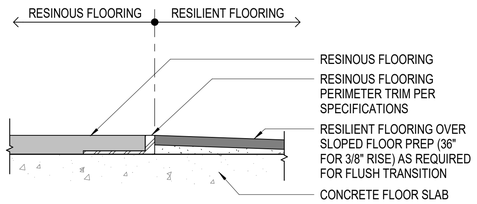
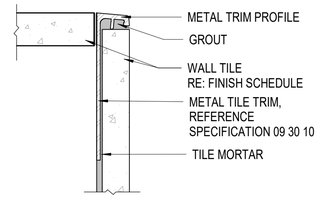


F1 RESILIENT BASE DETAIL
NTS

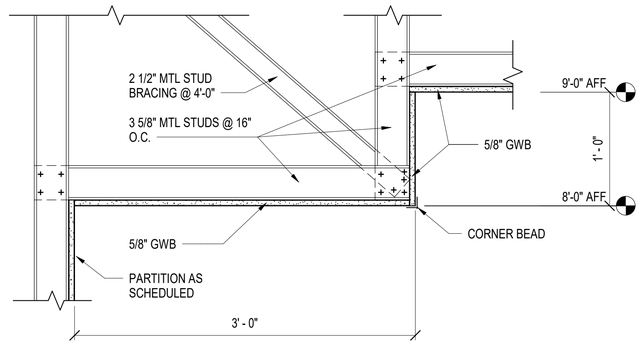


F3 FLOOR TRANSITION
12" = 1'-0"

0 1" 2"

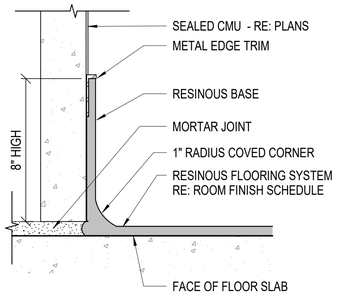


F5 WALL TILE - WALL TRANSITION
NTS

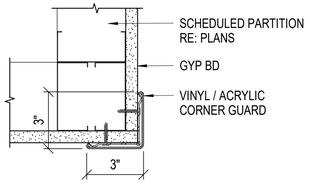


E8 SOFFIT DETAIL @ SHOWER
1 1/2" = 1'-0"

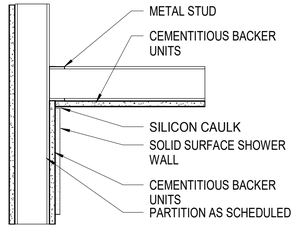
0 1/2' 1' 1 1/2'



E1 RESINOUS BASE DETAIL
NTS

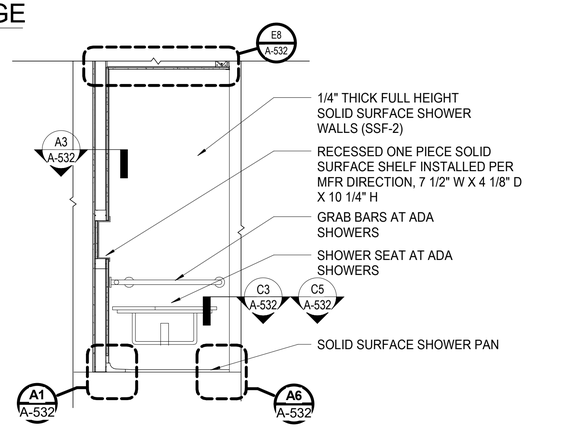


E3 CORNER GUARD
NTS



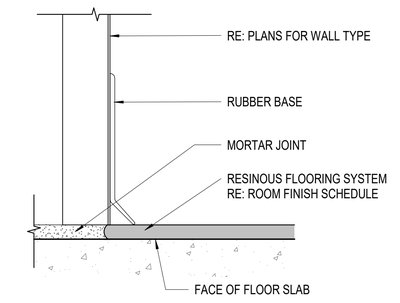
E5 SHOWER SECTION - INSIDE CEILING EDGE
1 1/2" = 1'-0"

0 1/2' 1' 1 1/2'

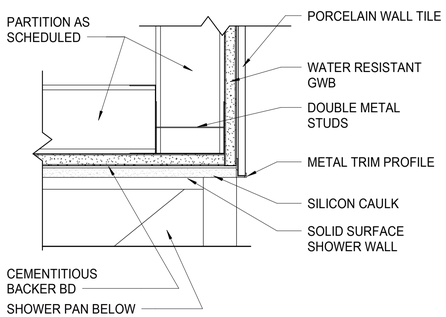


C8 SHOWER SECTION
1/2" = 1'-0"

0 1/2' 1' 1 1/2'

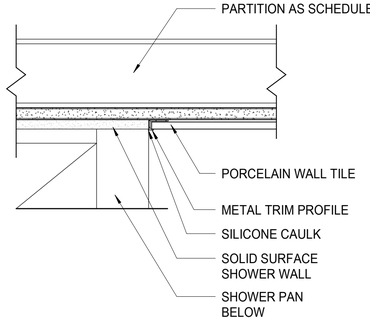


C1 RESINOUS RUBBER BASE DETAIL
NTS



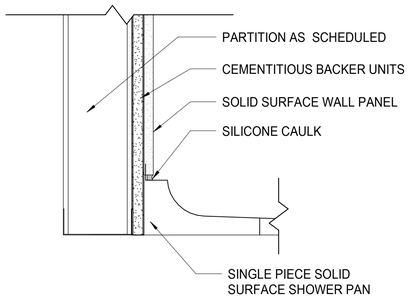
C3 SHOWER CORNER DETAIL
3" = 1'-0"

0 3" 6" 9"



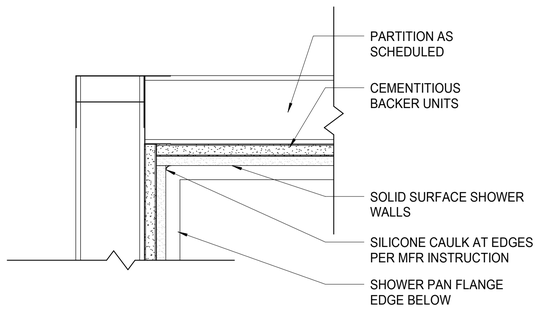
C5 SHOWER OUTSIDE CORNER DETAIL
3" = 1'-0"

0 3" 6" 9"



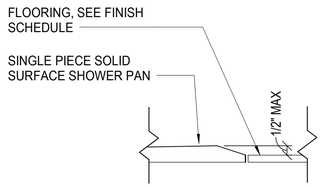
A1 SHOWER BASE DETAIL
3" = 1'-0"

0 3" 6" 9"



A3 SHOWER INSIDE CORNER DETAIL
3" = 1'-0"

0 3" 6" 9"



A6 ADA SHOWER PAN DETAIL
3" = 1'-0"

0 3" 6" 9"

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-001
FILE NAME: 189618 A_CENTRAL

DESIGN BY: MCO
DRAWN BY: MCO
CHECKED BY: T. SPARKS
SUBMITTED BY: E. LAZOFF
SIZE: ANSI D

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

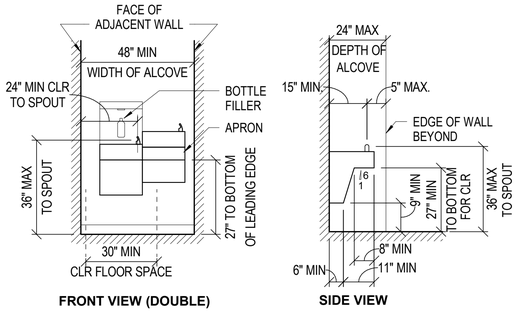
INTERIOR DETAILS

COMMONWEALTH OF VIRGINIA
ERIK VELAZQUEZ
Lic. No.016157
1/21/2026
ARCHITECT

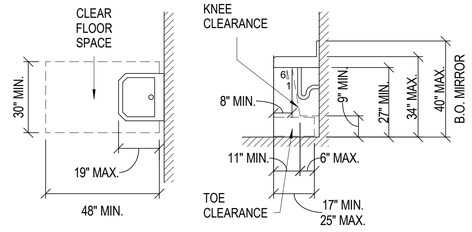
SHEET ID
A-532

READY TO ADVERTISE (RTA)

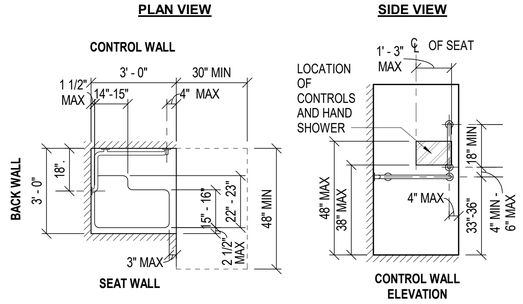
C:\Revit_Projects\143139_A_Central_ctosloskie.rvt
1/21/2026 8:58:55 AM



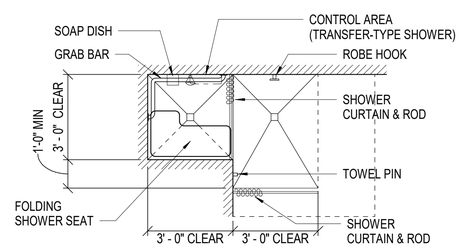
D1 ELECTRIC WATER COOLER
NTS



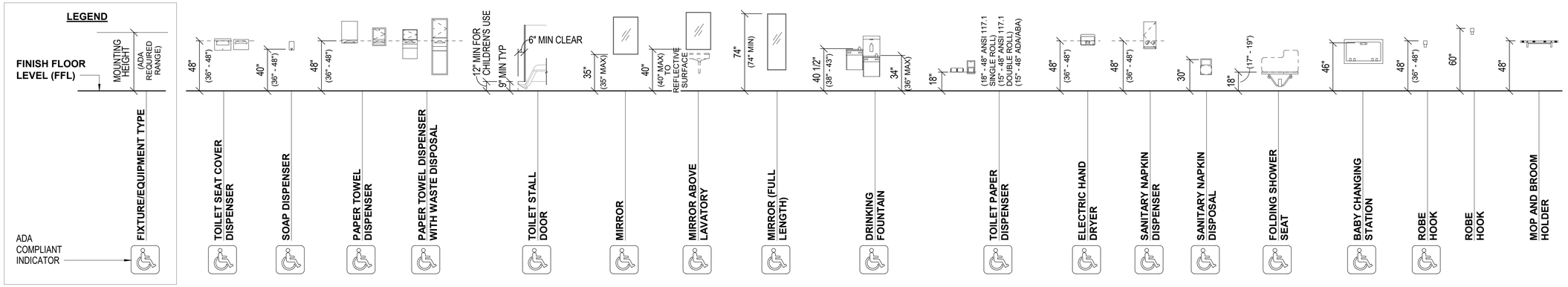
D2 LAVATORIES
NTS



D3 SHOWER STALLS
NTS

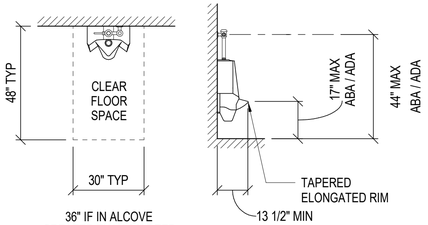


D4 ACCESSIBLE SHOWER STALL
NTS

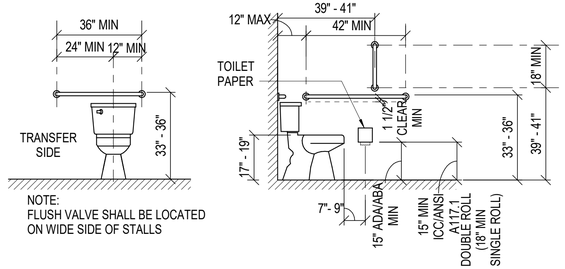


NOTE: PROVIDE BLOCKING FOR ALL TOILET ACCESSORIES AS NEEDED.

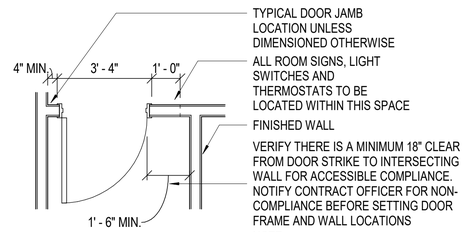
A1 STANDARD ACCESSIBLE MOUNTING HEIGHTS
NTS



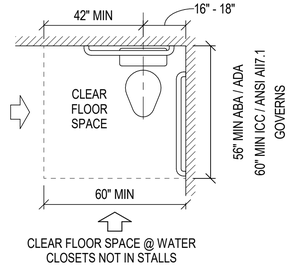
C1 URINALS
NTS



B1 GRAB BARS
NTS

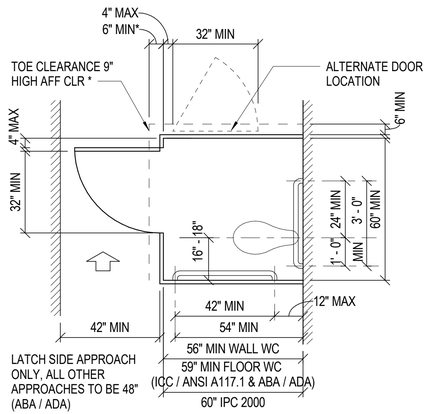


C2 DOOR CLEARANCES
NTS



B2 WATER CLOSETS
NTS

(NOTE: NOT EVERY ITEM OR CONDITION SHOWN ON THIS SHEET MAY OCCUR IN THIS PROJECT)



STANDARD STALL

1. WHERE "*" IS INDICATED - TOE CLEARANCE AT THE FRONT OF THE PARTITION IS NOT REQUIRED IN A COMPARTMENT GREATER THAN 62" DEEP WITH A WALL-HUNG WATER CLOSET OR 65" DEEP WITH A FLOOR-MOUNTED WATER CLOSET. TOE CLEARANCE AT THE SIDE IS NOT REQUIRED IN A COMPARTMENT GREATER THAN 66" WIDE (ICC / ANSI A117.1 / ABA / ADA). TOE CLEARANCE IS EXCLUSIVE OF PARTITION SUPPORT MEMBERS.

B3 STANDARD ACCESSIBLE STALLS
NTS

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

DESIGN BY: C. TOSLOSKIE
DRAWN BY: C. TOSLOSKIE
CHECKED BY: E. VELAZQUEZ
SUBMITTED BY: E. VELAZQUEZ
SIZE: ANSI D
ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-001
FILE NAME: 189618 A_CENTRAL

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS MCDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY'25, PN 69262

ABA/ADA STANDARD MOUNTING DIMENSIONS

SHEET ID
A-541

READY TO ADVERTISE (RTA)

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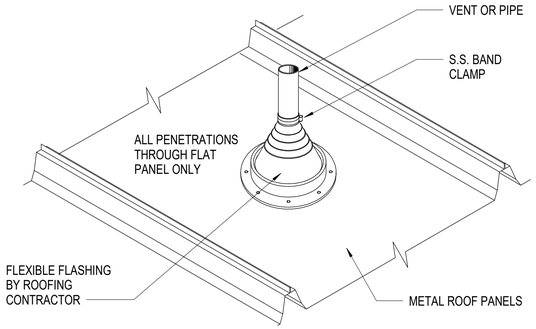
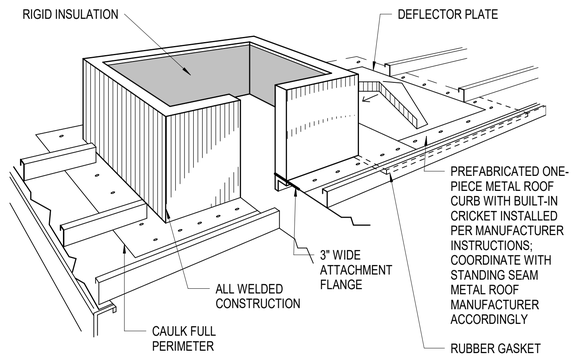
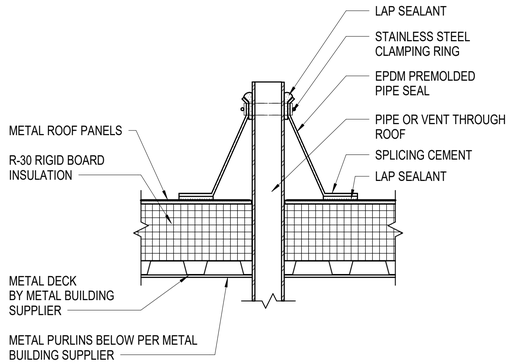


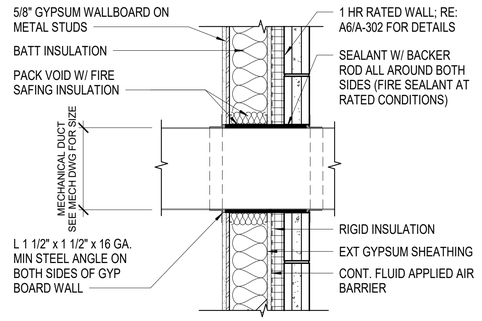
F1 TYP VENT/PIPE/ANTENNA PENETRATION
12" = 1'-0"



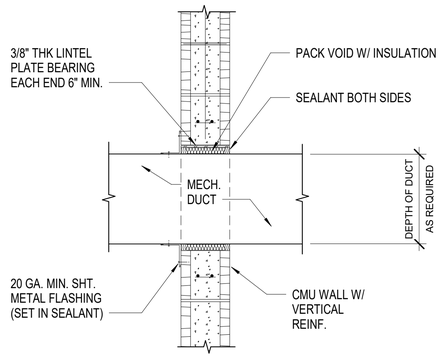
F3 CURB DETAIL - METAL ROOF
1 1/2" = 1'-0"



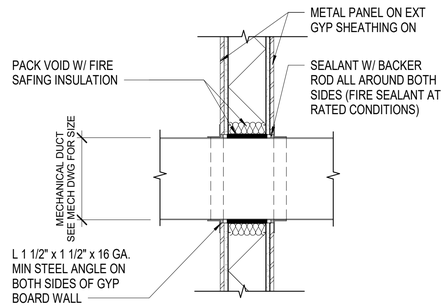
F6 VENT PENETRATION
1 1/2" = 1'-0"



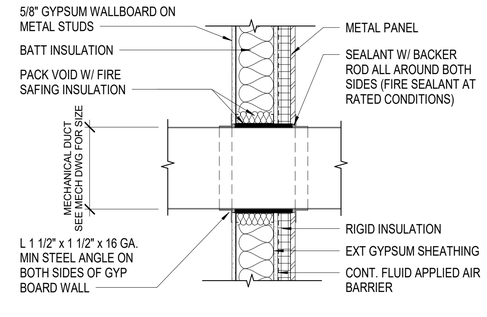
F9 DUCT PENETRATION @ 1 HR RATING
1" = 1'-0"



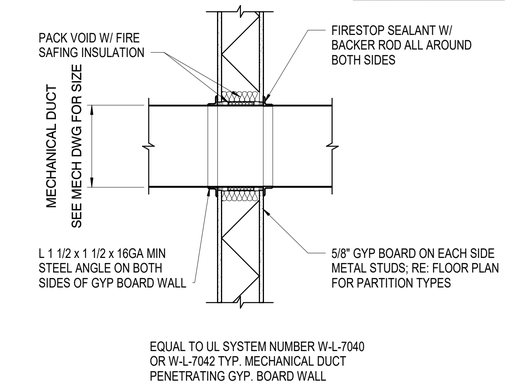
C1 DUCT THROUGH CMU WALL
1" = 1'-0"



C3 DUCT PENETRATION @ EXT WALL
1" = 1'-0"

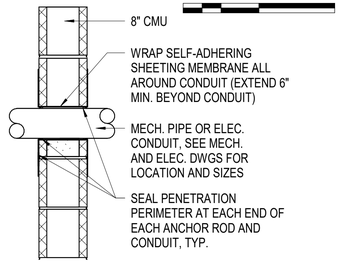


C6 DUCT PENETRATION @ EXT WALL
1" = 1'-0"

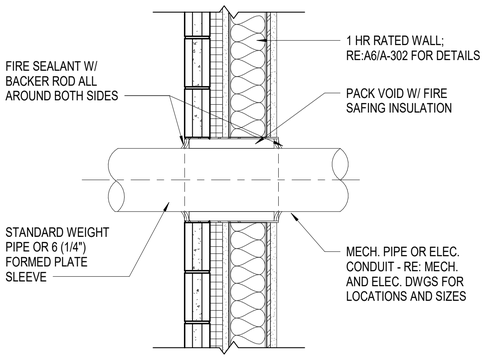


EQUAL TO UL SYSTEM NUMBER W-L-7040
OR W-L-7042 TYP. MECHANICAL DUCT
PENETRATING GYP. BOARD WALL

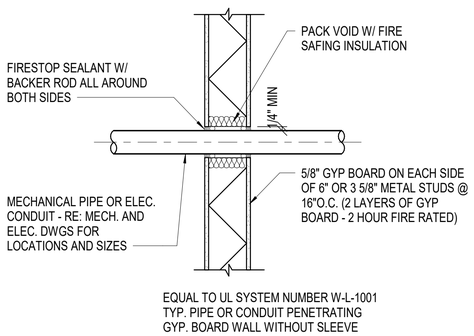
C8 DUCT PENETRATION @ GYP WALL
1" = 1'-0"



A8 WALL PENETRATION @ CMU WALL
1" = 1'-0"

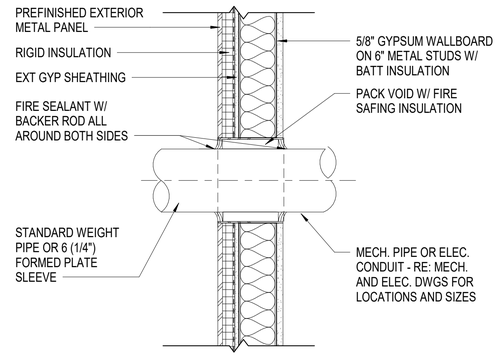


A1 WALL PENETRATION @ 1 HR RATING
1" = 1'-0"



EQUAL TO UL SYSTEM NUMBER W-L-1001
TYP. PIPE OR CONDUIT PENETRATING
GYP. BOARD WALL WITHOUT SLEEVE

A3 WALL PENETRATION @ INT STUD WALL
1" = 1'-0"



A6 WALL PENETRATION @ EXT WALL
1" = 1'-0"

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

TYPICAL PENETRATION DETAILS

COMMONWEALTH OF VIRGINIA
ERIK VELAZQUEZ
Lic. No.016157
1/21/2026
ARCHITECT

SHEET ID
A-551

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

DESIGN BY: C. TOSLOSKIE
DRAWN BY: C. TOSLOSKIE
CHECKED BY: E. VELAZQUEZ
SUBMITTED BY: E. VELAZQUEZ
SIZE: ANSI D
ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-001
FILE NAME: 189618 A_CENTRAL

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

READY TO ADVERTISE (RTA)

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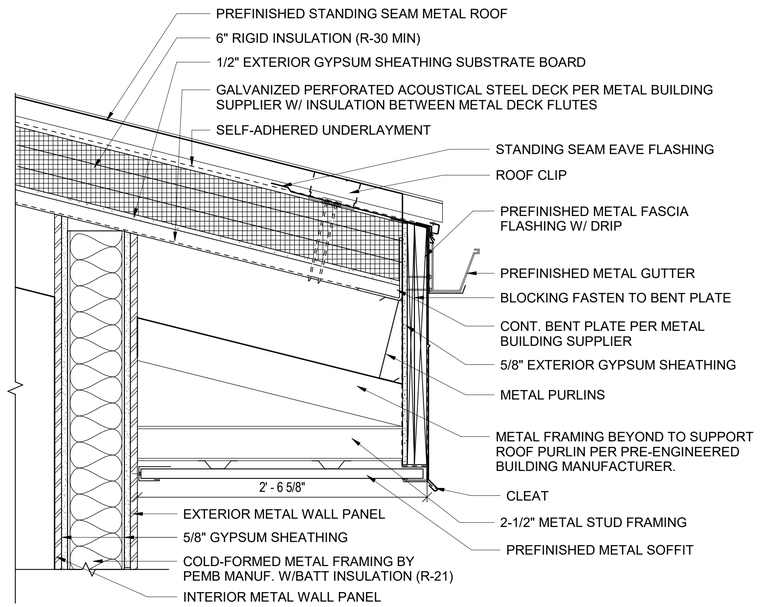
1/21/2026 8:58:55 AM

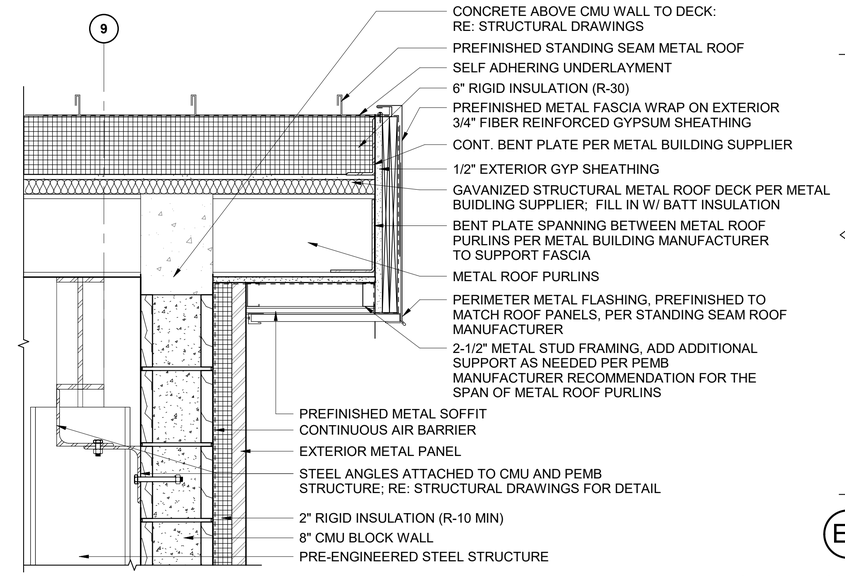


*NOTE: SOFFIT DETAIL REPRESENTS DESIGN INTENT; FINAL SOFFIT DESIGN IS DELEGATED PER THE PRE-ENGINEERED BUILDING MANUFACTURER

E1 TYPICAL ROOF GUTTER/SOFFIT - OUTDOOR KENNEL

1 1/2" = 1'-0"

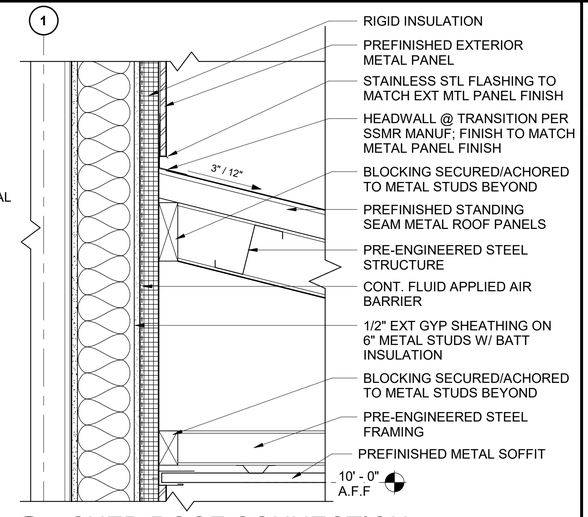
0 1/2' 1' 1 1/2'



E4 TYPICAL ROOF EDGE DETAIL

1 1/2" = 1'-0"

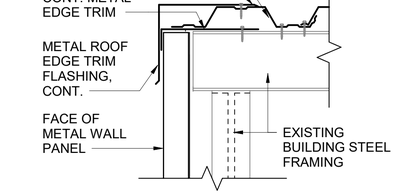
0 1/2' 1' 1 1/2'



E8 SHED ROOF CONNECTION

1 1/2" = 1'-0"

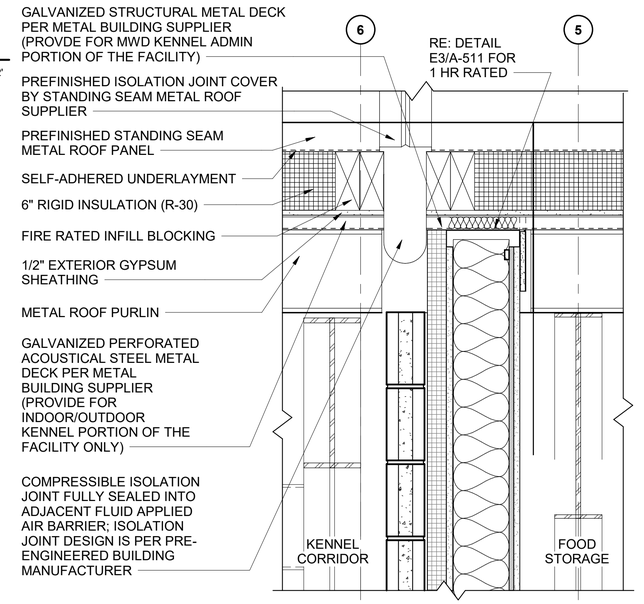
0 1/2' 1' 1 1/2'



D4 ROOF EDGE DETAIL - STORAGE

1 1/2" = 1'-0"

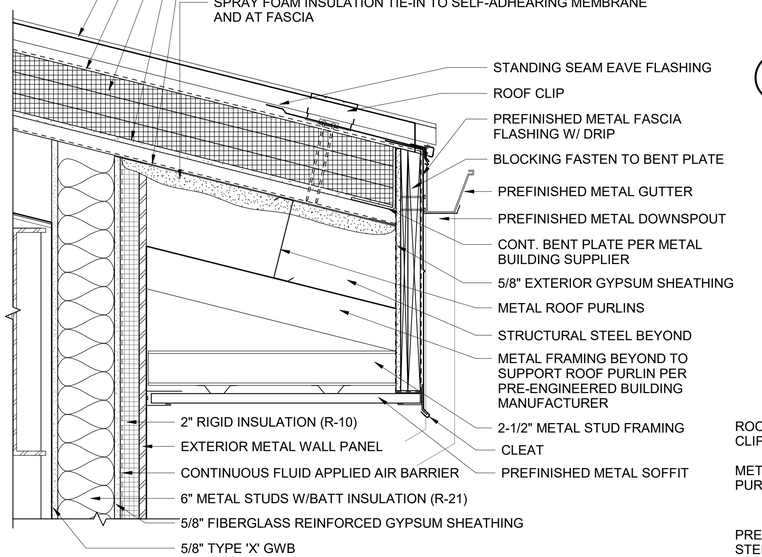
0 1/2' 1' 1 1/2'



B7 ROOF ISOLATION JOINT

1 1/2" = 1'-0"

0 1/2' 1' 1 1/2'

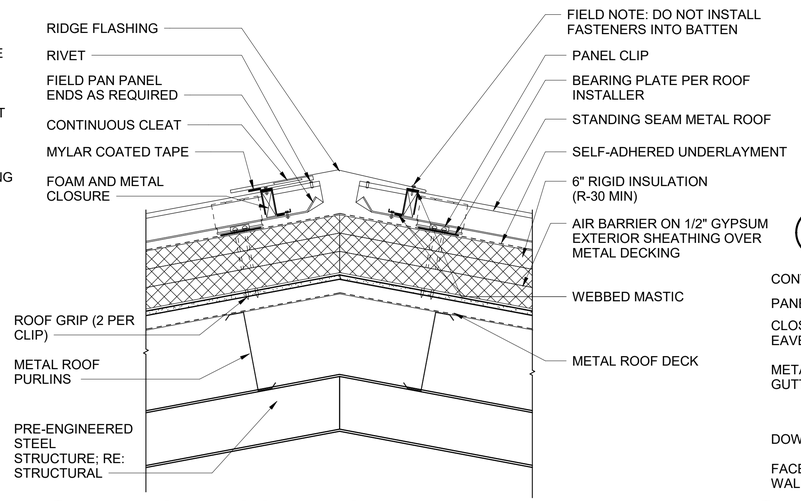


*NOTE: SOFFIT DETAIL REPRESENTS DESIGN INTENT; FINAL SOFFIT DESIGN IS DELEGATED PER THE PRE-ENGINEERED BUILDING MANUFACTURER

A1 TYPICAL ROOF GUTTER/SOFFIT - MWD KENNEL

1 1/2" = 1'-0"

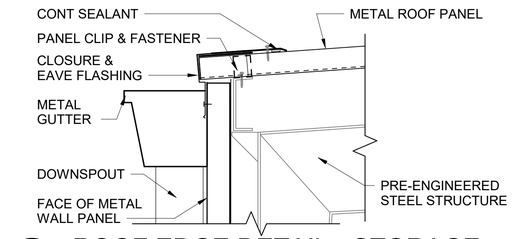
0 1/2' 1' 1 1/2'



A4 TYPICAL ROOF RIDGE

1 1/2" = 1'-0"

0 1/2' 1' 1 1/2'



A7 ROOF EDGE DETAIL - STORAGE

1 1/2" = 1'-0"

0 1/2' 1' 1 1/2'

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE:	JANUARY, 2026
SOLICITATION NO.:	W912HN-26-B-A003
CONTRACT NO.:	
CATEGORY CODE:	141-001-001
FILE NAME:	189618 A_CENTRAL
SIZE: ANSI D	

DESIGN BY:	C. TOSLOSKIE
DRAWN BY:	C. TOSLOSKIE
CHECKED BY:	E. VELAZQUEZ
SUBMITTED BY:	E. VELAZQUEZ

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

ROOF DETAILS

COMMONWEALTH OF VIRGINIA
ERIK VELAZQUEZ
Lic. No.016157
1/21/2026
ARCHITECT

SHEET ID
A-561

READY TO ADVERTISE (RTA)

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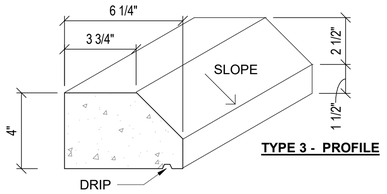
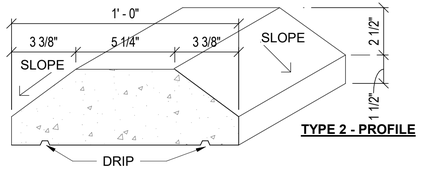
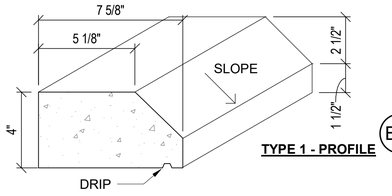
1/21/2026 8:58:56 AM



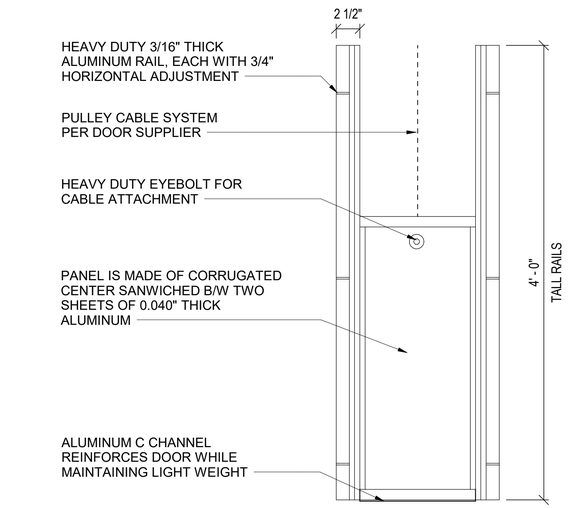
TYPE 3 - PROFILE



TYPE 2 - PROFILE



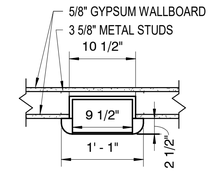
TYPE 1 - PROFILE

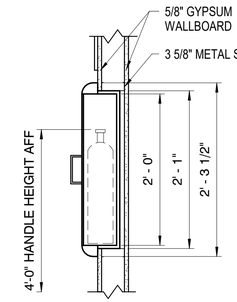


E3 GUILLOTINE DOOR HEAD

1 1/2" = 1'-0"

0 1/2' 1' 1 1/2'

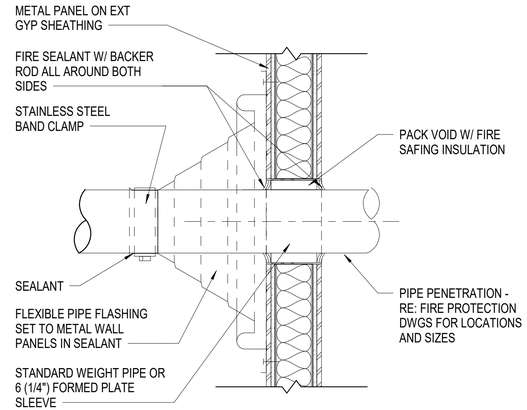




F6 FIRE EXTINGUISHER CABINET

1" = 1'-0"

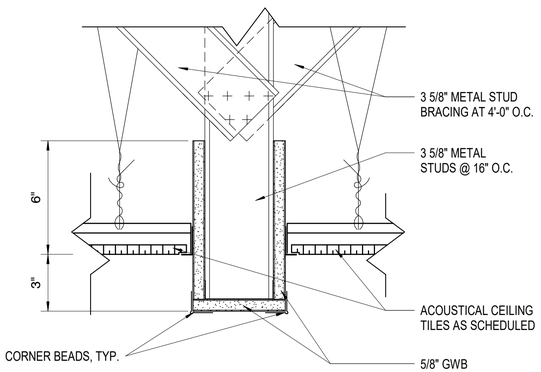
0 3" 6" 9"



E8 WALL PENETRATION @ EXT WALL

SCALE 1" = 1'-0"

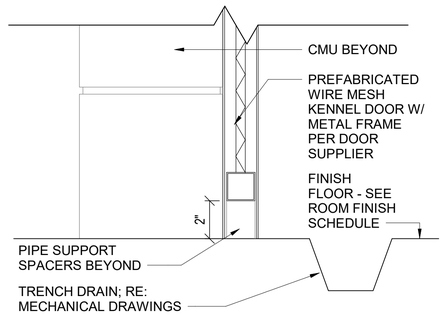
0 1/2' 1' 2'



C6 SOFFIT DETAIL

3" = 1'-0"

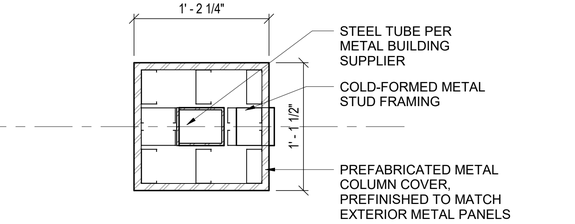
0 3" 6" 9"



C9 DOOR SILL DETAIL

SCALE 3" = 1'-0"

0 3" 6" 9"



B.1

C3 COLUMN DETAIL - METAL PANEL

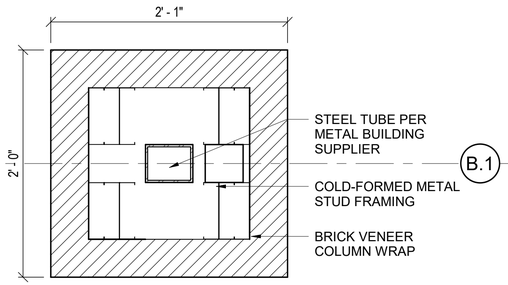
1 1/2" = 1'-0"

0 1/2' 1' 1 1/2'

C1 PRECAST CONCRETE SILL BAND

3" = 1'-0"

0 3" 6" 9"

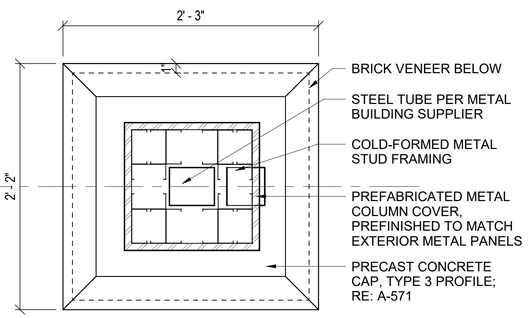


B.1 B.1

A1 COLUMN DETAIL - BRICK VENEER

1 1/2" = 1'-0"

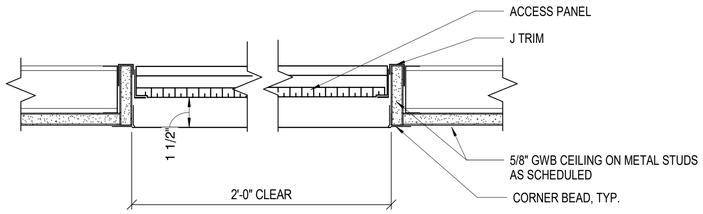
0 1/2' 1' 1 1/2'



A3 COLUMN DETAIL - PRECAST CAP

1 1/2" = 1'-0"

0 1/2' 1' 1 1/2'



A6 ACCESS PANEL

3" = 1'-0"

0 1/2' 1' 1 1/2'

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-001
DESIGN BY: C. TOSLOSKIE
DRAWN BY: C. TOSLOSKIE
CHECKED BY: E. VELAZQUEZ
SUBMITTED BY: E. VELAZQUEZ
FILE NAME: 18968 18 A_CENTRAL
SIZE: ANSI D

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER army AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

MISCELLANEOUS DETAILS

COMMONWEALTH OF VIRGINIA
ERIK VELAZQUEZ
Lic. No.016157
1/21/2026
ARCHITECT

SHEET ID
A-571

READY TO ADVERTISE (RTA)

C:\Revit_Projects\143139_A_Central_ctosloskie.rvt
1/21/2026 8:58:56 AM

ROOM FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR	BASE	WALLS				CEILING	REMARKS
				NORTH	EAST	SOUTH	WEST		
MWD FACILITY									
100	VESTIBULE	RES-1 / WOM-1	RB-1	PA-1	PA-1	PA-1	PA-1	ACT-1	
101	CORRIDOR	RES-1	RB-1	PA-1	PA-1	PA-1	PA-1	ACT-1	
102	KENNEL MASTER	RES-1	RB-1	PA-1	PA-2	PA-1	PA-1	ACT-1	
103	TRAINER	RES-1	RB-1	PA-1	PA-1	PA-1	PA-2	ACT-1	
104	MULTI-PURPOSE HANDLERS	RES-1	RB-1	PA-1	PA-1	PA-1	PA-1 / PA-2	ACT-1	
106	MENS TOILET	RES-1	TLP-1	TLP-1	TLP-1	TLP-1	TLP-1 / TLP-2	PE-2	
107	FEMALE TOILET	RES-1	TLP-1	TLP-1	TLP-1 / TLP-2	TLP-1	TLP-1	PE-2	
108	TELECOM	RF-2	RB-1	PA-1	PA-1	PA-1	PA-1	PA-4	
109	ELECTRICAL	CS-1	RB-1	PA-1	PA-1	PA-1	PA-1	PA-4	
110	MECHANICAL	CS-1	RB-1	PA-1	PA-1	PA-1	PA-1	PA-4	
111	VETERINARY TREATMENT	RF-1	INT-RF	PE-1 / IRP-1	PE-1 / IRP-1	PE-1 / IRP-1	PE-1 / IRP-1	ACT-2	
112	SURGERY	RF-1	INT-RF	PE-1 / IRP-1	PE-1 / IRP-1	PE-1 / IRP-1	PE-1 / IRP-1	ACT-2	
113	FOOD STORAGE	RES-1	RB-1	PA-1	PA-1	PA-1	PA-1	ACT-1	
114	HALL	RES-1 / WOM-1	RB-1	PA-1	PA-1	PA-1	PA-1	ACT-1	
115	TACK ROOM	RES-1	RB-1	PE-1 / IRP-1	PE-1 / IRP-1	PE-1 / IRP-1	PE-1 / IRP-1	ACT-1	
116	MOTHERS ROOM	RES-1	RB-1	PA-1	PA-1	PA-1	PA-1	PA-4	
117	LOCKER ROOM	RES-1	RB-1	PA-1	PA-1	PA-1	PA-1	ACT-1	
120	KENNEL CORRIDOR	RES-1	INT-RES	PE-1	PE-1	PE-1 / AP-1	PE-1	PE-2	
121	OUTDOOR KENNEL	RES-1	INT-RES	-	-	AP-1	-	-	SEALED CMU WALLS
122	INDOOR KENNEL	RES-1	INT-RES	AP-1	-	-	-	ACT-3	SEALED CMU WALLS
123	KENNEL CORRIDOR	RES-1	INT-RES	PE-1	PE-1 / AP-1	PE-1	PE-1 / AP-1	ACT-3	
124	INDOOR KENNEL	RES-1	INT-RES	-	-	AP-1	-	ACT-3	SEALED CMU WALLS
125	OUTDOOR KENNEL	RES-1	INT-RES	AP-1	-	-	-	-	SEALED CMU WALLS
126	KENNEL CORRIDOR	RES-1	INT-RES	PE-1 / AP-1	PE-1	PE-1	PE-1	PE-2	
127	QUARANTINE CORRIDOR	RES-1	INT-RES	PE-1 / AP-1	PE-1	PE-1	PE-1	-	
128	OUTDOOR QUARANTINE	RES-1	INT-RES	AP-1	AP-1	-	AP-1	-	SEALED CMU WALLS
129	INDOOR QUARANTINE	RES-1	INT-RES	-	-	AP-1	-	ACT-3	SEALED CMU WALLS
130	QUARANTINE VESTIBULE	RES-1	INT-RES	PE-1	PE-1	PE-1	PE-1	ACT-3	
131	INDOOR QUARANTINE	RES-1	INT-RES	AP-1	-	-	-	ACT-3	SEALED CMU WALLS
132	OUTDOOR QUARANTINE	RES-1	INT-RES	PE-1	AP-1	AP-1	AP-1	-	SEALED CMU WALLS
133	QUARANTINE CORRIDOR	RES-1	INT-RES	PE-1	PE-1	PE-1 / AP-1	PE-1	-	
OUTDOOR FACILITIES									
141	BREAK AREA	RES-1	INT-RES	-	-	-	-	-	SEALED CMU WALLS
151	STORAGE	CS-1	-	PE-1	PE-1	PE-1	PE-1	-	

GENERAL ROOM FINISH SCHEDULE NOTES:

1. REFER TO SPECIFICATIONS FOR THE BASIS OF DESIGN OR EQUIVALENT MANUFACTURER TECHNICAL REQUIREMENTS.
2. REFER TO INTERIOR ELEVATIONS, REFLECTED CEILING DRAWINGS, FLOOR FINISH DRAWINGS, WALL FINISH DRAWINGS, ENLARGED PLAN DRAWINGS AND INTERIOR DETAIL DRAWINGS FOR ADDITIONAL FINISH PLACEMENT INFORMATION.
3. REFER TO ELECTRICAL DRAWINGS, MECHANICAL DRAWINGS, STRUCTURAL DRAWINGS AND COMMUNICATION DRAWINGS FOR COORDINATION OF BUILDING FINISHES TO BUILDING SYSTEMS.
4. REFER TO REFLECTED CEILING DRAWINGS FOR CEILING HEIGHTS AND CEILING MATERIAL EXTENTS.
5. REFER TO ENLARGED TOILET DRAWINGS, WALL FINISH PLANS AND INTERIOR ELEVATIONS FOR PLACEMENT OF INTERIOR FINISHES IN TOILET/LOCKER ROOMS.
6. REFER TO MILLWORK DETAIL DRAWINGS AND INTERIOR ELEVATIONS FOR ASSIGNMENT OF SOLID SURFACE AND PLASTIC LAMINATE FINISHES AND ADDITIONAL INFORMATION.
7. PROVIDE BLOCKING AS REQUIRED TO SECURE ALL WALL MOUNTED ITEMS INCLUDING TOILET FIXTURES, TOILET ACCESSORIES, TOILET PARTITIONS, MILLWORK, SHELVES, COUNTERTOP SUPPORTS, MARKERBOARDS, TACKBOARDS, FLAT PANEL DISPLAYS, CAMERAS, ACOUSTICAL WALL PANELS AND ANY OTHER WALL MOUNTED OBJECT.
8. UNLESS NOTED OTHERWISE, ALL EXPOSED STRUCTURAL STEEL TO BE PAINTED.
9. ALL DOOR FRAMES TO MATCH ADJACENT WALL FINISH COLOR.
10. INTERIOR CAULKING TO MATCH ADJACENT WALL FINISH COLOR.
11. WALL CORNER GUARDS TO BE INSTALLED STARTING AT THE TOP OF THE SCHEDULED WALL BASE.
12. AT GYPSUM BOARD SOFFITS AND BULKHEADS, PAINT ALL EXPOSED SURFACES.
13. ALL EXPOSED MECHANICAL AND ELECTRICAL EQUIPMENT AND ASSOCIATED SUPPORTING EQUIPMENT TO BE PAINTED TO MATCH ADJACENT WALL FINISH COLOR UNLESS OTHERWISE REQUIRED BY CODE. COORDINATE WITH MECHANICAL / ELECTRICAL FOR FINISHES ON MECHANICAL OR ELECTRICAL EQUIPMENT.
14. DO NOT PAINT PRE-FINISHED ITEMS, FINISHED METAL SURFACES, OPERATING PARTS, LABELS OR WARNINGS.
15. REFER TO AND COORDINATE WITH FURNITURE DRAWINGS AND TYPICAL MOUNTING HEIGHTS DRAWING FOR WALL MOUNTING HEIGHTS OF FF&E, VISUAL DISPLAYS AND AUDIO VISUAL EQUIPMENT.
16. INSTALL COAT HOOK AT 5'-0" TO THE CENTER OF THE UNIT UNLESS NOTED OTHERWISE.
17. PROVIDE STAINLESS STEEL METAL TRANSITION PROFILES AT RESTROOMS ON ALL CORNERS AND EDGES.

FINISH LEGEND

MATERIAL	DESCRIPTION	MANUFACTURER	MODEL NUMBER	PRODUCT INFO	COLOR	REMARKS
CEILINGS						
ACT-1	ACOUSTICAL CEILING TILE - 24" x 24"	ARMSTRONG	2824	CALLA TEGULAR	WHITE	
ACT-2	CLEAN ROOM ACOUSTICAL CEILING TILE - 24" x 24"	ARMSTRONG	1354	CALLA HEALTH ZONE AIR AIRASSURE	WHITE	
ACT-3	PERFORATED METAL ACOUSTICAL CEILING TILE - 24" x 24"	ARMSTRONG	6461M2	METALWORKS TEGULAR	GUN METAL	
PA-4	PAINT - LATEX - FLAT	SHERWIN WILLIAMS	SW7007	-	CEILING BRIGHT WHITE	
PE-2	PAINT - EPOXY	SHERWIN WILLIAMS	SW7007	-	CEILING BRIGHT WHITE	
FLOORING						
CS-1	CONCRETE - SEALED	-	-	-	-	
RES-1	RESINOUS FLOORING	STONHARD	-	STONCLAD UT	MUSHROOM	
RF-1	RESILIENT FLOORING - SHEET VINYL - LOW GLOSS	ARMSTRONG	84850	HOMOGENEOUS SHEET FLOORING	FREESIA PEARL	
RF-2	RESILIENT FLOORING - STATIC DISSIPATIVE TILE	ARMSTRONG	51950	EXCELON SDT	MARBLE BEIGE	
WOM-1	WALK-OFF MAT - ROLL-UP SURFACE MOUNTED WITH CARPET INSERT	CS GROUP	-	PEDIMAT M1	SLATE	
MISCELLANEOUS						
AP-1	ACOUSTICAL PANEL - 47.75" W X 23.75" H X 2.25" THICK	LAB PRODUCTS	-	SOUNBREAK	FDA WHITE	
CH-1	COAT HOOK - 4 HOOKS	PETER PEPPER PRODUCTS	2143XLAL	COAT RACK - 4 HOOKS ON BAR	NATURAL ANODIZED ALUMINUM	
GR-1	GROUT	MAPEI	-	-	93 WARM GRAY	
LK-1	TWO-TIER Z-STYLE LOCKERS - HDPE	SCRANTON PRODUCTS	-	TUFFTEC LOCKERS	HUNTER GREEN	
MB-1	MARKER BOARD - 60" W x 48" H	CLARIDGE PRODUCTS	820L	800 SERIES	WHITE	
MB-2	MARKER BOARD - 96" W x 48" H	CLARIDGE PRODUCTS	826L	800 SERIES	WHITE	
MTL-1	METAL CASEWORK - STAINLESS STEEL	ONEPOINTE SOLUTIONS	-	STAINLESS STEEL	#4 FINISH	
PLAM-1	PLASTIC LAMINATE - CASEWORK	WILSONART	-	-	STUDIO TEAK	
SS-1	STAINLESS STEEL COUNTER TOP	-	-	-	STAINLESS STEEL	
SSF-1	SOLID SURFACE - COUNTER TOPS - 1/2" THICK	WILSONART	-	-	YUKON RIVERSTONE	
SSF-2	SOLID SURFACE - SHOWER WALL PANELS - 1/4" THICK	AVONITE	8106	-	IVORY	
TP-1	TOILET PARTITION - HDPE - ORANGE PEEL	SCRANTON PRODUCTS	-	HINDY HIDERS	HUNTER GREEN	
RESILIENT BASE						
INT-RES	INTEGRAL BASE - 8" H	STONHARD	-	STONCLAD UT	MUSHROOM	
INT-RF	INTEGRAL BASE - 6" H	ARMSTRONG	84850	HOMOGENEOUS SHEET FLOORING	FREESIA PEARL	
RB-1	RESILIENT BASE - 6" H	TARKETT	47	TRADITIONAL WALL BASE	BROWN	
TILE						
TLP-1	PORCELAIN TILE - WALL - 12" X 24"	FLORIDA TILE	-	URBAN FOUNDRY	ALUMINA	
TLP-2	PORCELAIN TILE - WALL - 12" X 24"	FLORIDA TILE	-	URBAN FOUNDRY	GRAPHITE	
WALL						
CG-1	CORNER GUARD - 3" WING	INPRO	-	-	0114 HAZE	
IRP-1	IMPACT-RESISTANT, HYGIENIC WALL PANEL - 4' H	ALTRO	-	WHITEROCK	LINEN	
PA-1	PAINT - LATEX - EGGSHELL - FIELD	SHERWIN WILLIAMS	SW7516	-	KESTREL WHITE	
PA-2	PAINT - LATEX - EGGSHELL - ACCENT	SHERWIN WILLIAMS	SW6072	-	VERSATILE GRAY	
PA-3	PAINT - LATEX - SEMI-GLOSS	SHERWIN WILLIAMS	SW7020	-	BLACK FOX	
PE-1	PAINT - EPOXY - FIELD	SHERWIN WILLIAMS	SW7516	-	KESTREL WHITE	

COMMONWEALTH OF VIRGINIA
ERIK VELAZQUEZ
Lic. No.016157
1/21/2026
ARCHITECT

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

DESIGN BY: MCO
DRAWN BY: MCO
CHECKED BY: T. SPARKS
SUBMITTED BY: JEFF JONES
SIZE: ANSI D
ISSUE DATE: JANUARY 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-1401-01
FILE NAME: 189618_A_CENTRAL

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

ROOM FINISH LEGEND & INTERIOR FINISH SCHEDULE

SHEET ID
A-601

READY TO ADVERTISE (RTA)

C:\Revit_Projects\143139_A_Central_ctosloskie.rvt
1/21/2026 8:58:57 AM

DOOR SCHEDULE

DOOR NUMBER	DOOR SIZE PAIR DOOR	DOOR SIZE Width	DOOR SIZE HEIGHT	DOOR TYPE	DOOR MATERIAL	DOOR FINISH	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	ASSEMBLY RATING	STC	DETAIL HEAD	DETAIL JAMB	DETAIL SILL	HARDWARE SET	REMARKS
GROUND FLOOR																
101		3' - 0"	7' - 0"	FL-IN	HM	PE-1	4.2	HM	PE-1	-	-	E1/A-613	C1/A-613	C9/A-571	1.0	1, 2
101A	-	3' - 0"	7' - 0"	F	HM	PE-1	1.1	HM	PE-1	-	50	E1/A-612	C1/A-612	A1/A-612	5.0	1, 2
102	-	3' - 0"	7' - 0"	NL	HM	PE-1	1.1	HM	PE-1	-	50	E1/A-612	C1/A-612	A1/A-612	9.0	-
103	-	3' - 0"	7' - 0"	NL	HM	PE-1	1.1	HM	PE-1	-	50	E1/A-612	C1/A-612	A1/A-612	9.0	-
104	-	3' - 0"	7' - 0"	NL	HM	PE-1	1.1	HM	PE-1	-	50	E1/A-612	C1/A-612	A1/A-612	10.0	-
106	-	3' - 0"	7' - 0"	F	HM	PE-1	1.1	HM	PE-1	-	50	E1/A-612	C1/A-612	A1/A-612	17.0	-
107	-	3' - 0"	7' - 0"	F	HM	PE-1	1.1	HM	PE-1	-	50	E1/A-612	C1/A-612	A1/A-612	18.0	-
108	-	3' - 0"	7' - 0"	F	HM	PE-1	1.1	HM	PE-1	-	50	E1/A-612	C1/A-612	A1/A-612	16.0	-
109	-	3' - 0"	7' - 0"	F-IN	HM	PE-1	1.2	HM	PE-1	-	-	E8/A-612	C8/A-612	A4/A-612	2.0	-
110	PR.	6' - 0"	7' - 0"	F-IN	HM	PE-1	1.2	HM	PE-1	-	-	E8/A-612	C8/A-612	A4/A-612	3.0	-
111	-	3' - 0"	7' - 0"	F	HM	PE-1	1.1	HM	PE-1	1 HR	50	E1/A-612	C1/A-612	A1/A-612	11.0	-
112	-	3' - 0"	7' - 0"	F	HM	PE-1	1.1	HM	PE-1	-	50	E1/A-612	C1/A-612	A1/A-612	7.0	-
113	-	3' - 0"	7' - 0"	NL	HM	PE-1	1.1	HM	PE-1	-	-	E1/A-612	C1/A-612	A1/A-612	12.0	-
113A	PR.	6' - 0"	7' - 0"	F-IN	HM	PE-1	1.2	HM	PE-1	-	-	E8/A-612	C8/A-612	A4/A-612	4.0	2
114A	-	3' - 0"	7' - 0"	F-IN	HM	PE-1	1.2	HM	PE-1	-	-	E8/A-612	C8/A-612	A4/A-612	1.0	2
115	-	3' - 0"	7' - 0"	NL	HM	PE-1	1.1	HM	PE-1	-	-	E1/A-612	C1/A-612	A1/A-612	12.0	-
115A	PR.	6' - 0"	7' - 0"	F-IN	HM	PE-1	1.2	HM	PE-1	-	-	E8/A-612	C8/A-612	A4/A-612	4.0	2
116	-	3' - 0"	7' - 0"	F	HM	PE-1	1.1	HM	PE-1	-	50	E1/A-612	C1/A-612	A1/A-612	18.0	-
117	-	3' - 0"	7' - 0"	F	HM	PE-1	1.1	HM	PE-1	-	45	E1/A-612	C1/A-612	A1/A-612	13.0	1, 2
117A	-	3' - 0"	7' - 0"	F	HM	PE-1	1.1	HM	PE-1	-	45	E1/A-612	C1/A-612	A1/A-612	13.0	1, 2
118	-	3' - 0"	7' - 0"	F	HM	PE-1	1.1	HM	PE-1	1 HR	50	E8/A-612	C8/A-612	A4/A-612	6.0	-
120A	-	3' - 0"	7' - 0"	NL-IN	HM	PE-1	1.2	HM	PE-1	-	-	E6/A-612	C6/A-612	6/A-612	1.0	2
120B	-	3' - 0"	7' - 0"	NL-IN	HM	PE-1	1.2	HM	PE-1	-	-	E6/A-612	C6/A-612	A4/A-612	1.0	2
121	-	3' - 0"	8' - 0"	WM	WM	-		HM	-	-	-	E6/A-613	C6/A-613	C9/A-571	-	4; QTY: 8
123	-	3' - 0"	8' - 0"	WM	WM/SS	-		HM	-	-	-	E6/A-613	C6/A-613	A4/A-613	-	3; QTY: 16
123A	-	3' - 0"	7' - 0"	NL-IN	HM	PE-1	1.2	HM	PE-1	-	-	E4/A-613	C4/A-613	A1/A-612	8.0	-
123B	-	3' - 0"	7' - 0"	NL-IN	HM	PE-1	1.2	HM	PE-1	-	-	E4/A-613	C4/A-613	A1/A-612	8.0	-
123C	-	3' - 0"	7' - 0"	NL-IN	HM	PE-1	1.2	HM	PE-1	-	-	E4/A-613	C4/A-613	A1/A-612	8.0	-
123D	-	3' - 0"	7' - 0"	NL-IN	HM	PE-1	1.2	HM	PE-1	-	-	E4/A-613	C4/A-613	A1/A-612	8.0	-
125	-	3' - 0"	8' - 0"	WM	WM	-		HM	-	-	-	E6/A-613	C6/A-613	C9/A-571	-	4; QTY: 8
126A	-	3' - 0"	7' - 0"	NL-IN	HM	PE-1	1.2	HM	PE-1	-	-	E6/A-612	C6/A-612	A4/A-612	1.0	2
126B	-	3' - 0"	7' - 0"	NL-IN	HM	PE-1	1.2	HM	PE-1	-	-	E6/A-612	C6/A-612	A4/A-612	1.0	2
127	-	3' - 0"	7' - 0"	NL-IN	HM	PE-1	1.2	HM	PE-1	-	-	E4/A-612	C4/A-612	A4/A-612	1.0	2
130A	-	3' - 0"	7' - 0"	NL	HM	PE-1	1.1	HM	PE-1	-	-	E4/A-613	C4/A-613	A1/A-612	15.0	-
130B	-	3' - 0"	7' - 0"	NL-IN	HM	PE-1	1.2	HM	PE-1	-	-	E4/A-612	C4/A-612	A4/A-612	1.0	2
133	-	3' - 0"	7' - 0"	NL-IN	HM	PE-1	1.2	HM	PE-1	-	-	E4/A-612	C4/A-612	A4/A-612	1.0	2
141	-	3' - 0"	8' - 0"	WM	HM	-		HM	-	-	-	E6/A-613	C6/A-613	C9/A-571	-	5; QTY: 16
151	PR.	6' - 0"	7' - 0"	F-IN	HM	PE-1	1.1	HM	PE-1	-	-	A8/A-612	A6/A-612	A1/A-612	3.0	-

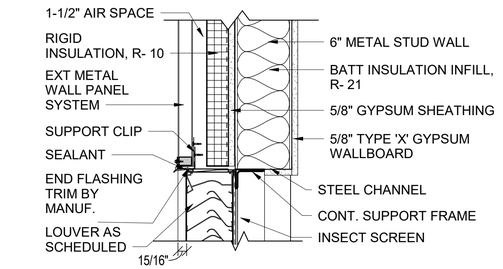
DOOR AND FRAME LEGEND

FINISH	
PE-1*	PAINT-EPOXY
MATERIAL	
HM	HOLLOW METAL
WM	WIRE MESH
WM/SS	WIRE MESH AND STAINLESS STEEL PANEL
SIZE	
-	SINGLE DOOR
PR	PAIR OF DOORS

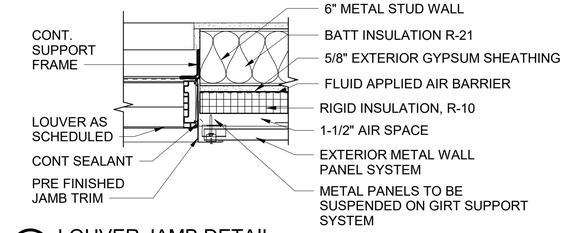
*FIELD APPLY PER PAINT SPECIFICATION FOR APPLICABLE SUBSTRATE AND EXPOSURE.

DOOR SCHEDULE REMARKS

1. DOORS EXIST WITHIN A CONTROLLED ACCESS PERIMETER AND REQUIRE CONTROLLED ACCESS HARDWARE.
2. DOOR REQUIRES ELECTRONIC KEY CARD ACCESS.
3. FOR INDOOR KENNEL DOORS, PROVIDE KENNEL DOOR CONSISTING OF A 6 FT HIGH SOLID STAINLESS STEEL PANEL FROM BOTTOM OF DOOR, WITH 2 FT HIGH STAINLESS STEEL WIRE PARTITION WITH GRILL PANEL DESIGN ABOVE. WIRE MESH GATE DOOR AND HARDWARE PROVIDED BY WIRE MESH SUPPLIER. REFER TO FLOOR PLANS FOR DOOR SWING.
4. FOR OUTDOOR KENNEL DOORS (MWD KENNEL), PROVIDE STAINLESS STEEL KENNEL DOOR CONSISTING OF WIRE PARTITION WITH GRILL PANEL DESIGN. WIRE MESH GATE DOOR AND HARDWARE PROVIDED BY WIRE MESH SUPPLIER. REFER TO FLOOR PLANS FOR DOOR SWING.
5. FOR OUTDOOR KENNEL DOORS (BREAK AREA), PROVIDE GALVANIZED STEEL KENNEL DOOR CONSISTING OF WIRE PARTITION WITH GRILL PANEL DESIGN. WIRE MESH GATE DOOR AND HARDWARE PROVIDED BY WIRE MESH SUPPLIER. REFER TO FLOOR PLANS FOR DOOR SWING.



E8 LOUVER HEAD/SILL DETAIL
SCALE 1 1/2" = 1'-0"



D8 LOUVER JAMB DETAIL
SCALE 1 1/2" = 1'-0"

LOUVER SCHEDULE

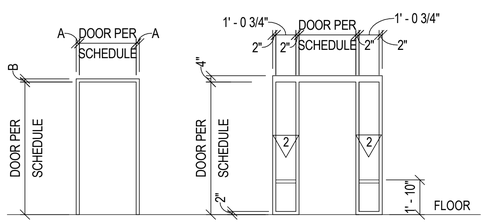
QUANTITY	TYPE	SIZE WIDTH	SIZE HEIGHT	HEAD HEIGHT	SILL HEIGHT	DETAILS HEAD	DETAILS JAMB	DETAILS SILL	REMARKS
2	L05	2' - 8"	1' - 4"	11' - 5"	10' - 1"	E8/A-611	D8/A-611	E8/A-611	

GLASS OR PANEL INFILL TYPES:

REFERENCE SPECIFICATION FOR GLASS TYPES

1 CLEAR GLAZING (1/4") - INTERIOR

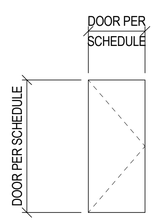
2 INSULATED LOW E (1") - EXTERIOR



1 4

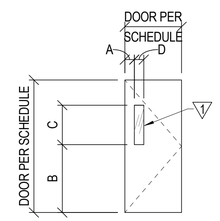
(DOOR FRAME) TYPE	A	B
1.1	2"	2"
1.2	2"	4"

(FRAME WITH 2 SIDELITES) TYPE	A	B	C	E
4.2	2"	4"	4"	8"



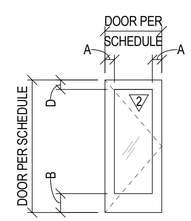
F

(FLUSH PANEL) TYPE	DESCRIPTION
F-IN	FLUSH PANEL INSULATED
F	FLUSH PANEL



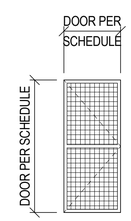
NL

(NARROW LIGHT) TYPE	DESCRIPTION	A	B	C	D	#
NL	NARROW LITE	6"	43"	24"	4"	1
NL-IN	NARROW LITE INSULATED	6"	43"	24"	4"	1

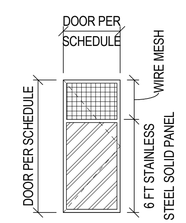


FL

(FULL LIGHT) TYPE	DESCRIPTION	A	B	D	#
FL-IN	FULL LITE INSULATED	6"	10"	8"	1



WM



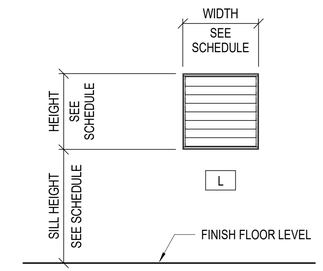
WM/SS

FRAME TYPES

1/4" = 1'-0"

DOOR AND FRAME TYPES

1/4" = 1'-0"



LOUVER TYPES

1/4" = 1'-0"

COMMONWEALTH OF VIRGINIA
ERIK VELAZQUEZ
Lic. No.016157
1/21/2026
ARCHITECT

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

DOOR SCHEDULE & LOUVER SCHEDULE

SHEET ID
A-611

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

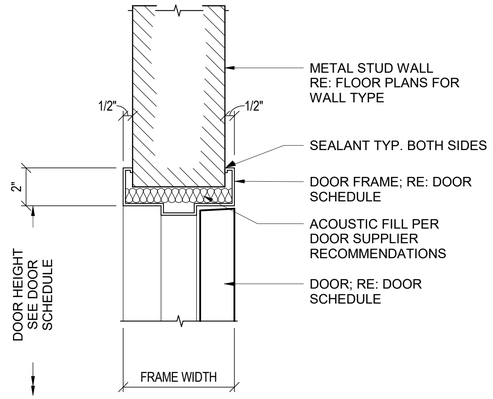
ISSUE DATE: JANUARY 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-001
DESIGN BY: C. TOSLOSKIE
DRAWN BY: C. TOSLOSKIE
CHECKED BY: E. VELAZQUEZ
SUBMITTED BY: E. VELAZQUEZ
FILE NAME: 189818_A_CENTRAL
SIZE: ANSI D

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

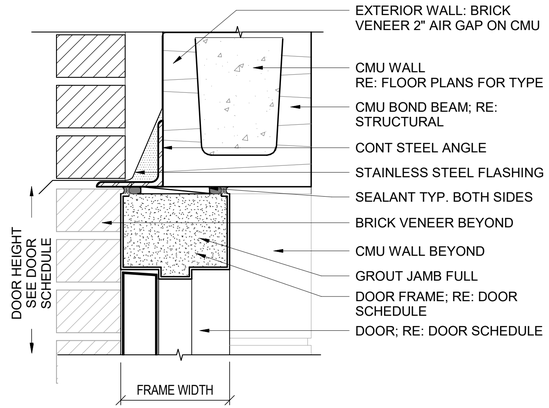
READY TO ADVERTISE (RTA)

C:\Revit_Projects\143139_A_Central_ctosloskie.rvt
1/21/2026 8:58:57 AM



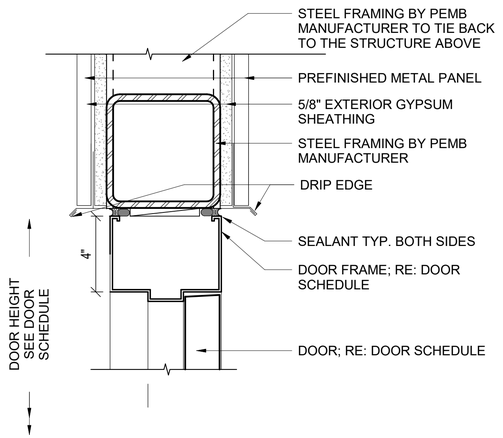
E1 INTERIOR DOOR HEAD

3" = 1'-0"



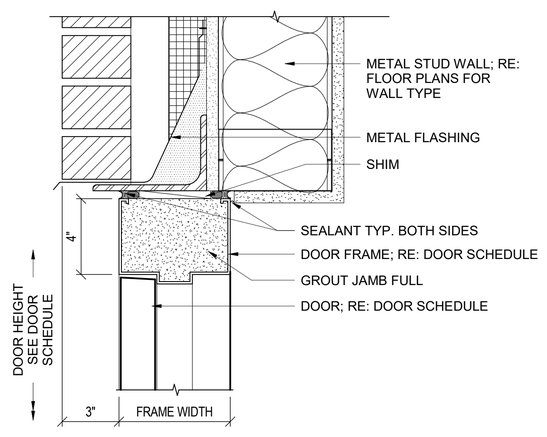
E4 DOOR HEAD AT CMU/BRICK EXT WALL

3" = 1'-0"



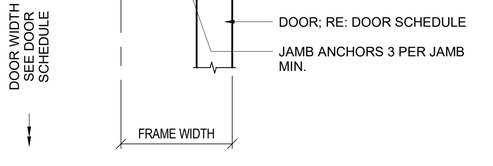
E6 EXTERIOR DOOR HEAD

3" = 1'-0"



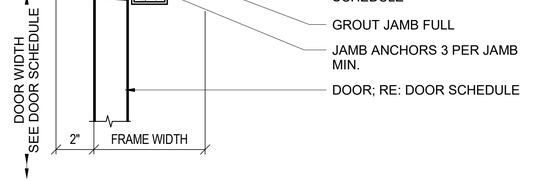
E8 DOOR HEAD AT EXTERIOR WALL

3" = 1'-0"



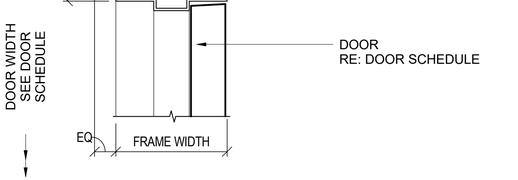
C1 INTERIOR DOOR JAMB

3" = 1'-0"



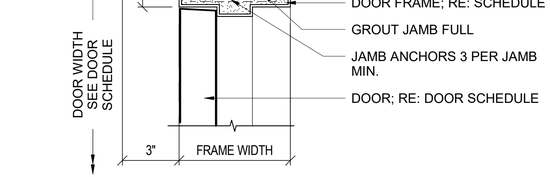
C4 DOOR JAMB AT CMU/ BRICK EXT WALL

3" = 1'-0"



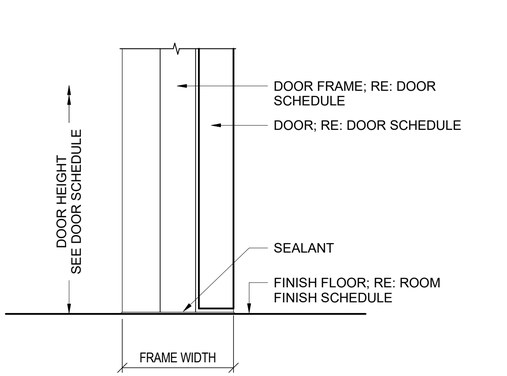
C6 EXTERIOR DOOR JAMB

3" = 1'-0"



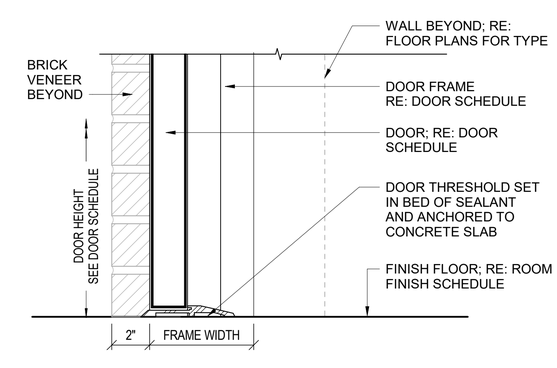
C8 INTERIOR DOOR JAMB

3" = 1'-0"



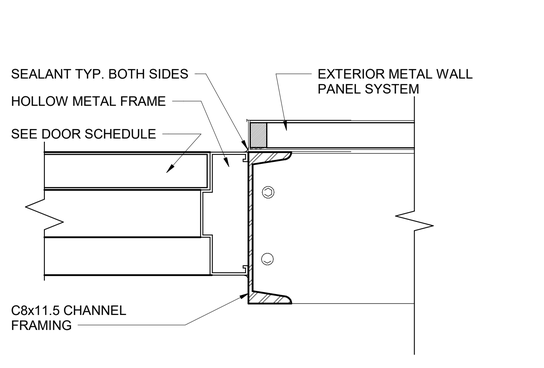
A1 DOOR SILL

3" = 1'-0"



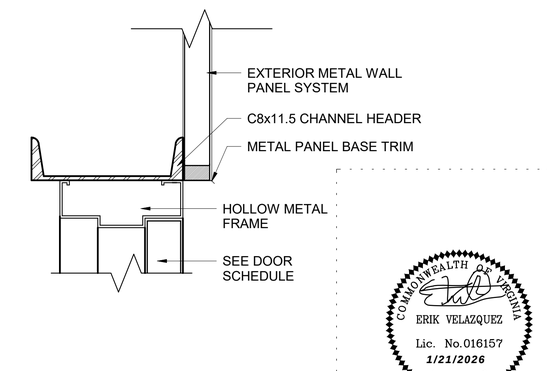
A4 DOOR SILL AT EXT WALL

3" = 1'-0"



A6 DOOR JAMB - PEMB

3" = 1'-0"



A8 DOOR HEAD - PEMB

3" = 1'-0"

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

DESIGN BY: C. TOSLOSKIE	ISSUE DATE: JANUARY, 2026
DRAWN BY: C. TOSLOSKIE	SOLICITATION NO.: W912HN-26-B-A003
CHECKED BY: E. VELAZQUEZ	CONTRACT NO.:
SUBMITTED BY: E. VELAZQUEZ	CATEGORY CODE: 141-001-001
SIZE: ANSI D	FILE NAME: 189618 A_CENTRAL

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

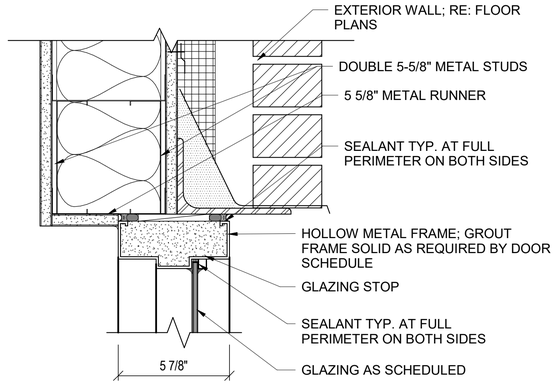
DOOR DETAILS

COMMONWEALTH OF VIRGINIA
ERIK VELAZQUEZ
Lic. No.016157
1/21/2026
ARCHITECT

SHEET ID
A-612

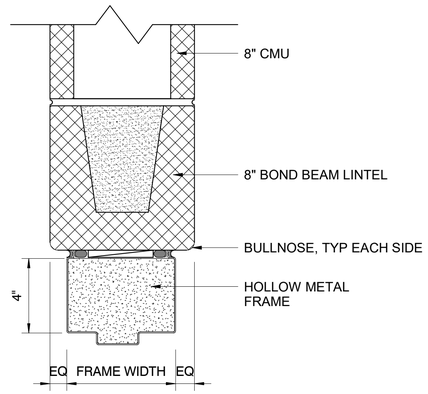
READY TO ADVERTISE (RTA)

C:\Revit_Projects\143139_A_Central_ctosloskie.rvt
1/21/2026 8:58:58 AM



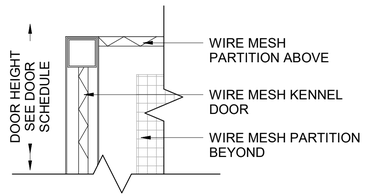
E1 DOOR HEAD WITH SIDELITE

3" = 1'-0"



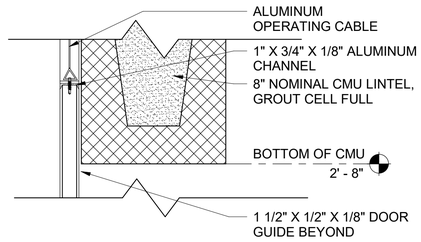
E4 DOOR HEAD - INTERIOR CMU WALL

3" = 1'-0"



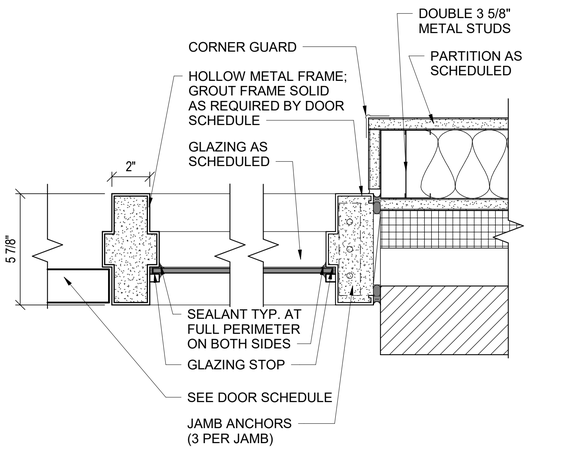
E6 DOOR DETAIL HEAD

3" = 1'-0"



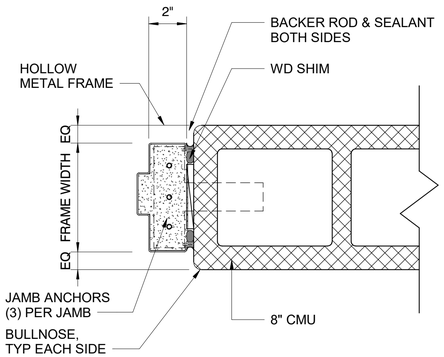
E9 DOOR HEAD - GUILLOTINE DOOR

3" = 1'-0"



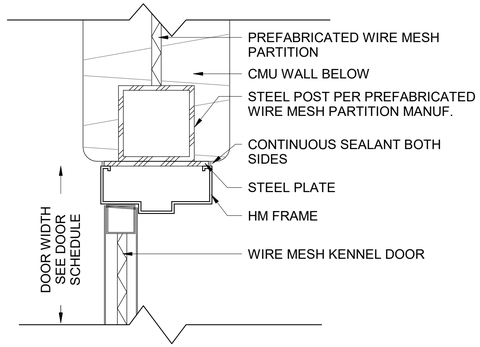
C1 DOOR JAMB WITH SIDELITE

3" = 1'-0"



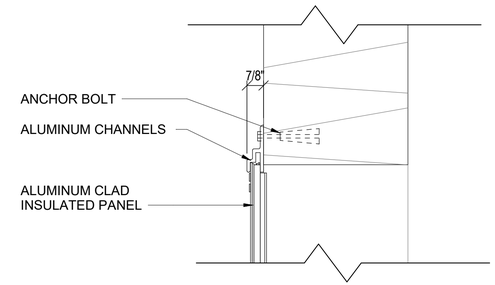
C4 DOOR JAMB - INT CMU WALL

3" = 1'-0"



C6 DOOR DETAIL JAMB

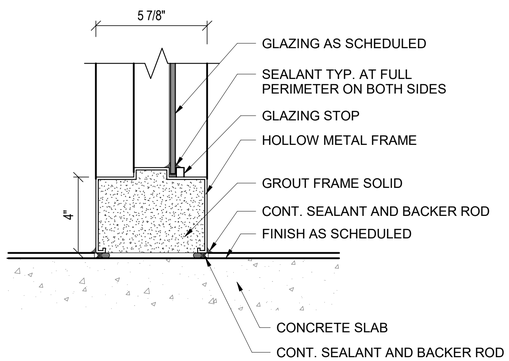
3" = 1'-0"



NOTE: REFER TO DETAIL E3/A-571 FOR PREFABRICATED GUILLOTINE DOOR DETAILS

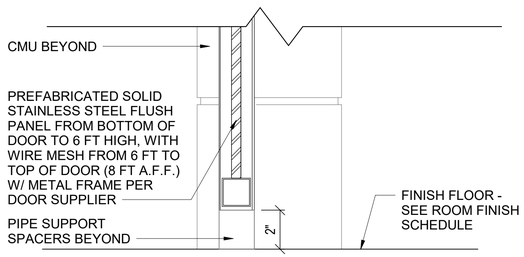
C9 DOOR JAMB - GUILLOTINE DOOR

3" = 1'-0"



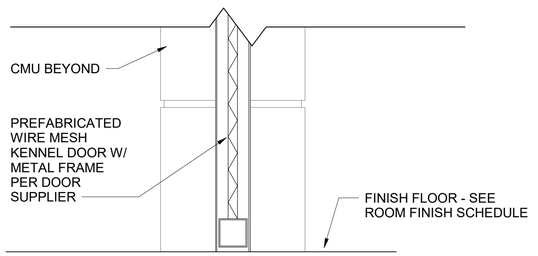
A1 DOOR SILL WITH SIDELITE

3" = 1'-0"



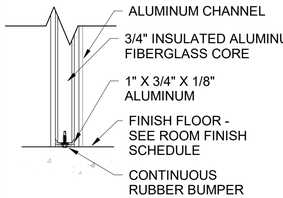
A4 DOOR DETAIL SILL

3" = 1'-0"



A6 DOOR DETAIL SILL

3" = 1'-0"



A9 DOOR SILL - GUILLOTINE DR

3" = 1'-0"

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY 2026
SOLICITATION NO.: W912HN-26-B-A003
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BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

DOOR DETAILS

COMMONWEALTH OF VIRGINIA
ERIK VELAZQUEZ
Lic. No.016157
1/21/2026
ARCHITECT

SHEET ID
A-613

READY TO ADVERTISE (RTA)

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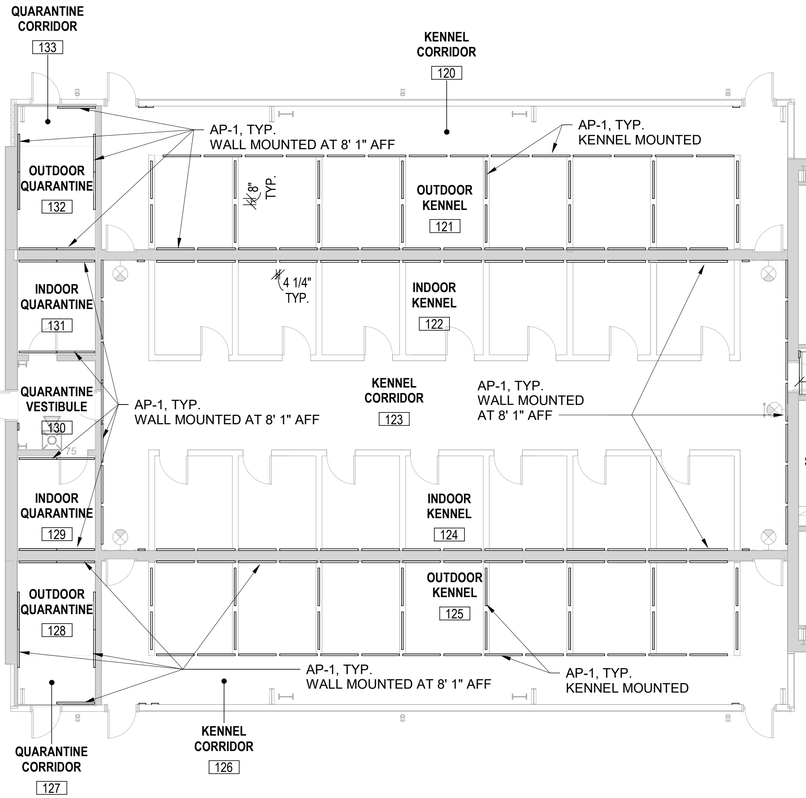

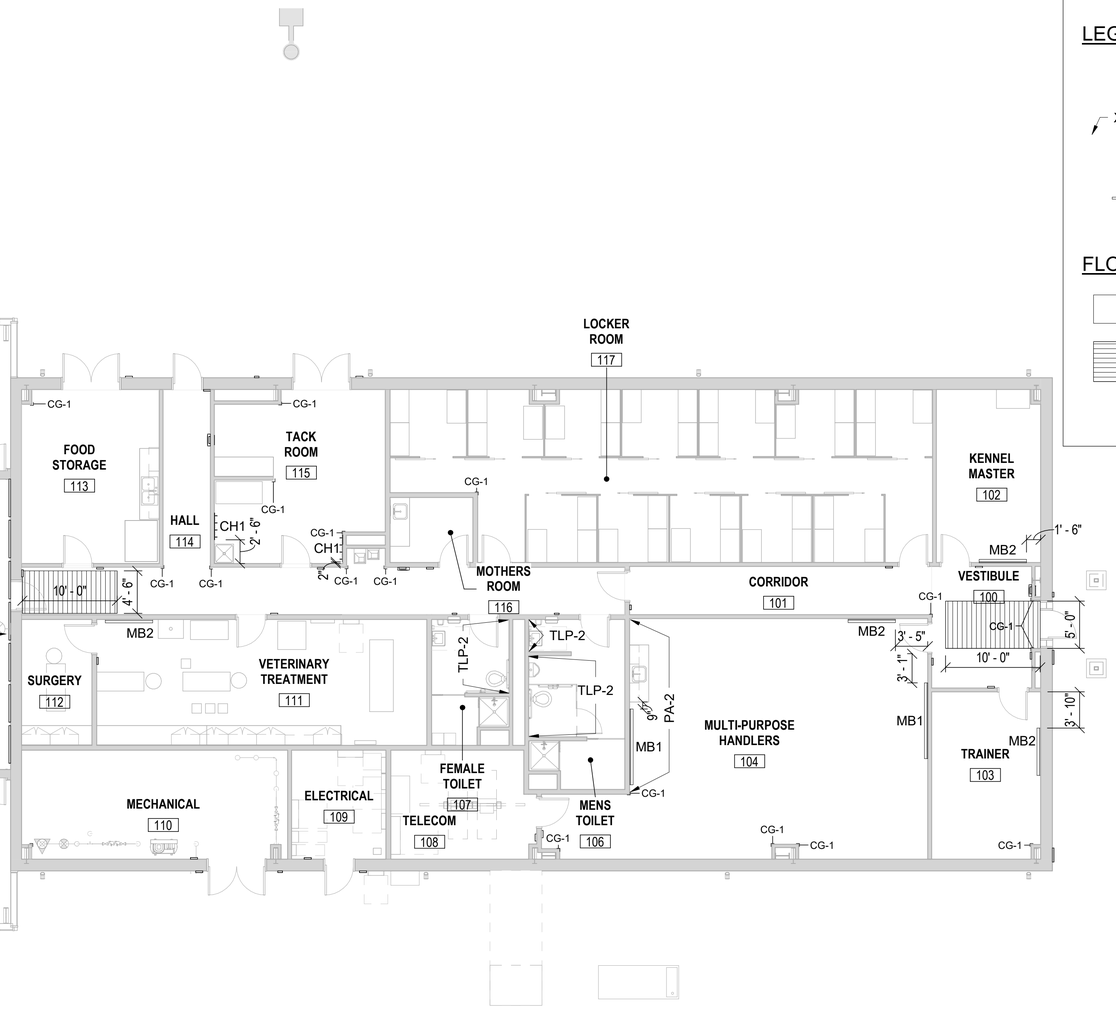

GENERAL FINISH PLAN NOTES

1. REFER TO ROOM FINISH SCHEDULE GENERAL NOTES.
2. REFER TO ROOM FINISH SCHEDULE FOR ADDITIONAL INTERIOR FINISH PLACEMENTS.
3. WHERE TWO OR MORE PAINTED FINISHES OCCUR ON THE SAME WALL FACE OR CEILING SURFACE, A PAINT TRANSITION REVEAL IS TO BE PROVIDED AS INDICATED ON THE DRAWINGS.
4. FOR FLOORING MATERIAL TRANSITIONS WHICH OCCUR AT DOORWAYS, TERMINATE FINISH TRANSITION AND TRANSITION STRIP UNDER THE DOOR AT THE DOOR STOP OR CENTER UNDER THE CLOSED DOOR.
5. CENTER ALL FLOOR TILE SO THAT PERIMETER CUTS ARE EQUAL UNLESS NOTED OTHERWISE.
6. PROVIDE METAL TRIM PIECES AT ALL OUTSIDE TILE CORNERS AND WHERE TILE TERMINATES FOR A CLEAN FINISH.
7. REFER TO SHEET A-532 FOR ADDITIONAL INTERIOR DETAILS.

LEGEND-SYMBOLS

XX-X — EXTENT OF WALL FINISH

CORNER GUARD

ACOUSTICAL PANEL

FLOOR PATTERN LEGEND

REFER TO FINISH SCHEDULE FOR FLOORING INFORMATION

SURFACE MOUNTED WALK-OFF MAT (WOM-1)

PLAN NORTH

0 4' 8' 16'

A1 MWD KENNEL - INTERIOR FINISH PLAN

1/8" = 1'-0"

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-001
DESIGN BY: MCO
DRAWN BY: MCO
CHECKED BY: T. SPARKS
SUBMITTED BY: E. VELAZQUEZ
SIZE: ANSI D
FILE NAME: 189618 A_CENTRAL

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
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MWD FACILITY - INTERIOR FINISH PLAN

COMMONWEALTH OF VIRGINIA
ERIK VELAZQUEZ
Lic. No.016157
1/21/2026
ARCHITECT

SHEET ID
A-701

READY TO ADVERTISE (RTA)

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1/21/2026 8:59:00 AM

SIGNAGE SCHEDULE				
SIGN TYPE	ROOM LOCATION NUMBER	MESSAGE TEXT		REMARKS
		NUMBER	WORDING	
F	100	-	REFER TO SIGN TYPE	
J	100	-	REFER TO SIGN TYPE	
D	100 - EXTERIOR	-	REFER TO SIGN TYPE	
G	100 - EXTERIOR	XXX	REFER TO SIGN TYPE	
E	102	-	KENNEL MASTER	
E	103	-	TRAINER	
E	104	-	MULTI-PURPOSE HANDLERS	
B	106	-	MENS TOILET	
B	107	-	FEMALE TOILET	
A	108	-	TELECOM	
F	108	-	REFER TO SIGN TYPE	
F	109	-	REFER TO SIGN TYPE	
A	109 - EXTERIOR	-	ELECTRICAL	
F	110	-	REFER TO SIGN TYPE	
A	110 - EXTERIOR	-	MECHANICAL	
D	110 - EXTERIOR	-	REFER TO SIGN TYPE	
E	112	-	SURGERY	
E	113	-	FOOD STORAGE	
A	113 - EXTERIOR	-	FOOD STORAGE	
E	113B	-	REFER TO SIGN TYPE	
A	114	-	MWD OFFICE	
C	114	-	REFER TO SIGN TYPE	
F	114	-	REFER TO SIGN TYPE	
F	114	-	REFER TO SIGN TYPE	

SIGNAGE SCHEDULE				
SIGN TYPE	ROOM LOCATION NUMBER	MESSAGE TEXT		REMARKS
		NUMBER	WORDING	
J	114	-	REFER TO SIGN TYPE	
E	115	-	TACK ROOM	
A	115 - EXTERIOR	-	TACK ROOM	
D	115 - EXTERIOR	-	REFER TO SIGN TYPE	
E	116	-	MOTHERS ROOM	
E	117	-	LOCKER ROOM	
E	117	-	LOCKER ROOM	
F	120	-	REFER TO SIGN TYPE	
J	120	-	REFER TO SIGN TYPE	
J	120	-	REFER TO SIGN TYPE	
J	121	-	REFER TO SIGN TYPE	
J	121	-	REFER TO SIGN TYPE	
E	123	-	KENNEL	
F	123	-	REFER TO SIGN TYPE	
J	125	-	REFER TO SIGN TYPE	
J	125	-	REFER TO SIGN TYPE	
F	126	-	REFER TO SIGN TYPE	
J	126	-	REFER TO SIGN TYPE	
J	126	-	REFER TO SIGN TYPE	
J	130	-	REFER TO SIGN TYPE	
J	130	-	REFER TO SIGN TYPE	
F	130	-	REFER TO SIGN TYPE	
J	144	-	REFER TO SIGN TYPE	
H	EXTERIOR	XXX	-	

GENERAL SIGNAGE PLACEMENT PLAN NOTES

1. REFER TO SIGNAGE SCHEDULE GENERAL NOTES.
2. REFER TO SIGNAGE SCHEDULE AND DETAIL DRAWINGS FOR ADDITIONAL INFORMATION.
3. REFER TO SIGNAGE SCHEDULE FOR SIGN LOCATION TAG, DOOR LOCATION, SIGN TYPE, SIGN TEXT NUMBER, AND PLACEHOLDER MESSAGE TEXT.
4. REFER TO SIGNAGE MOUNTING HEIGHTS ON SIGNAGE DETAIL DRAWINGS. SIGNS TO BE WALL-MOUNTED ON THE LATCH SIDE OF DOOR OR AS INDICATED. HEIGHTS, CLEARANCES, AND CONFIGURATIONS SHOWN ARE TYPICAL AND SHALL APPLY IN ALL INSTANCES UNLESS NOTED OTHERWISE.
5. EXTERIOR AND INTERIOR SIGNAGE SHALL COMPLY WITH UFG REQUIREMENTS, GUIDANCE FOR SIGNAGE AS FOUND IN UFC 3-120-01 AND BASE STANDARDS.

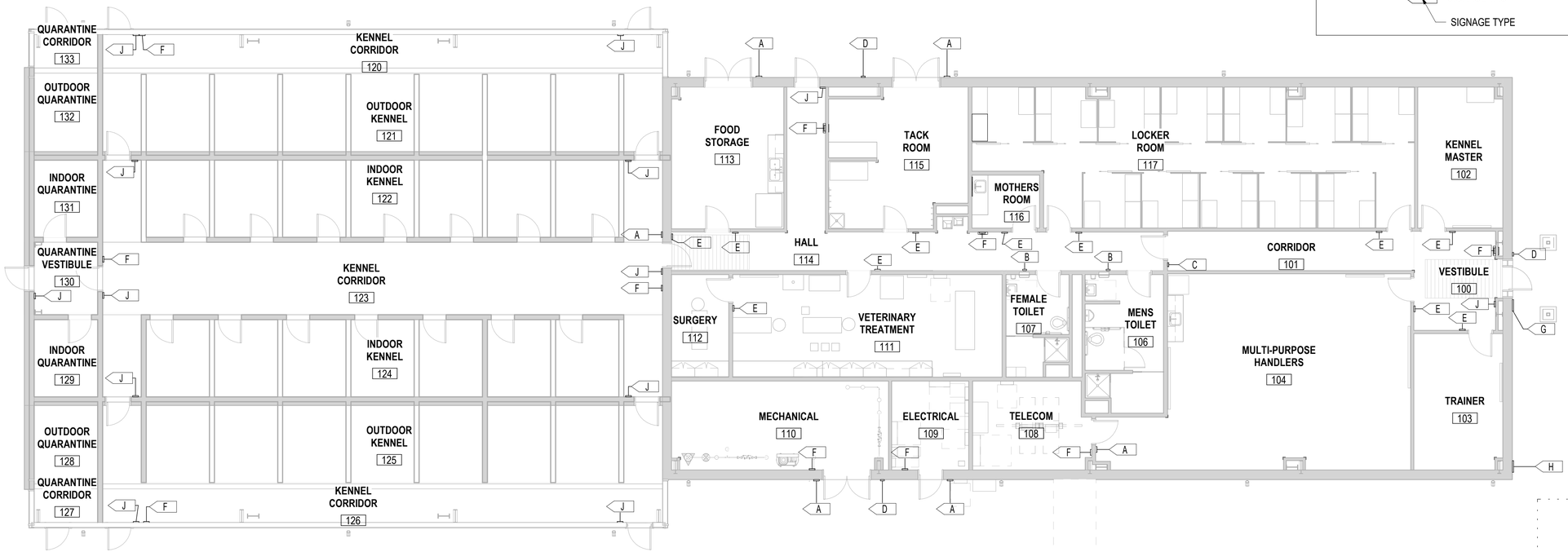
LEGEND-SIGN (TYPE)

TYPE	DESCRIPTION
A	PERMANENT ROOM ID
B	RESTROOM SIGN
C	AUTHORIZED PERSONNEL SIGN
D	NO SMOKING SIGN
E	ROOM ID WITH INSERT
F	FIRE EXTINGUISHER SIGN
G	EXTERIOR BUILDING ENTRANCE SIGN
H	BUILDING NUMBER SIGN
J	TACTILE EXIT SIGN

SIGNAGE LEGEND

X — SIGNAGE TAG

SIGNAGE TYPE



A1 SIGNAGE FLOOR PLAN

1/8" = 1'-0"

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-901-01
FILE NAME: 189618 A_CENTRAL

DESIGN BY: MCO
DRAWN BY: MCO
CHECKED BY: J SPARKS
SUBMITTED BY: JEFF FOLTZ
SIZE: ANSI D

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MWD FACILITY - SIGNAGE PLAN

COMMONWEALTH OF VIRGINIA
ERIK VELAZQUEZ
Lic. No.016157
1/21/2026
ARCHITECT

SHEET ID
A-702

READY TO ADVERTISE (RTA)

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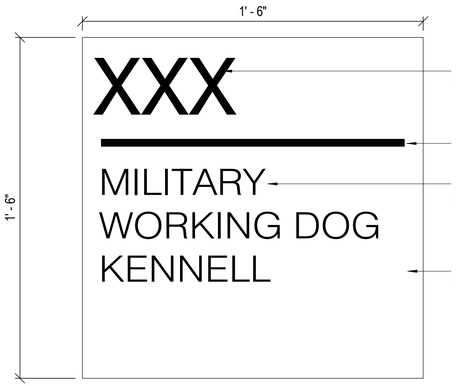
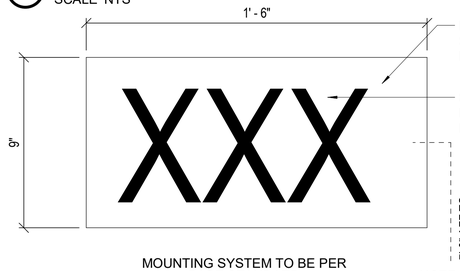
1/21/2026 8:59:01 AM

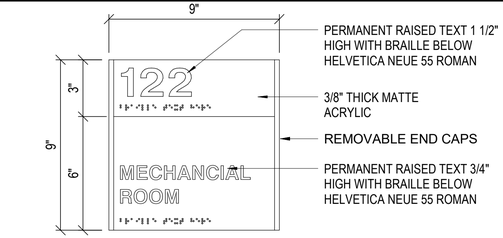


C1 SIGN TYPE G
SCALE NTS

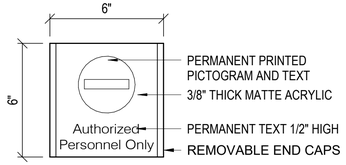


NOTE:
SIGNAGE MOUNTING TO EXTERIOR, COORDINATE PLACEMENT LOCATION WITH INSTALLATION REPRESENTATIVE. CONTRACTOR TO CONFIRM BUILDING NUMBER WITH INSTALLATION REPRESENTATIVE.

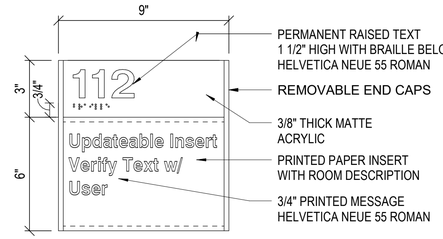
A1 SIGN TYPE H
SCALE NTS



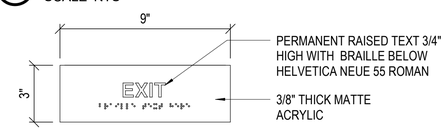
F4 SIGN TYPE A
SCALE NTS



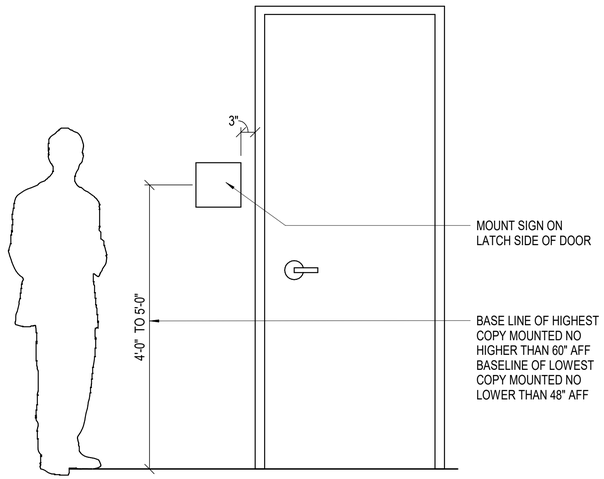
E4 SIGN TYPE C
SCALE NTS



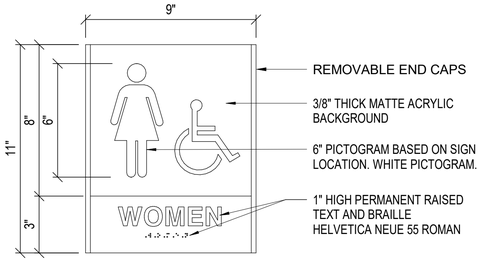
D4 SIGN TYPE E
SCALE NTS



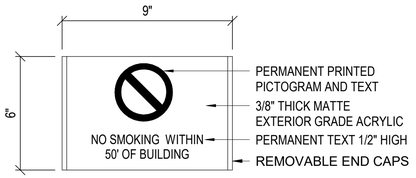
C4 SIGN TYPE J
SCALE NTS



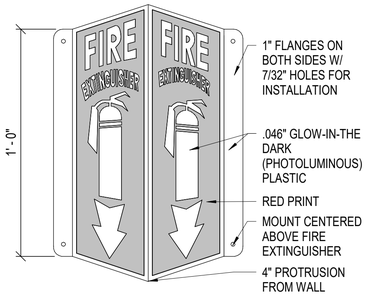
A4 TYPICAL INTERIOR SIGN INSTALLATION - WALL
SCALE NTS



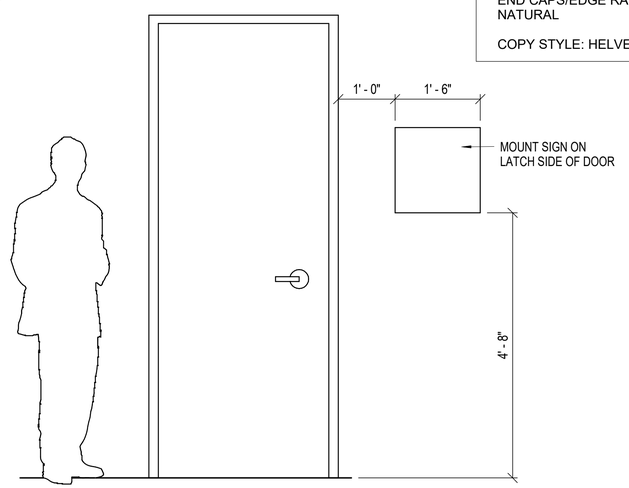
F7 SIGN TYPE B
SCALE NTS



E7 SIGN TYPE D
SCALE NTS



C7 SIGN TYPE F
SCALE NTS



A7 TYPICAL EXTERIOR BUILDING ENTRANCE SIGN INSTALLATION
SCALE NTS

GENERAL NOTES

1. REFER TO SIGNAGE PLACEMENT DRAWINGS FOR LOCATION OF INTERIOR SIGNS.
2. REFER TO EXTERIOR BUILDING ELEVATIONS, SIGNAGE SCHEDULE AND SIGNAGE DRAWINGS FOR LOCATION OF ALL EXTERIOR SIGNAGE.
3. REFER TO SIGNAGE DETAILS FOR SIGNAGE CONSTRUCTION AND MOUNTING ELEVATION.
4. REFER TO ARCHITECTURAL DRAWINGS FOR COORDINATION OF SIGNAGE INSTALLATION TO WALL CONSTRUCTION. SIGNAGE MUST BE ANCHORED THRU THE SURFACE APPLIED WALL FINISHES TO THE SUBSTRATE WALL.
5. ALL HARDWARE/MOUNTING ATTACHMENTS TO BE CONCEALED AND APPROPRIATE FOR THE RECEIVING BUILDING SURFACE.
6. ALL SIGNAGE SHALL COMPLY WITH THE MOST CURRENT VERSION OF THE AMERICANS WITH DISABILITIES ACT (ADA).
7. ALL SIGNAGE MOUNTED ON GLASS SHALL HAVE A MATCHING BACK PLATE TO CONCEAL ATTACHMENT METHOD OF SIGN.
8. INSTALL FIRE EXTINGUISHER IDENTIFICATION SIGN ABOVE ALL FIRE EXTINGUISHER CABINETS AND WALL BRACKET MOUNTED EXTINGUISHERS. SEE LIFE SAFETY PLANS FOR FIRE EXTINGUISHER LOCATIONS.
9. CONSTRUCT EXTERIOR GRADE SIGNAGE WITH MATERIAL APPROPRIATE FOR EXTERIOR USAGE.
10. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH SIGNAGE MANUFACTURER(S) TO PROVIDE ANY ADDITIONAL SIGNAGE AS REQUIRED BY GOVERNING MUNICIPALITY AT THE SITE LOCATION.
11. ALL MESSAGE TEXT AS SHOWN ON THE SIGN SCHEDULE IS A PLACE HOLDER ONLY AND IS NOT THE FINAL TEXT MESSAGE. ALL MESSAGE TEXT SHALL BE CONFIRMED BY GOVERNMENT END USER PRIOR TO SIGNAGE SHOP DRAWINGS. ALLOW FOR MAXIMUM 4 DIGIT ROOM NUMBERS AND MINIMUM 25 CHARACTER ROOM NAMES TYPICAL FOR ALL SIGNS.
12. PROVIDE EXTERIOR BUILDING NUMBER SIGN PER BASE STANDARDS AND IN ACCORDANCE WITH DESIGN: SIGN STANDARDS UFC 3-120-01.
13. PROVIDE MESSAGE INSERTS FOR WINDOW SIGNS WHERE INDICATED IN THE SIGNAGE DRAWINGS OR SPECIFICATIONS.

SIGNAGE SYSTEM BASIS OF DESIGN:

MANUFACTURER: 2/90 SIGN SYSTEM

PRODUCT: SLIDE MODULAR SYSTEM

INSERT A:
FINISH: PRISMS - 701 DARK NEUTRAL
COPY COLOR: PRISMS - 708 SOFT WHITE
INSERT B:
FINISH: PRISMS - 708 SOFT WHITE
COPY COLOR: PRISMS - 701 DARK NEUTRAL
END CAPS/EDGE RAIL COLOR: ANODIZED - 101 SATIN NATURAL

COPY STYLE: HELVETICA NEU STD

COMMONWEALTH OF VIRGINIA
ERIK VELAZQUEZ
Lic. No.016157
1/21/2026
ARCHITECT

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

DESIGN BY: MCO
DRAWN BY: MCO
CHECKED BY: T. SPARKS
SUBMITTED BY: E. VELAZQUEZ
SIZE: ANSI D
FILE NAME: 189618 A_CENTRAL
ISSUE DATE: JANUARY 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-001

U.S. ARMY CORPS OF ENGINEERS
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SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER army airfield, georgia
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

SIGNAGE DETAILS

SHEET ID
A-721

READY TO ADVERTISE (RTA)

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GFGI LEGEND

ITEM CODE	COUNT	ITEM DESCRIPTION
GFGI		
EQ1	2	FLOOR COPIER
EQ2	3	SAFE - 2 DRAWER
EQ3	2	FLAT PANEL DISPLAY - 32"
EQ4	1	FLAT PANEL DISPLAY - 55"

VETERINARY EQUIPMENT LEGEND.

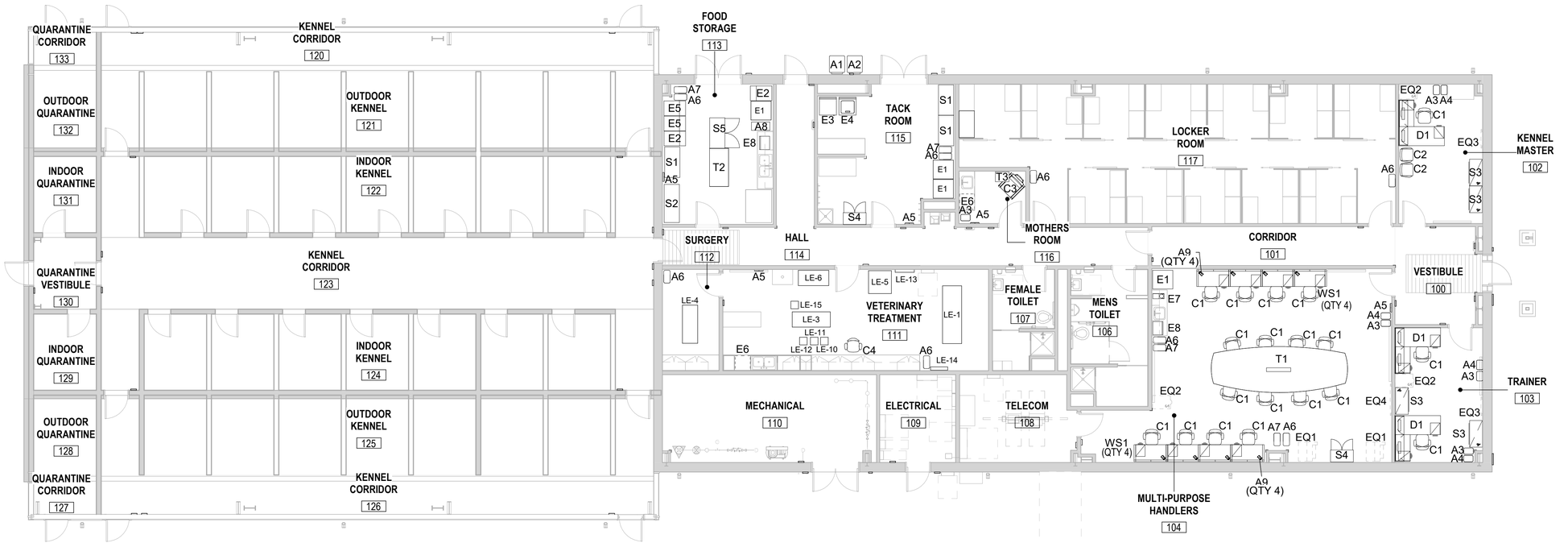
ITEM CODE	COUNT	ITEM DESCRIPTION
EQUIPMENT		
LE-1	1	DIGITAL X-RAY
LE-3	1	TREATMENT TABLE
LE-4	1	SURGERY TABLE
LE-5	1	RECOVERY CAGE
LE-6	1	SCALE
LE-10	1	MOBILE ANESTHETIC GAS MACHINE
LE-11	1	DENTAL MACHINE
LE-12	1	DENTAL DIGITAL X-RAY
LE-13	1	PROTECTIVE GARMENTS AND HANGER
LE-14	1	X-RAY VIEWER
LE-15	1	PATIENT MONITOR

FF&E LEGEND

ITEM CODE	COUNT	ITEM DESCRIPTION
ACCESSORIES		
A1	1	ROLLOUT RECYCLE RECEPTACLE
A2	1	ROLLOUT TRASH RECEPTACLE
A3	5	PERSONAL WASTE RECEPTACLE
A4	4	PERSONAL RECYCLE RECEPTACLE
A5	5	WALL CLOCK
A6	8	WASTE RECEPTACLE
A7	4	RECYCLING RECEPTACLE
A8	1	DOG FOOD STORAGE RECEPTACLE
A9	8	TASK LIGHT
CHAIRS		
C1	19	ERGONOMIC TASK CHAIR
C2	2	SIDE CHAIR
C3	1	MOTHERS ROOM CHAIR
C4	1	LAB STOOL
DESKS		
D1	3	72" W x 72" D DESK - L SHAPED
EQUIPMENT		
E1	4	REFRIGERATOR/ FREEZER
E2	2	ICEMAKER 71.5"H X 30"W
E3	1	DRYER
E4	1	WASHER
E5	2	ICEMAKER 71.5"H X 30"W - BIN
E6	2	UNDERCOUNTER REFRIGERATOR ADA
E7	1	COFFEE SERVICE - AIRPOT
E8	2	COUNTERTOP MICROWAVE
SHELVING AND FILING		
S1	3	4-POST SHELVING UNIT
S2	1	KITCHEN INDUSTRIAL SHELVING UNIT
S3	4	LATERAL FILE 4 DRAWER 42"W
S4	2	STORAGE CABINET
S5	1	STORAGE CABINET
TABLES		
T1	1	BOAT SHAPED CONFERENCE TABLE
T2	1	FOOD PREP TABLE
T3	1	SIDE TABLE
WORKSTATIONS - SYSTEMS FURNITURE		
WS1	8	WORKSTATION - 48"W X 24" D

GENERAL FURNITURE PLAN NOTES

1. FURNITURE, FIXTURES AND EQUIPMENT (FF&E) DRAWINGS PROVIDED FOR COORDINATION WITH BUILDING SYSTEMS ONLY.
2. REFER TO ARCHITECTURAL FLOOR PLANS FOR BUILDING LAYOUT, DIMENSIONS, AND COORDINATION TO BUILDING SYSTEMS AND STRUCTURE.
3. REFER TO ELECTRICAL DRAWINGS FOR COORDINATION OF LIGHTING, POWER, DATA, COMMUNICATIONS, AND LOCATIONS OF OTHER WALL AND FLOOR MOUNTED ELECTRICAL DEVICES AND EQUIPMENT FOR COORDINATION TO FURNITURE LAYOUTS. CONTRACTOR SHALL IDENTIFY ANY CONFLICTS WITH FURNITURE LAYOUTS.
4. REFER TO MECHANICAL DRAWINGS FOR COORDINATION OF PLUMBING AND HVAC SYSTEMS TO FURNITURE LAYOUTS. THERMOSTATS, DIFFUSERS AND ACCESS PANELS SHALL NOT CONFLICT WITH FURNITURE LAYOUTS. CONTRACTOR SHALL IDENTIFY ANY CONFLICTS WITH FURNITURE LAYOUTS.
5. REFER TO FF&E PACKAGE FOR FURNITURE PROCUREMENT INFORMATION AND BASIS OF DESIGN OR EQUIVALENT SPECIFICATIONS.
6. FIELD VERIFY ALL BUILDING CONDITIONS PRIOR TO INSTALLATION OF FF&E.
7. FURNITURE INSTALLER/CONTRACTOR SHALL COORDINATE POWER/COMM/DATA CONNECTIONS WITH ELECTRICAL CONTRACTOR PRIOR TO INSTALLATION OF ELECTRIFIED FURNISHINGS.
8. FURNITURE AND EQUIPMENT SHOWN DASHED AND HALFTONED SHALL BE GOVERNMENT FURNISHED, GOVERNMENT INSTALLED (GFGI). GFGI ITEMS ARE NOT INCLUDED IN THE FF&E PACKAGE AND ARE SHOWN FOR COORDINATION PURPOSES ONLY. GFGI ITEMS MAY INCLUDE PRINTERS, COPIERS, SHREDDERS, VENDING MACHINES AND OTHER ITEMS AS INDICATED.
9. FF&E CONTRACTOR TO FIELD VERIFY ALL MEASUREMENTS AND SITE CONDITIONS TO ENSURE PROPER FIT OF ALL FF&E. FURNISHINGS SHALL NOT OVERLAP OR OBSTRUCT DOOR FRAMES, WALL SWITCHES, THERMOSTATS, OR OTHER WALL MOUNTED ITEMS. MODIFICATIONS TO FURNISHINGS LAYOUTS REQUIRED TO MEET BUILDING CONDITIONS AT THE TIME OF INSTALLATION SHALL BE THE RESPONSIBILITY OF THE FF&E CONTRACTOR. ALL MODIFICATIONS MUST BE APPROVED IN WRITING BY A GOVERNMENT APPROVED REPRESENTATIVE PRIOR TO INSTALLATION OF THE FURNISHINGS.



A1 FURNITURE FLOOR PLAN - MWD KENNEL
1/8" = 1'-0"

PLAN NORTH

0 4' 8' 16'

COMMONWEALTH OF VIRGINIA
ERIK VELAZQUEZ
Lic. No.016157
1/21/2026
ARCHITECT

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

DESIGN BY: MCO
DRAWN BY: MCO
CHECKED BY: TLS
SUBMITTED BY:
SIZE: ANSI D
ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-401
FILE NAME: 189618_A_CENTRAL

U.S. ARMY CORPS OF ENGINEERS SAVANNAH DISTRICT 100 WEST OGLETHORPE AVE. SAVANNAH, GA 31401-3640

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9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

MWD FACILITY - FURNITURE FLOOR PLAN

SHEET ID
I-101

READY TO ADVERTISE (RTA)

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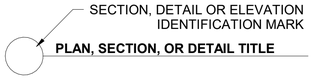
FIRE ALARM / MNS SYSTEM LEGEND

FACU/ACU	COMBINATION FIRE ALARM CONTROL UNIT AND AUTONOMOUS CONTROL UNIT
NAC	NOTIFICATION CIRCUIT POWER BOOSTER, EXTENDER PANEL
AMP	AMPLIFIER
BATT	SECONDARY POWER SUPPLY (BATTERY)
FAC	FIRE ALARM COMMUNICATOR
FAA	FIRE ALARM ANNUNCIATOR
LOC	LOCAL OPERATING CONSOLE
F	MANUAL FIRE ALARM PULL STATION
VS	VALVE SUPERVISORY SWITCH (PROVIDED BY DIVISION 21)
WF	WATER FLOW DETECTOR / SWITCH (PROVIDED BY DIVISION 21)
PS	PRESSURE DETECTOR / SWITCH (PROVIDED BY DIVISION 21) H = HIGH L = LOW
RL	NON-ADDRESSABLE OUTPUT RELAY
H	HEAT DETECTOR
S S	IN-DUCT PHOTOELECTRIC SMOKE DETECTOR S = SUPPLY
S P	SMOKE DETECTOR P = PHOTOELECTRIC
#	SPEAKER / STROBE COMBINATION # - CANDELA RATING
S	SPEAKER
#	HORN / STROBE COMBINATION # - CANDELA RATING
#	CLEAR CEILING MOUNTED STROBE # - CANDELA RATING
AOM	ADDRESSABLE OUTPUT CONTROL MODULE
AIM	ADDRESSABLE INPUT MONITOR MODULE
	REMOTE INDICATOR
	ANTENNA
	GROUND
ET	EMERGENCY TEXTUAL VISIBLE DISPLAY
RES	RAPID ENTRY SYSTEM - KNOX BOX
FSCS	FIREFIGHTER SMOKE CONTROL STATION
CO	CARBON MONOXIDE DETECTOR
MIC	REMOTE VOICE EVACUATION MICROPHONE
SS	SURGE SUPPRESSOR (TRANSIENT VOLTAGE SURGE SUPPRESSOR)
	JUNCTION BOX

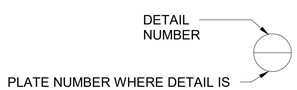
ABBREVIATIONS

ADS	ACOUSTICALLY DISTINGUISHABLE SPACE
AFF	ABOVE FINISHED FLOOR
AWG	AMERICAN WIRE GAGE
CD	CANDELA
CIS	COMMON INTELLIGIBILITY SCALE
DAS	DISTRIBUTED ANTENNA SYSTEM
DB	DECIBEL
DBA	DECIBEL A-WEIGHTED
DIV	DIVISION
ERCES	EMERGENCY RESPONDER COMMUNICATIONS ENHANCEMENT SYSTEM
FA	FIRE ALARM
FDC	FIRE DEPARTMENT CONNECTION
FM	FM GLOBAL
FT	FEET
FX	FIRE SUPPRESSION
HVAC	HEATING, VENTILATION, AND AIR CONDITIONING
IDC	INITIATING DEVICE CIRCUIT
IN	INCH
MAX	MAXIMUM
MIN	MINIMUM
MNS	MASS NOTIFICATION SYSTEM
MPH	MILES PER HOUR
NAC	NOTIFICATION APPLIANCE CIRCUIT
NEC	NATIONAL ELECTRICAL CODE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
O.C.	ON CENTER
PIV	POST INDICATING VALVE
QFPE	QUALIFIED FIRE PROTECTION ENGINEER
SLC	SIGNALING LINE CIRCUIT
TYP	TYPICAL
UFC	UNITED FACILITIES CRITERIA
UL	UNDERWRITERS LABORATORY
WP	WEATHERPROOF (NEMA 250, TYPE 3R)

PLAN/SECTION/DETAIL TITLE



DETAIL CALLOUT SYMBOL



AUDIBLE DESIGN CRITERIA

1. PROVIDE AUDIBLE NOTIFICATION APPLIANCES AS REQUIRED TO ACCOMPLISH THE FOLLOWING DESIGN CRITERIA WITH ALL DOORS CLOSED. WHERE THIS DESIGN CRITERIA IS NOT ACCOMPLISHED DURING ACCEPTANCE TESTING, PROVIDE ADDITIONAL DEVICES TO MEET THE MINIMUM DESIGN CRITERIA WITHOUT EXCEEDING THE LIMITATIONS OF THE FACU/ACU, NAC, OR AMP. (INCLUSIVE OF PRESCRIBED SAFETY FACTORS).
2. PROVIDE A QUANTITY OF SPEAKERS AND STROBES IN EACH ROOM/AREA TO ACHIEVE THE REQUIRED SOUND POWER AND INTELLIGIBILITY OUTLINED IN THESE CONTRACT DOCUMENTS.

   NOTE: DEPENDING ON THE QUALITY OF SPEAKER USED, SEVERAL SPEAKERS TAPPED AT A LOWER SETTING MAY BE REQUIRED TO ACHIEVE THE PRESCRIPTIVE CIS SCORE.
3. PROVIDE A MINIMUM SOUND POWER OF 70 DBA AND 15 DBA OVER THE AVERAGE AMBIENT SOUND LEVEL OR 5 DBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, AT THE MOST REMOTE LOCATION WITHIN THE ROOM / AREA MEASURED AT 5 FT AFF. MEASURE THE SOUND POWER OFF THE TEMPORAL THREE TONE PATTERN.
4. THE FOLLOWING CRITERIA WILL BE USED FOR REVIEW AND APPROVAL OF SHOP DRAWINGS:
   A. REDUCE THE SOUND POWER BY 6 DB EACH TIME THE DISTANCE BETWEEN THE APPLIANCE AND THE LISTENER IS DOUBLED. STARTING DISTANCE IS PER MANUFACTURER'S DATASHEET, TYPICALLY 10 FT.
   B. REDUCE THE SOUND POWER IN ACCORDANCE WITH THE MANUFACTURER'S DATASHEET FOR SOUND POWER DISTRIBUTION NOT PERPENDICULAR TO THE FACE OF THE APPLIANCE. REFER TO MANUFACTURER'S TYPICAL SOUND OUTPUT DISTRIBUTION DIAGRAM.
   C. IN LIEU OF THE MANUFACTURER'S PUBLISHED DB LOSS, ASSUME A MINIMUM 15 DB LOSS THROUGH A STANDARD CLOSED DOOR.
5. MEET THE FOLLOWING INTELLIGIBILITY CRITERIA:
   A. ACHIEVE A CIS SCORE OF 0.80 IN EACH ROOM MEASURED AT 5 FT AFF.
   B. WHERE AN ACOUSTICALLY DISTINGUISHABLE SPACE (ADS) IS REFERENCED, IT IS A ROOM BOUNDED BY WALLS AND DOORS.
   C. WHERE ROOMS HAVE LESS EXCESSIVE SOUND REFLECTION FROM HARD WALLS AND CEILINGS (SUCH AS METAL, TILE, CONCRETE), THE OCCUPANT IS PERMITTED TO WALK UP TO 33 FT WITHIN THE SAME ADS TO REACH A LOCATION WHERE THE MINIMUM (0.80) CIS CAN BE ACHIEVED.
   D. IN NORMALLY UNOCCUPIED ROOMS SUCH AS MECHANICAL ROOMS, ELECTRICAL ROOMS, COMMUNICATION ROOMS, AND STORAGE ROOMS THE OCCUPANT IS PERMITTED TO WALK UP TO 50 FT WITHIN THE SAME ADS TO REACH A LOCATION WHERE THE MINIMUM (0.80) CIS CAN BE ACHIEVED. IN THESE SPACES, LOCATE SPEAKERS ALONG THE NATURAL EGRESS ROUTES.
6. PROVIDE EXTERIOR SPEAKERS MEETING A MINIMUM SOUND POWER OF 70 DBA AND 15 DBA OVER THE AVERAGE AMBIENT SOUND LEVEL, AND A CIS OF 0.8 WITHIN THE AREA INDICATED MEASURED AT 5 FT ABOVE GRADE. MEASURE THE SOUND POWER OFF THE TEMPORAL THREE TONE PATTERN.

VISIBLE DESIGN CRITERIA

1. PROVIDE VISIBLE NOTIFICATION APPLIANCES AS REQUIRED TO ACHIEVE THE COVERAGE INDICATED. WHERE A ROOM OR SPACE IS SHOWN WITH VISUAL NOTIFICATION IN THESE DRAWINGS, IT IS INTENDED TO INDICATE THAT THE ENTIRE ROOM/SPACE MUST BE PROVIDED WITH VISUAL NOTIFICATION COVERAGE.
2. SPACE STROBES IN ACCORDANCE WITH THE CRITERIA OUTLINED IN NFPA 72, UNLESS OTHERWISE NOTED.

SMOKE DETECTION CRITERIA

1. PROVIDE SMOKE DETECTION THROUGHOUT THE AREAS INDICATED. SPACE SMOKE DETECTORS IN ACCORDANCE WITH NFPA 72 AND THE MANUFACTURER'S PUBLISHED RECOMMENDATIONS.
2. IN AREAS WHERE ENVIRONMENTAL CONDITIONS EXCEED THE SMOKE DETECTORS LISTING, PROVIDE HEAT DETECTORS SPACED IN ACCORDANCE WITH NFPA 72 AND THE MANUFACTURER PUBLISHED INSTRUCTIONS.

SMOKE EXHAUST SYSTEM CRITERIA

1. SMOKE EXHAUST SYSTEM SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH NFPA 92. COORDINATE WITH MECHANICAL CONTRACTOR FOR COMPLETE SYSTEM INSTALLATION.
2. QFPE SHALL REVIEW AND OVERSEE THE DESIGN AND INSTALLATION OF THE SMOKE EXHAUST SYSTEM. QFPE SHALL WITNESS AND CERTIFY TESTING OF SMOKE EXHAUST SYSTEM.

GENERAL NOTES

1. PROVIDE AN ADDRESSABLE COMBINED FIRE ALARM / MASS NOTIFICATION SYSTEM.
2. COORDINATE ALL REQUIRED SYSTEMS TO THE SATISFACTION OF THE ENGINEER AND AUTHORITY HAVING JURISDICTION. CORRECT ANY DEFICIENCIES, INCONSISTENCIES, OR POORLY COORDINATED INSTALLATIONS AT NO ADDITIONAL COST.
3. THE FIRE ALARM DRAWINGS ARE GENERAL IN NATURE AND DO NOT SHOW A FINAL QUANTITY OF DEVICES. NOTIFICATION APPLIANCE LOCATIONS, QUANTITIES, TAP SETTINGS, AND CANDELA RATINGS SHOWN ON THE PLANS ARE A GENERAL GUIDELINE TO COMMUNICATE DESIGN INTENT. DETERMINE THE FINAL QUANTITY AND LOCATION OF ALL DEVICES IN ACCORDANCE WITH THE SPECIFICATIONS, CONTRACT DRAWINGS, AND MANUFACTURER'S WRITTEN RECOMMENDATIONS TO BE COMPLIANT WITH ALL APPLICABLE CODES AND STANDARDS. PROVIDE ADDITIONAL DEVICES WHEN REQUIRED FOR A FULLY FUNCTIONING FIRE ALARM SYSTEM AS REQUIRED BY NFPA 72, NFPA 150, UFC 3-600-01, AND UFC 4-021-01.
4. CONCEAL ALL CONDUITS IN WALLS OR ABOVE CEILINGS UNLESS OTHERWISE INDICATED. EXCEPTION: CONDUIT IS ALLOWED TO BE SURFACE MOUNTED ON WALLS AND CEILINGS IN UNFINISHED AREAS (SUCH AS MECHANICAL ROOM, ELECTRICAL ROOM, AND TELECOM ROOM). WHERE A CONDUIT SUPPLIES A DEVICE NOT MOUNTED DIRECTLY ON THE WALL OR CEILING, ROUTE THE CONDUIT AS A SINGLE PENDENT DROP TO EACH DEVICE FROM THE CEILING SURFACE ABOVE. DO NOT TRAPEZE CONDUIT ACROSS AN OPEN SPACE.
5. ALL FIRE ALARM CONDUIT, JUNCTION / BACK BOXES, COVERS AND COUPLINGS MUST BE FACTORY PAINTED RED IN UNFINISHED AREAS (E.G., ABOVE CEILINGS, MECHANICAL ROOMS, ETC.). ALL CONDUIT, JUNCTION / BACK BOXES, COVERS AND COUPLINGS ARE PERMITTED TO BE PAINTED TO MATCH THE ROOM FINISHING IN FINISHED AREAS. THE INSIDE COVER OF THE JUNCTION BOX MUST BE IDENTIFIED AS "FIRE ALARM."
6. PROVIDE CONDUIT IN ACCORDANCE WITH THE REQUIREMENTS OF THE ELECTRICAL SPECIFICATIONS, UNLESS OTHERWISE NOTED. SUPPORT CONDUIT IN ACCORDANCE WITH THE NEC SUCH AS MAXIMUM 10 FT SUPPORT INTERVALS AND 3 FT FROM A TERMINATION. TENSION ONLY HANGERS (SUCH AS BATWINGS) ARE NOT PERMITTED. FLEXIBLE CONDUIT IS ONLY PERMITTED WHEN CONNECTING TO THE FOLLOWING DEVICES AND APPLIANCES: DEVICES LOCATED ON FIRE SUPPRESSION EQUIPMENT SUCH AS FLOW SWITCHES AND TAMPER SWITCHES, DEVICES AND APPLIANCES LOCATED IN REMOVABLE CEILING TILES, OR WHERE SPECIFICALLY NOTED.
7. PROVIDE CONDUCTOR SIZING NOT LESS THAN 16 AWG FOR SLC AND IDC. PROVIDE MINIMUM 14 AWG FOR VISUAL NAC THAT CONTAIN AUDIBLE ALARM APPLIANCES. PROVIDE MINIMUM 16 AWG FOR SPEAKER CIRCUITS. CONSISTENTLY COLOR COORDINATE ALL CONDUCTORS THROUGH THE SYSTEM IN RELATION TO DEVICES THEY FEED SUCH AS SLC - BLACK/RED, STROBE - YELLOW/BLUE. PROVIDE ADDRESSABLE SLC CIRCUITS WITH SHIELDED CONDUCTORS, WHERE THE SHIELDING IS GROUNDED AT ONE END. PROVIDE ALL CIRCUITS WITH LABELING AT THE POINT OF TERMINATION SUCH AS SLC 1, NAC 8, IDC 4.
8. RUN CONDUCTORS FROM DEVICE TO DEVICE WITHOUT SPLICES. WIRE NUTS ARE PROHIBITED. UTILIZE TERMINAL STRIPS WHERE CONDUCTORS CANNOT BE DIRECTLY TERMINATED AT THE DEVICE.
9. DO NOT USE FIRE ALARM EQUIPMENT PANELS AS RACEWAY FOR ROUTING POWER WIRING OR LOW VOLTAGE WIRING. ONLY ROUTE WIRING TERMINATING WITHIN THE PANEL INTO THE PANEL. PROVIDE 1/4 INCH SEPARATION BETWEEN POWER-LIMITED FIRE ALARM CIRCUITS AND POWER CIRCUITS.
10. SEPARATE THE SUPPLY AND RETURN CLASS A CIRCUITS HORIZONTALLY BY 4 FT AND VERTICALLY BY 1 FT EXCEPT WHERE PERMITTED BY NFPA 72.
11. MOUNTING DEVICES IN THE FACU/ACU, INCLUDING ANY SUBPANELS SUCH AS AMP, NAC, AND FAC WHICH ARE NOT UL LISTED OR FM APPROVED AS PART OF THE UNIT IS PROHIBITED.
12. PROVIDE SURGE SUPPRESSORS TO PROTECT ALL POWER SUPPLY CIRCUITS TO THE FACU/ACU, INCLUDING ANY SUBPANELS SUCH AS AMP, NAC, FAC, AND ALL FIRE ALARM CIRCUITS LEAVING OR ENTERING THE BUILDINGS. MOUNT SURGE SUPPRESSORS IN A SEPARATE ENCLOSURE, UNLESS IT IS UL LISTED OR FM APPROVED AND INSTALLED IN THE CONTROL UNIT BY THE FACTORY.
13. INSTALL FIRE ALARM BATTERIES IN THE ENCLOSURE OF THE DEVICE / UNIT IT SUPPORTS SUCH AS FACU/ACU ENCLOSURE OR IN AN INDEPENDENT DEDICATED ENCLOSURE.
14. PROVIDE GAIN CONTROL ON ALL MICROPHONES.

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

DESIGN BY:	C. SEVERSON
DRAWN BY:	J. WUCHKO
CHECKED BY:	T. JANSEN
SUBMITTED BY:	V. KREDENSER
SIZE:	ANSI D
ISSUE DATE:	JANUARY 2026
SOLICITATION NO.:	W912HN-26-B-A003
CONTRACT NO.:	
CATEGORY CODE:	141-1001-01
FILE NAME:	189618_F_Central

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FIRE ALARM NOTES, LEGEND AND ABBREVIATIONS

SHEET ID
FA001

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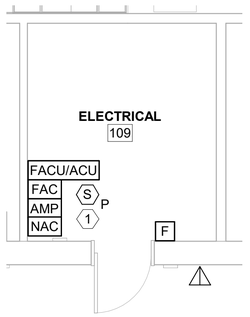


PLAN NORTH

E6 ELECTRICAL ROOM ENLARGED FLOOR PLAN

SCALE: 1/4" = 1'-0"

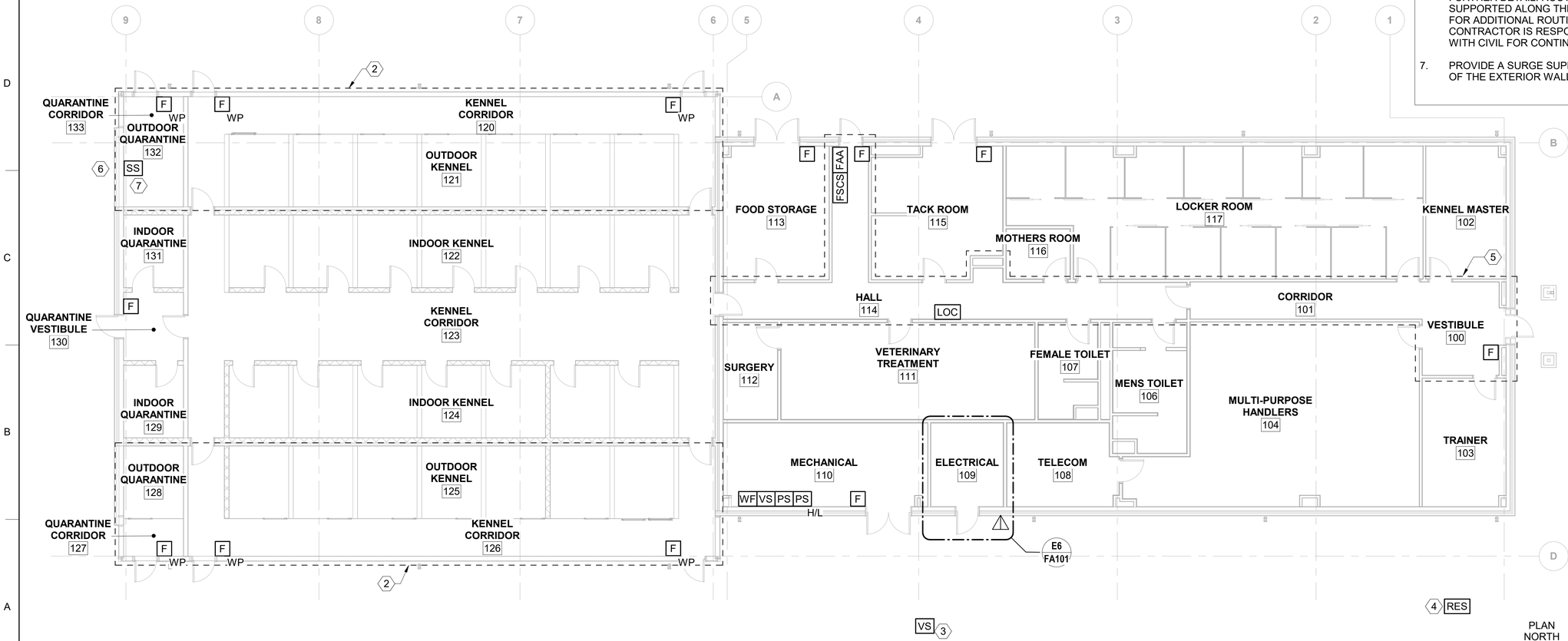
0 2' 4' 8'

GENERAL NOTES

1. REFER TO FA001 FOR GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND SYMBOLS.
2. WALL MOUNTED NOTIFICATION APPLIANCES ARE PERMITTED IN UNFINISHED AREAS WITH CONGESTED CEILINGS SUCH AS THE ELECTRICAL ROOM, TELECOM ROOM OR MECHANICAL ROOM.
3. WHERE SMOKE DETECTION IS REQUIRED BUT THE ENVIRONMENT IS NOT SUITABLE FOR THEIR INSTALLATION, PROVIDE HEAT DETECTORS.
4. FIRE ALARM DRAWINGS ARE GENERAL IN NATURE AND SHOW A GENERIC LAYOUT. FIRE ALARM CONTRACTOR TO PROVIDE THE FINAL QUANTITY AND DETERMINE THE FINAL LOCATION OF ALL FIRE ALARM DEVICES.

SHEET KEYNOTES

1. PROVIDE QUANTITY OF NAC AND AMP PANELS TO MEET DESIGN REQUIREMENT.
2. PROVIDE WEATHERPROOF DEVICES THROUGHOUT THE AREA.
3. MONITOR PIV. REFER TO CU101 FOR EXACT LOCATION.
4. PROVIDE A SUPERVISED KNOX BOX OUTSIDE OF PERIMETER FENCE. LOCATE ADJACENT TO PRIMARY VEHICLE ENTRANCE GATE. REFER TO CS101 FOR GATE LOCATION. REFER TO ES401 FOR KNOX BOX LOCATION.
5. PROVIDE ADDRESSABLE MODULES TO INTERFACE WITH THE LIGHTING CONTROLLER. COORDINATE WITH LIGHTING CONTRACTOR FOR EXACT QUANTITY AND LOCATION OF INTERFACES.
6. CONTINUE THE FIRE ALARM SYSTEM TO BREAK AREA / STORAGE THROUGH THE UTILITY TRENCH. REFER TO CU101 AND A1/CU505 FOR EXACT TRENCH LOCATION AND FURTHER DETAIL. ROUTE CIRCUITING IN CONDUIT SUPPORTED ALONG THE TRENCH WALL. REFER TO FA501 FOR ADDITIONAL ROUTING INFORMATION. THE FIRE ALARM CONTRACTOR IS RESPONSIBLE FOR FULL COORDINATION WITH CIVIL FOR CONTINUATION THROUGH THE TRENCH.
7. PROVIDE A SURGE SUPPRESSOR PRIOR TO PENETRATION OF THE EXTERIOR WALL.



PLAN NORTH

A1 FIRE ALARM AND MNS FLOOR PLANS - OVERALL

SCALE: 1/8" = 1'-0"

0 4' 8' 16'

GEORGIA REGISTERED No. PE0044077 PROFESSIONAL 12/31/2026 ENGINEER JAMES J. DEW 01/20/2026

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-1001-01
FILE NAME: 189618_143139_F_Central
SIZE: ANSI D

DESIGN BY: C. SEVERSON
DRAWN BY: J. WUCHKO
CHECKED BY: T. JANSEN
SUBMITTED BY: J. BEDROSIAN

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FIRE ALARM AND MNS FLOOR PLANS - OVERALL

SHEET ID
FA101

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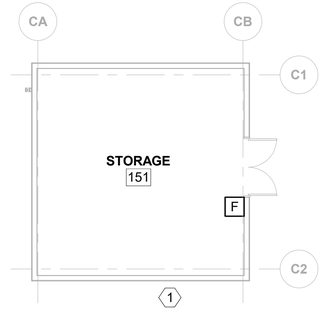
GENERAL NOTES

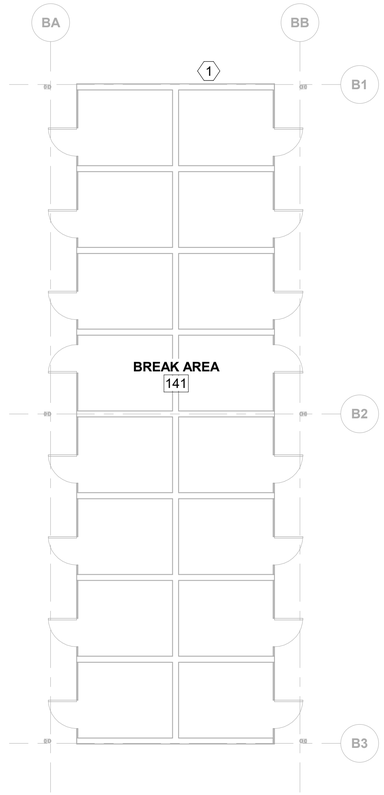
1. REFER TO FA001 FOR GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND SYMBOLS.
2. WALL MOUNTED NOTIFICATION APPLIANCES ARE PERMITTED IN UNFINISHED AREAS WITH CONGESTED CEILINGS SUCH AS THE STORAGE ROOM.
3. FIRE ALARM DRAWINGS ARE GENERAL IN NATURE AND SHOW A GENERIC LAYOUT. FIRE ALARM CONTRACTOR TO PROVIDE THE FINAL QUANTITY AND DETERMINE THE FINAL LOCATION OF ALL FIRE ALARM DEVICES.

SHEET KEYNOTES

1. CONNECT TO THE MAIN BUILDING FIRE ALARM SYSTEM THROUGH THE UTILITY TRENCH. REFER TO CU101 AND A1/CU505 FOR EXACT TRENCH LOCATION AND FURTHER DETAIL. ROUTE CIRCUITING IN CONDUIT SUPPORTED ALONG THE TRENCH WALL. REFER TO FA501 FOR ADDITIONAL ROUTING INFORMATION. THE FIRE ALARM CONTRACTOR IS RESPONSIBLE FOR FULL COORDINATION WITH CIVIL FOR CONTINUATION THROUGH THE TRENCH.



E6 FIRE ALARM AND MNS FLOOR PLANS - STORAGE 151
SCALE: 1/8" = 1'-0"
0 4' 8' 16'



A6 FIRE ALARM AND MNS FLOOR PLANS - BREAK AREA 141
SCALE: 1/8" = 1'-0"
0 4' 8' 16'

GEORGIA REGISTERED No. PE0044977 PROFESSIONAL 12/31/2026 ENGINEER JAMES J. DEW
01/20/2026

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE:	JANUARY, 2026
SOLICITATION NO.:	W912HN-26-B-A003
CONTRACT NO.:	
CATEGORY CODE:	141-001-01
FILE NAME:	189618_143139_F_Central
SIZE:	ANSI D
DESIGN BY:	C. SEVERSON
DRAWN BY:	J. WUCHKO
CHECKED BY:	T. JANSEN
SUBMITTED BY:	V. REDDICKAS

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FIRE ALARM AND MNS FLOOR PLANS - BREAK AREA 141 AND STORAGE 151

SHEET ID
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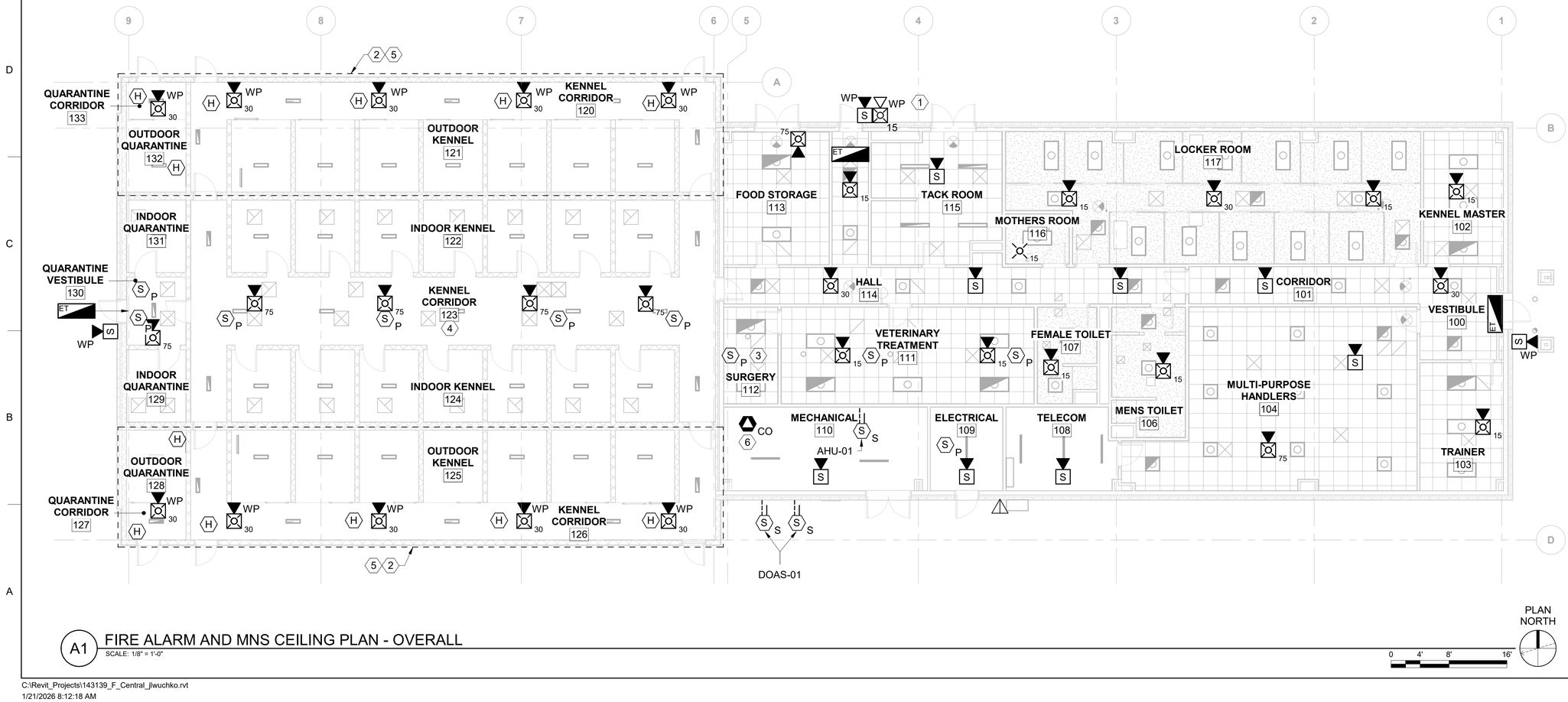
GENERAL NOTES

1. REFER TO FA001 FOR GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND SYMBOLS.
2. WALL MOUNTED NOTIFICATION APPLIANCES ARE PERMITTED IN UNFINISHED AREAS WITH CONGESTED CEILINGS SUCH AS THE ELECTRICAL ROOM, TELECOM ROOM OR MECHANICAL ROOM.
3. WHERE SMOKE DETECTION IS REQUIRED BUT THE ENVIRONMENT IS NOT SUITABLE FOR THEIR INSTALLATION, PROVIDE HEAT DETECTORS.
4. FIRE ALARM DRAWINGS ARE GENERAL IN NATURE AND SHOW A GENERIC LAYOUT. FIRE ALARM CONTRACTOR TO PROVIDE THE FINAL QUANTITY AND DETERMINE THE FINAL LOCATION OF ALL FIRE ALARM DEVICES.
5. ALL SPEAKERS SHOWN ARE TAPPED AT 1/4 WATT UNLESS INDICATED OTHERWISE.

SHEET KEYNOTES

1. WEATHERPROOF HORN/STROBE OVER FDC.
2. PROVIDE WEATHERPROOF DEVICES / APPLIANCES THROUGHOUT THE AREA.
3. DO NOT PROVIDE AUDIBLE OR VISUAL NOTIFICATION DEVICES WITHIN SURGERY ROOM 112.
4. PROVIDE SMOKE DETECTION THROUGHOUT INDOOR KENNEL AREA.
5. PROVIDE HEAT DETECTION THROUGHOUT OUTDOOR KENNEL AREAS.
6. PROVIDE CARBON MONOXIDE DETECTION ABOVE THE WATER HEATERS IN THE MECHANICAL ROOM.



A1 FIRE ALARM AND MNS CEILING PLAN - OVERALL
SCALE: 1/8" = 1'-0"

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
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SUBMITTED BY: JEFFERY KAYS
SIZE: ANSI D

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FIRE ALARM AND MNS CEILING PLAN - OVERALL

GEORGIA REGISTERED No. PE044977 PROFESSIONAL 12/31/2026 ENGINEER JAMES J. DEW
01/20/2026

SHEET ID
FA103

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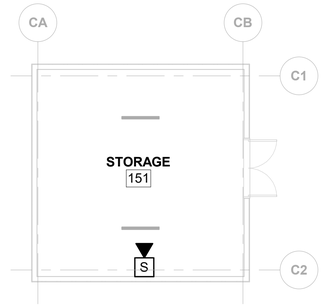
GENERAL NOTES

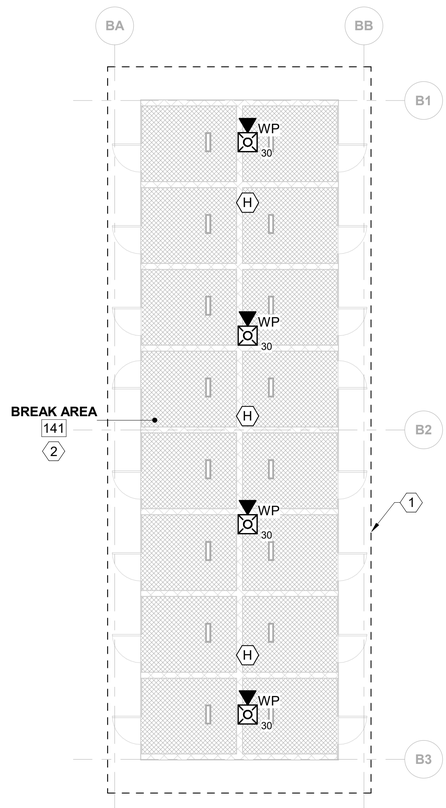
1. REFER TO FA001 FOR GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND SYMBOLS.
2. WALL MOUNTED NOTIFICATION APPLIANCES ARE PERMITTED IN UNFINISHED AREAS WITH CONGESTED CEILINGS SUCH AS THE STORAGE ROOM.
3. WHERE SMOKE DETECTION IS REQUIRED BUT THE ENVIRONMENT IS NOT SUITABLE FOR THEIR INSTALLATION, PROVIDE HEAT DETECTORS.
4. FIRE ALARM DRAWINGS ARE GENERAL IN NATURE AND SHOW A GENERIC LAYOUT. FIRE ALARM CONTRACTOR TO PROVIDE THE FINAL QUANTITY AND DETERMINE THE FINAL LOCATION OF ALL FIRE ALARM DEVICES.
5. ALL SPEAKERS SHOWN ARE TAPPED AT 1/4 WATT UNLESS INDICATED OTHERWISE.

SHEET KEYNOTES

1. PROVIDE WEATHERPROOF DEVICES / APPLIANCES THROUGHOUT THE AREA.
2. PROVIDE HEAT DETECTION THROUGHOUT THE BREAK AREA.



E6 FIRE ALARM AND MNS CEILING PLAN - STORAGE 151
SCALE: 1/8" = 1'-0"
0 4' 8' 16'



A6 FIRE ALARM AND MNS CEILING PLAN - BREAK AREA 141
SCALE: 1/8" = 1'-0"
0 4' 8' 16'

GEORGIA REGISTERED No. PE044977 PROFESSIONAL 12/31/2025 ENGINEER JAMES J. DEW
01/20/2026

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

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SUBMITTED BY:	V. KEDDIS-AS
SIZE:	ANSI D

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9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY'25, PN 69262

FIRE ALARM AND MNS CEILING PLAN - BREAK AREA 141 AND STORAGE 151

SHEET ID
FA104

READY TO ADVERTISE (RTA)

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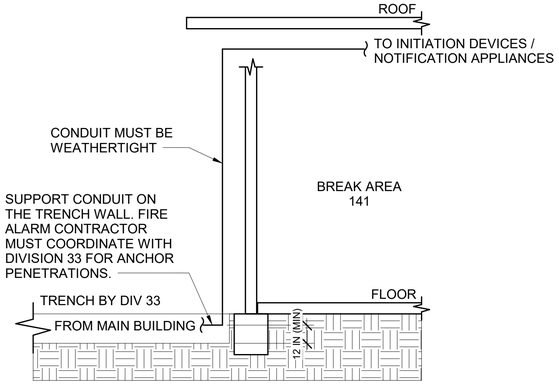
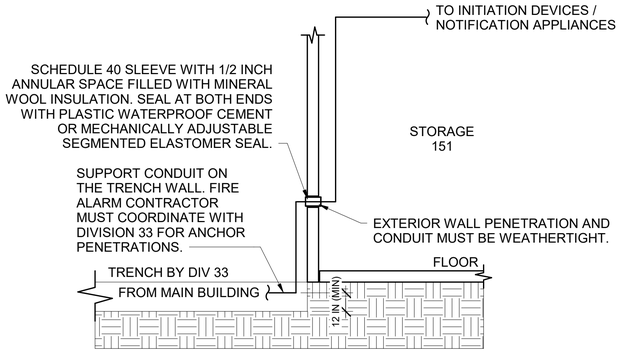
GENERAL NOTES

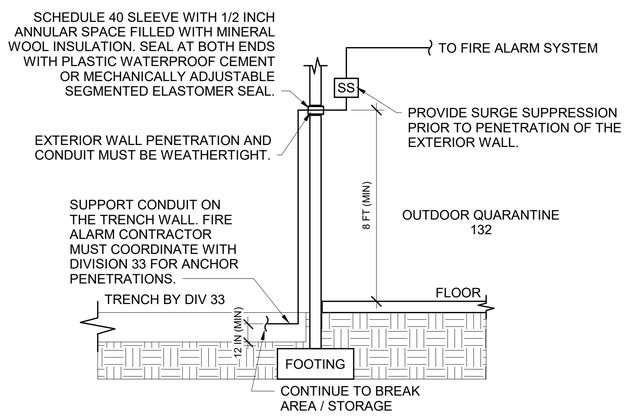
1. REFER TO FA001 FOR GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND SYMBOLS.



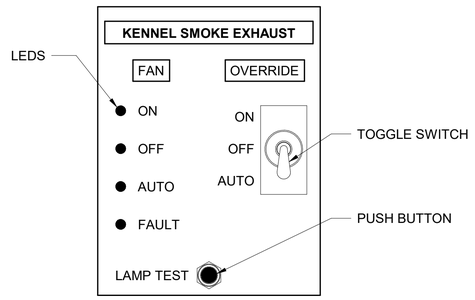
E1 BREAK AREA FIRE ALARM DETAIL
SCALE:NTS



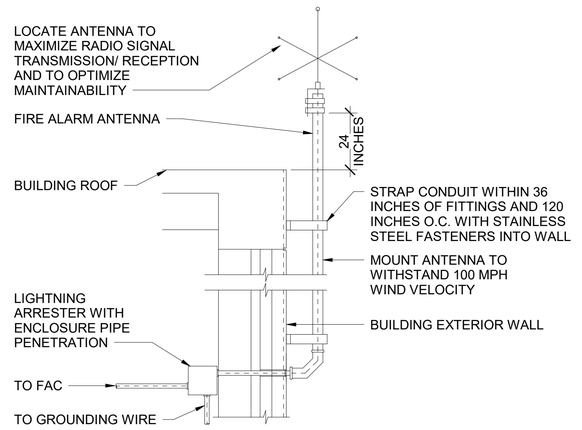
E4 STORAGE BUILDING FIRE ALARM DETAIL
SCALE:NTS



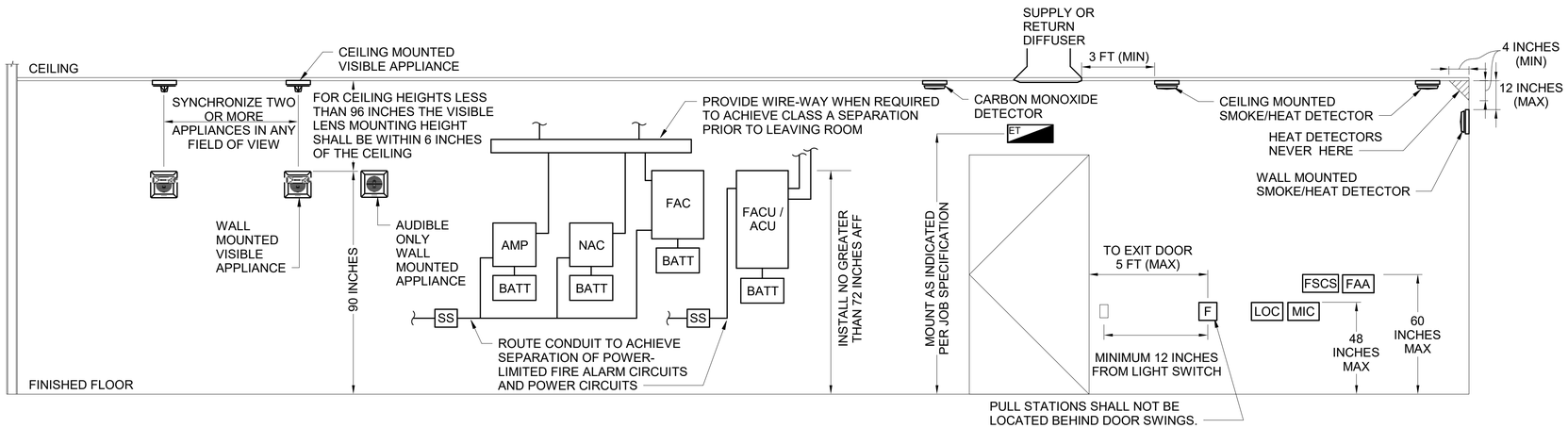
C1 MAIN BUILDING FIRE ALARM DETAIL
SCALE:NTS



C4 FIRE FIGHTERS SMOKE CONTROL STATION (FSCS) DETAIL
SCALE:NTS



C7 ANTENNA MOUNTING DETAIL
SCALE:NTS



A2 TYPICAL MOUNTING DETAIL
SCALE:NTS

GEORGIA REGISTERED No. PE041977 PROFESSIONAL 12/31/2026 ENGINEER JAMES J. DEW 01/20/2026

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

DESIGN BY: C. SEVERSON
DRAWN BY: J. WUCHKO
CHECKED BY: T. JANSEN
SUBMITTED BY: V. BRECKLEKAS
SIZE: ANSI D
ISSUE DATE: JANUARY 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-01
FILE NAME: 189618_143139_F_Central

U.S. ARMY CORPS OF ENGINEERS SAVANNAH DISTRICT 100 WEST OGLETHORPE AVE. SAVANNAH, GA 31401-3640

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FIRE ALARM DETAILS

SHEET ID
FA501

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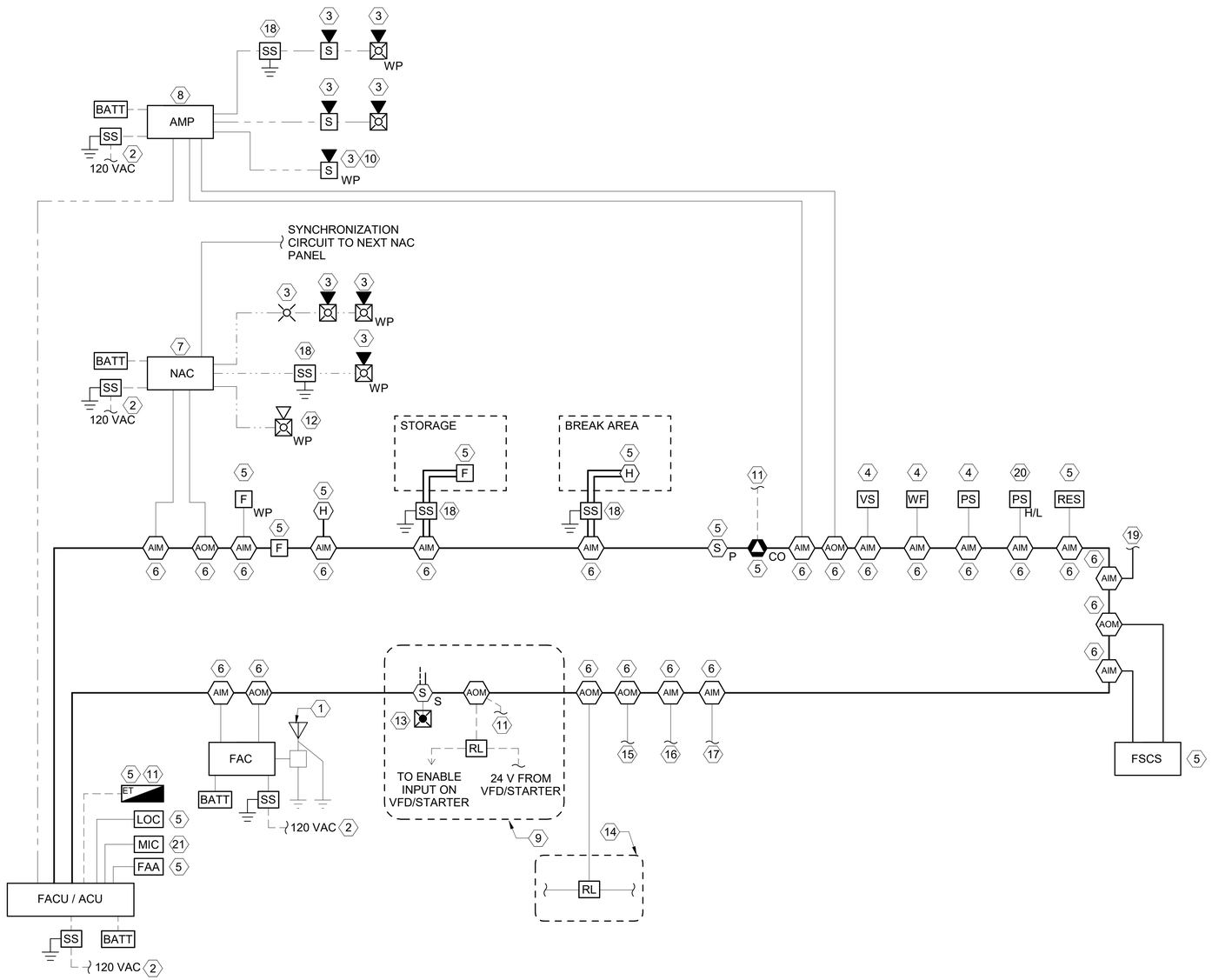

A5 FIRE ALARM AND MNS ONE-LINE DIAGRAM
SCALE: NTS

LEGEND

- SIGNALING LINE CIRCUIT (CLASS A)
- INITIATING DEVICE CIRCUITS (CLASS B)
- VISIBLE NOTIFICATION APPLIANCE CIRCUIT (CLASS B)
- AUDIBLE NOTIFICATION APPLIANCE CIRCUIT (CLASS B)
- POWER CIRCUIT

GENERAL NOTES

1. REFER TO FA001 FOR GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND SYMBOLS.
2. THE FIRE ALARM RISER SHOWS THE INTENT OF THE FIRE ALARM INFRASTRUCTURE. NOT ALL DEVICES ARE SHOWN. PROVIDE THE QUANTITY OF DEVICES AS REQUIRED TO COMPLY WITH NFPA 72, UFC 3-600-01, UFC 4-021-01 AND CONTRACT DOCUMENTS.
3. EACH FLOW AND TAMPER SWITCH SHALL REPORT BACK TO THE FIRE ALARM CONTROL PANEL WITH A SEPARATE ADDRESS. GROUPED SWITCHES ON ONE ADDRESS ARE NOT ACCEPTABLE.

SHEET KEYNOTES

1. MOUNT RADIO TRANSCEIVER ANTENNA PER MANUFACTURERS RECOMMENDATION. PROVIDE #6 BARE COPPER TO 3/4" X 10'-0" COPPER CLAD GROUND ROD AND TO BUILDING COUNTERPOISE, AND LIGHTNING ARRESTOR KIT.
2. RED, LOCKABLE BREAKER LABELED "FIRE ALARM" PROVIDED BY DIVISION 26. SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
3. QUANTITY AND LOCATION BY CONTRACTOR'S DESIGN TO MEET DESIGN CRITERIA.
4. COORDINATE CONNECTION LOCATION WITH DIVISION 21. REFER TO FX-501 FOR ADDITIONAL INFORMATION.
5. REFER TO FIRE ALARM PLANS FOR QUANTITY AND / OR LOCATIONS OF DEVICE(S).
6. PROVIDE ADDRESSABLE INPUT AND/OR OUTPUT MODULE(S) AS REQUIRED TO ACHIEVE THE FUNCTIONALITY INDICATED IN THE FIRE ALARM MATRIX.
7. PROVIDE ADDITIONAL BOOSTER PANELS AS REQUIRED PER CONTRACTOR'S DESIGN. WHERE ADDITIONAL BOOSTER PANELS ARE REQUIRED LOCATE AS INDICATED ON PLAN.
8. PROVIDE ADDITIONAL AMPLIFIERS AS REQUIRED PER CONTRACTOR'S DESIGN. WHERE ADDITIONAL AMPLIFIERS ARE REQUIRED LOCATE AS INDICATED ON PLAN.
9. PROVIDE SUPPLY DUCT SMOKE DETECTORS FOR DIRECT SHUT DOWN FOR THE FOLLOWING UNITS: AHU-1 AND DOAS-01. REFERENCE MECHANICAL DRAWINGS FOR EXACT LOCATION.
10. EXTERIOR WP FIRE ALARM / MASS NOTIFICATION SPEAKERS.
11. 24 VDC FROM FACU OR NAC PANEL.
12. EXTERIOR WP HORN STROBE OVER FDC.
13. PROVIDE INDICATING LIGHT AND SIGN NEAR HVAC UNIT MODULE ON SMOKE DETECTION WHERE INDICATING LIGHT ON THE SMOKE DETECTOR IS NOT VISIBLE FROM FLOOR.
14. TO SMOKE EXHAUST SYSTEM AND OUTSIDE AIR DAMPERS POWER CIRCUIT. COORDINATE WITH HVAC CONTRACTOR FOR EXACT LOCATION. REFERENCE DETAIL D1/M-710 FOR SMOKE EXHAUST SYSTEMS CONTROLS DIAGRAM.
15. TO LIGHTING CONTROLLER. REFERENCE DETAIL A1/EL503 FOR ADDITIONAL INFORMATION.
16. TO FLOW SWITCH ON EXHAUST DUCT. REFERENCE DETAIL D1/M-710 FOR ADDITIONAL INFORMATION.
17. TO DAMPER STATUS SWITCH ON EXHAUST FAN. REFERENCE DETAIL D1/M-710 FOR ADDITIONAL INFORMATION.
18. PROVIDE SURGE SUPPRESSION TO PROTECT CIRCUITS BETWEEN BUILDINGS.
19. TO DAS SYSTEM. REFERENCE DETAIL A1/TJ-501 FOR ADDITIONAL INFORMATION.
20. MONITOR HIGH/LOW NITROGEN GENERATOR PRESSURE SWITCH. COORDINATE LOCATION WITH FIRE SUPPRESSION CONTRACTOR.
21. PROVIDE MICROPHONE AS PART OF LOC.

GEORGIA REGISTERED No. PE044077 PROFESSIONAL 12/31/2026 ENGINEER JAMES J. DEW 01/20/2026

US Army Corps of Engineers ®

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FIRE ALARM AND MNS ONE-LINE DIAGRAM

SHEET ID
FA502

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FIRE ALARM CONTROL UNIT AND AUTONOMOUS CONTROL UNIT (FACU/ACU) FUNCTIONAL MATRIX

ALARM SIGNALS	ANNUNCIATION AT LOCAL PANEL			NOTIFICATION																		AUXILIARY FUNCTION						
	AUDIO-VISIBLE FIRE ALARM INDICATION BY DEVICE	AUDIO-VISIBLE TROUBLE INDICATION BY DEVICE	AUDIO-VISIBLE SUPERVISORY INDICATION BY DEVICE	MANUAL PULL STATION ALARM SIGNAL TO FIRE DEPARTMENT - MAIN BUILDING	MANUAL PULL STATION ALARM SIGNAL TO FIRE DEPARTMENT - STORAGE	SMOKE / HEAT DETECTION ALARM SIGNAL TO FIRE DEPARTMENT - MAIN BUILDING	HEAT DETECTION ALARM SIGNAL TO FIRE DEPARTMENT - BREAK AREA	FIRE SUPPRESSION ACTIVATION ALARM SIGNAL TO FIRE DEPARTMENT	CARBON MONOXIDE ALARM SIGNAL TO FIRE DEPARTMENT	COMMON TROUBLE SIGNAL TO FIRE DEPARTMENT	COMMON SUPERVISORY SIGNAL TO FIRE DEPARTMENT	PROVIDE SEPARATE SUPERVISORY SIGNALS AS REQUIRED BY NFPA 1225	FIRE ALARM AUDIBLE NOTIFICATION IN MAIN BUILDING	FIRE ALARM AUDIBLE NOTIFICATION IN BREAK AREA	FIRE ALARM AUDIBLE NOTIFICATION IN STORAGE	FIRE ALARM AND MASS NOTIFICATION VISIBLE NOTIFICATION IN MAIN BUILDING	FIRE ALARM AND MASS NOTIFICATION VISIBLE NOTIFICATION IN BREAK AREA	SILENCE GENERAL FIRE ALARM ANNOUNCEMENT (IF ENABLED)	DISABLE PUBLIC ADDRESS SYSTEM (IF ENABLED)	MASS NOTIFICATION ANNOUNCEMENT	LED TEXT DISPLAY - SEE MASS NOTIFICATION MESSAGES FOR TEXT	INITIATE WEATHERPROOF HORN/STROBE ABOVE FDC	ACTIVATE ALL SMOKE EXHAUST SYSTEMS AND OPEN OUTSIDE AIR DAMPERS	SHUT-DOWN ASSOCIATED AIR HANDLING EQUIPMENT	ACTIVATE LIGHTING CONTROLLER	SEND OFF-NORMAL SIGNAL TO FIRE FIGHTERS SMOKE CONTROL STATION	ON SIGNAL TO FIRE FIGHTERS SMOKE CONTROL STATION	DEACTIVATE ALL SMOKE EXHAUST SYSTEMS	SHUT DOWN DOAS SYSTEM
MANUAL FIRE ALARM STATIONS IN MAIN BUILDING	X			X									X			X			X									
MANUAL FIRE ALARM STATION IN STORAGE BUILDING	X				X										X				X									
SMOKE DETECTOR OVER FACU/ACU, AMPS AND NAC PANELS	X					X							X			X			X									
1ST HEAT OR SMOKE DETECTOR IN KENNEL AREA IN MAIN BUILDING	X					X							X			X			X									
2ND HEAT OR SMOKE DETECTOR IN KENNEL AREA IN MAIN BUILDING	X					X							X			X			X				X		X		X	
HEAT DETECTOR IN BREAK AREA	X						X							X					X									
FLOW SWITCHES - WET-PIPE SYSTEM	X							X					X			X			X			X			X			
PRESSURE SWITCHES - DRY-PIPE SYSTEM	X							X					X			X			X			X			X			
CARBON MONOXIDE DETECTOR	X								X											X								
TROUBLE SIGNALS																												
AC POWER FAILURE		X								X																		
LOW BATTERY		X								X																		
OPEN CIRCUIT FAULT		X								X																		
GROUND FAULT		X								X																		
NOTIFICATION APPLIANCE CIRCUIT SHORT		X								X																		
COMPONENT COMMON TROUBLE		X								X																		
SUPERVISORY SIGNALS																												
COMPONENT COMMON SUPERVISORY			X								X																	
IN-DUCT SMOKE DETECTORS			X								X													X				
MASS NOTIFICATION INPUT (DURING FIRE ALARM)			X								X					X	X	X		X	X							
MASS NOTIFICATION INPUT (EXCEPT DURING FIRE ALARM)																X	X			X	X							
HIGH/LOW NITROGEN PRESSURE			X								X																	
GENERAL VALVE SUPERVISORY			X								X																	
RAPID ENTRY SYSTEM			X								X																	
ERCES SYSTEM SUPERVISORY AS REQUIRED BY NFPA 1225			X									X																
NO FLOW CONDITION AFTER ACTIVATION OF SMOKE EXHAUST			X								X															X		
SMOKE EXHAUST SYSTEM - ON POSITION FROM SMOKE CONTROL PANEL			X								X												X					X
SMOKE EXHAUST SYSTEM - OFF POSITION FROM SMOKE CONTROL PANEL			X								X																X	
GRAVITY HOOD DAMPER OUT OF POSITION			X								X																	

GENERAL NOTES

1. REFER TO FA001 FOR GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND SYMBOLS.

MASS NOTIFICATION MESSAGES

MASS NOTIFICATION MESSAGES SHALL BE A FEMALE VOICE AND STATE THE FOLLOWING. MASS NOTIFICATION MESSAGES ARE LISTED IN ORDER OF PRIORITY. COORDINATE FINAL MESSAGES WITH BASE.

1. (TEMPORAL THREE ALERT TONE)
<TWO ROUNDS>
"MAY I HAVE YOUR ATTENTION PLEASE. MAY I HAVE YOUR ATTENTION PLEASE. A FIRE EMERGENCY HAS OCCURRED; PLEASE LEAVE THE BUILDING BY THE NEAREST EXIT."
<PAUSE 2 SECONDS> REPEAT MESSAGE.

2. (TEMPORAL FOUR ALERT TONE)
<TWO ROUNDS>
"MAY I HAVE YOUR ATTENTION PLEASE. MAY I HAVE YOUR ATTENTION PLEASE. CARBON MONOXIDE HAS BEEN DETECTED IN THE BUILDING. PLEASE LEAVE THE BUILDING BY THE NEAREST EXIT."
<PAUSE 2 SECONDS> REPEAT MESSAGE.

3. (A HORN IS PLAYED FOR 4 SECONDS)
<TWO ROUNDS>
"MAY I HAVE YOUR ATTENTION PLEASE. MAY I HAVE YOUR ATTENTION PLEASE. A BOMB THREAT HAS BEEN REPORTED IN THE BUILDING. PLEASE LEAVE THE BUILDING BY THE NEAREST EXIT."
<PAUSE 2 SECONDS> REPEAT MESSAGE.

4. (A HORN IS PLAYED FOR 4 SECONDS)
<TWO ROUNDS>
"MAY I HAVE YOUR ATTENTION PLEASE. MAY I HAVE YOUR ATTENTION PLEASE. AN INTRUDER OR HOSTILE PERSON HAS BEEN REPORTED IN THE BUILDING. PLEASE SEEK A DESIGNATED SAFE LOCATION IMMEDIATELY."
<PAUSE 2 SECONDS> REPEAT MESSAGE.

5. (A HORN IS PLAYED FOR 4 SECONDS)
<TWO ROUNDS>
"MAY I HAVE YOUR ATTENTION PLEASE. MAY I HAVE YOUR ATTENTION PLEASE. PLEASE SEEK A DESIGNATED SAFE LOCATION IMMEDIATELY."
<PAUSE 2 SECONDS> REPEAT MESSAGE.

6. (A HORN IS PLAYED FOR 4 SECONDS)
<TWO ROUNDS>
"MAY I HAVE YOUR ATTENTION PLEASE. MAY I HAVE YOUR ATTENTION PLEASE. PLEASE LEAVE THE BUILDING BY THE NEAREST EXIT."
<PAUSE 2 SECONDS> REPEAT MESSAGE.

7. (A HORN IS PLAYED FOR 8 SECONDS)
<TWO ROUNDS>
"MAY I HAVE YOUR ATTENTION PLEASE. MAY I HAVE YOUR ATTENTION PLEASE. A WEATHER EMERGENCY HAS BEEN REPORTED IN THE AREA. PLEASE SEEK A DESIGNATED SAFE LOCATION IMMEDIATELY."
<PAUSE 2 SECONDS> REPEAT MESSAGE.

8. (A HORN IS PLAYED FOR 4 SECONDS)
<ONE ROUND>
"MAY I HAVE YOUR ATTENTION PLEASE. MAY I HAVE YOUR ATTENTION PLEASE. THE EMERGENCY HAS BEEN RESOLVED; RETURN TO NORMAL OPERATIONS."
<PAUSE 2 SECONDS> REPEAT MESSAGE.

9. (A HORN IS PLAYED FOR 8 SECONDS)
<ONE ROUND>
"TEST, TEST, TEST, THIS IS AN EMERGENCY NOTIFICATION AUDIO SYSTEM TEST; YOU MAY CONTINUE NORMAL OPERATIONS, TEST, TEST, TEST."
<PAUSE 2 SECONDS>
REPEAT MESSAGE.

10. SPARE - NO MESSAGE

GEORGIA REGISTERED No. PE044977 PROFESSIONAL 12/31/2026 ENGINEER JAMES J. DEW 01/20/2026

US Army Corps of Engineers ®

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DESIGN BY:	C. SEVERSON
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CHECKED BY:	T. JANSEN
SUBMITTED BY:	V. VERDICCHIO
SIZE:	FILE NAME: 143139_F_Central
ANSI D	18968

ISSUE DATE:	JANUARY 2026
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FIRE ALARM MATRIX

SHEET ID
FA601

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FIRE SUPPRESSION LEGEND

- PRESSURE RELIEF VALVE
- OUTSIDE SCREW AND YOKE VALVE (OS&Y)
- VALVE
- INDICATING BUTTERFLY VALVE
- DOUBLE CHECK BACKFLOW PREVENTER
- CHECK VALVE
- AUTOMATIC DRAIN VALVE
- AUTOMATIC AIR RELEASE VALVE
- FLOW SWITCH
- PRESSURE SWITCH
- Y STRAINER
- FLOW TEST HEADER
- PRESSURE GAUGE
- SIGHT GLASS
- DRY VALVE
- THRUST BLOCK
- FLANGED CONNECTION
- PRESSURE REGULATING VALVE
- DRIP CUP
- MANUAL BALL VALVE
- REDUCER

FIRE SUPPRESSION SYSTEM

- WET SYSTEM
- DRY SYSTEM

PIPING SYMBOLS

- DRAIN PIPING
- SYSTEM PIPING
- AIR PIPING
- ELBOW UP OR DOWN

PLAN/SECTION/DETAIL TITLE

SECTION, DETAIL OR ELEVATION IDENTIFICATION MARK

PLAN, SECTION, OR DETAIL TITLE

DETAIL CALLOUT SYMBOL

DETAIL NUMBER

PLATE NUMBER WHERE DETAIL IS DRAWN

ABBREVIATIONS

AMPS	AMPERES
AFF	ABOVE FINISHED FLOOR
DIV	DIVISION
FDC	FIRE DEPARTMENT CONNECTION
FM	FM GLOBAL
FT	FEET
FX	FIRE SUPPRESSION
GPM	GALLONS PER MINUTE
LBS	POUNDS
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
PH	PHASE
PSI	POUNDS PER SQUARE INCH
(S)	ELECTRICALLY SUPERVISED
SQ FT	SQUARE FOOT
TYP	TYPICAL
UFC	UNIFIED FACILITIES CRITERIA
UL	UNDERWRITERS LABORATORY
UNO	UNLESS NOTED OTHERWISE
MBS	METAL BUILDING SYSTEM
NC	NORMALLY CLOSED
NIC	NITROGEN INTERFACE CONTROLLER
NO	NORMALLY OPEN
V	VOLTS

DESIGN CRITERIA

1. SERVE THE FIRE SUPPRESSION SYSTEM FROM THE EXISTING DOMESTIC SYSTEM. PERFORM A HYDRANT FLOW TEST, AND INCORPORATE THIS TEST INTO THE HYDRAULIC CALCULATIONS. HYDRANT FLOW TESTING SHALL BE IN ACCORDANCE WITH NFPA 291, AND THE RESULTS OF THE TESTING SHALL BE SUBMITTED AS INDICATED IN NFPA 291 FIGURE 4.13.2.

FOR INFORMATION ONLY: FLOW TEST 1

DATE	09/23/2025
STATIC	60 PSI
RESIDUAL	50 PSI
FLOW	1,662 GPM

2. THE FIRE SUPPRESSION SYSTEM SHALL BE DESIGNED AND INSTALLED BY A LICENSED / CERTIFIED COMPANY WHERE EMPLOYEES ARE LICENSED / CERTIFIED TO INSTALL FIRE PROTECTION EQUIPMENT IN THE STATE WHERE THE WORK IS TO BE COMPLETED.
3. ALL COMPONENTS AND ASSEMBLIES USED IN THIS FIRE PROTECTION SYSTEM MUST BE SPECIFICALLY UL LISTED OR FM APPROVED FOR THEIR INTENDED USE.

PLAN NORTH

C5 FIRE HYDRANT FLOW TEST MAP
SCALE:NTS

GENERAL NOTES

1. PROVIDE ALL NECESSARY COMPONENTS FOR A WET-PIPE AND A DRY-PIPE SYSTEM. AT A MINIMUM PROVIDE COMPONENTS AS INDICATED ON THESE DRAWINGS. PROVIDE ADDITIONAL COMPONENTS AND MODIFICATIONS AS REQUIRED TO PROVIDE A FULLY FUNCTIONING FIRE SUPPRESSION SYSTEM.
2. COORDINATE ALL REQUIRED SYSTEMS TO THE SATISFACTION OF THE ENGINEER AND AUTHORITY HAVING JURISDICTION. CORRECT ANY DEFICIENCIES, INCONSISTENCIES, OR POORLY COORDINATED INSTALLATIONS AT NO ADDITIONAL COST.
3. FINAL DESIGN REQUIREMENTS (DEVICE QUANTITY, SIZE, AND LOCATIONS) ARE THE SOLE RESPONSIBILITY OF THE FIRE SUPPRESSION CONTRACTOR. DRAWINGS INDICATE MINIMUM REQUIREMENTS; VERIFY AND COORDINATE FINAL DESIGN REQUIREMENTS WITH THESE CONSTRUCTION DOCUMENTS, SPECIFICATIONS, REFERENCE DOCUMENTS, APPLICABLE CODES, AND FACILITY USER REQUIREMENTS.
4. ALL DRAIN PENETRATIONS THROUGH EXTERIOR WALL SHALL BE NO GREATER THAN 2'-0" ABOVE FINISHED GRADE.
5. PROVIDE FIRE PROTECTION HANGERS PER NFPA 13. SUPPORT PIPING WITH THE FOLLOWING LIMITATIONS:
   - A. THE TOTAL VERTICAL DEAD LOAD APPLIED TO A SINGLE STRUCTURAL FRAMING MEMBER BY ONE OR MORE HANGERS MUST NOT EXCEED THE FOLLOWING FOR THE APPROVED ATTACHMENT LOCATION:
     - a. TOP OR BOTTOM CONNECTION TO A WIDE FLANGE BEAM: 1000 LBS
     - b. WEB CONNECTION TO A PURLIN: 300 LBS
     - c. TOP OR BOTTOM CONNECTION, CENTERED IN JOIST: 300 LBS
     - d. ANCHORS INTO THE DECK: NOT PERMITTED, UNLESS OTHERWISE NOTED.
     - e. ALL OTHER CONNECTION TYPES MUST BE APPROVED BY THE ENGINEER, UNLESS OTHERWISE NOTED.
     - f. REFER TO STRUCTURAL FOR ADDITIONAL HANGING REQUIREMENTS.
   - B. DEAD LOAD IS THE WEIGHT OF THE WATER-FILLED PIPE.
   - C. PROVIDE ADDITIONAL HANGERS OR TRAPEZE HANGERS TO DISTRIBUTE THE LOAD BETWEEN MULTIPLE STRUCTURAL FRAMING MEMBERS WHERE THE MAXIMUM VERTICAL LOAD IS EXCEEDED.
6. PROVIDE FIRE PROTECTION SWAY BRACING TO MEET THE SEISMIC REQUIREMENTS PER NFPA 13, UFC 3-301-01, AND ASCE/SEI 7 WITH THE FOLLOWING LIMITATIONS:
   - A. THE TOTAL HORIZONTAL LOAD APPLIED TO A SINGLE STRUCTURAL FRAMING MEMBER BY ONE OR MORE SWAY BRACES MUST NOT EXCEED THE FOLLOWING FOR THE APPROVED ATTACHMENT LOCATIONS:
     - a. TOP CONNECTION TO A WIDE FLANGE BEAM: 1,500 LBS
     - b. BOTTOM CONNECTION TO A WIDE FLANGE BEAM: 500 LBS
     - c. TOP CONNECTION TO A JOIST: 300 LBS
     - d. TOP CONNECTION TO A PURLIN: COORDINATE WITH MBS PERFORMANCE LIMITATIONS.
     - e. ANCHORS INTO THE DECK: NOT PERMITTED, UNLESS OTHERWISE NOTED.
     - f. ALL OTHER CONNECTIONS MUST BE APPROVED BY THE ENGINEER, UNLESS OTHERWISE NOTED.
   - B. CONNECTION TO STRUCTURAL FRAMING MEMBERS WHERE THE LOAD IS APPLIED PARALLEL TO THE MEMBER'S ORIENTATION ARE NOT LIMITED.
   - C. CONNECTIONS TO REINFORCED MASONRY OR PRECAST CONCRETE WALLS ARE NOT LIMITED.
7. ALL VALVES INCLUDING CONTROL AND TRIM VALVES SHALL BE WITHIN 6'-0" AFF UNO.
8. INSTALL ALL FIRE SUPPRESSION WATER PIPING AS PART OF THIS PROJECT IN ACCORDANCE WITH NFPA 13 PROTECTION OF PIPING DAMAGE IN AREAS SUBJECT TO EARTHQUAKES. SHORT PERIOD RESPONSE FACTOR Sds 0.25 PER STRUCTURAL SHEET S-001.
9. ALL DRAIN PENETRATIONS THROUGH EXTERIOR WALL MUST BE NO GREATER THAN 2'-0" ABOVE FINISHED GRADE.

FIRE PROTECTION NITROGEN GENERATION SCHEDULE

MARK	BASIS OF DESIGN	LOCATION SERVED	ELECTRICAL DATA V/Ph/Amps
NIC-1	ECS PROTECTOR NITROGEN INTERFACE CONTROLLER (NIC-1)	OUTDOOR KENNELS, BREAK AREA, AND STORAGE	115/1/2

FIRE PROTECTION SPRINKLER SYSTEM DESIGN CRITERIA

MARK	HAZARD CLASSIFICATION	SYSTEM TYPE	DENSITY GPM/SF	REMOTE AREA SQ FT	MAXIMUM AREA PER HEAD SQ FT	HOSE DEMAND GPM	SPRINKLER CHARACTERISTICS: TEMP RATING (°F)	TYPE / FINISH (CEILINGS)	TYPE / FINISH (EXPOSED)	MINIMUM K-FACTOR	NOTES
	LIGHT HAZARD	WET	0.10	1500	225	250	ORDINARY	QUICK RESPONSE WHITE RECESSED PENDENT	QUICK RESPONSE BRASS UPRIGHT	5.6	2
	LIGHT HAZARD	DRY	0.10	1950	225	250	ORDINARY	QUICK RESPONSE WHITE RECESSED PENDENT	STANDARD RESPONSE BRASS UPRIGHT	5.6	2
	ORDINARY HAZARD	WET	0.20	2500	130	250	ORDINARY	QUICK RESPONSE WHITE RECESSED PENDENT	QUICK RESPONSE BRASS UPRIGHT	8.0	1, 2
	ORDINARY HAZARD	DRY	0.20	3500	130	250	ORDINARY	QUICK RESPONSE WHITE RECESSED PENDENT	STANDARD RESPONSE BRASS UPRIGHT	8.0	1, 2

NOTE 1: PROVIDE 200 °F RATED SPRINKLERS IN MECHANICAL, ELECTRICAL, AND COMMUNICATION ROOMS.
NOTE 2: INCREASE THE REMOTE AREA BY 30% WHERE THE SLOPE OF THE CEILING EXCEEDS 2 IN 12.

GEORGIA REGISTERED No. PE044977 PROFESSIONAL 12/31/2026 ENGINEER JAMES J. DEW 01/20/2026

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

DESIGN BY: C. SEVERSON
DRAWN BY: J. WUCHKO
CHECKED BY: T. JANSEN
SUBMITTED BY: J. WEDDLETON
SIZE: ANSI D
ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-01
FILE NAME: 189618_143139_F_Central

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER army airfield, georgia
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

FIRE SUPPRESSION NOTES, LEGEND AND ABBREVIATIONS

SHEET ID
FX001

READY TO ADVERTISE (RTA)

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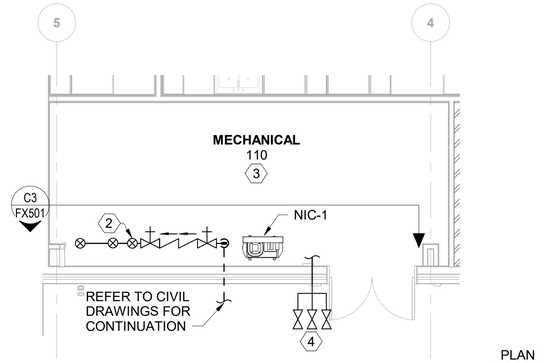
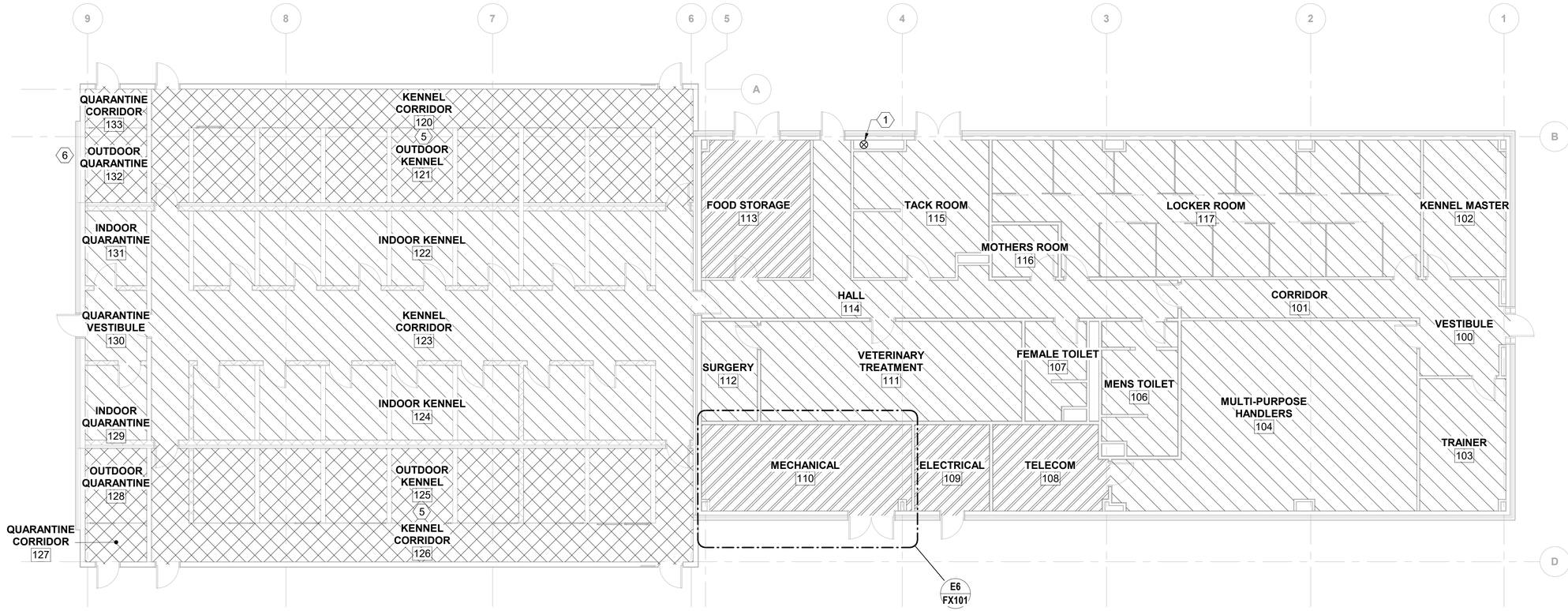


E6 MECHANICAL ROOM ENLARGED PLAN

SCALE: 3/16" = 1'-0"

0 4' 8' 12'

PLAN NORTH



A1 FIRE SUPPRESSION FLOOR PLAN

SCALE: 1/8" = 1'-0"

0 4' 8' 16'

PLAN NORTH

GENERAL NOTES

1. REFER TO FX001 FOR GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND SYMBOLS.

SHEET KEYNOTES

1. FDC STUB-UP THROUGH SLAB
2. CONNECTION FROM YARD FDC
3. SEE A1/FX101 FOR SPRINKLER DESIGN CRITERIA.
4. PROVIDE THE QUANTITY OF OUTLETS REQUIRED PER DESIGN.
5. ROOF SLOPE EXCEEDS 2/12.
6. CONTINUE THE DRY SYSTEM TO BREAK AREA / STORAGE THROUGH THE UTILITY TRENCH. REFER TO CU101 AND A1/CU505 FOR EXACT TRENCH LOCATION AND FURTHER DETAIL. REFER TO FX501 FOR ADDITIONAL PIPE ROUTING INFORMATION. THE FIRE SUPPRESSION CONTRACTOR IS RESPONSIBLE FOR FULL COORDINATION WITH CIVIL FOR CONTINUATION THROUGH THE TRENCH.

LEGEND

MARK	HAZARD CLASSIFICATION
	LIGHT HAZARD (WET)
	LIGHT HAZARD (DRY)
	ORDINARY HAZARD (WET)

GEORGIA REGISTERED No. PE044977 PROFESSIONAL 12/31/2026 ENGINEER JAMES J. DEW 01/20/2026

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

DESIGN BY: C. SEVERSON
DRAWN BY: J. WUCHIKO
CHECKED BY: T. JANSEN
SUBMITTED BY: V. REDDICK-AS
SIZE: ANSI D
ISSUE DATE: JANUARY 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-01
FILE NAME: 189618_143139_F_Central

U.S. ARMY CORPS OF ENGINEERS
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SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

FIRE SUPPRESSION FLOOR PLANS - OVERALL

SHEET ID
FX101

READY TO ADVERTISE (RTA)

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GENERAL NOTES

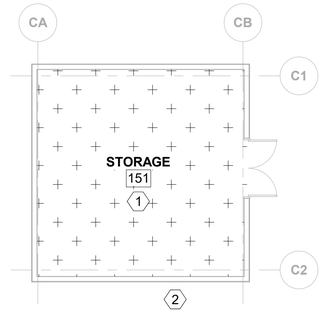
1. REFER TO FX001 FOR GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND SYMBOLS.

SHEET KEYNOTES

1. ROOF SLOPE EXCEEDS 2/12.
2. CONTINUE THE DRY SYSTEM FROM MAIN BUILDING THROUGH THE UTILITY TRENCH. REFER TO CU101 AND A1/CU505 FOR EXACT TRENCH LOCATION AND FURTHER DETAIL. REFER TO FX501 FOR ADDITIONAL PIPE ROUTING INFORMATION. THE FIRE SUPPRESSION CONTRACTOR IS RESPONSIBLE FOR FULL COORDINATION WITH CIVIL FOR CONTINUATION THROUGH THE TRENCH.
3. PROVIDE COVERAGE UNDER ENTIRE ROOF.

LEGEND

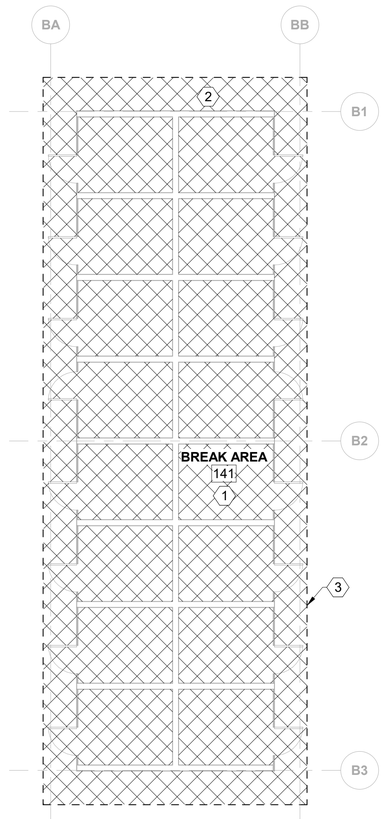
MARK	HAZARD CLASSIFICATION
	LIGHT HAZARD (DRY)
	ORDINARY HAZARD (DRY)



E6 FIRE SUPPRESSION FLOOR PLAN - STORAGE 151

SCALE: 1/8" = 1'-0"

0 4' 8' 16'



A6 FIRE SUPPRESSION FLOOR PLAN - BREAK AREA 141

SCALE: 1/8" = 1'-0"

0 4' 8' 16'

GEORGIA REGISTERED No. PE0044977 PROFESSIONAL 12/31/2026 ENGINEER JAMES J. DEW 01/20/2026

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-01
FILE NAME: 189618_143139_F_Central
DESIGN BY: C. SEVERSON
DRAWN BY: J. WUCHKO
CHECKED BY: T. JANSEN
SUBMITTED BY: V. KEDDIS-AS
SIZE: ANSI D

U.S. ARMY CORPS OF ENGINEERS
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FY25, PN 69262

FIRE SUPPRESSION FLOOR PLANS - BREAK AREA 141 AND STORAGE 151

SHEET ID
FX102

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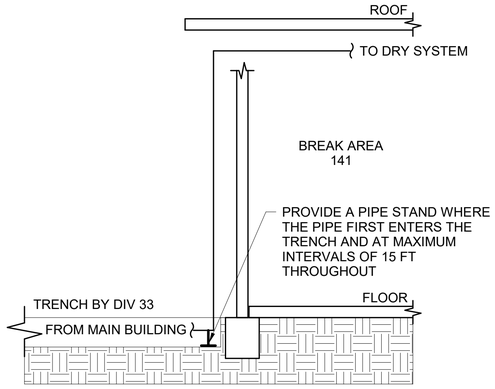
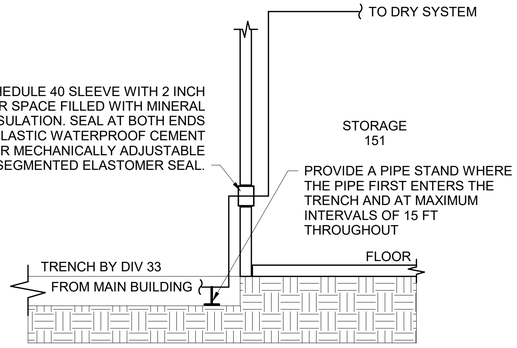
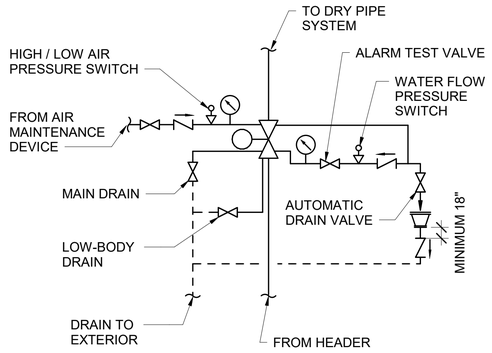


E1 BREAK AREA FIRE SUPPRESSION DETAIL
SCALE:NTS



E3 STORAGE FIRE SUPPRESSION DETAIL
SCALE:NTS



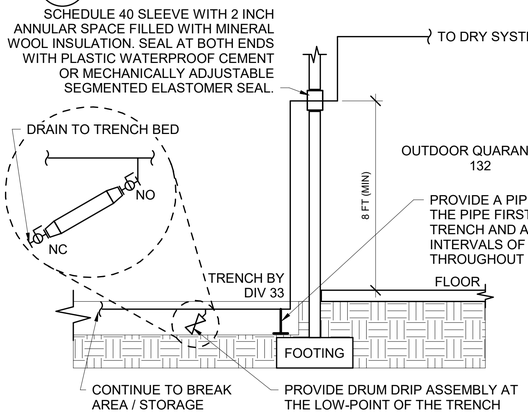
E6 DRY PIPE VALVE DETAIL
SCALE:NTS

GENERAL NOTES

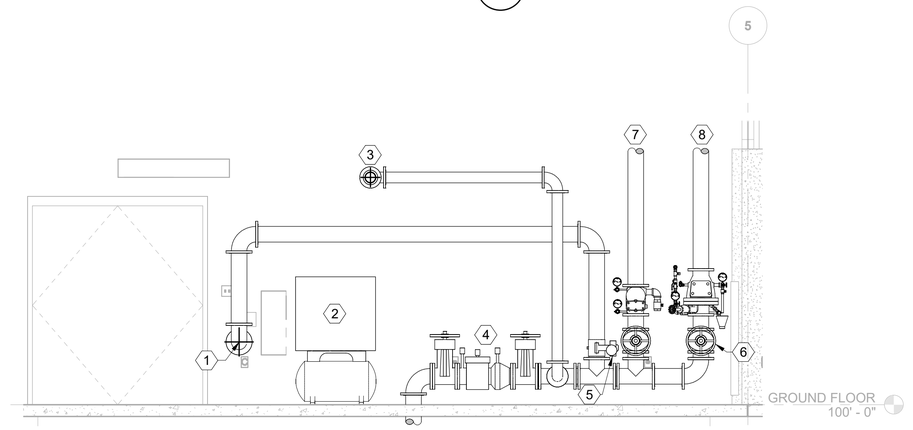
1. REFER TO FX001 FOR GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND SYMBOLS.

SHEET KEYNOTES

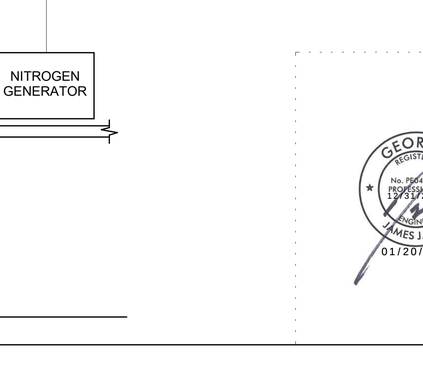
1. FORWARD FLOW TEST HEADER
2. NITROGEN GENERATOR
3. TO REMOTE FDC
4. BACKFLOW PREVENTER
5. BUTTERFLY VALVE
6. OS&Y VALVE (TYP)
7. TO WET-PIPE SPRINKLER SYSTEM
8. TO DRY-PIPE SPRINKLER SYSTEM
9. LOCATE CHECK VALVE ABOVE TACK ROOM CEILING. LABEL CEILING TILE TO INDICATE VALVE LOCATION.
10. REFERENCE CIVIL DRAWING CU101 FOR CONTINUATION.



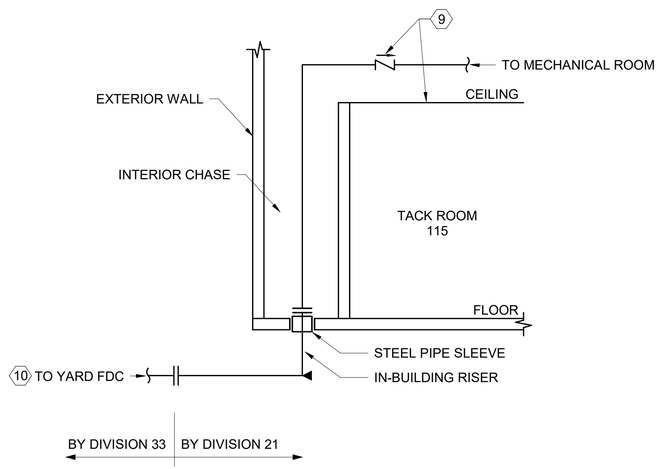
C1 MAIN BUILDING FIRE SUPPRESSION DETAIL
SCALE:NTS



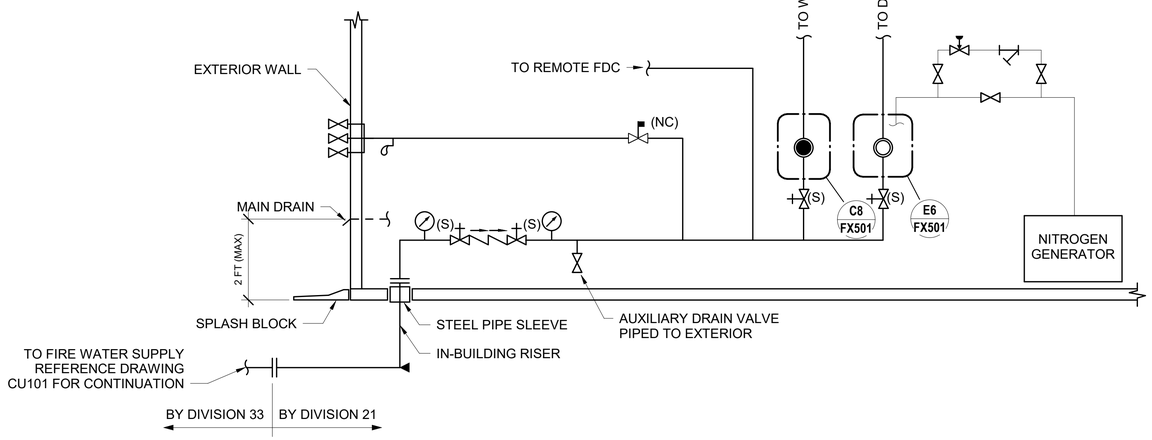
C3 FIRE SUPPRESSION SYSTEM SECTION VIEW
SCALE: 3/8" = 1'-0"



C8 WET RISER DETAIL
SCALE:NTS



A1 FIRE SUPPRESSION FDC DIAGRAM
SCALE:NTS



A4 FIRE SUPPRESSION RISER DIAGRAM
SCALE:NTS

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-1001-01
DESIGN BY: C. SEVERSON
DRAWN BY: J. WUCHKO
CHECKED BY: T. JANSEN
SUBMITTED BY: BURNS MCDONNELL
SIZE: ANSI D
FILE NAME: 143139_F_Central

U.S. ARMY CORPS OF ENGINEERS
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HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY'25, PN 69262

FIRE SUPPRESSION DETAILS

SHEET ID
FX501

READY TO ADVERTISE (RTA)

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PIPE LINE ACCESSORIES

- GATE VALVE
- OS&Y — OUTSIDE SCREW & YOKE VALVE
- BUTTERFLY VALVE
- CHECK VALVE
- 2-WAY VALVE
- 3-WAY VALVE
- BALL VALVE
- BALANCING VALVE / CIRCUIT SETTER
- RELIEF, SAFETY OR THERMAL RELIEF VALVE
- M — MOTORIZED CONTROL VALVE
- HOSE GATE DRAIN VALVE
- GLOBE VALVE
- PLUG VALVE
- SRC — SPRING RETURN CLOSED BALL VALVE
- ANGLE VALVE
- SELF CONTAINED PRESSURE REDUCING (REGULATING) VALVE
- AV — AUTOMATIC AIR VENT ASSEMBLY
- MV — MANUAL AIR VENT ASSEMBLY - SEE SPECIFICATIONS FOR APPROPRIATE VALVE TYPE
- FLEX CONNECTION
- PUMP
- THERMOMETER
- BFP — BACKFLOW PREVENTION ASSEMBLY
- SUCTION DIFFUSER
- PRESSURE GUAGE
- Y-TYPE STRAINER
- REMOVABLE CAP
- REMOVABLE PLUG
- REDUCER (CONCENTRIC)
- UNION
- BLIND FLANGE
- TEST CONNECTION
- M — METER
- FM — FLOW METER
- S — STRAINER
- IF — INSULATING FLANGE
- PIPE WITH HEAT TRACE
- FLOW ARROW

PLUMBING SYMBOLS LEGEND

WC-01	WATER CLOSET
WC-02	WATER CLOSET - ACCESSIBLE
UR-01	URINAL
UR-02	URINAL, ACCESSIBLE
LAV-01	LAVATORY, COUNTER MOUNTED
LAV-02	LAVATORY, WALL MOUNTED
JS-01	JANITOR SINK
MB-01	MOP BASIN
SH-01	SHOWER
SK-01	KITCHEN SINK
SK-02	SINK
SK-03	UNDER MOUNT SINK
EWC-01	DUAL ELECTRIC WATER COOLER
EEWS-01	EMERGENCY EYEWASH / SHOWER
4" FD-A	SIZE - FLOOR DRAIN
	PRESSURE/TEMPERATURE RELIEF VALVE
HB	HOSE BIBB
WH	WALL HYDRANT

RISER DIAGRAM LEGEND

CO	CLEANOUT (CO) IN RISER
FCO	CLEANOUT (FCO) IN FLOOR
	VENT THRU ROOF (VTR)
	FLOOR OR WALL PENETRATION
	PLUMBING FIXTURE TRAP
	FLOOR DRAIN / EQUIPMENT DRAIN
WHA-A	WATER HAMMER ARRESTOR
WCO	WALL CLEANOUT (WCO)
UP / DN	ISOMETRIC DIRECTION ARROW

PLUMBING ABBREVIATIONS

AC	AIR COCK
AFF	ABOVE FINISHED FLOOR
AG	AIR GAP
ARV	AIR RELEASE VALVE
BF	BLIND FLANGE
BOP	BOTTOM OF PIPE
BW	BUTT WELD
CH OP	CHAIN WHEEL OPERATOR
CONC	CONCENTRIC
COP	CENTER OF PIPE
CORP STOP	CORPORATION STOP
CPVC	CHLORINATED POLYVINYL CHLORIDE
D	DRAIN
DI	DUCTILE IRON
DN	DOWN
DWH	DOMESTIC WATER HEATER
ELL	ELBOW
EXIST	EXISTING
FCA	FLANGED COUPLING ADAPTER
FD	FLOOR DRAIN
FE	FLANGED END
FF	FLAT FACED
FI	FLOW INDICATOR
FLGD	FLANGED
FM	FLOW METER
FOB	FLAT ON BOTTOM
FOT	FLAT ON TOP
FOV	FLOAT OPERATED VALVE
FRP	FIBERGLASS REINFORCED PIPE
FW	FIELD WELD
HD	HUB DRAIN
I.E.	INVERT ELEVATION
IF	INSULATED FLANGE
LC	LOCK CLOSED
LO	LOCK OPEN
LR	LONG RADIUS
NPSH	NET POSITIVE SUCTION HEAD
NRS	NON-RISING STEM
NWL	NORMAL WATER LEVEL
PSIA	POUNDS PER SQUARE INCH ABSOLUTE
PSIG	POUNDS PER SQUARE INCH GAUGE
PVC	POLYVINYL CHLORIDE
RED	REDUCER-REDUCING
RS	RISING STEM
SCH	SCHEDULE
SCRD	SCREWED
SR	SHORT RADIUS
TD	TRENCH DRAIN
TOC	TOP OF CONCRETE
TOG	TOP OF GRATING
TOP	TOP OF PIPE
TOS	TOP OF STEEL
TP	TRAP PRIMER
VTR	VENT THROUGH ROOF

PIPE SYMBOLS

- PIPE UP
- PIPE DOWN
- PIPE CONTINUATION
- PIPE ELBOW

PIPE LINE DESIGNATIONS

V	VENT
S	STORM (ABOVE GRADE)
S	STORM (BELOW GRADE)
OD	STORM OVERFLOW
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
DHWR	DOMESTIC HOT WATER RECIRCULATION
TW	TEPID WATER
SS	SANITARY SEWER (ABOVE GRADE)
SS	SANITARY SEWER (BELOW GRADE)
COND	CONDENSATE
CA	COMPRESSED AIR
NG	NATURAL GAS
CO	CLEANOUT IN RISER
WCO	CLEANOUT IN WALL
FCO	CLEANOUT IN FLOOR

PLUMBING GENERAL NOTES

1. UNLESS NOTED OTHERWISE, THE CIVIL AND MECHANICAL INTERFACE POINT IS 5 FEET OUTSIDE OF THE BUILDING WALL.
2. COORDINATE ALL PIPE SLEEVE REQUIREMENTS WITH ARCHITECTURAL AND STRUCTURAL.
3. COORDINATE MECHANICAL ROOM FLOOR DRAINS WITH ACTUAL EQUIPMENT LOCATIONS AND DRAINAGE REQUIREMENTS.
4. LEGEND IS GENERAL IN NATURE AND NOT ALL ITEMS SHOWN MAY BE USED ON THIS PROJECT.
5. PER 2021 IPC 704.1, INSTALL SANITARY PIPING 2 1/2"Ø OR LESS WITH 1/4" PER FT (2%) SLOP & PIPING 3"Ø TO 6"Ø WITH 1/8" PER FT (1%) SLOPE DOWNWARD IN DIRECTION OF FLOW. INSTALL VENT PIPING 2"Ø OR LESS WITH 1/4" PER FT (2%) SLOPE & PIPING 2 1/2"Ø OR LARGER WITH 1/8" PER FT (1%) SLOPE DOWNWARD TOWARD FIXTURE OR STACK.
6. ALL FIXTURES SHALL HAVE A P-TRAP INSTALLED.
7. PROVIDE ALL MATERIALS, VALVES, HANGERS, ETC. AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE PLUMBING SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND AS REQUIRED BY CODE.
8. INSTALL ALL PLUMBING FIXTURES, EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, CONTRACT DOCUMENTS, AND APPLICABLE CODES AND REGULATIONS.
9. COORDINATE CONSTRUCTION OF ALL PLUMBING WORK WITH STRUCTURAL, CIVIL, ELECTRICAL WORK ETC., SHOWN ON OTHER CONTRACT DOCUMENT DRAWINGS.
10. MAINTAIN A MINIMUM OF 6' - 8" CLEARANCE TO UNDERSIDE OF PIPES, CONDUITS, ETC., THROUGHOUT ACCESS ROUTES AND IN MECHANICAL ROOMS.
11. LOCATE ALL PLUMBING EQUIPMENT FOR UNOBSTRUCTED ACCESS TO UNIT ACCESS PANELS, CONTROLS, AND VALVING.
12. VERIFY DIMENSIONS AND CONNECTION SIZE WITH FURNISHED EQUIPMENT.
13. ALL ELEVATIONS ARE ABOVE FINISHED FLOOR TO BOTTOM OF PIPE UNLESS NOTED OTHERWISE.

GEORGIA REGISTERED No. 044771 PROFESSIONAL ENGINEER ANTHONY DERRICK ALLGOOD
01/21/2026

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

DESIGN BY: L.LEIBKUCHLER
DRAWN BY: L.LEIBKUCHLER
CHECKED BY: G. FAUST
SUBMITTED BY: A. ALLGOOD
SIZE: ANSI D
ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-01
FILE NAME: 18968 143139_M_Central

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

PLUMBING NOTES, LEGEND, SYMBOLS & ABBREVIATIONS

SHEET ID
P-001

READY TO ADVERTISE (RTA)

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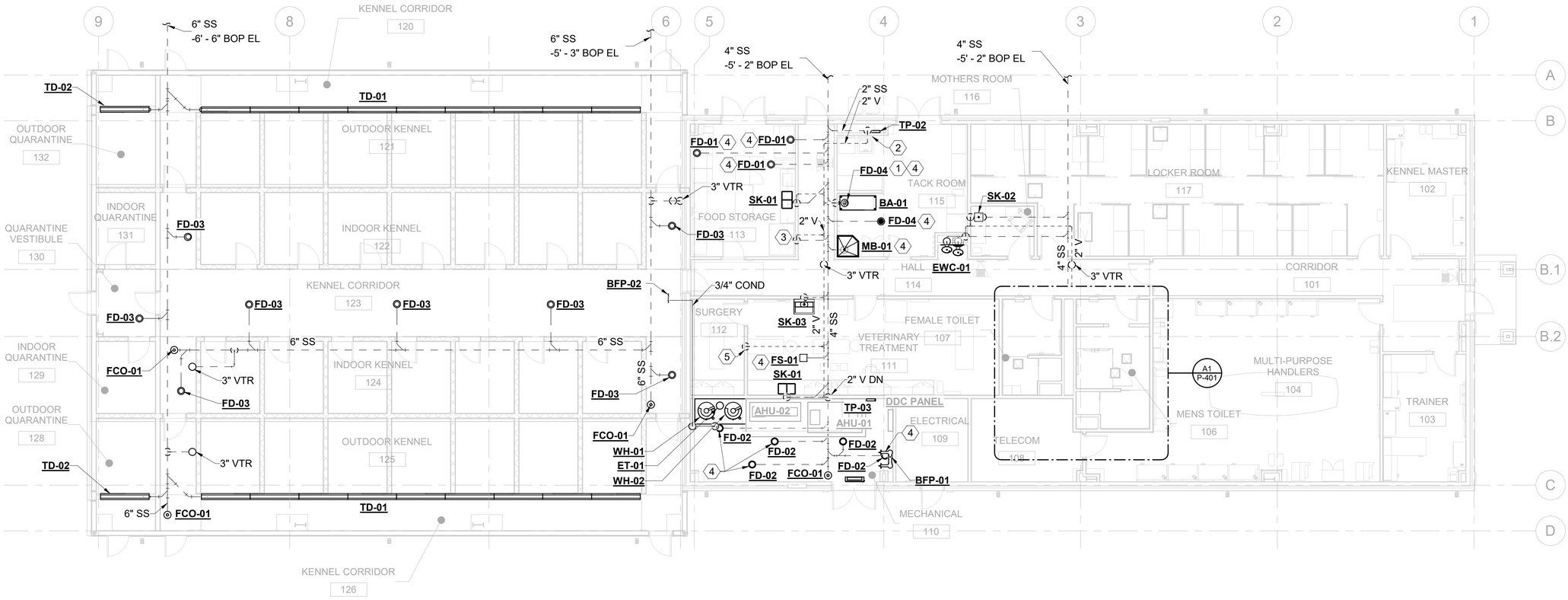
GENERAL NOTES:

1. PIPING TO PLUMBING FIXTURES IS EQUAL TO FIXTURE CONNECTION SIZE. SEE PLUMBING SCHEDULES FOR MORE INFORMATION.

SHEET KEYNOTES:

1. SEE ANIMAL BATH DRAINAGE DETAIL FOR MORE INFORMATION.
2. ROUTE SS AND VENT PIPING INSIDE CHASE TO WASHING MACHINE (BY OTHERS).
3. ROUTE 1-1/4" SS AND 1-1/2" VENT PIPING TO DISH WASHER (BY OTHERS).
4. CONTRACTOR SHALL FIELD ROUTE 1/2" DCW PIPING FROM TRAP PRIMER TO FLOOR DRAIN.
5. ROUTE 1-1/2" SS DRAIN PIPING AND 1-1/2" V PIPING TO TUB TABLE (BY OTHERS).



A1 MWD KENNEL - SS & VENT PLAN

1/8" = 1'-0"

PLAN NORTH

0 4' 8' 16'

GEORGIA REGISTERED No. 044771 PROFESSIONAL ENGINEER ANTHONY DERRICK ALLGOOD

01/21/2026

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

DESIGN BY: LLEIBKUCHLER
DRAWN BY: LLEIBKUCHLER
CHECKED BY: G. FAUST
SUBMITTED BY: A. ALLGOOD
SIZE: ANSI D
ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-01
FILE NAME: 189618_143139_M_Central

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
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BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

MWD KENNEL - SS & VENT PLAN

SHEET ID
P-101

READY TO ADVERTISE (RTA)

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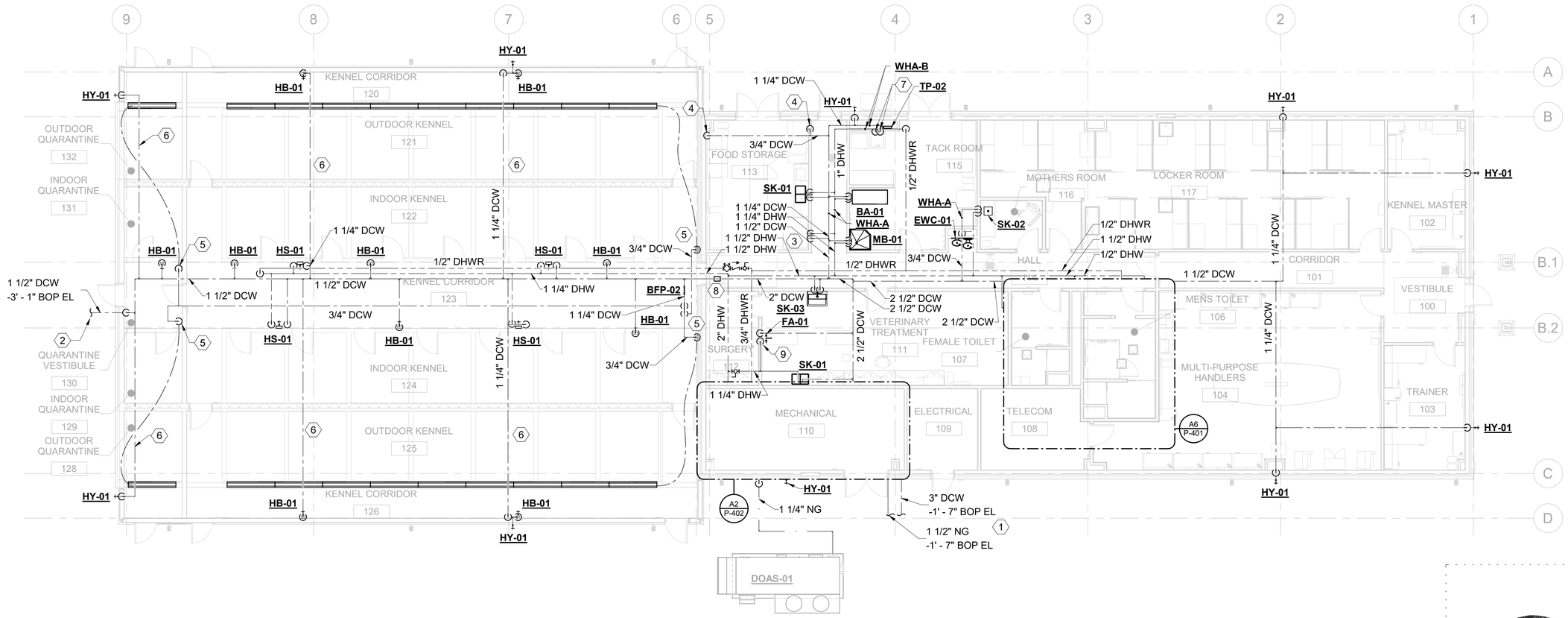
GENERAL NOTES:

1. PIPING TO PLUMBING FIXTURES IS EQUAL TO FIXTURE CONNECTION SIZE. SEE PLUMBING SCHEDULES FOR MORE INFORMATION.

SHEET KEYNOTES:

1. 3" DCW AND 1-1/2" NG FROM SITE. SEE CIVIL DOCUMENTS FOR FURTHER INFORMATION.
2. 1-1/2" DCW TO SITE. SEE CIVIL DOCUMENTS FOR FURTHER INFORMATION.
3. ROUTE 3/4" DCW AND 3/4" DHW TO DISHWASHER.
4. 1/2" DCW TO ICE MACHINE(S).
5. TRENCH DRAIN WASH DOWN VALVE.
6. HEAT TRACE ALL DCW PIPING IN OUTDOOR KENNEL AREA.
7. ROUTE 1" DHW AND 1" DCW DOWN INSIDE CHASE TO WASHING MACHINE.
8. KENNEL DCW WATER METER.
9. ROUTE 1/2" DCW AND 1/2" DHW PIPING TO TUB TABLE FAUCET (FA-01).



A1 MWD KENNEL - PLUMBING PLAN
1/8" = 1'-0"

PLAN NORTH

0 4' 8' 16'

GEORGIA REGISTERED No. 044771 PROFESSIONAL ENGINEER ANTHONY DERRICK ALLGOOD
01/21/2026

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-01
FILE NAME: 18_143139_M_Central

DESIGN BY: LLEIBKUCHLER
DRAWN BY: LLEIBKUCHLER
CHECKED BY: G. FAUST
SUBMITTED BY: A. GOOD
SIZE: ANSI D

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

MWD KENNEL - PLUMBING PLAN

SHEET ID
P-102

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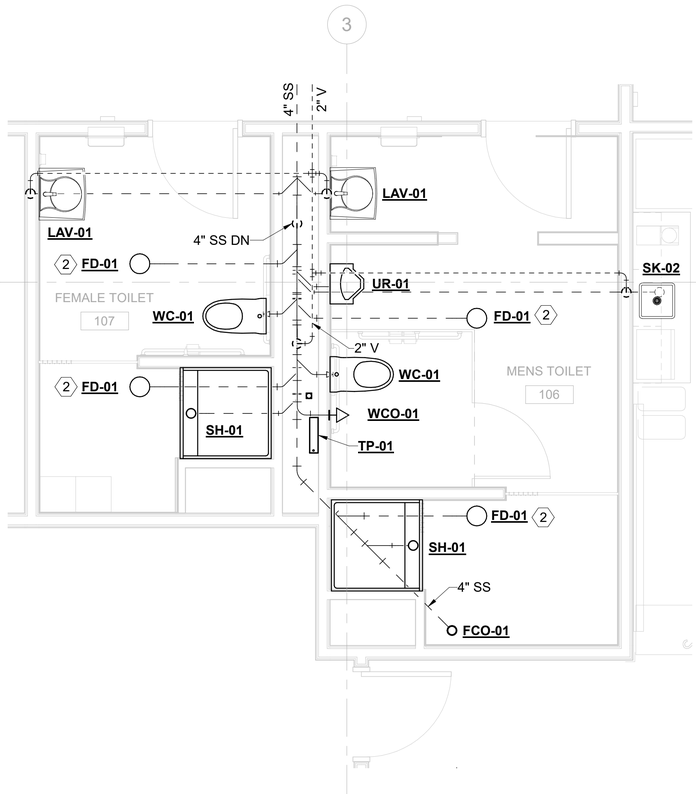
GENERAL NOTES:

1. PIPING TO PLUMBING FIXTURES IS EQUAL TO FIXTURE CONNECTION SIZE. SEE PLUMBING SCHEDULES FOR MORE INFORMATION.

SHEET KEYNOTES:

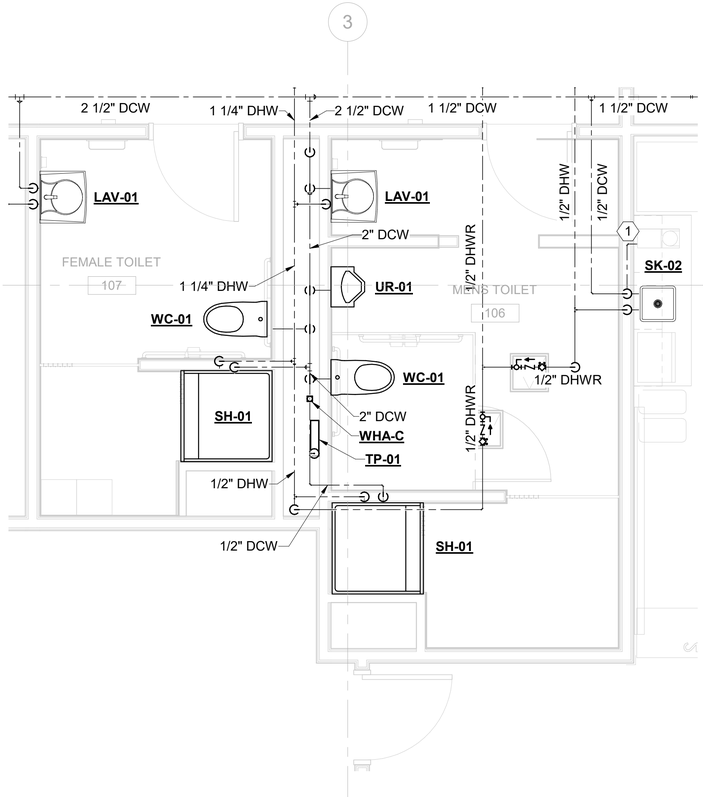
1. ROUTE 1/2" DCW TO COFFEE MACHINE.
2. CONTRACTOR SHALL FIELD ROUTE 1/2" DCW PIPING FROM TRAP PRIMER TO FLOOR DRAIN.



A1 ENLARGED PLUMBING PLAN - SS & VENT - RESTROOMS
3/8" = 1'-0"

PLAN NORTH

0 2' 4' 6'



A6 ENLARGED PLUMBING PLAN - DOMESTIC - RESTROOMS
3/8" = 1'-0"

PLAN NORTH

0 2' 4' 6'

GEORGIA REGISTERED No. 044771 PROFESSIONAL ENGINEER ANTHONY DERRICK ALLGOOD

01/21/2026

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MARK	DESCRIPTION	DATE

DESIGN BY:	L.LEIBKUCHLER
DRAWN BY:	L.LEIBKUCHLER
CHECKED BY:	G. FAUST
SUBMITTED BY:	A. ALLGOOD
SIZE:	FILE NAME: 189818_143139_M_Central
ANSI D	

ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-01

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PLUMBING ENLARGEMENTS - RESTROOMS

SHEET ID
P-401

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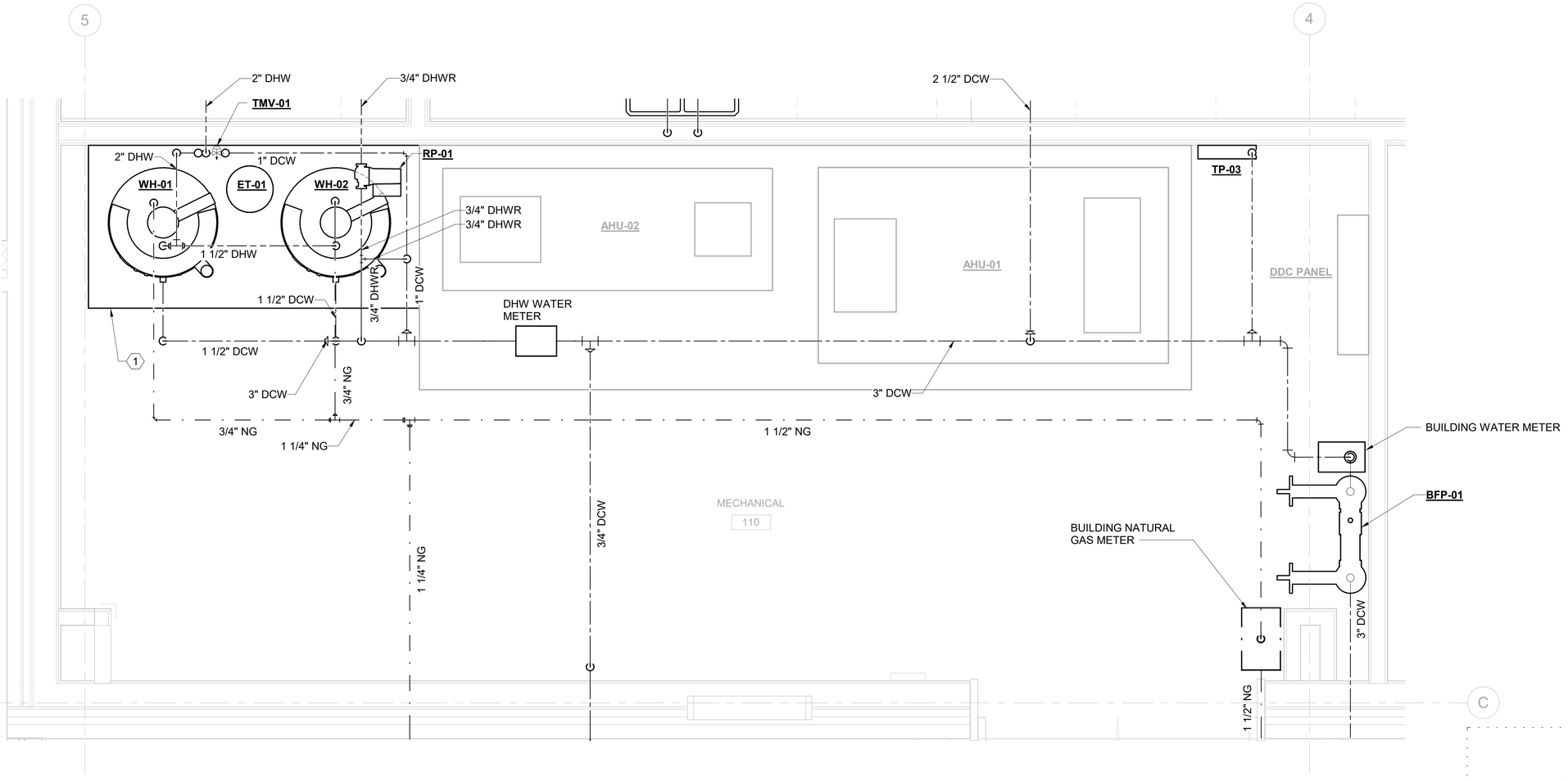
SHEET KEYNOTES:

1. PROVIDE 4" CONCRETE EQUIPMENT PAD. SEE STRUCTURAL DOCUMENTS FOR MORE INFORMATION.



A2 ENLARGED PLUMBING PLAN - DOMESTIC - MECHANICAL ROOM

3/4" = 1'-0"

PLAN NORTH

0 1' 2' 3'

GEORGIA REGISTERED No. 044771 PROFESSIONAL ENGINEER ANTHONY DERRICK ALLGOOD

01/21/2026

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MARK	DESCRIPTION	DATE

DESIGN BY: LLEIBKUCHLER
DRAWN BY: LLEIBKUCHLER
CHECKED BY: G. FAUST
SUBMITTED BY: A. ALLGOOD
SIZE: ANSI D
ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-101
FILE NAME: 18968 143139_M_Central

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PLUMBING ENLARGEMENTS - MECHANICAL ROOM

SHEET ID
P-402

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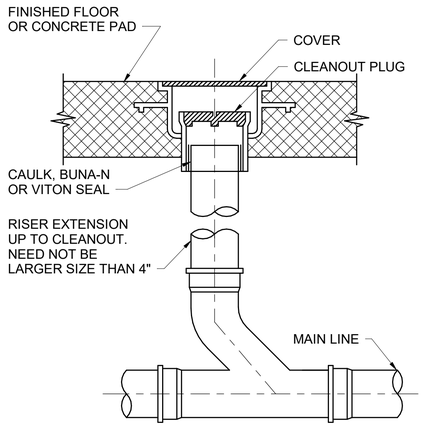
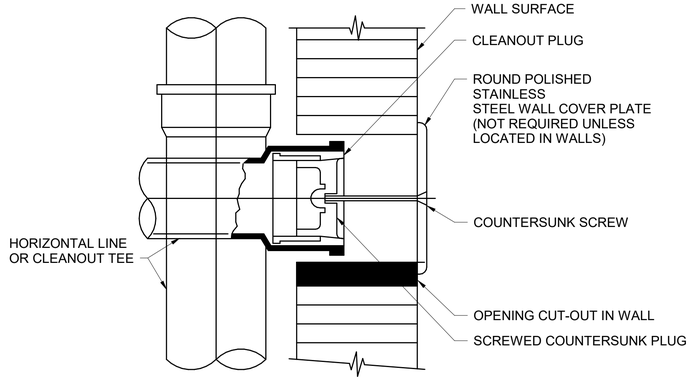
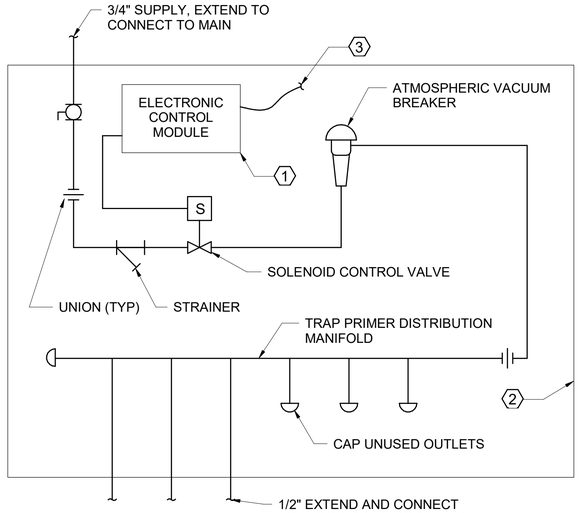


E1 FLOOR CLEANOUT
NTS



E3 WALL CLEANOUT
NTS

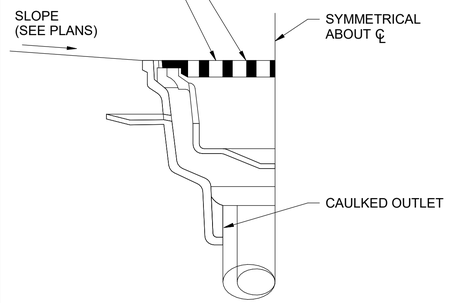


NOTES:
1. INSTALL TRAP PRIMER ASSEMBLY A MINIMUM OF 12" ABOVE FLOOR RIM ELEVATION OF HIGHEST DRAIN CONNECTED.
2. EACH OUTLET SHALL BE CONNECTED ONLY TO ONE FLOOR DRAIN OR FLOOR SINK.
3. TRAP PRIMER DISTRIBUTION PIPING SHALL BE BUBBLE TIGHT AND SEALED.

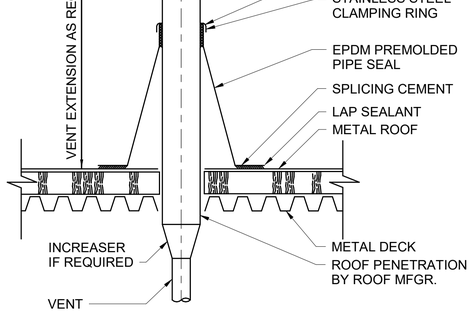
KEYED NOTES:

1. PROGRAM CONTROL MODULE TO OPEN SOLENOID CONTROL VALVE AT MANUFACTURER'S RECOMMENDED FREQUENCY AND DURATION.
2. GALVANIZED WALL BOX AND COVER PROVIDED BY TRAP PRIMER MANUFACTURER.
3. POWER CONNECTION, PROVIDED BY OTHERS.

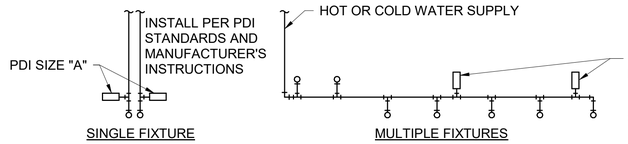
E6 ELECTRONIC TRAP PRIMER
NTS



C1 FLOOR DRAIN
NTS



C3 VENT PIPE FLASHING
NTS



IF HORIZONTAL BRANCH IS LESS THAN 20' LONG, PROVIDE ONE WHA AT END OF LINE. IF BRANCH IS GREATER THAN 20' LONG, PROVIDE ANOTHER WHA IN MIDDLE, EACH SIZED FOR HALF THE FIXTURE UNITS.

PDI SIZE	PIPE SIZE	FIXTURE UNIT LOAD
A	1/2"	1-11
B	3/4"	12-32
C	1"	33-60
D	1-1/4"	61-113
E	1-1/2"	114-154
F	2"	154-330

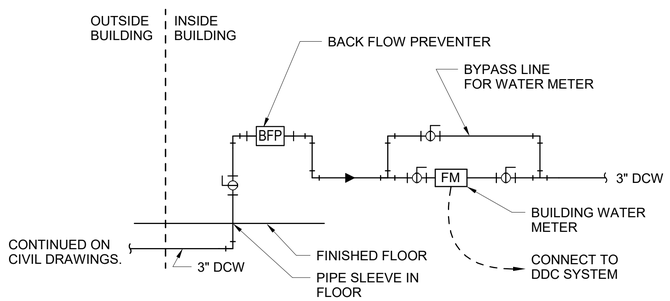
FIXTURE UNIT TABULATION		
FIXTURE	COLD	HOT
WATER CLOSET	10	--
URINAL	5	--
SINK	1.5	1.5
LAVATORY	0.75	0.75
JANITOR'S SINK	2.25	2.25
SHOWER	1.5	1.5

NOTE:

PROVIDE WATER HAMMER ARRESTORS. INSTALL IN HORIZONTAL OR VERTICAL POSITION, BUT NEVER UPSIDE DOWN. INSTALL IN LINE WITH WATER FLOW DIRECTION IF POSSIBLE. SIZE THE UNITS AS SHOWN ON THE DRAWINGS AND/OR PER THE TABLES SHOWN.

A6 WATER HAMMER ARRESTOR
NTS

NOTES:
1. CONTRACTOR TO INSTALL LOW POINT DRAIN(S) AS REQUIRED TO PERMIT DRAINAGE.



A1 DOMESTIC WATER SERVICE ENTRANCE
SCALE:NTS

GEORGIA REGISTERED No. 044771 PROFESSIONAL ENGINEER ANTHONY DERRICK ALLGOOD
01/21/2026

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-01
FILE NAME: 1896.18 143139_M_Central

DESIGN BY: LLEIBKUCHLER
DRAWN BY: LLEIBKUCHLER
CHECKED BY: G. FAUST
SUBMITTED BY: A. ALLGOOD
SIZE: ANSI D

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100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

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PLUMBING DETAILS

SHEET ID
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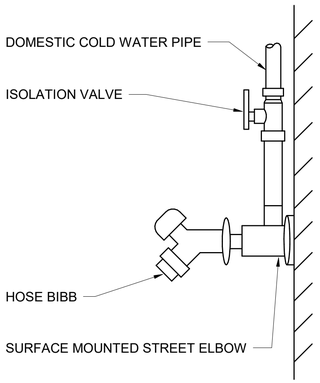
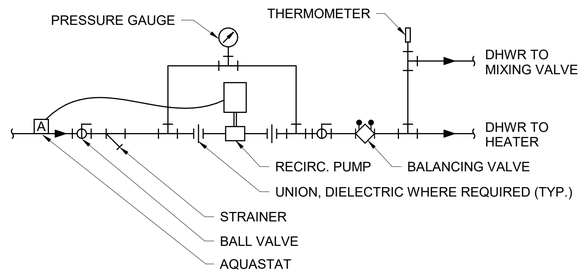
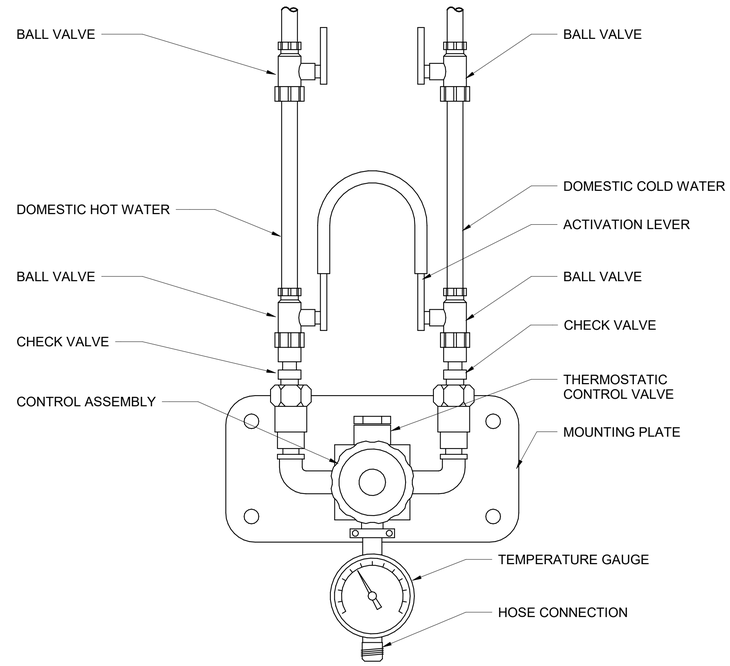


NOTES:
1. INSULATE ALL DOMESTIC COLD WATER PIPING IN ACCORDANCE WITH SPECIFICATIONS.

E1 KENNEL HOSE BIBB - COLD
NTS

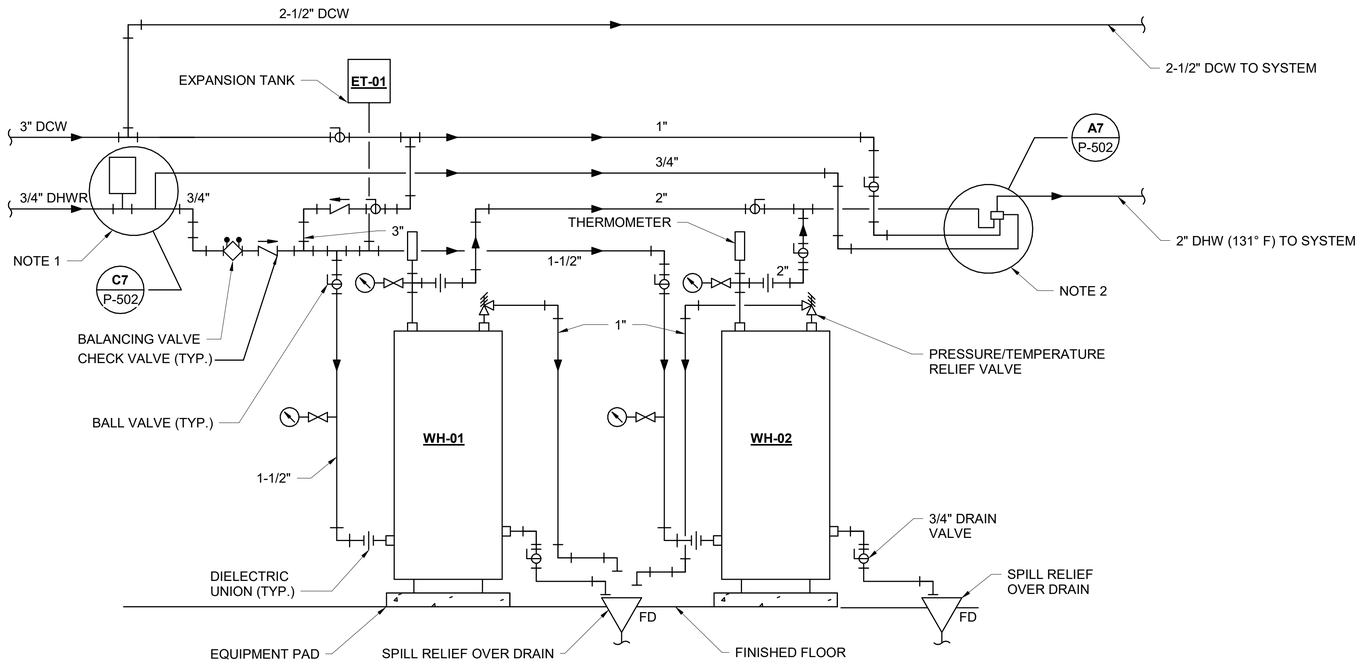


E3 RECIRCULATION PUMP DETAIL
NTS



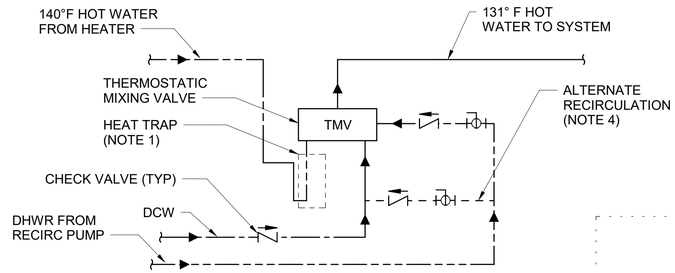
NOTES:
1. INSULATE ALL DOMESTIC COLD AND HOT WATER PIPING IN ACCORDANCE WITH SPECIFICATIONS.

C7 KENNEL WALL FAUCET - HOT AND COLD
NTS



NOTES:
1. SEE DETAIL C7 ON THIS SHEET FOR RECIRCULATION PUMP PIPING ARRANGEMENT AND ADDITIONAL VALVES REQUIRED.
2. SEE DETAIL A7 ON THIS SHEET FOR THERMOSTATIC MIXING VALVE PIPING ARRANGEMENT AND ADDITIONAL VALVES REQUIRED.

A1 DUAL GAS WATER HEATERS
NTS



NOTES:
1. HEAT TRAP DROP SHALL BE AS RECOMMENDED BY THE MANUFACTURER OR 28", WHICHEVER IS GREATER.
2. COORDINATE THIS DETAIL WITH DUAL GAS WATER HEATERS DETAIL ON THIS SHEET.
3. THE CONFIGURATION AND LOCATION OF VALVES VARIES PER MIXING VALVE VENDOR, CONTRACTOR SHALL INSTALL THE MIXING VALVE RECIRCULATION PIPING AND MIXING VALVE PIPING IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.
4. CONTRACTOR MAY UTILIZE ALTERNATIVE RECIRCULATION PIPING CONFIGURATION IF PERMITTED BY TMV MANUFACTURER.

A7 THERMOSTATIC MIXING VALVE DETAIL
NTS

GEORGIA REGISTERED No. 044771 PROFESSIONAL ENGINEER ANTHONY DERRICK ALLGOOD
01/21/2026

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

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L.LEIBKUCHLER	W912HN-26-B-A003
CHECKED BY:	CONTRACT NO.:
G. FAUST	
SUBMITTED BY:	CATEGORY CODE:
A. ALLGOOD	141-001-01
SIZE:	FILE NAME:
ANSI D	189618_143139_M_Central

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SAVANNAH, GA 31401-3640

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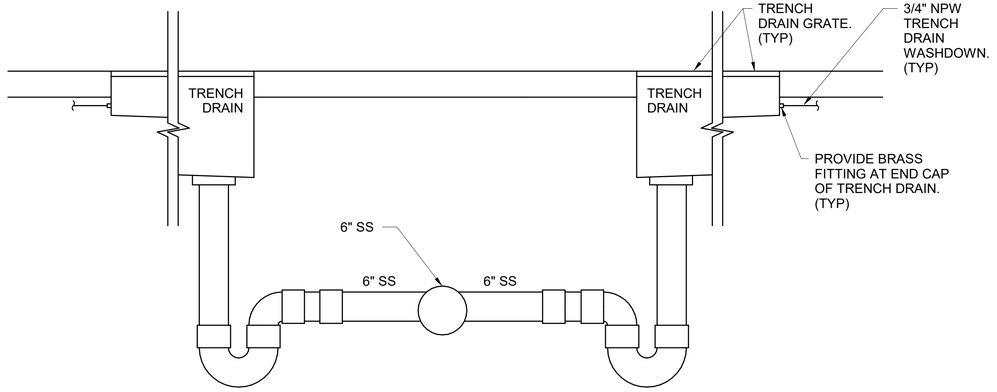
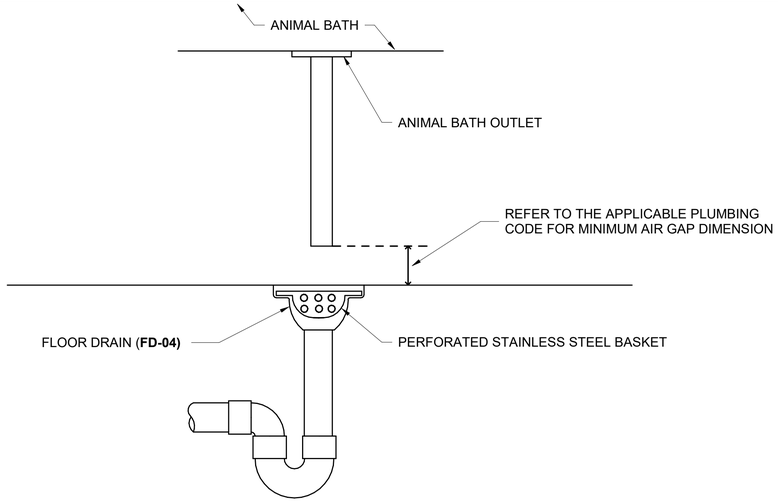


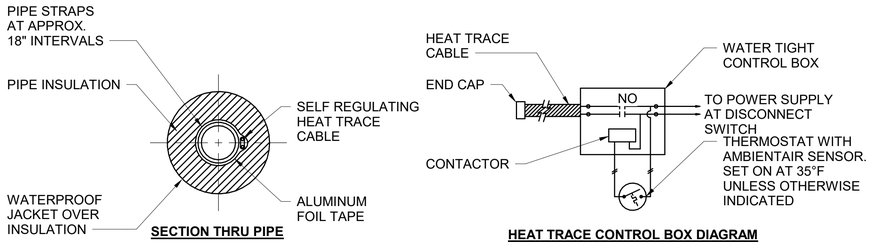
E1 TRENCH DRAIN DETAIL

NTS



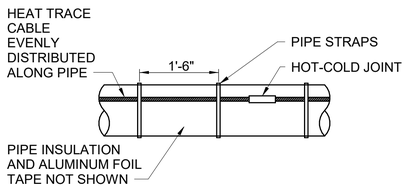
E6 ANIMAL BATH DRAINAGE DETAIL

NTS

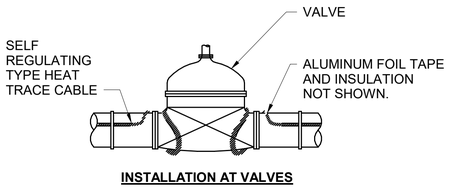


SECTION THRU PIPE

HEAT TRACE CONTROL BOX DIAGRAM



INSTALLATION DETAIL



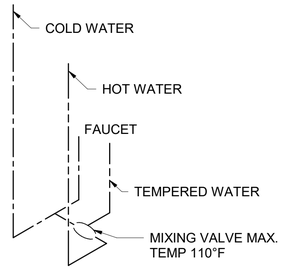
INSTALLATION AT VALVES

NOTES:

1. PROVIDE WEATHER RESISTANT LABELING ON EXTERIOR OF JACKET IDENTIFYING PIPES AS BEING "ELECTRIC TRACED" WITH VOLTAGE INDICATED.

A1 HEAT TRACING

SCALE:NTS



NOTES:

1. PROVIDE ASSE 1070 TYPE THERMOSTATIC MIXING VALVE FOR EACH FIXTURE USING DOMESTIC HOT WATER.
2. DOMESTIC HOT WATER TO EACH FIXTURE SHALL BE 110°F.

A6 TYPICAL FIXTURE MIXING VALVE

NTS

GEORGIA REGISTERED No. 044771 PROFESSIONAL ENGINEER ANTHONY DERRICK ALLGOOD

01/21/2026

US Army Corps of Engineers ®

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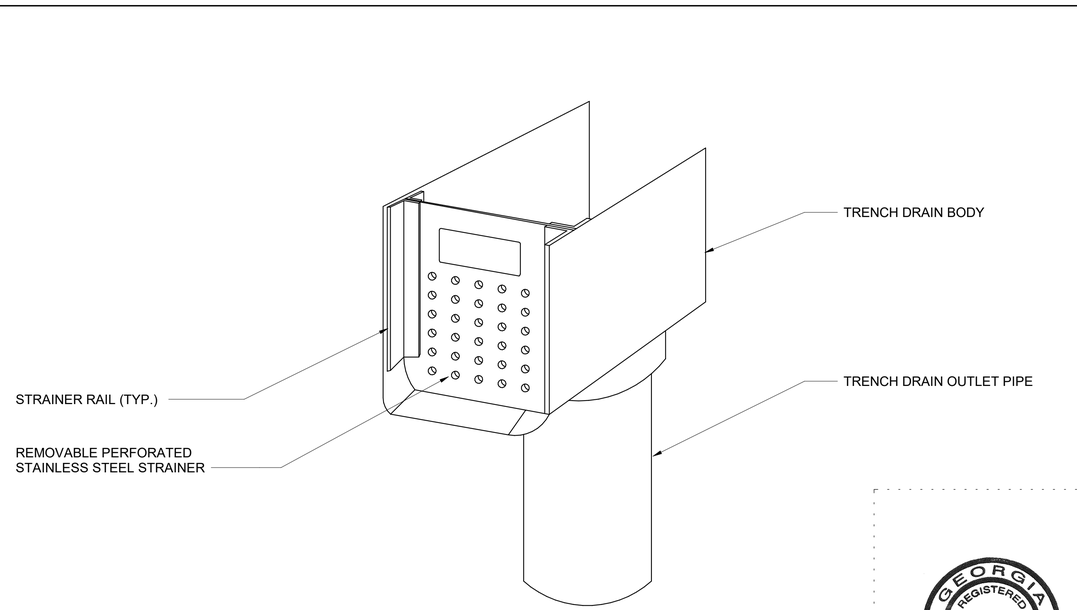

A6 TRENCH DRAIN STRAINER DETAIL
NTS

GEORGIA REGISTERED No. 044771 PROFESSIONAL ENGINEER ANTHONY DERRICK ALLGOOD
01/21/2026

US Army Corps of Engineers ®

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A.ALLGOOD	141-001-01
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ANSI D	

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100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

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PLUMBING FIXTURE SCHEDULE

TAG	DESCRIPTION	FIXTURE		FITTING	TRAP	CARRIER	REMARKS	MOUNTING HEIGHT	TMV TYPE*	PIPING CONNECTIONS			
		TYPE	SIZE (IN)	TYPE						DCW (IN)	DHW (IN)	WASTE (IN)	VENT (IN)
BA-01	ANIMAL BATH	WALK-IN ANIMAL BATH, 16 GAUGE 304 STAINLESS STEEL, FULLY WELDED, TELESCOPING FULL EXTENSION RAMP WITH NON-SLIP RUBBER PADDING, SLIDING FRONT DOOR	60L x 24 1/2W x 57H (BACK) 36 3/4H (FRONT) x 15	WALL MOUNT, POLISHED CHROME FINISH, SPRAYER	SEE DETAILS FOR FUTHER INFORMATION	N/A	SEE DETAILS FOR FURTHER INFORMATION		-	1/2	1/2	1 1/2	-
EWC-01	ELECTRIC WATER COOLER	ADA COMPLIANT, MECHANICALLY ACTIVATED OVAL SHAPED DOUBLE BUBBLER, STAINLESS STEEL FINISH, FILTERED 8 GPH CHILLING CAPACITY, FLUSH WALL MOUNT, SENSOR ACTIVATED BOTTLE FILLING STATION WITH VISUAL FILTER MONITOR, BOTTLE FILL COUNTER AND LAMINAR FLOW	38 1/2 x 19 x 55 1/16 (DIMENSIONS FOR ENTIRE ASSEMBLY)	N/A	P-TRAP	WALL CARRIER	PROVIDE WITH OPTIONAL INWALL MOUNTING FRAME/PLATE, FILTER RATED FOR 3000 GALLONS, SILVER ION ANTIMICROBRIAL PROTECTION ON PLASTIC COMPONENTS	ADA BOWL RIM AT 34" AFF, NON-ADA BOWL AT 40" AFF	-	3/8	-	1 1/4	1 1/4
FA-01	TUB TABLE FAUCET	DECK MOUNTED FAUCET, POLISHED CHROME FINISH WITH ADJUSTIBLE 8" GOOSENECK SPOUT AND LEVER HANDLES. 1.5 GPM	N/A	DECK MOUNTED, HEAVY DUTY PRE-RINSE ASSEMBLY WITH ANGLED SPRAY VALVE WITH FLEXIBLE 44" STAINLESS STEEL HOSE	N/A	N/A	PROVIDE FAUCET, TUB TABLE BY OTHERS	TUB TABLE SURFACE	TMV-03	1/2	1/2	-	-
HB-01	HOSE BIBB	FOR INTERIOR COLD WATER SUPPLY	N/A	SURFACE MOUNT, POLISHED CHROME FINISH, NYLON HEAT RESISTANT LEVER HANDLE WITH 360 DEGREE TURN FOR FINE ADJUSTMENT, ANTI-SIPHON VACUUM BREAKER, 3/4" GARDEN HOSE OUTLET CONNECTION	N/A	N/A	SEE DETAILS FOR FURTHER INFORMATION	48" AFF UNLESS NOTED OTHERWISE	-	3/4	-	-	-
HS-01	HOSE STATION	FOR INTERIOR COLD AND HOT WATER SUPPLY, WALL MOUNTED MANUAL MIXING HOSE STATION WITH 6" CENTERS	N/A	WALL-MOUNT, POLISHED CHROME FINISH, LINEAR THERMOSTATIC ACTUATOR, 1/2" MALE HOSE THREADED OULET	N/A	N/A	SEE DETAILS FOR FURTHER INFORMATION	48" AFF	TMV-02	3/4	3/4	-	-
HY-01	WALL HYDRANT	FOR EXTERIOR COLD WATER SUPPLY	N/A	FREEZELESS, ANTI-SIPHON VACUUM BREAKER, 3/4" GARDEN HOSE OUTLET CONNECTION, TEE KEY HANDLE, INTEGRAL DRAIN WITH DRIP EDGE AWAY FROM WALL, CHROME FINISH	N/A	N/A	FITS ONE STANDARD MODULAR BRICK COURSE	48" ABOVE GRADE	-	3/4	-	-	-
LAV-01	LAVATORY	ADA COMPLIANT, WALL MOUNTED WITH SHROUD, WHITE VITREOUS CHINA, OVAL BOWL SHAPE, FLAT TOP SURFACE, OVERFLOW DRAIN, ANTIMICROBRIAL FINISH, SINGLE FAUCET HOLE	14 3/8 x 12 5/16 x 3 1/4 (BOWL DIMENSIONS)	0.35 GPM FLOW RATE, VANDAL RESISTANT AERATOR, SINGLE LEVER HANDLE, SINGLE HOLE INSTALLATION, POLISHED CHROME FINISH	P-TRAP	WALL CARRIER	NONE	ADA BOWL RIM AT 34" AFF	TMV-04	3/8	3/8	1 1/2	1 1/2
MB-01	MOP BASIN	MARBLE CHIPS AND WHITE PORTLAND CEMENT GROUND SMOOTH, GROUTED AND SEALED, 20 GAUGE 302 STAINLESS STEEL CAP	36 x 36 x 12	WALL MOUNTED, 8" CENTERS, QUARTER TURN LEVER HANDLES, ANTI-SIPHON VACUUM BREAKER, 3/4" GARDEN HOSE OUTLET WITH PAIL HOOK AND WALL BRACE, BRASS CONSTRUCTION WITH POLISHED CHROME FINISH	P-TRAP	N/A	PROVIDE WITH STAINLESS STEEL STRAINER AND 3" OUTLET, 6" DROP AT THRESHOLD	FAUCET AT 36" AFF	-	1/2	1/2	3	2
SH-01	SHOWER	ADA COMPLIANT, SOLID SURFACE, BARRIER FREE FRONT, STAINLESS STEEL TRENCH DRAIN COVER, UV RESISTANT, 3-SIDED 1" TILING / WATER RETENTION FLANGE	38 x 38 (36 x 36 CLEAR)	ADA COMPLIANT, 1.5 GPM FLOW, RELIANT3 VALVE TRIM WITH PRESSURE BALANCE CARTRIDGE, 3-FUNCTION HAND SHOWER WITH NON-POSITIVE SHUTOFF, VACUUM BREAKER, 59" METAL HOSE, FLOWISE SHOWERHEAD, 2-WAY DIVERTER VALVE WITH HANDLE, 36" SLIDE BAR, POLSIHED CHROME FINISH	P-TRAP	N/A	PROVIDE WITH ROUND 2" STRAINER OVER OUTLET BENEATH TRENCH DRAIN COVER, PROVIDE FIXTURE WITH FLASH SHOWER ROUGH-IN VALVE MODEL RU101SS	WATER VALVE AT 48" AFF, DIVERTER VALVE AT 60" AFF	TMV-03	1/2	1/2	2	2
SK-01	DOUBLE BASIN SINK	ADA COMPLIANT, DOUBLE COMPARTMENT, UNDERMOUNT INSTALLATION, 18 GAUGE STAINLESS STEEL, OFFSET DRAINS, 10MM RADIUSED CORNERS, SOUND DEADENING PADS AND UNDERCOATING	29 x18 x 6 (OVERALL) 13 x 16 x 6 (EACH BOWL)	ADA COMPLIANT, 1.5 GPM FLOW, STAINLESS STEEL, SINGLE LEVER, SINGLE HOLE MOUNT, 150 DEGREE SWIVEL SPOUT, PULL-DOWN SPRAY WITH ADJUSTABLE SPRAY PATTERN AND PUSH BUTTON ACTIVATION, METAL REINFORCED HOSE WITH STAINLESS STEEL PROTECTOR COIL, INTEGRAL CHECK VALVES	P-TRAP	N/A	NONE	COUNTER SURFACE AT 34" AFF	TMV-05	3/8	3/8	1 1/2	1 1/2
SK-02	SINGLE BASIN SINK	ADA COMPLIANT, SINGLE COMPARTMENT, UNDERMOUNT INSTALLATION, 16 GAUGE STAINLESS STEEL, OFFSET DRAIN, 10MM RADIUSED CORNERS, SOUND DEADENING UNDERCOATING	13 1/4 x 13 1/4 x 9	ADA COMPLIANT, 1.5 GPM FLOW, STAINLESS STEEL, SINGLE LEVER, SINGLE HOLE MOUNT, 150 DEGREE SWIVEL SPOUT	P-TRAP	N/A	NONE	COUNTER SURFACE AT 34" AFF	TMV-05	3/8	3/8	1 1/2	1 1/2
SK-03	SURGEON SCRUB SINK	WALL MOUNTED, 16 GAUGE 304 STAINLESS STEEL, SOUND DEADENING COATING UNDERCOATING, PRE-PIPED	30 x 24 1/2	BRASS CONSTRUCTION, SINGLE HOLE DECK MOUNTED, SENSOR ACTIVATED, WALL PLUG-IN ADAPTER, 2 GPM LAMINAR FLOW CONTROL, ADJUSTABLE TEMPERATURE CONTROL AND MANUAL OVERRIDE, POLISHED CHROME FINISH	P-TRAP	WALL CARRIER	PROVIDE WITH MANUFACTURER'S DRAIN ACCESSORIES, THERMOSTATIC MIXING VALVE, SOAP DISPENSER AND PROGRAMMABLE DIGITAL TIMER	RIM AT 36" AFF	TMV-03	1/2	1/2	1 1/2	1 1/2
UR-01	URINAL	ADA COMPLIANT, WALL MOUNTED, WHITE VITREOUS CHINA, INTEGRAL FLUSHING RIM, VANDAL RESISTANT STRAINER	N/A	3/4" TOP SPUD, 0.125 GPF, POLISHED CHROME FINISH, NON-HOLD OPEN HANDLE, PERMEX SYNTHETIC RUBBER DIAPHRAGM WITH DUAL FILTERED FIXED BYPASS	INTEGRAL	WALL CARRIER	NONE	RIM AT 17" AFF	-	3/4	-	2	1 1/2
WC-01	WATER CLOSET	ADA COMPLIANT, WALL MOUNTED, WHITE VITREOUS CHINA, ELONGATED BOWL, SIPHON JET FLUSHING ACTION	N/A	1 1/2" TOP SPUD, 1.28 GPF, POLISHED CHROME FINISH, NON-HOLD OPEN HANDLE, PERMEX SYNTHETIC RUBBER DIAPHRAGM WITH DUAL FILTERED FIXED BYPASS	INTEGRAL	WALL CARRIER	PROVIDE WITH SOLID PLASTIC, OPEN FRONT SEAT (LESS COVER)	RIM AT 17" AFF	-	1	-	3	2

* REFER TO TMV SCHEDULE ON SHEET P-602

WATER HEATER SCHEDULE (WH)

TAG	TYPE	PRIMARY LOCATION	SERVICE	HEATING SOURCE	INPUT (BTU/HR)	CAPACITY (GAL)	RECOVERY (GAL/HR AT 90°F RISE)	OUTLET TEMPERATURE (°F)	INLET WATER CONNECTION SIZE (IN)	OUTLET WATER CONNECTION SIZE (IN)	VOLTS	PHASE	NOTES
WH-01	STORAGE TANK	110 - MECHANICAL	DHW	NATURAL GAS	150,000	100	198	140	1 1/2	1 1/2	120	1	1, 2, 3, 4, 5
WH-02	STORAGE TANK	110 - MECHANICAL	DHW	NATURAL GAS	150,000	100	198	140	1 1/2	1 1/2	120	1	1, 2, 3, 4, 5

NOTES:
1. PROVIDE WITH FACTORY LOW WATER CUT OFF SWITCH.
2. PROVIDE WITH FACTORY BACNET COMMUNICATION CARD.
3. PROVIDE WITH NATURAL GAS MODULATION.
4. PROVIDE WITH FACTORY ALARM HORN FOR SENSOR FAILURE.
5. PROVIDE WITH FACTORY HANDHOLE CLEANOUT.

GEORGIA REGISTERED No. 044771 PROFESSIONAL ENGINEER ANTHONY DERRICK ALLGOOD

01/21/2026

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

DESIGN BY: LLEIBKUCHLER
DRAWN BY: LLEIBKUCHLER
CHECKED BY: G. FAUST
SUBMITTED BY: A. ALLGOOD
SIZE: ANSI D
ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-101
FILE NAME: 1896.18_143139_M_Central

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FY25, PN 69262

PLUMBING SCHEDULES

SHEET ID
P-601

READY TO ADVERTISE (RTA)

DOMESTIC HOT WATER RECIRCULATION PUMP SCHEDULE (RP)

MARK	LOCATION	TYPE	SERVICE	FLUID TEMPERATURE (°F)	CAPACITY (GPM)	HEAD (FT W.C.)	CONNECTION SIZE (IN)		MOTOR AND ELECTRICAL					WEIGHT (LBS)	NOTES
							SUCTION	DISCHARGE	RPM	HP	TYPE	VOLTS	PHASE		
RP-01	110 - MECHANICAL	ECM	DHW	130	4.6	5.1	3/4	3/4	1614	0.0158	ECM	115	1	7	1

NOTES:
1. WETTED PARTS OF THE PUMP SHALL BE LEAD FREE.

PLUMBING EXPANSION TANK SCHEDULE (ET)

TAG	LOCATION	SYSTEM SERVED	TYPE	MOUNTING	FILL PRESSURE (PSIG)	MIN. TANK VOLUME (GAL)	MIN. ACCEPTANCE VOLUME (GAL)	APPROXIMATE FULL WEIGHT (LBS)
ET-01	110 - MECHANICAL	DOMESTIC WATER	DIAPHRAM	FLOOR	60	3.3	3.3	34

BACKFLOW PREVENTER SCHEDULE (BFP)

TAG	LOCATION	SERVICE	TYPE	SIZE (IN)	CONNECTION TYPE	RATED FLOW RATE (GPM)	DESIGN FLOW RATE (GPM)	PRESSURE DROP (PSIG)	NOTES
BFP-01	110 - MECHANICAL	DCW	REDUCED PRESSURE ZONE	3	FLANGED	325	82	10	1, 2
BFP-02	118 - KENNEL CORRIDOR	DCW	REDUCED PRESSURE ZONE	1 1/4	NPT	35	20	13	-

NOTES:
1. PROVIDE WITH OS&Y GATE VALVES.
2. PROVIDE WITH SCHEDULE 40, 304 STAINLESS STEEL HOUSING.

CLEANOUT SCHEDULE

TAG	DESCRIPTION	COVER
FCO-01	CAST IRON, THREADED BRASS COUNTERSUNK PLUG, SIZE AS REQUIRED BY CODE	ROUND NICKEL BRONZE, SCORIATED
WCO-01	CAST IRON, THREADED BRASS COUNTERSUNK PLUG, SIZE AS REQUIRED BY CODE	STAINLESS STEEL

TRENCH DRAIN SCHEDULE (TD)

TAG	TOTAL LENGTH (IN.)	DESCRIPTION	OUTLET SIZE (IN)	GRATE TYPE	NOTES
TD-01	1463	6" WIDE TRENCH DRAIN ASSEMBLY, BOTTOM OUTLET, PRECAST FIBER REINFORCED POLYMER CONCRETE BODY WITH INTEGRAL ANCHOR SYSTEM, 0.5% SLOPE, INTEGRAL REBAR CLIPS IN BODY	6	REINFORCED 8" SLOTTED STAINLESS STEEL, CLASS E RATED	1
TD-02	163	6" WIDE TRENCH DRAIN ASSEMBLY, BOTTOM OUTLET, PRECAST FIBER REINFORCED POLYMER CONCRETE BODY WITH INTEGRAL ANCHOR SYSTEM, 0.5% SLOPE, INTEGRAL REBAR CLIPS IN BODY	6	REINFORCED 8" SLOTTED STAINLESS STEEL, CLASS E RATED	1

NOTES:
1. PROVIDE WITH REMOVABLE, STAINLESS STEEL, PERFORATED OUTLET STRAINER WITH FINE OPENINGS SUITABLE FOR CATCHING HAIR AND DEBRIS. SEE TRENCH DRAIN STRAINER DETAIL FOR MORE INFORMATION.

TRAP PRIMER SCHEDULE (TP)

TAG	LOCATION	DRAINS OR AREA SERVED	# DRAINS SERVED	TYPE	PIPE SIZE (NPS)	ELECTRICAL		NOTES
						VOLTS	PHASE	
TP-01	106 - MEN TOILET	106 - MEN TOILET, 107 - FEMALE TOILET	4	ELECTRONIC	1/2"	24	1	1,2
TP-02	115 - TACK ROOM	115 - TACK ROOM, 113 - FOOD STORAGE	5	ELECTRONIC	1/2"	24	1	1,2
TP-03	110 - MECHANICAL	110 - MECHANICAL , 111 VETERINARY TREATMENT	5	ELECTRONIC	1/2"	24	1	1,2

NOTES:
1. ANY UNUSED OUTLETS SHALL BE SEALED AIR AND WATER TIGHT.
2. PROVIDE WITH FACTORY INTEGRAL 120V TO 24V TRANSFORMER.

THERMOSTATIC MIXING VALVE SCHEDULE (TMV)

TAG	EQUPMENT SERVED	INLET TEMPERATURE (°F)		OUTLET TEMPERATURE (°F)	CONNECTION SIZE (IN)	MAX OPERATING PRESSURE (PSI)	MINIMUM FLOW (GPM)	PRESSURE DROP (PSI)	NOTES
		HOT WATER	COLD WATER						
TMV-01	WH-01,02	140	55	131	3/4	125	1.5	5 @ 12.5 GPM	ALL
TMV-02	HS-01	131	55	110	3/4	125	1.5	5 @ 12.5 GPM	ALL
TMV-03	FA-01, SH-01, SK-03	131	55	110	1/2	125	0.5	5 @ 4 GPM	ALL
TMV-04	LAV-01	131	55	110	3/8	125	0.25	5 @ 0.5 GPM	ALL
TMV-05	SK-01, SK-02	131	55	110	3/8	125	0.5	5 @ 0.5 GPM	ALL

NOTES:
1. THERMOSTATIC MIXING VALVES SHALL BE LEAD FREE.
2. THERMOSTATIC MIXING VALVE SHALL BE THERMOSTATIC CONTROL TYPE.

DRAIN SCHEDULE (FD/FS)

TAG	DESCRIPTION	OUTLET SIZE (IN)	STRAINER TYPE	NOTES
FD-01	FLOOR DRAIN, ADJUSTABLE, HINGED GRATE, SATIN FINISH, VANDAL PROOF LOCKDOWN	3	6 INCH ROUND, ADJUSTABLE BRONZE STRAINER	1
FD-02	FLOOR DRAIN, COATED CAST IRON BODY, ADJUSTABLE, HEAVY DUTY	4	9 INCH ROUND, COATED CAST IRON	1
FD-03	FLOOR DRAIN, ACID RESISTING EPOXY COATED CAST IRON BODY, ADJUSTABLE COLLAR, HINGED GRATE, VANDAL PROOF LOCKDOWN	6	12 INCH ROUND, POLISHED BRONZE, POLISHED NICKEL BRONZE	1,2,3,4
FD-04	FLOOR DRAIN, ADJUSTABLE, HINGED GRATE, SATIN FINISH, VANDAL PROOF LOCKDOWN	3	8 INCH ROUND, ADJUSTABLE BRONZE STRAINER	1,5
FS-01	FLOOR SINK, 304 STAINLESS STEEL BODY, HINGED GRATE, VANDAL PROOF LOCKDOWN	3	12x12 INCH, 304 STAINLESS STEEL, NON-TILT, LOOSE SET GRATE WITH 1/2" SQUARE OPENINGS, ANTI-SPLASH STAINLESS STEEL INTERIOR DOME STRAINER	1

NOTES:
1. PROVIDE WITH TRAP PRIMER CONNECTION.
2. PROVIDE WITH SLOTTED CAST IRON SEDIMENT BUCKET WITH FINE OPENINGS SUITABLE TO CATCH DEBRIS AND HAIR.
3. PROVIDE DEEP SEAL TRAP.
4. PROVIDE WITH FACTORY TRAP SEAL.
5. PROVIDE WITH PERFORATED STAINLESS STEEL BASKET WITH FINE OPENINGS SUITABLE TO CATCH DEBRIS AND HAIR.

WATER HAMMER ARRESTOR SCHEDULE

TAG	SIZE	SUPPLY FIXTURE UNITS	MATERIAL
WHA-A	1/2"	1 TO 11	COPPER
WHA-B	3/4"	12 TO 32	COPPER
WHA-C	1"	33 TO 60	COPPER

GEORGIA REGISTERED No. 044771 PROFESSIONAL ENGINEER ANTHONY DERRICK ALLGOOD

01/21/2026

US Army Corps of Engineers ®

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DRAWN BY: LLEIBKUCHLER
CHECKED BY: G. FAUST
SUBMITTED BY: A. ALLGOOD
SIZE: ANSI D
ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
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CATEGORY CODE: 141-001-01
FILE NAME: 18968.18_143139_M_Central

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PLUMBING SCHEDULES

SHEET ID
P-602

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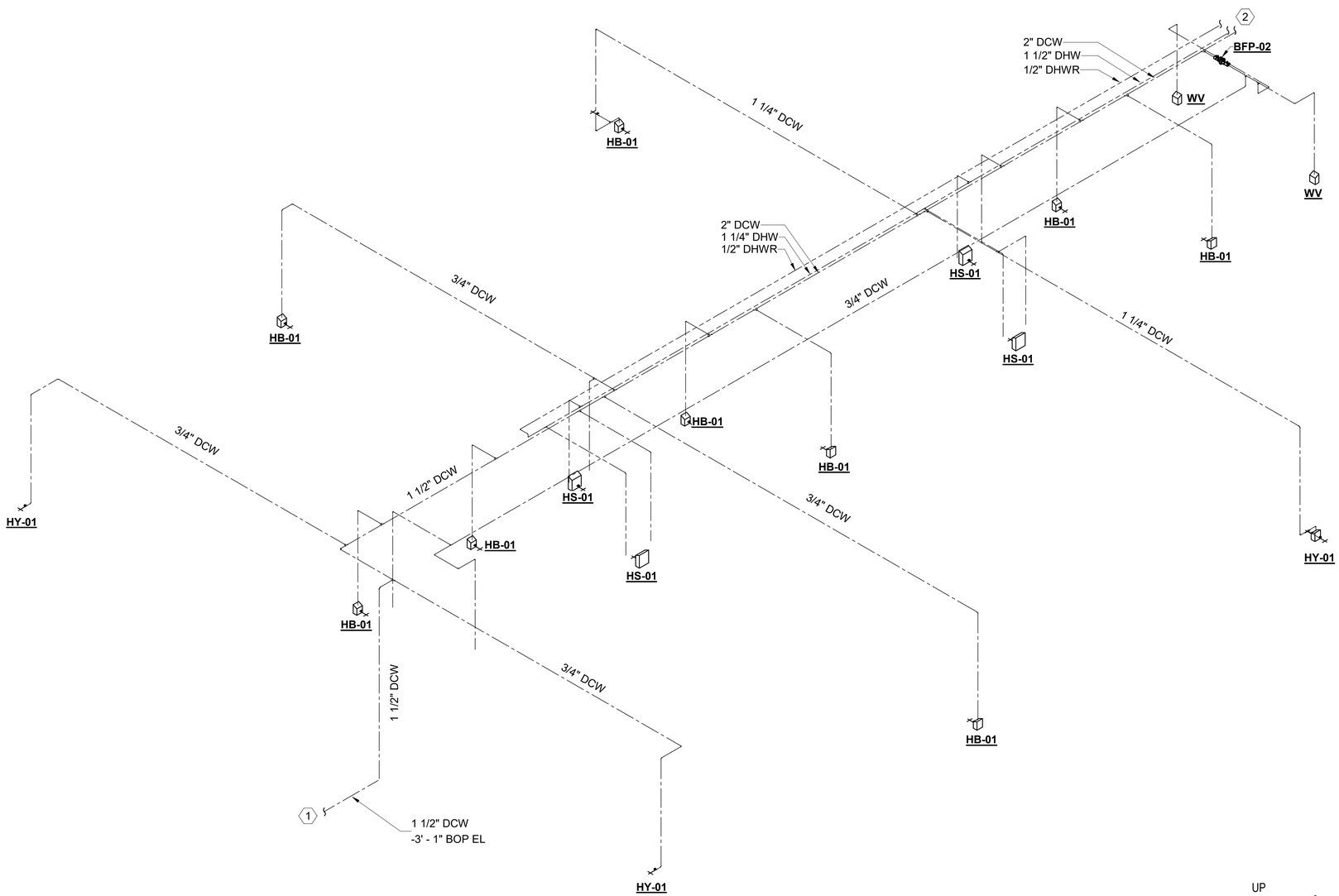

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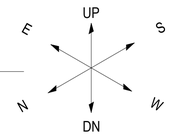

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PLUMBING RISERS

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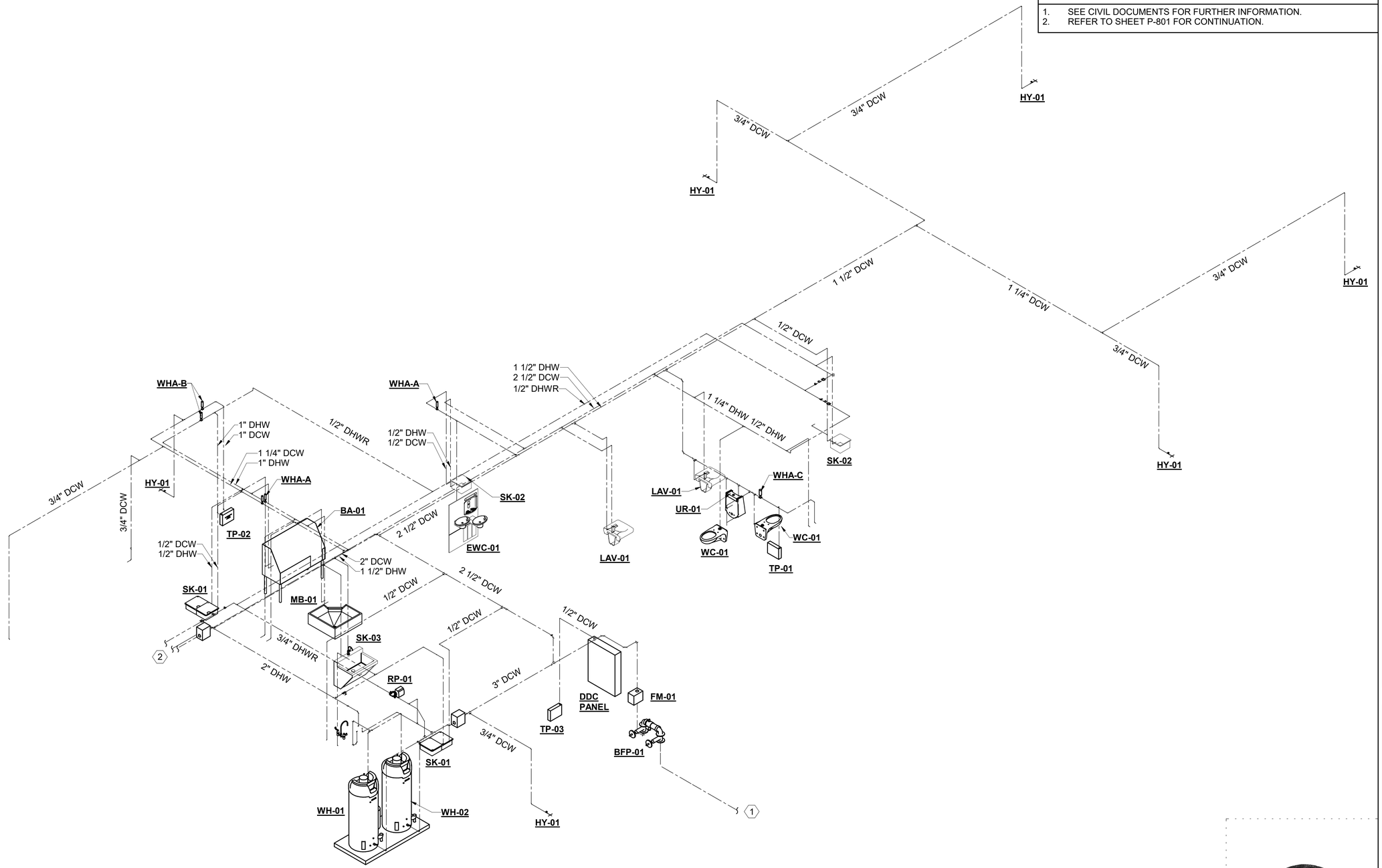

A1 PLUMBING RISER - DOMESTIC - ADMIN

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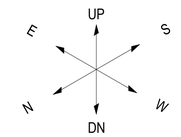

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PLUMBING RISERS

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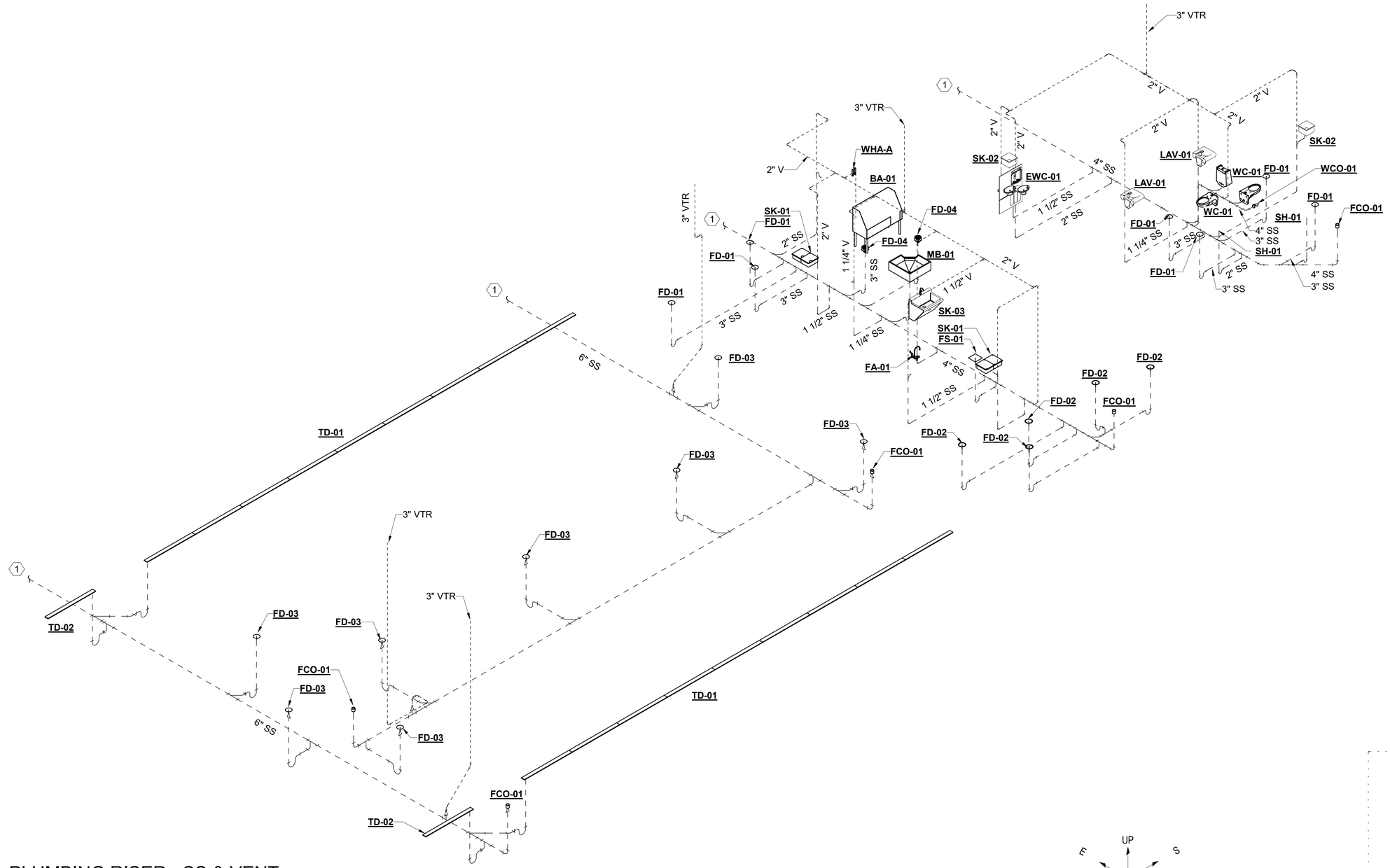

A1 PLUMBING RISER - SS & VENT

SCALE:NTS

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GEORGIA REGISTERED No. 044771 PROFESSIONAL ENGINEER ANTHONY DERRICK ALLGOOD

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PLUMBING RISERS

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HVAC LEGEND

- CONTROL DAMPER, MOTOR OPERATED
- MANUAL BALANCE DAMPER
- BACKDRAFT DAMPER (BD)
- ACCESS DOOR (AD) / ACCESS PANEL (AP) (AD)
- DAMPERS: FIRE (F) - ▲ SMOKE (S) - S FIRE SMOKE (F/S) - ▲S (AD)
- SECURITY BARS (AD)
- FLEXIBLE DUCT CONNECTION
- RECTANGLUAR ELBOW WITH TURNING VANES
- RECTANGULAR TEE WITH TURNING VANES
- RECTANGULAR RADIUS ELBOW
- ROUND & RECTANGULAR DUCT TAKEOFF
- RISE IN RESPECT TO AIR-FLOW (R)
- DROP IN RESPECT TO AIR-FLOW (D)
- SQUARE OR RECTANGULAR TO ROUND TRANSITION
- SUPPLY AIR OR OUTSIDE AIR RECTANGULAR DUCT SECTION
- RETURN AIR RECTANGULAR DUCT SECTION
- EXHAUST AIR RECTANGULAR DUCT SECTION
- SUPPLY AIR OR OUTSIDE AIR ROUND DUCT SECTION
- RETURN AIR ROUND DUCT SECTION
- EXHAUST AIR ROUND DUCT SECTION
- SQUARE OR RECTANGULAR SUPPLY DIFFUSER
- RETURN AIR DIFFUSER
- EXHAUST AIR DIFFUSER
- THERMOSTAT (T)
- HUMIDISTAT (H)
- CARBON DIOXIDE SENSOR (CO2)
- NATURAL GAS SHUTDOWN SWITCH (NGSS)
- MOTOR (M)
- OCCUPANCY SENSOR (OCC)
- EMERGENCY SHUT-OFF SWITCH (ESS)
- FAN CONTROL PANEL (FCP)
- STATIC PRESSURE SENSOR (S)
- DIFFERENTIAL PRESSURE SENSOR (DP)
- BREATHING AIR DROP (BA)
- LINEAR SLOT DIFFUSER
- VAV- VARIABLE AIR VOLUME TERMINAL BOX
- (3'-0") FINNED TUBE RADIATION. LENGTH OF ELEMENT SHOWN IN PARENTHESIS
- AIRFLOW ARROW

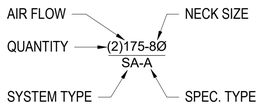
PIPE LINE ACCESSORIES

- GATE VALVE
- OS&Y OUTSIDE SCREW & YOKE VALVE
- BUTTERFLY VALVE
- CHECK VALVE
- 2-WAY VALVE
- 3-WAY VALVE
- BALL VALVE
- BALANCING VALVE / CIRCUIT SETTER
- RELIEF, SAFETY OR THERMAL RELIEF VALVE
- MOTORIZED CONTROL VALVE
- HOSE GATE DRAIN VALVE
- GLOBE VALVE
- PLUG VALVE
- SRC SPRING RETURN CLOSED BALL VALVE
- ANGLE VALVE
- SELF CONTAINED PRESSURE REDUCING (REGULATING) VALVE
- AV AUTOMATIC AIR VENT ASSEMBLY
- MV MANUAL AIR VENT ASSEMBLY - SEE SPECIFICATIONS FOR APPROPRIATE VALVE TYPE
- FLEX CONNECTION
- PUMP
- THERMOMETER
- BFP BACKFLOW PREVENTION ASSEMBLY
- SUCTION DIFFUSER
- PRESSURE GUAGE
- Y-TYPE STRAINER
- REMOVABLE CAP
- REMOVABLE PLUG
- REDUCER (CONCENTRIC)
- UNION
- BLIND FLANGE
- TEST CONNECTION
- M METER
- FM FLOW METER
- S STRAINER
- IF INSULATING FLANGE
- PIPE WITH HEAT TRACE
- FLOW ARROW

MECHANICAL ABBREVIATIONS

12"Ø	ROUND DUCT DIMENSION
24x12	RECTANGULAR DUCT DIMENSION (INCHES)
ACU	AIR CONDITIONING UNIT
AFF	ABOVE FINISHED FLOOR
AFMS	AIR FLOW MEASURING STATION
AHU	AIR HANDLING UNIT
ARF	ABOVE RAISED FLOOR
AS	AIR SEPARATOR
BBO	BOILER BLOW-OFF
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
BP	BOOSTER PUMP
BS	BRANCH SELECTOR (VRF SYSTEM)
CF	CEILING FAN
CFM	CUBIC FEET PER MINUTE
CHR	CHILLED WATER RETURN
CHS	CHILLED WATER SUPPLY
CL	CENTER LINE OF PIPE ELEVATION
CONC	CONCENTRIC
COND	COOLING COIL CONDENSATE DRAIN
CRAC	COMPUTER ROOM AIR CONDITIONER
CU	CONDENSING UNIT
CUH	CABINET UNIT HEATER
DB	DRY BULB
DH	DEHUMIDIFIER
DN	DOWN
DRG	DIFFUSER, REGISTER, GRILLE
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EF	EXHAUST FAN
EG	EXHAUST GRILLE
EL	ELEVATION
ELL	ELBOW
EMCS	ENERGY MANAGEMENT CONTROL SYSTEM
ER	EXHAUST REGISTER
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
EWT	ENTERING WATER TEMPERATURE
EXIST	EXISTING
FCU	FAN COIL UNIT
FD	FEEDWATER
FF	FLAT FACED
FO	FLAT OVAL
FOB	FLAT ON BOTTOM
FOT	FLAT ON TOP
HWB	HEATING HOT WATER BOILER
HWP	HEATING HOT WATER PUMP
HWR	HEATING HOT WATER RETURN
HWS	HEATING HOT WATER SUPPLY
I.E.	INVERT ELEVATION
IA	INSTRUMENT AIR
IH	INFRARED HEATER
IN. W.C	INCHES WATER COLUMN
L	LOUVER
LAT	LEAVING AIR TEMPERATURE
LR	LONG RADIUS
LWT	LEAVING WATER TEMPERATURE
MA	MIXED AIR
MAT	MIXED AIR TEMPERATURE
MAU	MAKEUP AIR UNIT
MFR	MANUFACTURER
MJ	MECHANICAL JOINT
MW	MAKE-UP WATER (AFTER BACKFLOW PREVENTER)
NC	NORMALLY CLOSED (FAIL POSITION)
NG	NATURAL GAS
NO	NORMALLY OPEN (FAIL POSITION)
OA	OUTSIDE AIR
OB	OPPOSED BLADE
OD	OVERFLOW DRAIN
PB	PARALLEL BLADE
PCW	PROCESS COLD WATER
PFX	PLATE AND FRAME HEAT EXCHANGER
PSIA	POUNDS PER SQUARE INCH ABSOLUTE
PSIG	POUNDS PER SQUARE INCH GAUGE
QFPE	QUALIFIED FIRE PROTECTION ENGINEER
RA	RETURN AIR
RED	REDUCER-REDUCING
RG	REFRIGERANT HOT GAS DISCHARGE
RL	REFRIGERANT LIQUID
RMJ	RESTRAINED MECHANICAL JOINT
RS	REFRIGERANT SUCTION
SA	SUPPLY AIR
SCH	SCHEDULE
SCR	SILICON CONTROLLED RECTIFIER
SHR	SHORT RADIUS
SP	STATIC PRESSURE SENSOR
SR	SUPPLY REGISTER
ST	STEAM TRAP
STM	STEAM
SW	SOCKET WELD
TA	TRANSFER AIR
TOA	TREATED OUTSIDE AIR
TOC	TOP OF CONCRETE
TOD	TOP OF DUCT
TOS	TOP OF STEEL
UH	UNIT HEATER
V	VENT
VAV	VARIABLE AIR VOLUME
VFD	VARIABLE FREQUENCY DRIVE
VRF	VARIABLE REFRIGERANT FLOW
WB	WET BULB
WE	WELD END
WN	WELD NECK

AIR DISTRIBUTION DEVICE IDENTIFICATION



PIPE SYMBOLS

- PIPE UP
- PIPE DOWN
- PIPE CONTINUATION
- PIPE ELBOW

MECHANICAL GENERAL NOTES

1. LEGEND IS GENERAL IN NATURE AND MAY INDICATE MORE INFORMATION THAN IS APPLICABLE TO PROJECT. SEE PLANS FOR SPECIFIC SYMBOLS AND ABBREVIATIONS.
2. PROVIDE ALL MATERIALS, VALVES, HANGERS, ETC. AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE MECHANICAL SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED, AND AS REQUIRED BY CODE.
3. INSTALL ALL MECHANICAL EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, CONTRACT DOCUMENTS, AND APPLICABLE CODES AND REGULATIONS.
4. COORDINATE CONSTRUCTION OF ALL MECHANICAL WORK WITH STRUCTURAL, CIVIL, ELECTRICAL WORK, ETC., SHOWN ON OTHER CONTRACT DOCUMENT DRAWINGS.
5. UNLESS OTHERWISE INDICATED MAINTAIN A MINIMUM OF 6'-8" CLEARANCE TO UNDERSIDE OF PIPES, CONDUITS, ETC., THROUGHOUT ACCESS ROUTES AND IN MECHANICAL ROOMS.
6. LOCATE ALL MECHANICAL EQUIPMENT FOR UNOBSTRUCTED ACCESS TO UNIT ACCESS PANELS, CONTROLS, AND VALVING.
7. VERIFY DIMENSIONS AND CONNECTION SIZE WITH FURNISHED EQUIPMENT.
8. ALL ELEVATIONS ARE ABOVE FINISHED FLOOR TO BOTTOM OF DUCT, PIPE, OR PIPE INSULATION UNLESS NOTED OTHERWISE.
9. DUCT DIMENSIONS INDICATED REFER TO SHEET METAL DIMENSIONS. SHEET METAL SIZE SHALL BE AIR OPENING DIMENSION PLUS THE THICKNESS OF ACOUSTICAL LINER WHERE LINER IS INSTALLED. WHERE LINER IS NOT INSTALLED, AIR OPENING SIZE AND SHEET METAL SIZE SHALL BE THE SAME.
10. DUCT STATIC PRESSURE CLASSIFICATION: SEE SHEET M-505 FOR DUCT STATIC PRESSURE CLASSIFICATIONS.
11. LOCATE TRANSFER AIR DUCTS AND OPENINGS 24" ABOVE HIGHEST CEILING ELEVATION UNLESS OTHERWISE NOTED.
12. COORDINATE ALL WALL AND ROOF PENETRATIONS WITH STRUCTURAL AND ARCHITECTURAL PLANS.
13. INSTALL TEMPERATURE CONTROLS AT 48" ABOVE FINISHED FLOOR AND COORDINATE WITH OTHER DEVICES LOCATED ON WALLS. COORDINATE WITH ARCHITECTURAL WALL FINISHES.
14. PROVIDE STRUCTURAL EQUIPMENT PADS IN ACCORDANCE WITH STRUCTURAL DRAWINGS AND SPECIFICATIONS.
15. CONTRACTOR SHALL AIR BALANCE ALL GRILLES TO CFM'S SHOWN ON PLANS.
16. MOUNT ALL OVERHEAD MECHANICAL EQUIPMENT AND FIXTURES WEIGHING 31 POUNDS OR MORE TO SUPPORTS THAT SHALL RESIST FORCES OF 0.5 TIMES THE EQUIPMENT WEIGHT IN ANY HORIZONTAL DIRECTION AND 1.5 TIMES THE EQUIPMENT WEIGHT IN THE DOWNWARD DIRECTION. BRACING SHALL BE DESIGNED BY THE CONTRACTOR. SEE SPECIFICATION 23 05 48.19 FOR MORE INFORMATION.
17. ALL VARIABLE FREQUENCY DRIVES (VFD) SHALL BE TAKEN AS ADJUSTABLE SPEED DRIVES (ASD) WHEN REFERING TO DIV. 26 DOCUMENTS.

GEORGIA REGISTERED No. 044771 PROFESSIONAL ENGINEER ANTHONY DERRICK ALLGOOD
01/21/2026

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

DESIGN BY: LLEIBKUCHLER
DRAWN BY: LLEIBKUCHLER
CHECKED BY: G. FAUST
SUBMITTED BY: A. ALLGOOD
SIZE: ANSI D
ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-01
FILE NAME: 18868 143139_M_Central

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA. 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

MECHANICAL NOTES, LEGEND, SYMBOLS & ABBREVIATIONS

SHEET ID
M-001

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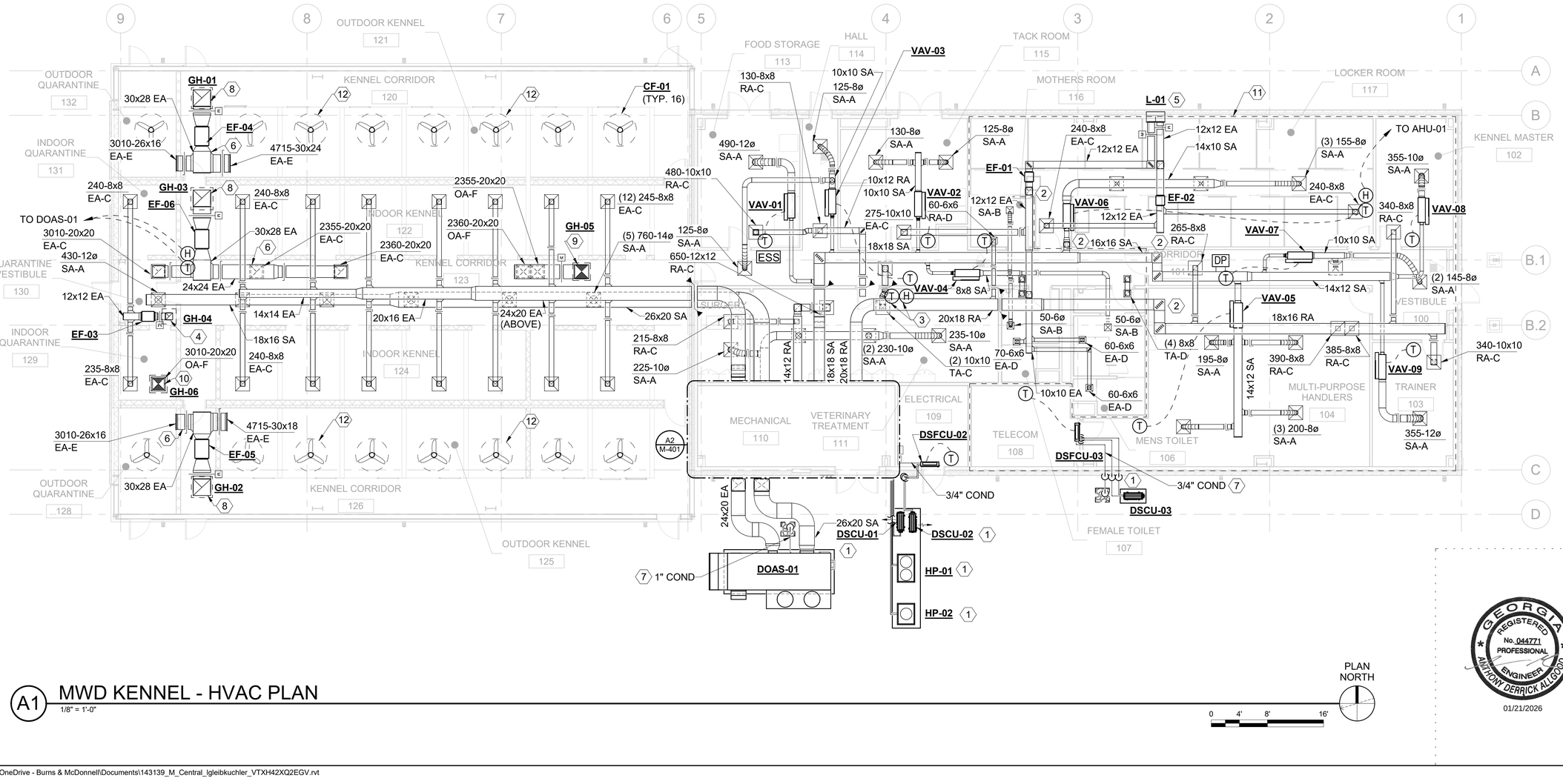
GENERAL NOTES:

1. MOUNT ALL OVERHEAD MECHANICAL EQUIPMENT AND FIXTURES WEIGHING 31 POUNDS OR MORE TO SUPPORTS THAT SHALL RESIST FORCES OF 0.5 TIMES THE EQUIPMENT WEIGHT IN ANY HORIZONTAL DIRECTION AND 1.5 TIMES THE EQUIPMENT WEIGHT IN THE DOWNWARD DIRECTION. BRACING SHALL BE DESIGNED BY THE CONTRACTOR. SEE SPECIFICATION 23 05 48.19 FOR MORE INFORMATION.
2. MOUNT ALL CEILINGS FANS AT 10'-9" AFF UNLESS OTHERWISE NOTED. MOUNT CEILING FANS PER MANUFACTURER'S INSTRUCTIONS.

SHEET KEYNOTES:

1. ROUTE REFRIGERANT PIPING TO ASSOCIATED INDOOR UNIT SIZED PER MANUFACTURER REQUIREMENTS.
2. DUCT PENETRATION THROUGH WALL TO CONTROLLED AREA. PROVIDE MANBARS ON DUCT WITH AREA GREATER THAN 96 SQ. IN. SEE DETAILS D1 AND D5 ON SHEET M-503 FOR FURTHER INFORMATION.
3. THERMOSTAT AND HUMIDITSTAT TO AHU-02.
4. 12"x12" EXHAUST DUCTWORK UP AND THRU ROOF TO GRAVITY HOOD GH-04 WITH INSECT SCREEN.
5. PROVIDE SHEET METAL DIVIDER BETWEEN TWO AIRSTREAMS IN LOUVER PLENUM .
6. DUCT MATERIALS AND JOINTS SHALL BE CAPABLE OF WITHSTANDING 480°F TEMPERATURE DURING OPERATION. SUPPORT DUCTWORK FROM NON-COMBUSTIBLE RATED STRUCTURAL COMPONENTS.
7. ROUTE CONDENSATE FROM UNIT TO FRENCH DRAIN.
8. 30"x28" EXHAUST DUCTWORK UP AND THRU ROOF TO GRAVITY HOOD WITH INSECT SCREEN.
9. 24"x24" OA DUCTWORK UP AND THRU ROOF TO GRAVITY HOOD GH-05 WITH INSECT SCREEN.
10. 20"x20" OA DUCTWORK UP AND THRU ROOF TO GRAVITY HOOD GH-06 WITH INSECT SCREEN. PROVIDE MOTORIZED DAMPER ON VERTICAL DUCT.
11. CONTROLLED AREA BOUNDARY.
12. MOUNT CEILING FAN AT 9'-0" AFF. COORDINATE FINAL ELEVATION WITH STRUCTURAL.



A1 MWD KENNEL - HVAC PLAN

1/8" = 1'-0"

PLAN NORTH

0 4' 8' 16'

GEORGIA REGISTERED No. 044771 PROFESSIONAL ENGINEER ANTHONY DERRICK ALLGOOD

01/21/2026

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

DESIGN BY: LLEIBKUCHLER
DRAWN BY: LLEIBKUCHLER
CHECKED BY: G. FAUST
SUBMITTED BY: A. ALLGOOD
SIZE: ANSI D
FILE NAME: 18968 143139_M_Central
CATEGORY CODE: 141-001-01
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
ISSUE DATE: JANUARY, 2026

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
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BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

MWD KENNEL - HVAC PLAN

SHEET ID
M-101

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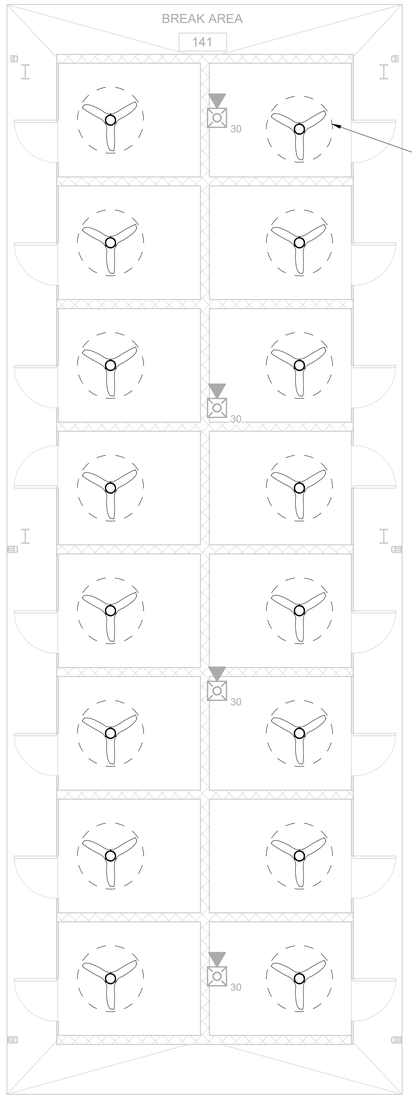
GENERAL NOTES:

1. MOUNT ALL OVERHEAD MECHANICAL EQUIPMENT AND FIXTURES WEIGHING 31 POUNDS OR MORE TO SUPPORTS THAT SHALL RESIST FORCES OF 0.5 TIMES THE EQUIPMENT WEIGHT IN ANY HORIZONTAL DIRECTION AND 1.5 TIMES THE EQUIPMENT WEIGHT IN THE DOWNWARD DIRECTION. BRACING SHALL BE DESIGNED BY THE CONTRACTOR. SEE SPECIFICATION 23 05 48.19 FOR MORE INFORMATION.
2. MOUNT ALL CEILINGS FANS AT 10'-0" AFF UNLESS OTHERWISE NOTED. MOUNT CEILING FANS PER MANUFACTURER'S INSTRUCTIONS.



A4 MWD BREAK AREA - HVAC PLAN
3/16" = 1'-0"

PLAN NORTH

0 4' 8' 12'

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

DESIGN BY: L LEIBKUCHLER
DRAWN BY: L LEIBKUCHLER
CHECKED BY: G. FAUST
SUBMITTED BY: A. ALLGOOD
SIZE: ANSI D
ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-01
FILE NAME: 18868 143139_M_Central

U.S. ARMY CORPS OF ENGINEERS
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HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

MWD BREAK AREA - HVAC PLAN

GEORGIA REGISTERED No. 044771 PROFESSIONAL ENGINEER ANTHONY DERRICK ALLGOOD
01/21/2026

SHEET ID
M-111

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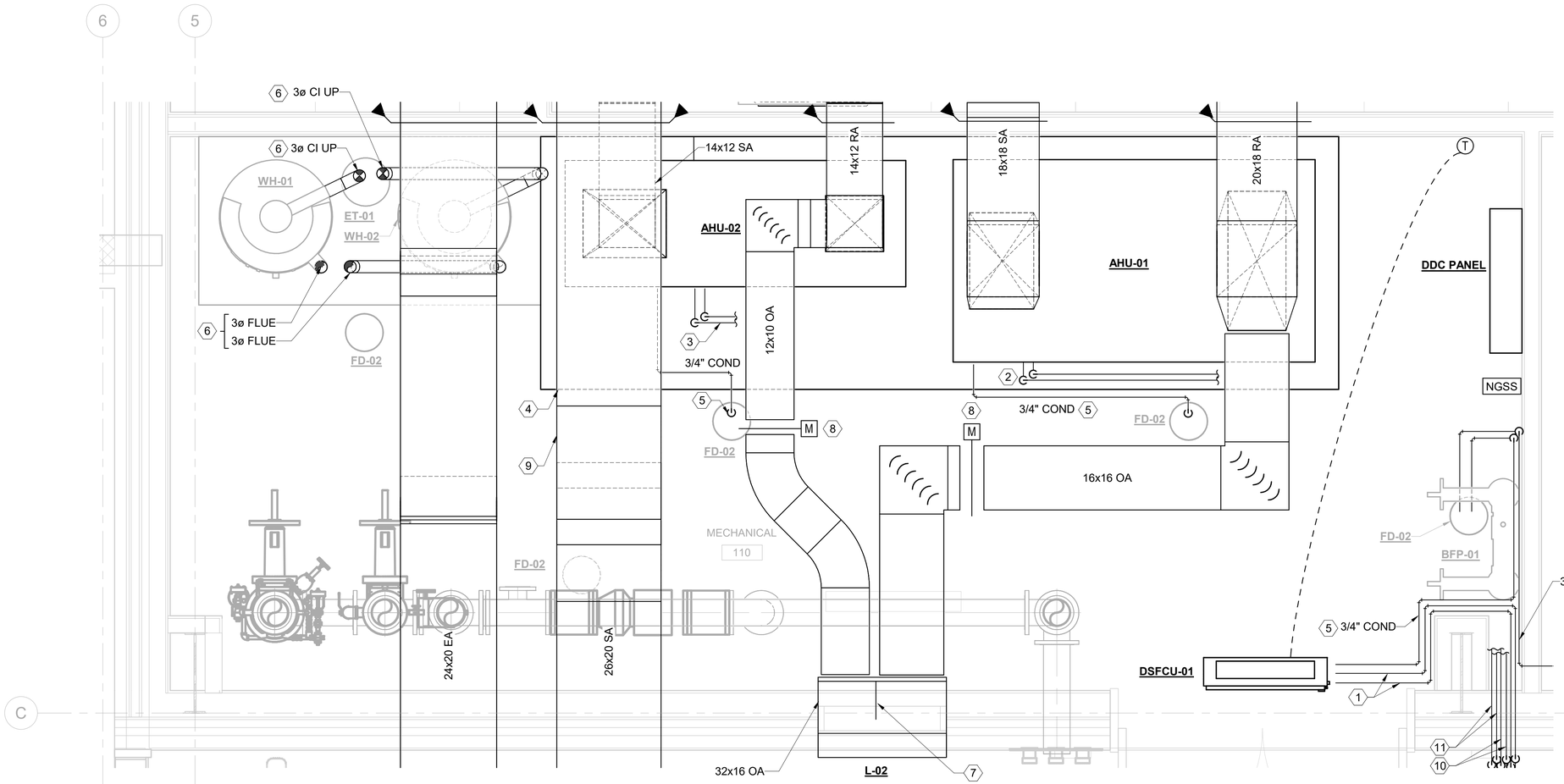
GENERAL NOTES:

1. MOUNT ALL OVERHEAD MECHANICAL EQUIPMENT AND FIXTURES WEIGHING 31 POUNDS OR MORE TO SUPPORTS THAT SHALL RESIST FORCES OF 0.5 TIMES THE EQUIPMENT WEIGHT IN ANY HORIZONTAL DIRECTION AND 1.5 TIMES THE EQUIPMENT WEIGHT IN THE DOWNWARD DIRECTION. BRACING SHALL BE DESIGNED BY THE CONTRACTOR. SEE SPECIFICATION 23 05 48.19 FOR MORE INFORMATION.

SHEET KEYNOTES:

1. ROUTE REFRIGERANT PIPING FROM DSFCU-01 TO OUTDOOR DSCU-01. PIPING SHALL BE SIZED PER MANUFACTURERS REQUIREMENTS.
2. ROUTE REFRIGERANT PIPING FROM AHU-01 TO OUTDOOR HP-01. PIPING SHALL BE SIZED PER MANUFACTURERS REQUIREMENTS.
3. ROUTE REFRIGERANT PIPING FROM AHU-02 TO OUTDOOR HP-02. PIPING SHALL BE SIZED PER MANUFACTURERS REQUIREMENTS.
4. PROVIDE 4" CONCRETE EQUIPMENT PAD FOR AHU'S. SEE STRUCTURAL DOCUMENTS FOR MORE INFORMATION.
5. ROUTE CONDENSATE PIPING TO NEAREST FLOOR DRAIN.
6. TERMINATE FLUE AND COMBUSTION INTAKE THROUGH ROOF PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE MANUFACTURER'S RECOMMENDED CAP WITH BIRDSCREEN. SEE MECHANICAL DETAILS FOR MORE INFORMATION.
7. PROVIDE SHEET METAL DIVIDER BETWEEN TWO AIRSTREAMS IN LOUVER PLENUM .
8. MOTORIZED OUTSIDE AIR DAMPER SHALL BE LOW LEAKAGE CLASS 1A.
9. SUPPLY AIR FLOW SENSOR LOCATION. SEE CONTROLS SHEETS FOR MORE INFORMATION.
10. REFRIGERANT PIPING FROM HP-01 TO AHU-01.
11. REFRIGERANT PIPING FROM HP-02 TO AHU-02.



A2 ENLARGED MECHANICAL PLAN - MECHANICAL ROOM

3/4" = 1'-0"

PLAN NORTH

0 1' 2' 3'

GEORGIA REGISTERED No. 044771 PROFESSIONAL ENGINEER ANTHONY DERRICK ALLGOOD

01/21/2026

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

DESIGN BY: LLEIBKUCHLER
DRAWN BY: LLEIBKUCHLER
CHECKED BY: G. FAUST
SUBMITTED BY: A. ALLGOOD
SIZE: ANSI D
ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-01
FILE NAME: 18968 143139_M_Central

U.S. ARMY CORPS OF ENGINEERS SAVANNAH DISTRICT 100 WEST OLIVER STREET AVE. SAVANNAH, GA 31401-3640

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9400 WARD PARKWAY KANSAS CITY, MO 64114

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MECHANICAL ENLARGEMENTS - MECHANICAL ROOM

SHEET ID
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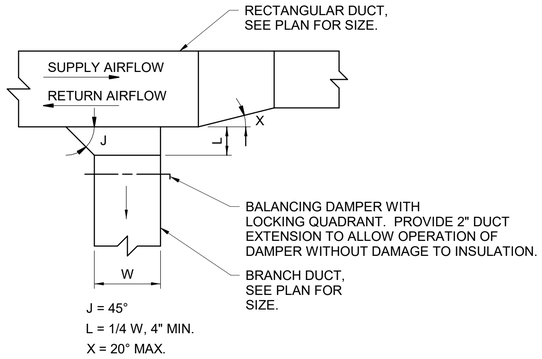
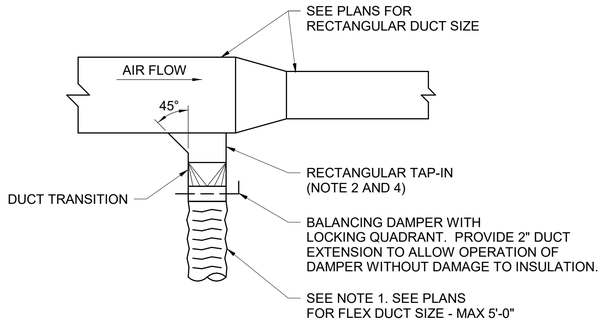


NOTES:

1. TAKEOFF ON BOTH SIDES OR SINGLE SIDE AS REQUIRED BY PLANS.
2. SEE SMACNA MANUAL FOR TAP-IN DETAILS.
3. WHEN FITTING HAS ONLY ONE SIDE SLOPED FOR A SINGLE SIDE TAKE-OFF, THE TAP-IN SHALL BE INSTALLED IN SLOPED SIDE.
4. CLINCH LOCK CONNECTION TO DUCT SHALL HAVE CORNER SEALS. (SEE SMACNA MANUAL).
5. EXTRACTORS, SCOOPS, DEFLECTORS OR DAMPERS THAT PROTRUDE INTO THE MAIN DUCT SHALL NOT BE USED. BALANCING DAMPERS SHALL BE LOCATED TO PREVENT PROTRUSION INTO THE MAIN DUCT AND TO PROVIDE STABLE AIR FLOW AND MINIMAL NOISE WHEN ADJUSTED.

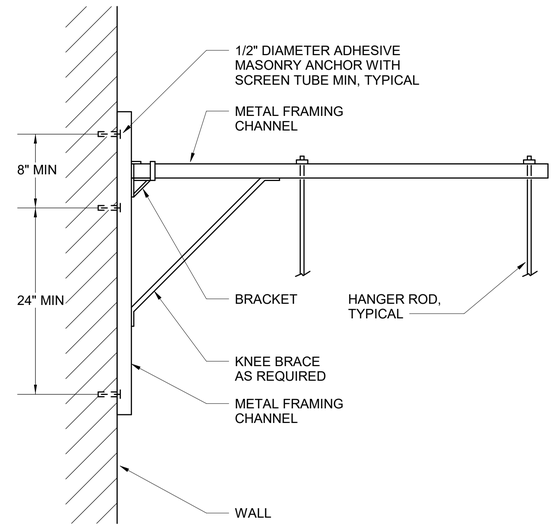
D1 BRANCH DUCT TAKE-OFF
NTS



NOTES:

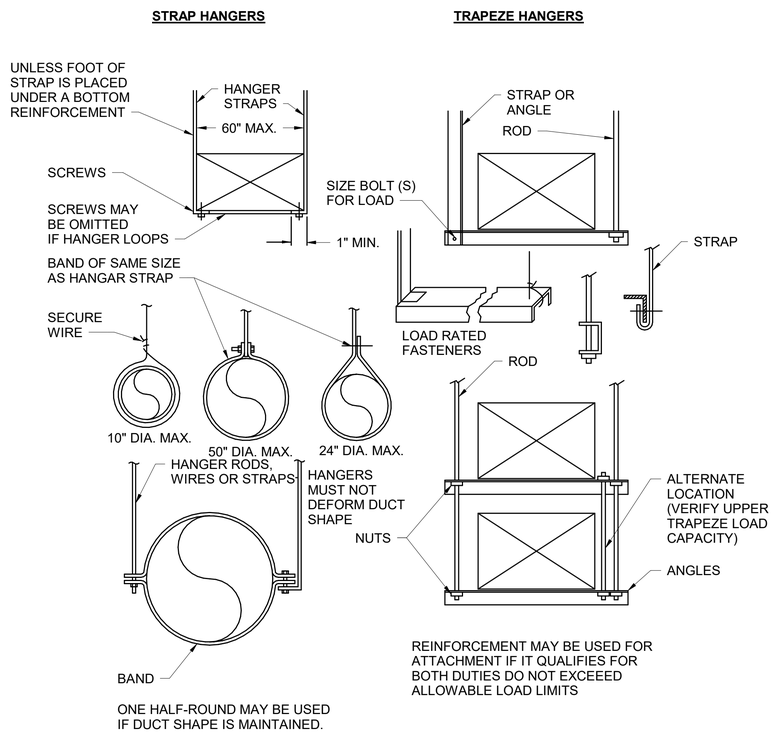
1. TAKEOFF ON BOTH SIDES OR SINGLE SIDE AS REQUIRED BY PLANS.
2. TAP-IN MAY BE RECTANGULAR OR ROUND. SEE SMACNA MANUAL FOR DETAILS.
3. WHEN FITTING HAS ONLY ONE SIDE SLOPED FOR A SINGLE SIDE TAKE-OFF, THE TAP-IN SHALL BE INSTALLED IN SLOPED SIDE.
4. CLINCH LOCK CONNECTION TO DUCT SHALL HAVE CORNER SEALS (SEE SMACNA MANUAL).

D4 DIFFUSER TAKE-OFF
NTS

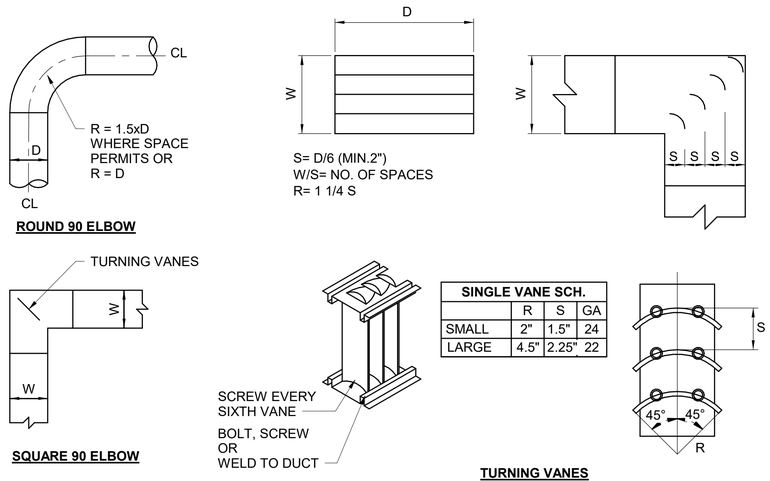


NOTE: CONTRACTOR SHALL DETERMINE SUPPORT COMPONENTS PER INSTANCE FOR THE DUCT/PIPE/EQUIPMENT WEIGHT, DIMENSIONS, AND DISTANCE FROM WALL. MAXIMUM LOAD PER SUPPORT SHALL BE 250 LBS.

D7 MECHANICAL WALL MOUNTED HANGER SUPPORT
NTS

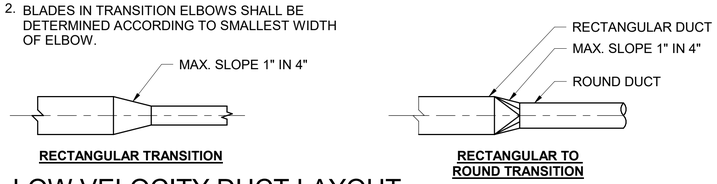


A1 LOWER DUCT HANGER ATTACHMENTS
NTS

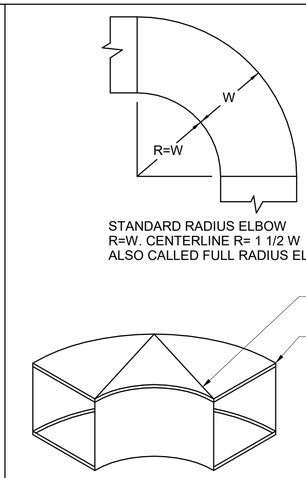


NOTES:

1. USE THIS DESIGN WHERE SQUARE 90°ELBOWS ARE SHOWN ON DRAWINGS OR IF SPACE DOES NOT PERMIT ROUND 90° ELBOWS.
2. BLADES IN TRANSITION ELBOWS SHALL BE DETERMINED ACCORDING TO SMALLEST WIDTH OF ELBOW.



A5 LOW VELOCITY DUCT LAYOUT
NTS



B8 RADIUS DUCT ELBOW
NTS

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-01
FILE NAME: 143139_M_Central
189618
ANSI D

DESIGN BY: L.LEIBKUCHLER
DRAWN BY: L.LEIBKUCHLER
CHECKED BY: G. FAUST
SUBMITTED BY: A. GOOD

U.S. ARMY CORPS OF ENGINEERS
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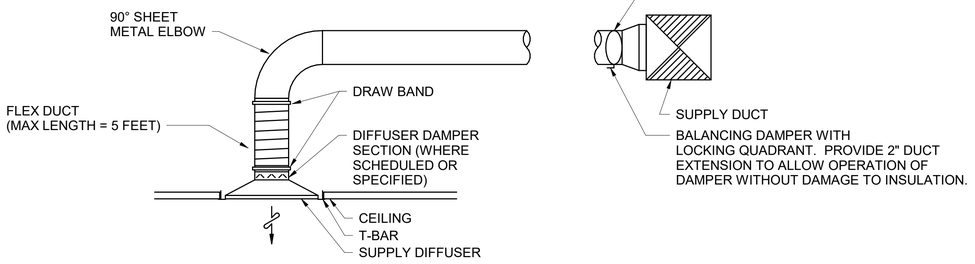
HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

MECHANICAL DETAILS

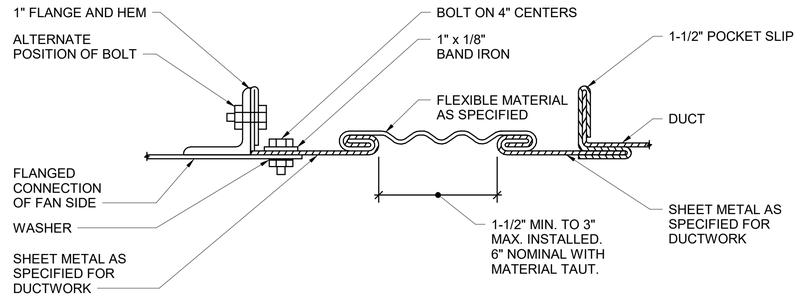
GEORGIA REGISTERED No. 044771 PROFESSIONAL ENGINEER ANTHONY DERRICK ALLGOOD
01/21/2026

SHEET ID
M-501

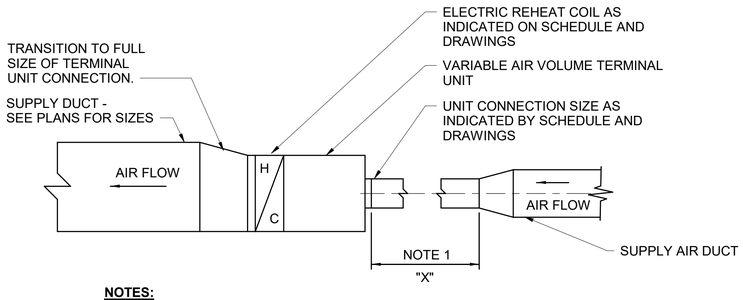
READY TO ADVERTISE (RTA)



F1 FLEXIBLE DUCT AT DIFFUSER
NTS



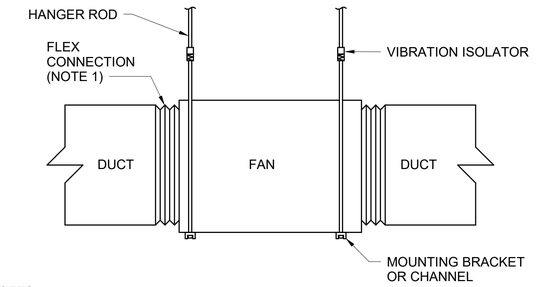
F6 RECTANGULAR FLEXIBLE CONNECTION
NTS



NOTES:

1. INLET DUCT TO BE UNIT CONNECTION SIZE WITH A MINIMUM OF 2 DUCT DIAMETERS STRAIGHT LENGTH.
2. NO FLEXIBLE DUCTWORK ON UNIT INLET OR OUTLET DUCT IS ALLOWED.

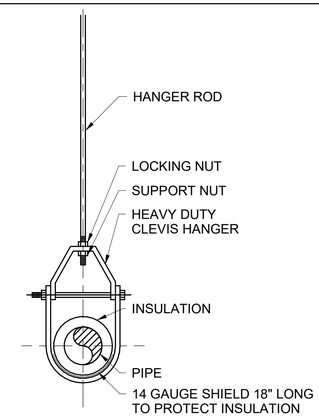
C1 VAV TERMINAL UNIT
NTS



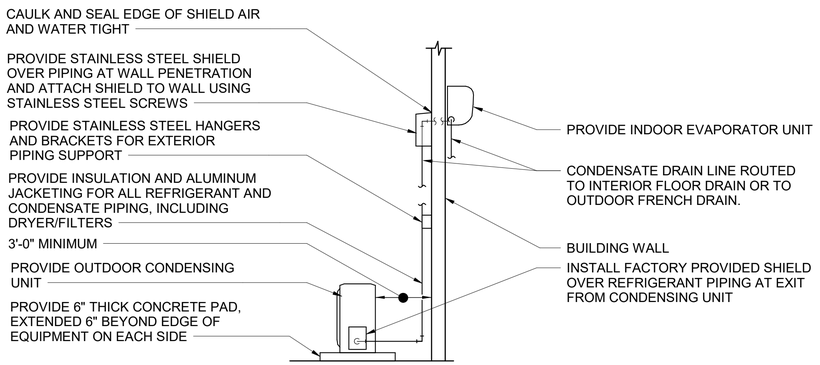
NOTES:

1. FLEX CONNECTION ON SMOKE EXHAUST FANS SHALL BE RATED FOR A MINIMUM TEMPERATURE OF 480 °F.

C5 HORIZONTAL CABINET OR INLINE FAN
NTS



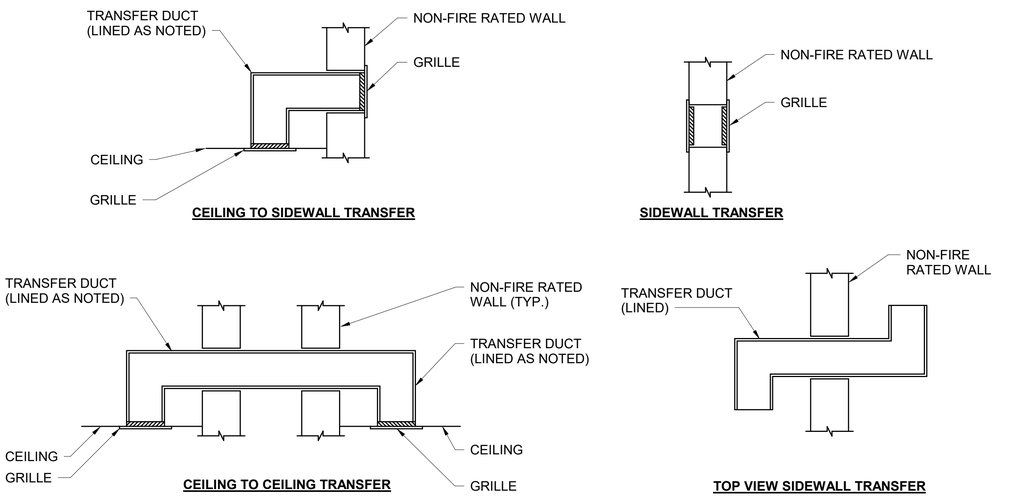
C8 PIPE HANGER - CLEVIS TYPE
NTS



NOTES:

1. INSULATION SHALL BE PROVIDED FOR ALL EXPOSED REFRIGERANT PIPING INSIDE CONDENSING UNIT.

A1 DUCTLESS SPLIT INSTALLATION DETAIL
NTS



A5 TRANSFER DUCT - NON FIRE RATED
NTS

GEORGIA REGISTERED No. 044771 PROFESSIONAL ENGINEER ANTHONY DERRICK ALLGOOD
01/21/2026

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

DESIGN BY: LLEIBKUCHLER
DRAWN BY: LLEIBKUCHLER
CHECKED BY: G. FAUST
SUBMITTED BY: A. ALLGOOD
SIZE: ANSI D
FILE NAME: 18868 143139_M_Central
ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-001

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY'25, PN 69262

MECHANICAL DETAILS

SHEET ID
M-502

READY TO ADVERTISE (RTA)

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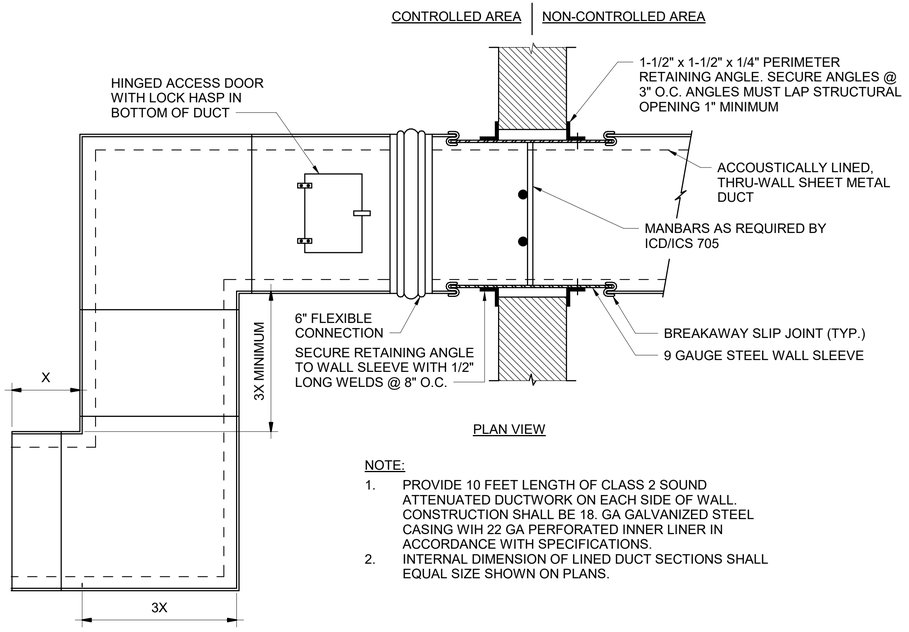
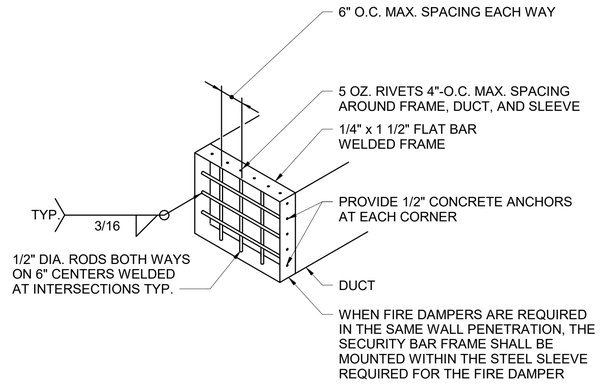


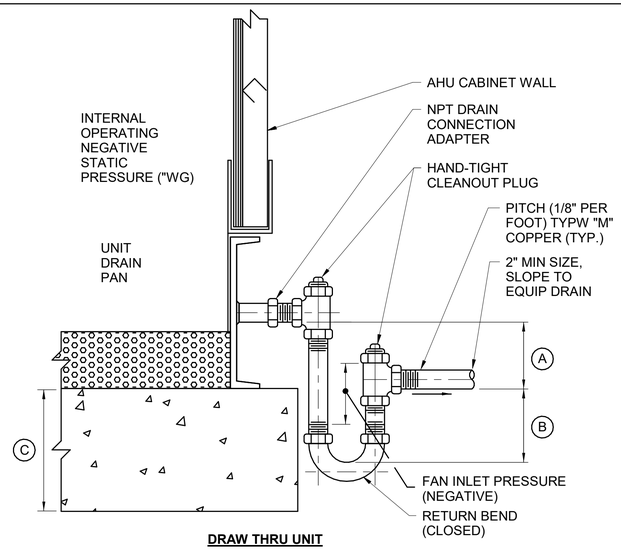
NOTE:
1. PROVIDE 10 FEET LENGTH OF CLASS 2 SOUND ATTENUATED DUCTWORK ON EACH SIDE OF WALL. CONSTRUCTION SHALL BE 18. GA GALVANIZED STEEL CASING WIH 22 GA PERFORATED INNER LINER IN ACCORDANCE WITH SPECIFICATIONS.
2. INTERNAL DIMENSION OF LINED DUCT SECTIONS SHALL EQUAL SIZE SHOWN ON PLANS.

D1 DUCT PENETRATION AT CONTROLLED WALL
NTS



NOTE:
1. MANBARS SHALL BE INSTALLED WHEN DUCT CROSSES CONTROLLED WALL AND DUCT FACE AREA IS GREATER THAN 96 SQUARE INCHES.

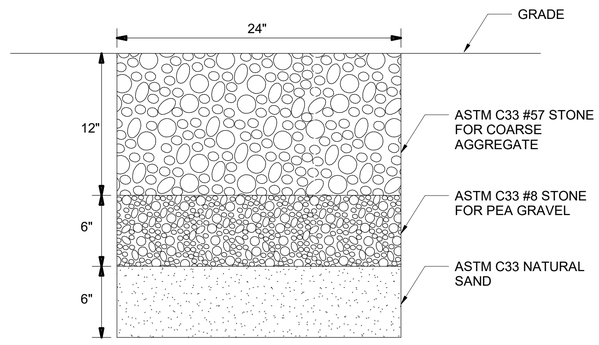
D5 MANBARS
NTS



NOTES:

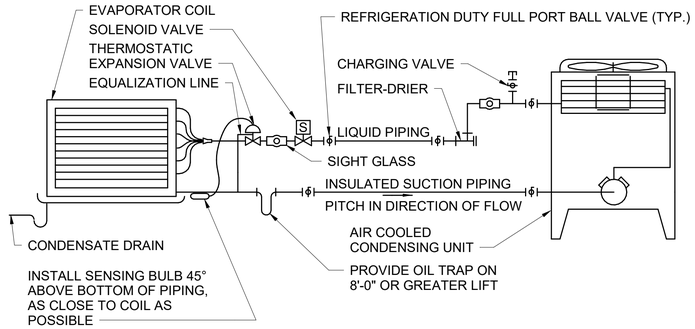
- (A) DIMENSION EQUAL TO MAXIMUM FAN INLET PRESSURE (INCH WC) +1" (MIN.)
- (B) DIMENSION EQUAL TO (A) /2 (MIN.)
- (C) INCREASE PAD THICKNESS AS REQUIRED TO ACHIEVE REQUIRED TRAP DEPTH (4" MINIMUM)

A1 HVAC CONDENSATE TRAP DRAIN
NTS



NOTES:
1. COMPACT SAND LAYER TO 92% MAXIMUM DRY DENSITY PER ASTM D1557.

A4 FRENCH DRAIN PIT DETAIL
NTS



NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR COORDINATING REFRIGERANT LIQUID AND SUCTION PIPING, SIZES, ROUTING, AND ALL ACCESSORIES WITH EQUIPMENT MANUFACTURER. MAINTAIN UNIFORM SLOPE TO PREVENT OIL FROM POOLING IN LOW POINTS IN THE REFRIGERANT PIPING SYSTEM.
2. COORDINATE THIS DETAIL WITH DETAIL A1 ON M-502

B7 DX SPLIT SYSTEM PIPING
NTS

GEORGIA REGISTERED No. 044771 PROFESSIONAL ENGINEER ANTHONY DERRICK ALLGOOD
01/21/2026

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

DESIGN BY: L.LEIBKUCHLER
DRAWN BY: L.LEIBKUCHLER
CHECKED BY: G. FAUST
SUBMITTED BY: A. ALLGOOD
SIZE: ANSI D
ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-101
FILE NAME: 18868 143139_M_Central

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

MECHANICAL DETAILS

SHEET ID
M-503

READY TO ADVERTISE (RTA)

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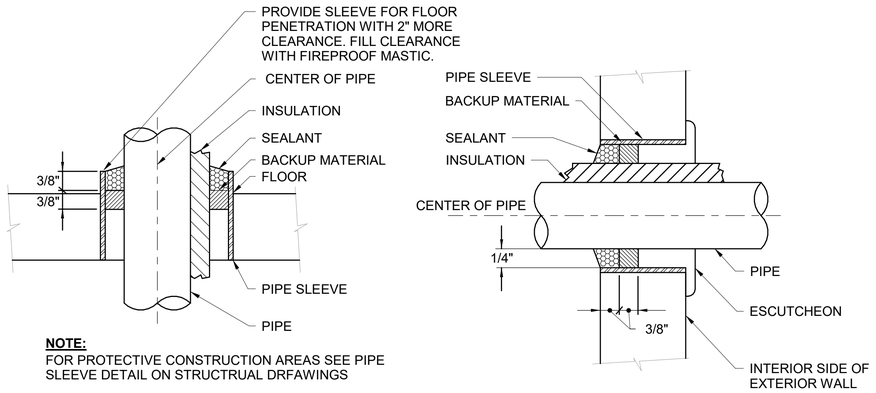
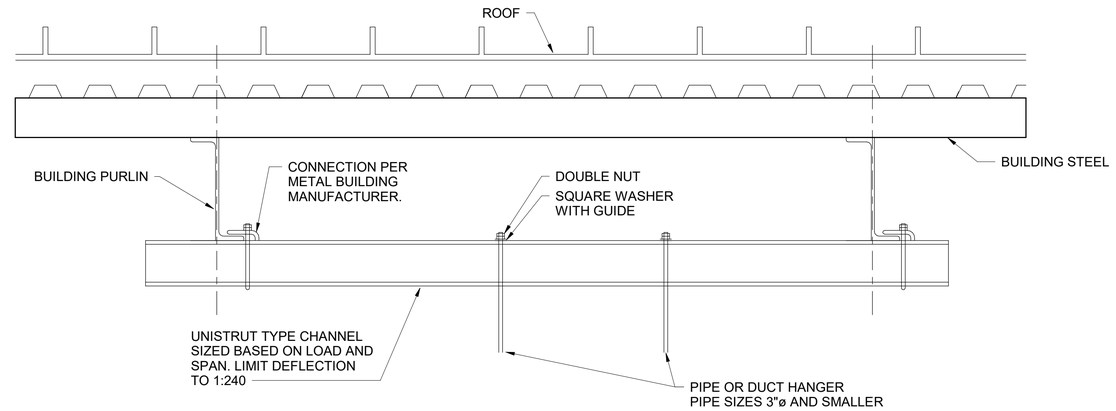
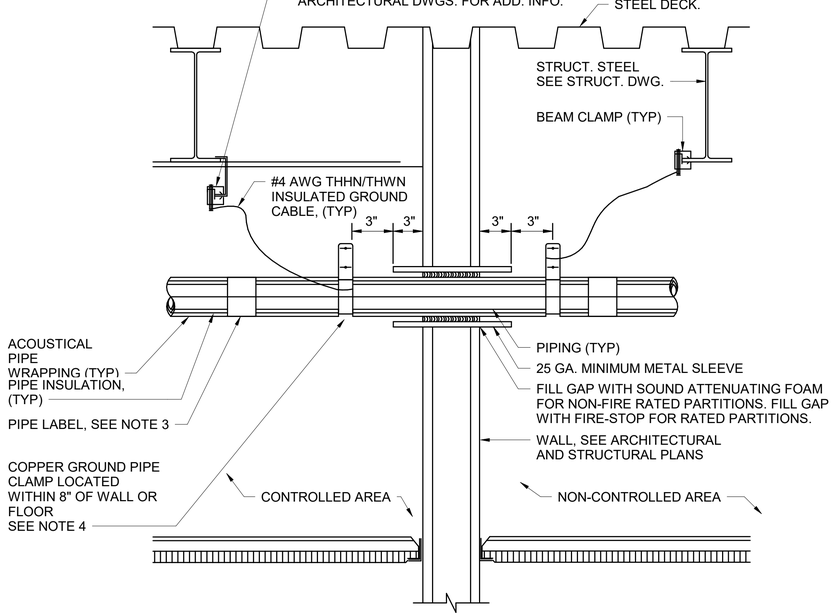


NOTE:
FOR PROTECTIVE CONSTRUCTION AREAS SEE PIPE SLEEVE DETAIL ON STRUCTRUAL DRFAWINGS

E1 PIPE PENETRATIONS THROUGH VARIOUS STRUCTURES
NTS



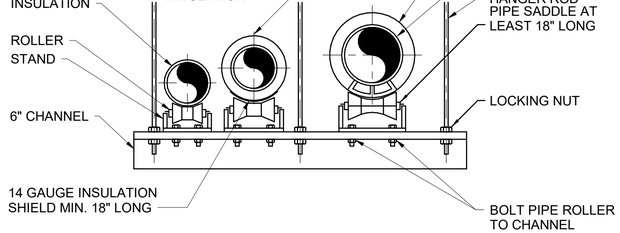
E5 MECHANICAL PIPE/DUCT SUPPORT STEEL DETAIL
NTS



A1 CONTROLLED AREA PIPING PENETRATION
NTS

NOTES:

1. CONTROLLED AREA REQUIRES THAT PENETRATIONS SUCH AS THE DETAIL SHOWN BE ACCESSIBLE FOR INSPECTION BY PROGRAM SECURITY. COORDINATE WITH CONTRACTING OFFICER DURING INSTALLATION AND BONDING OF PIPES CROSSING BETWEEN CONTROLLED AREAS.
2. CONTRACTOR SHALL KEEP A LOG OF ALL PIPE PENETRATIONS INDICATING LOCATION, PURPOSE AND INDICATION THAT THE INSTALLATION HAS BEEN COORDINATED WITH CONTRACTING OFFICER AND PROGRAM SECURITY.
3. LABEL SHALL BE PERMANENTLY AFFIXED. LABEL PIPE FUNCTION.
4. INSULATION SHOULD BE CUT UP TO THE EDGE OF PIPE CLAMP TO ENSURE THAT GROUNDING IS PROPERLY CONNECTED.
5. DO NOT MECHANICALLY TIE PIPE TO WALL CONSTRUCTION IN ANY WAY.
6. SPACE BETWEEN PIPE AND SLEEVE TO BE FREE OF FOREIGN MATERIAL.
7. PIPE SHALL NOT CONTACT SLEEVE AT ANY TIME. WEDGES SHALL NOT BE USED TO MAINTAIN PIPE POSITION.
8. PIPE MUST BE CENTERED IN WALL OPENING. PROVIDE ADDITIONAL CLEARANCE FOR POSITIONAL CHANGE OF PIPE DUE TO LOADING OF PIPE OR SYSTEM OPERATION.



C7 PIPE HANGER - TRAPEZE TYPE
NTS

GEORGIA REGISTERED No. 044771 PROFESSIONAL ENGINEER ANTHONY DERRICK ALLGOOD
01/21/2026

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-001
FILE NAME: 18986.18 143139_M_Central
DESIGN BY: LLEIBKUCHLER
DRAWN BY: LLEIBKUCHLER
CHECKED BY: G. FAUST
SUBMITTED BY: A. ALLGOOD
SIZE: ANSI D

U.S. ARMY CORPS OF ENGINEERS
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MECHANICAL DETAILS

SHEET ID
M-504

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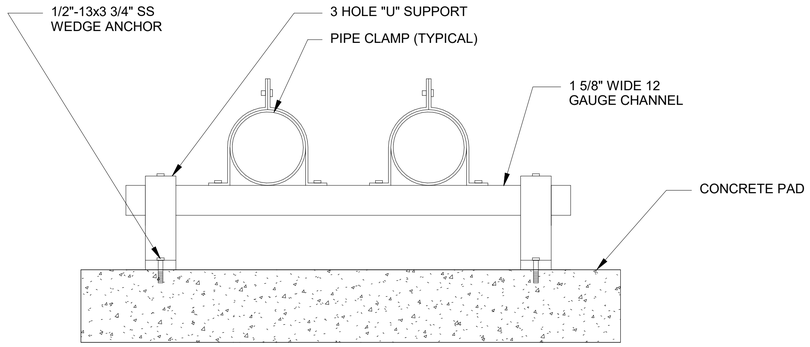
DUCTWORK CONSTRUCTION AND LEAKAGE TESTING TABLE

SYSTEM	DUCT PRESSURE CLASS				DUCT LEAK CLASS			DUCT SEAL CLASS		NOTES
	INCHES OF WATER COLUMN				SUPPLY/DISCHARGE					
	SUPPLY/DISCHARGE DUCT	RETURN DUCT	EXHAUST DUCT	OUTSIDE AIR DUCT	ROUND/OVAL	RECTANGULAR	RETURN/OUTSIDE AIR	SUPPLY/DISCHARGE	RETURN/OUTSIDE AIR	
AHU-01	3.0	-	-	-	6	12	-	A	-	1,3
	-	-1.0	-	-1.0	-	-	24	-	A	1,2
AHU-02, DOAS-01	1.0	-	-	-	6	12	-	A	-	1,3
	-	-1.0	-1.0	-1.0	-	-	24	-	A	1,2
EF-01 THRU EF-07	1.0	-	-	-	-	24	-	A	-	1,3
	-	-	-1.0	-	-	-	24	-	A	1,2

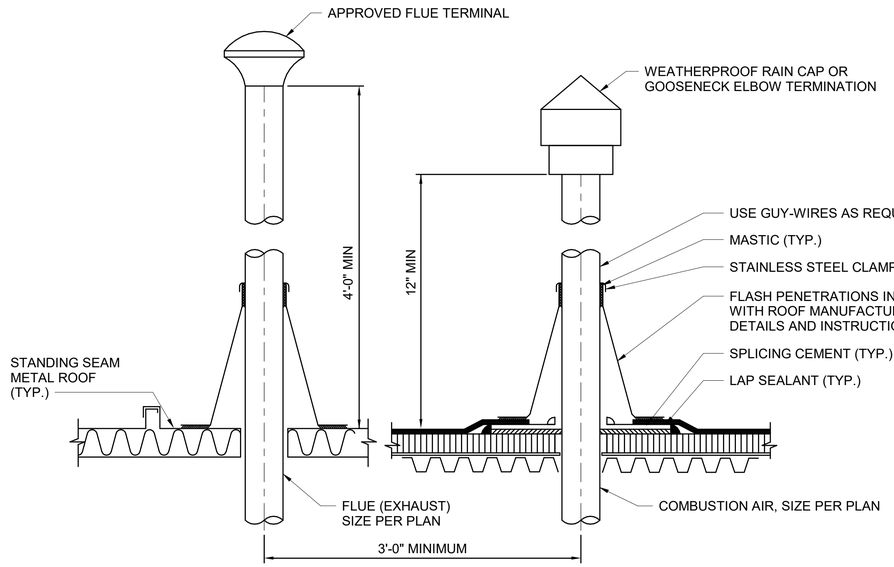
NOTES:
1. TEST IN ACCORDANCE WITH SECTION 23 05 93 - TESTING, ADJUSTING, AND BALANCING FOR HVAC, AND WITH PROCEDURES IN SMACNA HVAC AIR DUCT.
2. UPSTREAM OF FAN.
3. DOWNSTREAM OF FAN.



NOTE:

PROVIDE ONE SUPPORT EVERY 5 FEET ON CENTER AND AT EACH TURN IN DIRECTION.

C1 CHANNEL PIPE SUPPORT
NTS



C6 COMBUSTION AIR AND FLUE THROUGH ROOF
NTS

GEORGIA REGISTERED No. 044771 PROFESSIONAL ENGINEER ANTHONY DERRICK ALLGOOD
01/21/2026

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

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DRAWN BY: LLEIBKUCHLER
CHECKED BY: G. FAUST
SUBMITTED BY: A. ALLGOOD
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SOLICITATION NO.: W912HN-26-B-A003
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CATEGORY CODE: 141-001-101
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U.S. ARMY CORPS OF ENGINEERS
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SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER army AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

MECHANICAL DETAILS

SHEET ID
M-505

READY TO ADVERTISE (RTA)

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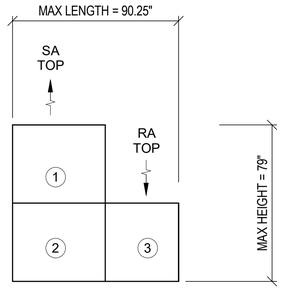
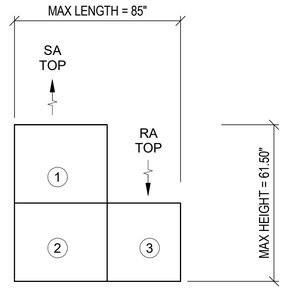


MAX WIDTH = 50.50"

AHU-01 SECTIONS	
SECTION #	DESCRIPTION
1	SUPPLY FAN SECTION
2	COOLING COIL
3	AIR MIXING / FILTER SECTION

NOTE:
1. UNIT SHALL MEET DIMENSIONS INDICATED. ANY DIMENSIONS GREATER THAN THOSE SHOWN SHALL BE SUBJECT TO APPROVAL AND SHALL BE COORDINATED WITH EQUIPMENT CLEARANCE REQUIREMENTS BETWEEN UNIT AND ADJACENT UNITS AND ROOM COMPONENTS.

E1 AHU-01 DIAGRAM
NTS



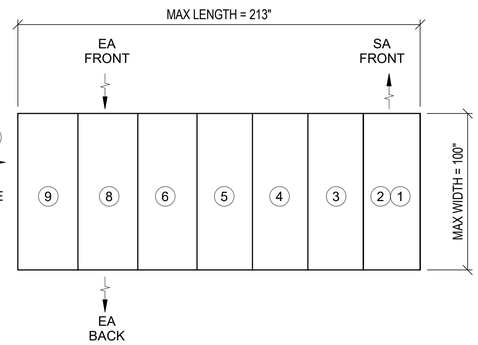
MAX WIDTH = 31.50"

AHU-02 SECTIONS	
SECTION #	DESCRIPTION
1	SUPPLY FAN SECTION
2	COOLING COIL
3	AIR MIXING / FILTER SECTION

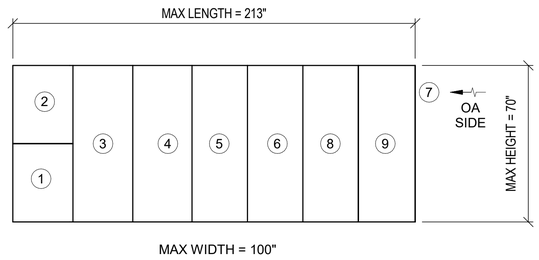
NOTE:
1. UNIT SHALL MEET DIMENSIONS INDICATED. ANY DIMENSIONS GREATER THAN THOSE SHOWN SHALL BE SUBJECT TO APPROVAL AND SHALL BE COORDINATED WITH EQUIPMENT CLEARANCE REQUIREMENTS BETWEEN UNIT AND ADJACENT UNITS AND ROOM COMPONENTS.

E5 AHU-02 DIAGRAM
NTS

TOP VIEW



FRONT VIEW

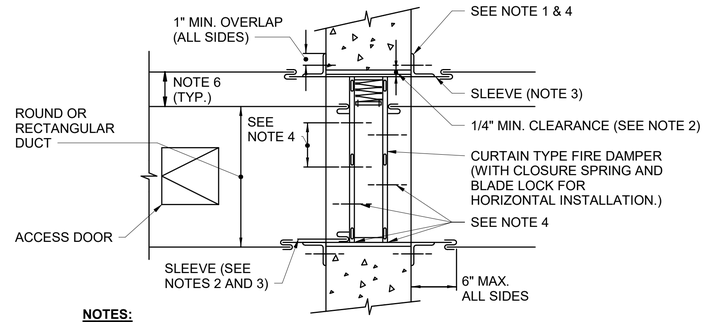


MAX WIDTH = 100"

DOAS-01 SECTIONS	
SECTION #	DESCRIPTION
1	NATURAL GAS BURNER SECTION
2	SUPPLY FAN SECTION
3	HOT GAS REHEAT
4	COOLING COIL
5	FILTER RACK
6	ENERGY RECOVERY WHEEL
7	OA INTAKE SECTION
8	EA INTAKE SECTION
9	EA FAN SECTION

NOTE:
1. UNIT SHALL MEET DIMENSIONS INDICATED. ANY DIMENSIONS GREATER THAN THOSE SHOWN SHALL BE SUBJECT TO APPROVAL AND SHALL BE COORDINATED WITH EQUIPMENT CLEARANCE REQUIREMENTS BETWEEN UNIT AND ADJACENT UNITS AND COMPONENTS.

A1 DOAS-01 DIAGRAM
NTS



NOTES:

1. STEEL RETAINING ANGLES:
   MINIMUM 3" x 3" x 3/16" RETAINING ANGLES MUST LAP STRUCTURAL OPENING 1" MINIMUM AND COVER CORNERS OF OPENINGS.
2. CLEARANCE, DAMPER SLEEVE TO WALL OPENING:
   1/8" PER LINEAR FOOT. 1/4" MINIMUM.
3. STEEL SLEEVE:
   SLEEVE GAUGE SHALL BE AT LEAST EQUAL TO GAUGE OF THE CONNECTING DUCT WHEN USING BREAKAWAY CONNECTIONS (PLAIN 'S', HEMMED 'S' SLIP, STANDING 'S' SLIP, INSIDE SLIP JOINT, OR DOUBLE 'S' SLIP) FOR RIGID CONNECTIONS, SLEEVE SHALL BE MINIMUM 16 GAUGE FOR DAMPERS UP TO 36"W x 24"H OR 24" DIA. AND 14 GAUGE FOR DAMPERS OVER 36"W, 24"H OR 24" DIA.
4. SECURE RETAINING ANGLES TO SLEEVE, DAMPER TO SLEEVE AND MULTIPLE DAMPERS ON 8" CENTER WITH 1/4" BOLTS AND NUTS OR NO.10 STEEL SCREWS. MINIMUM TWO CONNECTIONS IN EACH SIDE.
5. THIS DETAIL SHOWN FOR REFERENCE ONLY, FIRE DAMPER MANUFACTURERS INSTALLATION DETAILS AND INSTRUCTIONS AS TESTED AND APPROVED BY THE U.L. MUST BE USED IN LIEU OF THIS DETAIL WHERE APPLICABLE.
6. DIMENSION VARIES FROM 0" TO 6". PROVIDE UNOBSTRUCTED AIRFLOW WHEREVER POSSIBLE.

A6 FIRE DAMPER - CURTAIN OUT OF AIRSTREAM WITH ACCESS
NTS

GEORGIA REGISTERED No. 044771 PROFESSIONAL ENGINEER ANTHONY DERRICK ALLGOOD

01/21/2026

US Army Corps of Engineers ®

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MECHANICAL DETAILS

SHEET ID
M-506

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AIR HANDLING UNIT SCHEDULE (AHU)

TAG	SERVICE	LOCATION	DESIGN AIRFLOW (CFM)	OUTSIDE AIRFLOW (CFM)	EXTERNAL STATIC PRESSURE (IN W.C.)	TOTAL STATIC PRESSURE (IN W.C.)	SUPPLY FAN & MOTOR								COOLING COIL								REFRIGERANT	PRE-FILTER		FILTER		WEIGHT (LBS)	NOTES
							TYPE	DRIVE	VOLUME CONTROL	MIN. MOTOR HP	MOTOR RPM	MOTOR TYPE	VOLTS	PHASE	TOTAL CAPACITY (MBH)	SENSIBLE CAPACITY (MBH)	EAT DB (°F)	EAT WB (°F)	LAT DB (°F)	LAT WB (°F)	FACE VELOCITY (FPM)	MAXIMUM AIR PRESSURE DROP (IN W.C.)		MID-LIFE PRESSURE DROP (IN. W.C.)	MERV RATING	MID-LIFE PRESSURE DROP (IN. W.C.)	MERV RATING		
AHU-01	ADMIN	110 - MECHANICAL	3420	855	1.44	4.61	ECM	DIRECT	VARIABLE	6.03	2127	ODP	208	3	145	103	82.4	68.4	55	55	451	0.77	R-32	0.50	8	1.1	13	1059	1,2,3,4,5,6
AHU-02	VET / SURGERY	110 - MECHANICAL	920	230	0.38	1.98	ECM	DIRECT	VARIABLE	4.02	1999	ODP	208	3	39	27.7	82.4	68.4	55	55	315	0.31	R-32	0.56	8	1.27	13	673	1,2,4,5,6

NOTES:
1. PROVIDE WITH FACTORY DISCONNECT SWITCH.
2. PROVIDE WITH FACTORY UNIT CONTROLLER. UNIT CONTROLS SHALL BE PROVIDED WITH A BACNET COMMUNICATION CARD.
3. SUPPLY SMOKE DETECTOR PROVIDED AND INSTALLED BY DIV. 28.
4. UNIT SHALL BE PROVIDED FROM THE FACTORY WITH ALL CONTROLS ACCESSORIES WITHIN THE DASHED LINE REPRESENTING THE UNIT BOUNDARY INDICATED ON THE CONTROLS DRAWINGS. SEE SHEET M-705 & M-707.
5. UNIT CONTROLLER SHALL BE CAPABLE OF THE SEQUENCE INDICATED ON THE CONTROLS DRAWINGS. COORDINATE FACTORY UNIT CONTROLS WITH CONTROLS CONTACTOR. SEE CONTROLS DRAWINGS FOR MORE INFORMATION.
6. PROVIDE UNIT WITH MANUFACTURER'S RECOMMENDED REFRIGERANT LEAK DETECTION SYSTEM.

HEAT PUMP SCHEDULE (HP)

TAG	LOCATION	EQUIPMENT SERVED	REFRIGERANT TYPE	COOLING CAPACITY (TON)	AMBIENT DESIGN TEMP (°F)	HEATING CAPACITY (BTUH)	NUMBER OF COMPRESSORS	ELECTRICAL				NOTES
								VOLTS	PHASE	HZ	MCA	
HP-01	WEST SIDE OF BUILDING	AHU-01	R-32	12	95	160,000	1	208	3	60	60	1,2,3,5,6
HP-02	WEST SIDE OF BUILDING	AHU-02	R-32	6	95	80,000	1	208	3	60	40	1,2,3,4,6

NOTES:
1. PROVIDE WITH VARIABLE SPEED COMPRESSOR(S).
2. COMPRESSOR SHALL BE CAPABLE OF OPERATING FROM 15% TO 100% OF THE TOTAL COOLING LOAD.
3. PROVIDE ALL UNIT CONTROLS WITH A BACNET COMMUNICATION CARD.
4. MANUFACTURER SHALL SPECIFICALLY COMMENT AND CONFIRM ON SUBMITTAL THAT THE UNIT CAN OPERATE SAFELY WHEN ASSOCIATED INDOOR AIR HANDLER MODULATES DOWN TO 500 CFM.
5. MANUFACTURER SHALL SPECIFICALLY COMMENT AND CONFIRM ON SUBMITTAL THAT THE UNIT CAN OPERATE SAFELY WHEN ASSOCIATED INDOOR AIR HANDLER MODULATES DOWN TO 1385 CFM.
6. PROVIDE UNIT WITH MANUFACTURER'S RECOMMENDED REFRIGERANT LEAK DETECTION SYSTEM.

DUCTLESS SPLIT SYSTEM SCHEDULE (DSCU, DSFCU)

OUTDOOR UNIT TAG	INDOOR UNIT TAG	ROOM SERVED	COOLING TOTAL (BTUH)	HEAT PUMP HEATING CAPACITY (BTUH)	SEER	AMBIENT TEMPERATURE (°F)			REFRIGERANT	MAX. AIRFLOW (DRY CFM)	SOUND PRESSURE @ AIRFLOW (DBA)		ELECTRICAL				UNIT WEIGHT (LBS)		NOTES
						SUMMER DESIGN (DB / WB)	SUMMER MAX (DB)	WINTER MIN. (DB)			OUTDOOR UNIT	INDOOR UNIT	VOLTS	PHASE	FREQUENCY (Hz)	MCA	OUTDOOR	INDOOR	
DSCU-01	DSFCU-01	110 - MECHANICAL	12000	18000	21.1	95.6 / 77.3	115	-4	R454B	375	44	43	208	1	60	16	99	28	1,2,3,4
DSCU-02	DSFCU-02	109 - ELECTRICAL	12000	-	21.1	95.6 / 77.3	115	-4	R454B	375	44	43	208	1	60	16	99	28	1,2,3,4
DSCU-03	DSFCU-03	108 - TELECOM	24000	-	21.1	95.6 / 77.3	115	-40	R454B	775	49	45	208	1	60	22	155	46	1,2,3,4

NOTES:
1. PROVIDE WALL-MOUNTED HARD-WIRED THERMOSTAT.
2. INDOOR UNIT POWERED BY OUTDOOR UNIT.
3. PROVIDE WITH FACTORY WIND BAFFLE FOR LOW AMBIENT COOLING.
4. PROVIDE WITH WASHABLE FILTER.

LOUVER SCHEDULE (L)

TAG	LOCATION	LOUVER SIZE		DUCT CONNECTION		AIRFLOW (CFM)	FLOW DIRECTION	FREE AREA		PRESSURE DROP (IN W.C.)	NOTES
		WIDTH (IN)	HEIGHT (IN)	WIDTH (IN)	HEIGHT (IN)			AREA (SQ FT)	VELOCITY (FPM)		
L-01	113 - LOCKER ROOM	32	16	32	16	945	EXHAUST	1.47	644	0.06	1
L-02	110 - MECHANICAL	32	16	32	16	1085	INTAKE	1.47	740	0.07	1

NOTES:
1. PROVIDE WITH FACTORY BIRDSCREEN. PRESSURE DROP SHOWN INCLUDES A 17% INCREASE FOR BIRDSCREEN.

CEILING FAN SCHEDULE (CF)

TAG	AREA SERVED	DIAMETER (IN)	BLADE QUANTITY	COLOR	MATERIAL	VOLTAGE	AMPS	NOTES
CF-01	OUTDOOR KENNEL	56	3	WHITE	PAINTED STEEL	120	0.5	1

NOTES:
1. CEILING FAN SHALL BE MOISTURE RESISTANT, AND RATED FOR OUTDOOR USE.

VARIABLE AIR VOLUME BOX SCHEDULE (VAV)

TAG	AHU CONNECTION	AREA(S) SERVED	TYPE	INLET DIAMETER (IN)	COOLING DESIGN AIRFLOW (CFM)	MINIMUM COOLING AIRFLOW (CFM)	HEATING DESIGN AIRFLOW (CFM)	ELECTRIC HEATING COIL						NOTES
								EAT (°F)	LAT (°F)	AIR PRESSURE DROP (IN W.C.)	CAPACITY (KW)	VOLTAGE	PHASE	
VAV-01	AHU-01	115 - FOOD STORAGE	SHUT-OFF	6	490	150	170	55	92.92	0.21	2	208	3	1,2,3
VAV-02	AHU-01	114 - TACK ROOM	SHUT-OFF	5	255	145	170	55	92.92	0.02	2	208	3	1,2,3
VAV-03	AHU-01	116 - HALL	SHUT-OFF	5	250	75	85	55	92.92	0.02	1	208	3	1,2,3
VAV-04	AHU-01	103 - MOTHERS ROOM, 107 - MENS, 106 - UNISEX	SHUT-OFF	4	165	60	85	55	92.92	0.01	1	208	3	1,2,3
VAV-05	AHU-01	104 - MULTI-PURPOSE HANDLERS	SHUT-OFF	10	795	240	240	55	94.34	0.08	3	208	3	1,2,3
VAV-06	AHU-01	113 - LOCKER ROOM	SHUT-OFF	6	465	170	170	55	92.92	0.19	2	208	3	1,2,3
VAV-07	AHU-01	101 - CORRIDOR	SHUT-OFF	5	290	90	125	55	93.07	0.02	1.5	208	3	1,2,3
VAV-08	AHU-01	102 - KENNEL MASTER	SHUT-OFF	6	355	110	170	55	92.92	0.11	2	208	3	1,2,3
VAV-09	AHU-01	103 - TRAINER	SHUT-OFF	6	355	110	170	55	92.92	0.11	2	208	3	1,2,3

NOTES:
1. PROVIDE WITH FACTORY DISCONNECT SWITCH.
2. PROVIDE SCR CAPACITY CONTROL FOR ELECTRIC HEATING COIL.
3. PROVIDE WITH FACTORY 208/24 VOLT TRANSFORMER.

GEORGIA REGISTERED No. 044771 PROFESSIONAL ENGINEER ANTHONY DERRICK ALLGOOD

01/21/2026

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-01
FILE NAME: 189618_143139_M_Central
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DESIGN BY: LLEIBKUCHLER
DRAWN BY: LLEIBKUCHLER
CHECKED BY: G. FAUST
SUBMITTED BY: A. ALLGOOD

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MECHANICAL SCHEDULES

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DEDICATED OUTDOOR AIR SYSTEM SCHEDULE (DOAS)

TAG	SERVICE	LOCATION	OUTSIDE AIRFLOW (CFM)	EXHAUST AIRFLOW (CFM)	EXTERNAL STATIC PRESSURE (IN W.C.)	TOTAL STATIC PRESSURE (IN W.C.)	ENERGY RECOVERY																COOLING COIL							REFRIGERANT	SUPPLY (PRE-FILTER/FILTER)				EXHAUST	
							TYPE	SUMMER EXHAUST AIR TEMPERATURE DB (F°)	SUMMER EXHAUST AIR TEMPERATURE WB (F°)	SUMMER OUTSIDE AIR TEMPERATURE DB (F°)	SUMMER OUTSIDE AIR TEMPERATURE WB (F°)	SUMMER NET EFFECTIVENESS (%)	SUMMER RECOVERED LOAD (MBH)	SUMMER LEAVING AIR TEMPERATURE DB (F°)	SUMMER LEAVING AIR TEMPERATURE WB (F°)	WINTER EXHAUST AIR TEMPERATURE DB (F°)	WINTER EXHAUST AIR TEMPERATURE WB (F°)	WINTER OUTSIDE AIR TEMPERATURE DB (F°)	WINTER OUTSIDE AIR TEMPERATURE WB (F°)	WINTER NET EFFECTIVENESS (%)	WINTER RECOVERED LOAD (MBH)	WINTER LEAVING AIR TEMPERATURE DB (F°)	WINTER LEAVING AIR TEMPERATURE WB (F°)	TOTAL CAPACITY (MBH)	SENSIBLE CAPACITY (MBH)	EAT DB (°F)	EAT WB (°F)	LAT DB (°F)	LAT WB (°F)	FACE VELOCITY (FPM)	MAXIMUM AIR PRESSURE DROP (IN W.C.)		PRESSURE DROP (IN. W.C.)	MERV RATING	PRESSURE DROP (IN. W.C.)	MERV RATING	PRESSURE DROP (IN. W.C.)	MERV RATING
DOAS-01	INDOOR KENNELS	OUTDOORS	4230	3420	1	3.13	ENTHALPY WHEEL	78	63	83.6	80.3	73	176.66	80	70.5	65	58	17	12	75	246.63	46.5	43.3	177.4	130.5	83.4	68.3	55.3	55	286	0.22	R-454B	0.01	8	0.12	13	0.2	8

DEDICATED OUTDOOR AIR SYSTEM SCHEDULE (CONT.)

TAG	HOT GAS REHEAT			NATURAL GAS HEATING COIL					EXHAUST FANS								SUPPLY FAN									WEIGHT (LBS)	VOLTS	PHASE	FREQUENCY (Hz)	NOTES
	ENTERING AIR TEMPERATURE DB (°F)	LEAVING AIR TEMPERATURE DB (°F)	CAPACITY (MBH)	INPUT CAPACITY (MBH)	OUTPUT CAPACITY (MBH)	ENTERING AIR TEMPERATURE (F°)	LEAVING AIR TEMPERATURE (F°)	AIR PRESSURE DROP (IN. W.C.)	DRIVE	EXTERNAL STATIC PRESSURE (IN. W.C.)	TOTAL STATIC (IN. W.C.)	RPM	TYPE	SPEED CONTROL	BHP	HP	NO. OF FANS	DRIVE	EXTERNAL STATIC PRESSURE (IN. W.C.)	TOTAL STATIC	RPM	TYPE	SPEED CONTROL	BHP	HP	NO. OF FANS				
DOAS-01	55	80.9	118.9	250	202.5	46.5	90.6	0.35	DIRECT	0.5	1.21	1802	PLENUM	VFD	1.36	1.5	1	DIRECT	0.5	1.92	2129	PLENUM	VFD	2.28	3	1	4262	208	3	60	1,2,3,4,5,6,7,8,9

NOTES:
1. PROVIDE WITH MODULATING HOT GAS REHEAT FOR DEHUMIDIFICATION CYCLE.
2. PROVIDE WITH FACTORY DISCONNECT SWITCH.
3. PROVIDE WITH FACTORY UNIT CONTROLLER. UNIT CONTROLS SHALL BE PROVIDED WITH A BACNET COMMUNICATION CARD.
4. SUPPLY SMOKE DETECTOR PROVIDED AND INSTALLED BY DIV. 28.
5. UNIT SHALL BE PROVIDED FROM THE FACTORY WITH ALL CONTROLS ACCESSORIES WITHIN THE DASHED LINE REPRESENTING THE UNIT BOUNDARY INDICATED ON THE CONTROLS DRAWINGS. SEE SHEET M-702.
6. COMPRESSOR SHALL BE CAPABLE OF OPERATING FROM 20% TO 100% OF THE TOTAL COOLING LOAD.
7. UNIT CASING SHALL BE CONSTRUCTED OF ZINC COATED, HEAVY GAUGE, GALVANIZED STEEL. EXTERIOR SURFACES SHALL BE FINISHED WITH WEATHER-RESISTANT BAKED ENAMEL FINISH SUITABLE FOR OUTDOOR USE.
8. UNIT MUST HAVE CONNECTION POINT FOR INPUT FROM FIRE ALARM PANEL.
9. UNIT CONTROLLER SHALL BE CAPABLE OF THE SEQUENCE INDICATED ON THE CONTROLS DRAWINGS. COORDINATE FACTORY UNIT CONTROLS WITH CONTROLS CONTACTOR. SEE CONTROLS DRAWINGS FOR MORE INFORMATION.

DIFFUSER, REGISTER, & GRILLE SCHEDULE (DRG)

TAG	DESCRIPTION	MOUNTING	THROW PATTERN	BLADE DEFLECTION	BLADE SPACING (IN)	ACCESSORIES	MATERIAL	FINISH	COLOR	REMARKS	NOTES
A	24x24 SQUARE CEILING SUPPLY AIR DIFFUSER	LAY-IN / SURFACE	4-WAY	FIXED	-	-	ALUMINUM	BAKED ENAMEL	STANDARD OFF-WHITE	ROUND NECK CONNECTION AS INDICATED ON DRAWINGS	1
B	12x12 SQUARE CEILING SUPPLY AIR DIFFUSER	LAY-IN / SURFACE	4-WAY	FIXED	-	-	ALUMINUM	BAKED ENAMEL	STANDARD OFF-WHITE	ROUND NECK CONNECTION AS INDICATED ON DRAWINGS	1
C	24x24 SQUARE RETURN / EXHAUST / TRANSFER AIR GRILLE	LAY-IN / SURFACE	EGGCRATE	FIXED	1/2	-	ALUMINUM	BAKED ENAMEL	STANDARD OFF-WHITE	NECK SIZE AS INDICATED ON DRAWINGS	1
D	12x12 SQUARE RETURN / EXHAUST / TRANSFER AIR GRILLE	LAY-IN / SURFACE	EGGCRATE	FIXED	1/2	OBD	ALUMINUM	BAKED ENAMEL	STANDARD OFF-WHITE	NECK SIZE AS INDICATED ON DRAWINGS	1
E	RECTANGULAR RETURN OR EXHAUST AIR GRILLE	LAY-IN / SURFACE	2-WAY	FIXED	3/4	-	ALUMINUM	BAKED ENAMEL	STANDARD OFF-WHITE	NECK SIZE AS INDICATED ON DRAWINGS	1
F	24x24 SQUARE OUTSIDE AIR GRILLE	LAY-IN	EGGCRATE	FIXED	1/2	-	ALUMINUM	BAKED ENAMEL	STANDARD OFF-WHITE	NECK SIZE AS INDICATED ON DRAWINGS	1

NOTES:
1. COORDINATE UNIT WITH APPLICABLE NOTES AND ARCHITECTURAL PLANS. VERIFY COLOR, MOUNTING TYPE AND DIMENSIONS WITH ARCHITECTURAL WORK.

EXHAUST FAN SCHEDULE (EF)

TAG	AREA SERVED	TYPE	DRIVE TYPE	AIRFLOW (CFM)	EXTERNAL STATIC PRESSURE (IN. W.C.)	MOTOR SPEED (RPM)	SPEED CONTROL	NOMINAL HP	OPERATING (BHP)	MOTOR TYPE	VOLTS	PHASE	INLET SOUND (dBA)	WEIGHT (LBS)	NOTES
EF-01	MENS TOILET, UNISEX, TACK ROOM	CENTRIFUGAL	DIRECT	465	0.25	1725	ECM	1/6	0.05	TENV	115	1	50	51	1,6
EF-02	LOCKER ROOM	CENTRIFUGAL	DIRECT	480	0.27	1725	ECM	1/6	0.06	TENV	115	1	51	51	1,6
EF-03	QUARANTINE KENNEL	CENTRIFUGAL	DIRECT	475	0.25	1725	ECM	1/6	0.05	TENV	208	1	50	51	1,6
EF-04	OUTDOOR KENNEL	AXIAL	DIRECT	7725	0.55	1170	CONSTANT	1 1/2	1.3	TEAO	208	3	70	305	1,2,3,4,5
EF-05	OUTDOOR KENNEL	AXIAL	DIRECT	7725	0.55	1170	CONSTANT	1 1/2	1.3	TEAO	208	3	70	305	1,2,3,4,5
EF-06	INDOOR KENNEL	AXIAL	DIRECT	7725	0.691	1770	CONSTANT	2	1.9	TEAO	208	3	75	241	1,2,3,4,5

NOTES:
1. PROVIDE WITH FACTORY DISCONNECT SWITCH.
2. UNIT SHALL BE CONNECTED TO STANDBY POWER SYSTEM.
3. UNIT SHALL BE CAPABLE OF EXHAUSTING 480°F AIR/SMOKE DURING OPERATION.
4. UNIT SHALL BE UL LISTED FOR SMOKE CONTROL.
5. QFPE SHALL REVIEW AND OVERSEE THE DESIGN AND INSTALLATION OF THE SMOKE EXHAUST SYSTEM, INCLUDING SMOKE EXHAUST FANS. QFPE SHALL WITNESS AND CERTIFY TESTING OF SMOKE EXHAUST SYSTEM. SEE FIRE PROTECTION DOCUMENTS AND SPECIFICATION 28 31 76 FOR FURTHER INFO.
6. FAN SHALL HAVE FACTORY SPEED CONTOL.

GEORGIA REGISTERED No. 044771 PROFESSIONAL ENGINEER ANTHONY DERRICK ALLGOOD

01/21/2026

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

DESIGN BY: LLEIBKUCHLER
DRAWN BY: LLEIBKUCHLER
CHECKED BY: G. FAUST
SUBMITTED BY: A. ALLGOOD
SIZE: ANSI D
ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-01
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FY25, PN 69262

MECHANICAL SCHEDULES

SHEET ID
M-602

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GRAVITY HOOD SCHEDULE (GH)

TAG	LOCATION	FLOW DIRECTION	AIRFLOW (CFM)	EXTERNAL STATIC PRESSURE (IN W.C.)	THROAT SIZE		CURB SIZE		AREA (SQ. FT)	VELOCITY (FT/MIN)	WEIGHT (LBS)	NOTES
					WIDTH (IN)	LENGTH (IN)	WIDTH (IN)	LENGTH (IN)				
GH-01	120 - OUTDOOR KENNEL	EXHAUST	7725	0.101	38	38	44	44	10.03	770	129	1,2
GH-02	126 - OUTDOOR KENNEL	EXHAUST	7725	0.101	38	38	44	44	10.03	770	129	1,2
GH-03	123 - INDOOR KENNEL	EXHAUST	7725	0.101	38	38	44	44	10.03	770	129	1,2
GH-04	130 - QUARATINE VESTIBULE	EXHAUST	475	0.038	12	12	18	18	1	475	37	1,2
GH-05	123 - OUTDOOR KENNEL	INTAKE	4715	0.097	30	30	36	36	6.25	754	108	1
GH-06	129 - INDOOR QUARANTINE	INTAKE	3010	0.096	24	24	30	30	4	753	82	1

NOTES:
1. PROVIDE UNIT WITH INSECT SCREEN.
2. GRAVITY HOOD SHALL BE CAPABLE OF WITHSTANDING 480 °F TEMPERATURE DURING OPERATION.

GEORGIA REGISTERED No. 044771 PROFESSIONAL ENGINEER ANTHONY DERRICK ALLGOOD

01/21/2026

US Army Corps of Engineers ®

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LEGEND & SYMBOLS

W-X-Y-Z ##
DEVICE SYMBOL, GENERIC
USED TO REPRESENT SENSORS, INSTRUMENTS SAFETIES, AND OTHER CONTROL DEVICES W-X-Y-Z : (SEE ABBREVIATIONS AND ACRONYMS) GENERIC USAGE TO SHOW LOCATION OF DEVICE; PROCESS OR DEVICE BEING MEASURED OR CONTROLLED; SIGNAL TYPE; MODIFIERS AND OTHER APPLICATION INFORMATION

W-X-Y-Z ##
DEVICE SYMBOL, GENERIC
MULTIPLE OUTPUT DEVICE WHERE AT LEAST 1 OUTPUT IS ALWAYS SAFETY INTERLOCK

W-X-Y-Z
DDC ##
DIR
REV
DEVICE SYMBOL, CONTROLLER
DDC : DIRECT DIGITAL CONTROL
: DEVICE NUMBER
DIR : DIRECT CONTROL ACTION, OR
REV : REVERSE CONTROL ACTION
W-X-Y-Z : (SEE ABBREVIATIONS AND ACRONYMS) GENERIC USAGE TO SHOW LOCATION OF DEVICE; PROCESS OR DEVICE BEING MEASURED OR CONTROLLED; SIGNAL TYPE; MODIFIERS AND OTHER APPLICATION INFORMATION

LDP ##
LOCAL DISPLAY PANEL
= SEQUENTIAL NUMBER
(WHEN MORE THAN 1 LDP)

H L P
PRESSURE SWITCH, DIFFERENTIAL, WITH GAGE
H = HIGH PRESSURE TAP
L = LOW PRESSURE TAP
SEE "DEVICE SYMBOL, GENERIC"

RST-BUT
RESET BUTTON FOR SAFETY RESET

SMOKE DETECTOR, DUCT-MOUNTED
SEE "DEVICE SYMBOL, GENERIC"

TEMPERATURE SENSOR, AVERAGING OR TEMPERATURE LOW LIMIT / FREEZESTAT
SEE "DEVICE SYMBOL, GENERIC"

TEMPERATURE SENSOR, POINT
SEE "DEVICE SYMBOL, GENERIC"

STAT
THERMOSTAT WITH SPECIFIED I/O FUNCTIONS

AFMA
AIR FLOW MEASUREMENT ARRAY, WITH FLOW TRANSMITTER
SEE "DEVICE SYMBOL, GENERIC"

C
COIL, COOLING

DX
COIL, COOLING, DIRECT-EXPANSION

H
COIL, HEATING

PC
COIL, PRECOOL

PH
COIL, PREHEAT

FAN

FILTER

HUMIDIFIER

DAMPER, BALANCING

DAMPER, PARALLEL BLADE
NORMALLY OPEN OR CLOSED AS SHOWN

DAMPER, OPPOSED BLADE
NORMALLY OPEN OR CLOSED AS SHOWN

PUMP

M#
MOTOR

MS-#
MOTOR STARTER

CT
CURRENT TRANSDUCER/SWITCH

FM
FLOW METER

ACTUATOR, ELECTRIC

THERMOWELL IN PIPE

VALVE, BALANCING

V-##
N.C./N.O.
VALVE, WITH SPRING FAILSAFE
N.O. = NORMALLY OPEN
N.C. = NORMALLY CLOSED
= VALVE NUMBER AS SHOWN IN VALVE SCHEDULE

V-##
F.L.
VALVE
F.L. = FAIL IN LAST POSITION
= VALVE NUMBER AS SHOWN IN VALVE SCHEDULE

V-##
COM
N.O.
N.C.
VALVE, 3-WAY DIVERTING WITH SPRING FAILSAFE
N.O. = NORMALLY OPEN
N.C. = NORMALLY CLOSED
COM = COMMON PORT
= VALVE NUMBER AS SHOWN IN VALVE SCHEDULE

V-##
N.O.
COM
N.C.
VALVE, 3-WAY DIVERTING WITH SPRING RETURN FAILSAFE
N.O. = NORMALLY OPEN
N.C. = NORMALLY CLOSED
COM = COMMON PORT
= VALVE NUMBER AS SHOWN IN VALVE SCHEDULE

PP
POSITIVE POSITIONER
SEE "ACTUATOR, PNEUMATIC"

P
PRESSURE GAGE

T
TEMPERATURE GAGE

VFD
XX-C
XX-S
XX-SS
VARIABLE FREQUENCY DRIVE
XX = PROCESS/DEVICE BEING CONTROLLED
SS = START/STOP COMMAND
S = STATUS FEEDBACK (ON/OFF)
C = 4-20 mA, VDC, or SNVT CONTROL SIGNAL

CONTROL SIGNAL LINE, LOW VOLTAGE

ABBREVIATIONS & ACRONYMS

2P	TWO-POSITION (CONTROL SIGNAL)
ADJ	ADJUSTABLE/ADJUSTMENT
AFMA	AIRFLOW MEASUREMENT ARRAY
AHU	AIR HANDLING UNIT
AI	ANALOG INPUT
ALM	ALARM
AO	ANALOG OUTPUT
ASD	ADJUSTABLE SPEED DRIVE
AVE	AVERAGE
BI	BINARY INPUT
BLDG	BUILDING
BLR	BOILER
BO	BINARY OUTPUT
BUT	BUTTON
BYP	BYPASS
C	COMMAND (MODULATING CONTROL SIGNAL)
CF	CONDENSER FAN
CH	CHILLER
CHW	CHILLED WATER
CHWS	CHILLED WATER SUPPLY
CHWR	CHILLED WATER RETURN
CLD	CLOSED
CLG	COOLING
CO	CARBON MONOXIDE
CO2	CARBON DIOXIDE
COM	COMMON
COMP	COMPRESSOR
COV	CHANGE OF VALUE
CSR	CURRENT SENSING RELAY
CT	COOLING TOWER
CT	CURRENT TRANSFORMER/SWITCH
CTF	COOLING TOWER FAN
CWR	CONDENSER WATER RETURN
CWS	CONDENSER WATER SUPPLY
CW	CONDENSER WATER
D	DAMPER
DA	DISCHARGE AIR
DDC	DIRECT DIGITAL CONTROL(LER)
DEC	DECOUPLER
DIFF	DIFFERENCE
DIS	DISABLE
DISP	DISPLAY
DPT	DEW POINT TEMPERATURE
DX	DIRECT EXPANSION (UNIT)
EA	EXHAUST AIR
ECM	ELECTRICALLY COMMUTATED MOTOR
ECO	ECONOMIZER
EF	EXHAUST FAN
EFF	EFFECTIVE
EMER	EMERGENCY
ENA	ENABLE
F	FLOW
FACP	FIRE ALARM CONTROL PANEL
F.L.	FAIL IN LAST POSITION
FLT	FILTER
H2	HYDROGEN
HL	HIGH LIMIT
HTG	HEATING
HUM	HUMIDIFIER
HW	HOT WATER
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
HX	HEAT EXCHANGER
IO	INPUT/OUTPUT
IR	INFRARED
L	LEVEL
LDP	LOCAL DISPLAY PANEL
LL	LOW LIMIT
LVG	LEAVING
M	MOTOR or MAIN
M&C	MONITORING & CONTROL (SOFTWARE)
MA	MIXED AIR
MINOA	MINIMUM OUTSIDE AIR
MOIST	MOISTURE
MS	MOTOR STARTER
MUW	MAKE-UP WATER
N/A	NOT APPLICABLE
N.C.	NORMALLY CLOSED
nci	NETWORK CONFIGURATION INPUT
N.O.	NORMALLY OPEN
NVI	NETWORK VARIABLE INPUT
NVO	NETWORK VARIABLE OUTPUT
OA	OUTSIDE AIR
OCC	OCCUPIED
OPN	OPEN
OVRD	OVERRIDE
OWS	OPERATOR WORKSTATION
P	PRESSURE
PC	PRE-COOLING
PH	PREHEAT
PID	PROPORTIONAL INTEGRAL DERIVATIVE (CONTROL)
PMP	PUMP
PP	POSITIVE POSITIONER
PR	PRIMARY
PWR	POWER
R	RELAY
RA	RETURN AIR
RE	RELIEF AIR
REF	RELIEF FAN
RF	RETURN FAN
RH	RELATIVE HUMIDITY
RH	REHEAT
RM	ROOM
RQST	REQUEST
RST	RESET
S	STATUS
SA	SUPPLY AIR
SEC	SECONDARY
SF	SUPPLY FAN
SHUTDN	SHUTDOWN
SMK	SMOKE
SNVT	STANDARD NETWORK VARIABLE TYPE
SO	SHUT-OFF
SP	SETPOINT
SS	START/STOP COMMAND
STAT	THERMOSTAT
SYS	SYSTEM
SCHD	SCHEDULER
T	TEMPERATURE
TRB	TROUBLE
UNOCC	UNOCCUPIED
V	VALVE
VAV	VARIABLE AIR VOLUME
VFD	VARIABLE FREQUENCY DRIVE, SEE ASD
VIB	VIBRATION
WB	WET BULB (TEMPERATURE)
XFMR	TRANSFORMER
ZN	ZONE

"HVAC CONTROLS" GENERAL NOTES:

1. THE CONTROL DIAGRAMS AND SCHEMATICS ILLUSTRATE THE FUNCTIONAL REQUIREMENTS AND CONTROL RELATIONSHIPS, ALL ACCESSORIES AND DEVICES MAY NOT BE SHOWN IN DETAIL
2. THE SPECIFICATIONS SHOULD BE CONSULTED FOR DETAILED REQUIREMENTS.
3. BUILDING CONTROL SYSTEM SHALL BE COMPLETELY OPERATIONAL AND PERFORMANCE VERIFICATION TESTING SHALL BE COMPLETE BEFORE BUILDING COMMISSIONING CAN TAKE PLACE.

"POINTS LIST SCHEDULE" GENERAL NOTES:

1. CELLS WITH "<___>" SHALL BE DETERMINED BY THE CONTRACTOR
2. SPACES WHERE NO ENTRY IS REQUIRED CONTAIN " ~ "
3. AN ALARM PRIORITY OF CRITICAL (CRIT) INDICATES THAT THE ALARM SHALL REMAIN IN ALARM UNTIL ACKNOWLEDGED BY A SYSTEM OPERATOR AND UNTIL THE ALARM CONDITION NO LONGER EXISTS.
4. AN ALARM PRIORITY OF INFORMATIONAL (INFO) INDICATES THAT THE ALARM SHALL REMAIN IN ALARM UNTIL THE ALARM CONDITION NO LONGER EXISTS OR THE ALARM IS ACKNOWLEDGED.

GEORGIA REGISTERED No. 044771 PROFESSIONAL ENGINEER ANTHONY DERRICK ALLGOOD
01/21/2026

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

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DRAWN BY: LLEIBKUCHLER
CHECKED BY: G. FAUST
SUBMITTED BY: A. ALLGOOD
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SOLICITATION NO.: W912HN-26-B-A003
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MECHANICAL CONTROLS - LEGEND

SHEET ID
M-700

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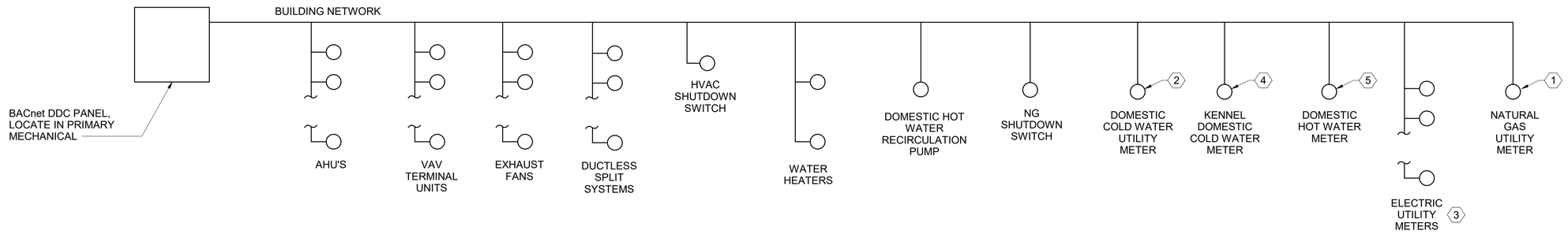

NOTES:

1. SYSTEM ARCHITECTURE IS SCHEMATIC. CONTRACTOR SHALL PROVIDE ADDITIONAL DEVICES AS REQUIRED FOR A COMPLETE AND FUNCTIONAL SYSTEM IN COMPLIANCE WITH SPECIFICATION SECTIONS 23 09 00, 23 09 13, AND 23 09 23.02.
2. CONTRACTOR IS RESPONSIBLE FOR SELECTING FINAL DETAILS OF THE ARCHITECTURE AND ENSURING THAT THE SYSTEM (DEVICES, NETWORK BINDINGS, AND NETWORK ARCHITECTURE) MEETS THE BANDWIDTH AND COMMUNICATION SPEED REQUIREMENTS SPECIFIED IN SECTIONS 23 09 00, 23 09 13, AND 23 09 23.02.
3. CONTROLS CONTRACTOR TO VERIFY THE QUANTITY AND LOCATION OF DDC CONTROL PANELS THROUGHOUT THE BUILDING NECESSARY FOR IDENTIFIED EQUIPMENT REQUIRING CONNECTION TO THE DDC CONTROLS SYSTEM.
4. COMMUNICATION RISER LINES ARE SCHEMATIC IN NATURE AND ARE NOT INTENDED TO PROVIDE ACTUAL WIRING PATHS.
5. HVAC SYSTEMS SHALL BE CONTROLLED AUTOMATICALLY BY AN ELECTRONIC DDC SYSTEM.
6. ALL SETPOINTS SHALL BE ADJUSTABLE.
7. EQUIPMENT IDENTIFIED AS BEING INTERLOCKED SHALL BE SOFTWARE INTERLOCKED THROUGH DDC SYSTEM UNLESS NOTED OTHERWISE OR INDICATED ON THE DRAWINGS.
8. PROVIDE DATA STORAGE, INTEGRAL WITH NETWORK CONTROL PANEL OR SEPARATE AS REQUIRED TO STORE HISTORICAL INFORMATION FOR A MINIMUM OF ONE YEAR TIME PERIOD.
9. LADDER DIAGRAMS AND SCHEMATICS APPEARING ON CONTRACT DRAWINGS IDENTIFIED AS "HVAC CONTROLS" ARE NOT TO BE INTERPRETTED AS ELECTRICAL DIAGRAMS.
10. THE CONTROL DIAGRAMS AND SCHEMATICS ILLUSTRATE THE FUNCTIONAL REQUIREMENTS AND CONTROL RELATIONSHIPS. ALL ACCESSORIES AND DEVICES MAY NOT BE SHOWN IN DETAIL.
11. ALL DDC DEVICES 24V AND 120V LOW VOLTAGE WIRING SHALL BE PROVIDED BY CONTROLS CONTRACTOR.
12. CONTROLS CONTRACTOR SHALL PROVIDE PORT FOR FUTURE CONNECTION OF DDC SYSTEM TO SITE-WIDE ENERGY MANAGEMENT SYSTEM.
13. CAT 6 ETHERNET PORT SHALL BE LEFT OPEN FOR DIRECT CONNECTION OF DDC SYSTEM TO A LAPTOP COMPUTER FOR TROUBLESHOOTING PURPOSES.
14. TOUCH SCREEN HUMAN-MACHINE INTERFACE SHALL BE POVIDED IN THE MAIN DDC PANEL.

KEY:

◯ NODE / CONTROLLER

⬡ KEY NOTES:

1. NATURAL GAS METER PROVIDED AND INSTALLED BY DIV. 23. SEE SHEET P-402 FOR METER LOCATION
2. DOMESTIC COLD WATER METER PROVIDED AND INSTALLED BY DIV. 22. SEE SHEET P-402 FOR METER LOCATION.
3. ELECTRICAL METERS PROVIDED AND INSTALLED BY DIV. 26. SEE SHEET EP701 FOR MORE INFORMATION.
4. DOMESTIC COLD WATER METER PROVIDED AND INSTALLED BY DIV. 22. SEE SHEET P-102 FOR METER LOCATION.
5. DOMESTIC HOT WATER METER PROVIDED AND INSTALLED BY DIV. 22. SEE SHEET P-402 FOR METER LOCATION.

SEQUENCE OF OPERATION - MONITORING OF UTILITY METERS

TYPICAL FOR ALL DOMESTIC COLD WATER, NATURAL GAS, AND ELECTRIC METERS.

DOMESTIC WATER AND NATURAL GAS METERS SHALL BE INDEPENDENT OF METERS FOR UTILITY COMPANIES. ELECTRIC METERS ARE PER DIVISION 26. CONTROLS CONTRACTOR SHALL PROVIDE COMMUNICATION CARDS AS REQUIRED TO CONNECT METERS TO BUILDING DDC.

GENERAL:
THE DDC SYSTEM SHALL MONITOR THE METER FOR CONSUMPTION ON A CONTINUAL BASIS. THESE VALUES SHALL BE MADE AVAILABLE TO THE SYSTEM AT ALL TIMES. THE OPERATOR INTERFACE SHALL DISPLAY THE CURRENT DEMAND AS WELL AS THE HISTORIES DESCRIBED BELOW.

PEAK DEMAND HISTORY:
THE DDC SYSTEM SHALL MONITOR AND RECORD THE PEAK (HIGH AND LOW) DEMAND READINGS FROM THE METER. THESE READINGS SHALL BE RECORDED ON A DAILY, MONTH-TO-DATE, AND YEAR-TO-DATE BASIS.

USAGE HISTORY:
THE DDC SYSTEM SHALL MONITOR AND RECORD METER READINGS TO PROVIDE A CONSUMPTION HISTORY. USAGE READINGS SHALL BE RECORDED ON A DAILY, MONTH-TO-DATE, AND YEAR-TO-DATE BASIS.

C1 HVAC CONTROL ARCHITECTURE
SCALE:NTS

C6 UTILITY MONITORING SEQUENCE
SCALE:NTS

POINTS LIST SCHEDULE - MISCELLANEOUS POINTS

FUNCTION	NAME	DESCRIPTION	SETTING (WITH UNITS)	RANGE (WITH UNITS)	IO TYPE	LDP AND M&C DISPLAY: LDP VIEW REQ'D	M&C: DISP REQ'D	M&C: TREND REQ'D	OVERRIDES: LDP OVRD REQ'D	OVERRIDES: M&C OVRD REQ'D	ALARMS: ALARM CONDITION (SEE NOTES)	ALARMS: ALARM PRIORITY
UTILITY METER MONITORING	DCW-CON	DOMESTIC COLD WATER CONSUMPTION	~	<____>	AI	X	X	X	~	~	~	~
	KEN-DCW-CON	KENNEL DOMESTIC COLD WATER CONSUMPTION	~	<____>	AI	X	X	X	~	~	~	~
	DHW-CON	DOMESTIC HOT WATER CONSUMPTION	~	<____>	AI	X	X	X	~	~	~	~
	NG-CON	NATURAL GAS CONSUMPTION	~	<____>	AI	X	X	X	~	~	~	~
	ELEC-CON	ELECTRICITY CONSUMPTION	~	<____>	AI	X	X	X	~	~	~	~

NOTES:
1) THE CONTRACTOR SHALL COMPLETE THE POINTS SCHEDULE AS SPECIFIED AND AS DESCRIBED IN THE GENERAL POINTS SCHEDULE NOTES.
2) UNIT MANUFACTURERS PROOFS AND SAFETIES: THE CONTRACTOR SHALL SHOW EACH PROOF AND SAFETY AS A SEPARATE ROW.
3) EACH ELECTRICAL METER SHALL HAVE POINTS FOR AMPS, KW, AND KWH.

GEORGIA REGISTERED No. 044771 PROFESSIONAL ENGINEER ANTHONY DERRICK ALLGOOD
01/21/2026

US Army Corps of Engineers ®

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MECHANICAL CONTROLS - ARCHITECTURE

SHEET ID
M-701

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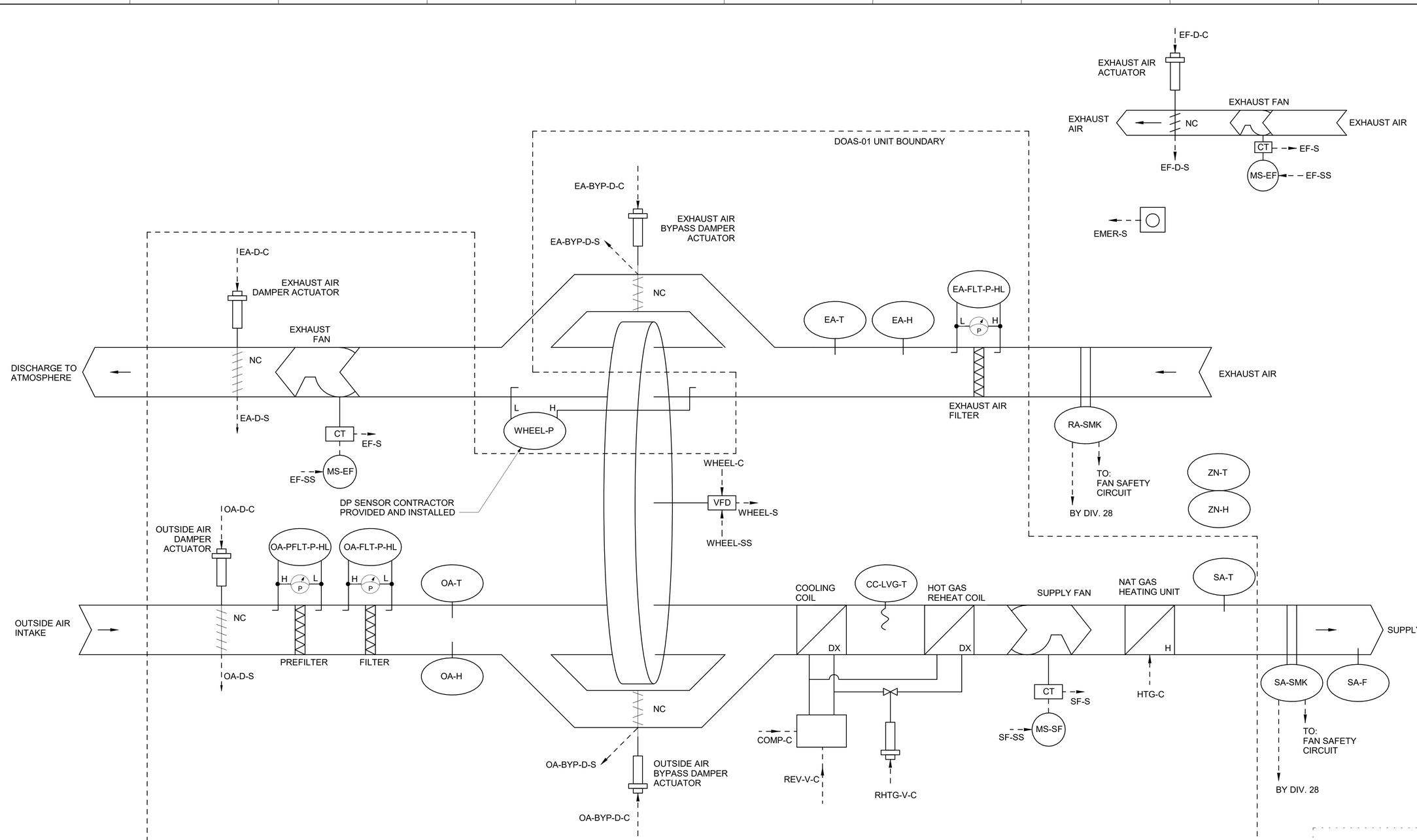

A3 CONTROLS SCHEMATIC - DOAS-01
NTS

GEORGIA REGISTERED No. 044771 PROFESSIONAL ENGINEER ANTHONY DERRICK ALLGOOD
01/21/2026

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MECHANICAL CONTROLS - DOAS-01 SCHEMATIC

SHEET ID
M-702

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SEQUENCE OF OPERATION - DOAS-01:

UNIT SHALL BE CONTROLLED BY THE DIRECT DIGITAL CONTROL (DDC) SYSTEM THROUGH FACTORY MOUNTED CONTROLLER. SEE SPECIFICATION 23 81 00 FOR CONTROLLER REQUIREMENTS.

THE FOLLOWING SEQUENCES SHALL BE PROVIDED BY THE CONTROLS CONTRACTOR:
- OFF, UNOCCUPIED, AND OCCUPIED MODE
- OPTIMAL START
- SAFETY CONTROLS

THE FOLLOWING SEQUENCES SHALL BE PROVIDED BY THE FACTORY CONTROLLER:
- HEAT/COOL MODE
- DEHUMIDIFICATION
- ENTHALPY WHEEL CONTROL
- ENTHALPY WHEEL FROST PREVENTION
- ENTHALPY WHEEL DIFFERENTIAL PRESSURE ALARM
- SUPPLY AND EXHAUST FAN
- FILTER STATUS

FINAL DELINEATION OF SEQUENCES AND ASSOCIATED HARDWARE REQUIREMENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE COORDINATED WITH THE UNIT MANUFACTURER AND CONTROLS CONTRACTOR PRIOR TO PURCHASE AND INSTALLATION. SEE SPECIFICATION 23 81 00 FOR SUBMITTAL REQUIRMENTS.

EF-03
INTERLOCK WITH DOAS-01. WHEN THE EXHAUST FAN IS COMMANDED ON THE EXHAUST DAMPER SHALL FIRST OPEN BEFORE ENERGIZING THE FAN. AFTER THE EXHAUST FAN IS COMMANDED OFF AND THE FAN IS DE-ENERGIZED THE EXHAUST DAMPER SHALL CLOSE.

OFF:
THE SUPPLY FAN AND EXHAUST FAN SHALL BE OFF. THE OUTSIDE AIR AND EXHAUST AIR DAMPERS SHALL CLOSE AND THE ENTHALPY WHEEL SHALL BE DISABLED. HEAT PUMP AND NATURAL GAS HEATING UNIT SHALL BE OFF.

INTERLOCKED EXHAUST FAN SHALL BE OFF.

UNOCCUPIED:
IF THE ZONE TEMPERATURE FALLS BELOW THE UNOCCUPIED HEATING TEMPERATURE SETPOINT OR RISES ABOVE THE UNOCCUPIED COOLING TEMPERATURE SETPOINT, THE SUPPLY AND EXHAUST FANS SHALL ENERGIZE AND OPERATE AS DESCRIBED IN "OCCUPIED MODE." THE DX COOLING COIL SHALL OPERATE AS DESCRIBED IN "OCCUPIED MODE". THE NATURAL GAS HEATING UNIT SHALL OPERATE AS DESCRIBED IN "OCCUPIED MODE". ONCE THE ZONE TEMPERATURE IS SATISFIED, THE SUPPLY FAN AND EXHAUST FANS SHALL DE-ENERGIZE AND THE DX COOLING COIL, NATURAL GAS HEATING UNIT SHALL TURN OFF, AND THE INTERLOCKED EXHAUST FAN SHALL BE OFF.

OPTIMAL START:
THE SCHEDULED OCCUPIED TIME, OCCUPIED ZONE SETPOINTS AND ZONE TEMPERATURE SHALL BE MONITORED TO CALCULATE WHEN THE OPTIMAL START OCCURS.

OCCUPIED MODE:
DURING OCCUPIED PERIODS, THE SUPPLY AND EXHAUST FANS SHALL RUN CONTINUOUSLY. THE DISCHARGE AIR TEMPERATURE SETPOINT SHALL BE DYNAMICALLY RESET BASED ON THE DEVIATION OF ACTUAL SPACE TEMPERATURE FROM THE ACTIVE SPACE TEMPERATURE SETPOINT.

INTERLOCKED EXHAUST FAN SHALL BE ON.

HEAT/COOL MODE:
WHEN THE ZONE TEMPERATURE RISES ABOVE THE OCCUPIED COOLING SETPOINT PLUS DEADBAND THE MODE SHALL TRANSITION TO COOLING. THE DX COOLING COIL SHALL MODULATE TO MAINTAIN THE COOLING SUPPLY AIR TEMPERATURE AT SETPOINT, THE NATURAL GAS HEATING COIL SHALL BE OFF. WHEN THE ZONE TEMPERATURE FALLS BELOW THE OCCUPIED HEATING SETPOINT MINUS DEADBAND THE MODE SHALL TRANSITION TO HEATING. THE NATURAL GAS HEATING COIL SHALL MODULATE TO MAINTAIN THE HEATING SUPPLY AIR TEMPERATURE AT SETPOINT, THE DX COOLING COIL SHALL BE OFF. WHEN THE ZONE TEMPERATURE IS ABOVE THE OCCUPIED COOLING SETPOINT OR BELOW THE OCCUPIED HEATING SETPOINT THE MODE SHALL REMAIN IN ITS LAST STATE. IF THE ZONE TEMPERATURE SENSOR FAILS THE MODE SHALL REMAIN IN ITS LAST STATE AND AN ALARM SHALL ANNUNCIATE. IF THE LOCAL AND COMMUNICATED SETPOINTS FAIL THE CONTROLLER SHALL DISABLE THE UNIT AND AN ALARM SHALL ANNUNCIATE.

DEHUMIDIFICATION:
IF THE ZONE DRYBULB SETPOINT IS MET AND THE RETURN AIR RELATIVE HUMIDITY RISING ABOVE 55% RELATIVE HUMIDITY, THE UNIT SHALL ENTER A DEHUMIDIFICATION CYCLE. THE DX COOLING COIL SHALL MODULATE TO MAINTAIN A COOLING COIL LEAVING AIR TEMPERATURE OF 55°F (ADJ). THE HOT GAS REHEAT COIL SHALL MODULATE TO MAINTAIN SPACE TEMPERATURE SETPOINT. THE GAS HEATING COIL SHALL BE OFF. UPON THE RETURN AIR RELATIVE HUMIDITY DROPPING BELOW 45% RELATIVE HUMIDITY, THE UNIT SHALL EXIT THE DEHUMIDIFICATION CYCLE AND RETURN TO NORMAL OPERATION.

ENTHALPY WHEEL:
ENTHALPY WHEEL CONTROL: THE ENTHALPY WHEEL SHALL BE ENABLED WHENEVER THE SUPPLY AND EXHAUST FANS ARE ENABLED. THE ENTHALPY WHEEL SPEED SHALL BE MODULATED TO OPTIMIZE ENERGY RECOVERY BASED ON DRY BULB AND WET BULB TEMPERATURES. THE ENTHALPY WHEEL SPEED AND BYPASS DAMPERS SHALL BE MODULATED SUCH THAT THE SUPPLY AIR TEMPERATURE AND/OR ENTHALPY IS NOT INCREASED WHILE IN COOLING MODE. THE ENTHALPY WHEEL SPEED AND BYPASS DAMPERS SHALL BE MODULATED SUCH THAT THE SUPPLY AIR ENTHALPY IS NOT INCREASED WHILE IN DEHUMIDIFICATION MODE. IN THE CASE OF WHEEL FAILURE, THE BYPASS DAMERS SHALL BE OPENED AND THE UNIT SHALL ENTER BYPASS MODE.

ENTHALPY WHEEL FROST PREVENTION: IF THE DIFFERENTIAL PRESSURE ACROSS THE ENTHALPY WHEEL RISES ABOVE THE ENTHALPY WHEEL HIGH LIMIT PRESSURE SETPOINT AND THE OUTSIDE AIR TEMPERATURE IS AT OR BELOW 32°F (ADJ), UNIT SHALL ENTER FROST PREVENTION MODE. THE ENTHALPY WHEEL SHALL CONTINUE TO ROTATE AND THE OUTSIDE AIR BYPASS DAMPER SHALL FULLY OPEN. WHEN THE DIFFERENTIAL PRESSURE ACROSS THE ENTHALPY WHEEL FALLS BELOW THE ENTHALPY WHEEL HIGH LIMIT PRESSURE SETPOINT FOR AT LEAST 10 MINUTES (ADJ), THE UNIT SHALL EXIT FROST PREVENTION MODE AND RETURN TO NORMAL OPERATION.

ENTHALPY WHEEL DIFFERENTIAL PRESSURE ALARM: IF THE DIFFERENTIAL PRESSURE ACROSS THE ENTHALPY WHEEL RISES ABOVE THE ENTHALPY WHEEL HIGH LIMIT PRESSURE SETPOINT AND THE OUTSIDE AIR TEMPERATURE IS ABOVE 32°F (ADJ), AN ALARM SHALL BE INITIATED TO SHOW DIRTY ENTHALPY WHEEL.

SUPPLY AND EXHAUST FANS:
THE UNIT CONTROLLER SHALL ENABLE THE SUPPLY AND EXHAUST FANS IN ALL COOLING AND HEATING MODES.

FILTER STATUS:
A DIFFERENTIAL PRESSURE SWITCH SHALL MONITOR THE DIFFERENTIAL PRESSURE ACROSS THE FILTER(S) WHEN THE FAN IS RUNNING. IF THE SWITCH CLOSES DURING NORMAL OPERATION A DIRTY FILTER ALARM SHALL ANNUNCIATE.

SAFETY CONTROLS:
FAN FAILURE: IF THE SUPPLY FAN FAILS TO PROVE STATUS FOR 30 SECONDS (ADJ), THE FAN SHALL BE COMMANDED OFF, THE OUTSIDE AIR DAMPER SHALL CLOSE AND RETURN AIR DAMPER SHALL OPEN, DX COOLING COIL AND NATURAL GAS HEATING UNIT SHALL DISABLE, AND AN ALARM SHALL BE ANNUNCIATED. A MANUAL RESET IS REQUIRED TO RESTART THE FAN AFTER THREE (ADJ) FAILED ATTEMPTS TO AUTOMATICALLY RESTART.

HIGH TEMPERATURE LIMIT SWITCH: WHEN THE DISCHARGE AIR TEMPERATURE EXCEEDS 130°F (ADJ), THE UNIT SHALL GO INTO OFF MODE, THE NATURAL GAS HEATING COIL SHALL DEENERGIZE, AND AN ALARM SHALL BE ANNUNCIATED AT THE UNIT.

SMOKE DETECTOR: IF THE SUPPLY OR RETURN AIR SMOKE DETECTOR SENSES SMOKE IN THE DUCTWORK, THE FIRE ALARM SYSTEM SHALL DISABLE FANS, THE UNIT SHALL GO INTO "OFF" MODE, AND AN ALARM SHALL BE SENT TO THE DDC SYSTEM.

SMOKE EXHAUST: UPON RECEIVING SIGNAL FROM THE FIRE ALARM CONTROL PANEL TO ACTIVATE SMOKE EXHAUST OR WHEN EF-06 IS ACTIVATED, THE UNIT SHALL GO INTO "OFF" MODE. THIS MODE SHALL TAKE PRECEDENCE OVER ALL OTHER MODES.

HVAC SYSTEM EMERGENCY SHUTDOWN: WHEN THE HVAC SYSTEM EMERGENCY SHUTDOWN SWITCH IS PRESSED, DOAS SUPPLY AND EXHAUST FANS SHALL STOP AND UNIT SHALL GO INTO OFF MODE.

SETPOINTS:
SPACE COOLING SETPOINT = 78°F +/- 3°F DEADBAND
SPACE HEATING SETPOINT = 65°F +/- 3°F DEADBAND
UNOCCUPIED SPACE COOLING SETPOINT = 85°F
UNOCCUPIED SPACE HEATING SETPOINT = 55°F
SUPPLY AIR TEMPERATURE COOLING SETPOINT = 55°F
SUPPLY AIR TEMPERATURE HEATING SETPOINT = 95°F
HIGH/LOW SUPPLY AIR TEMPERATURE ALARM LIMITS SETPOINT = +/-5°F
DIRTY FILTER ALARM SETPOINT = CLEAN FILTER + 0.75 IN H20 (ADJ)
DOAS-01 SUPPLY AIR FLOW SETPOINT = SEE SCHEDULE
DOAS-01 OUTSIDE AIR FLOW SETPOINT = SEE SCHEDULE

POINTS LIST SCHEDULE - DOAS-01

						LDP AND M&C DISPLAY			OVERRIDES		ALARMS	
FUNCTION	NAME	DESCRIPTION	SETTING (WITH UNITS)	RANGE (WITH UNITS)	IO TYPE	LDP VIEW REQ'D	M&C DISP REQ'D	M&C TREND REQ'D	LDP OVRD REQ'D	M&C OVRD REQ'D	ALARM CONDITION (SEE NOTES)	ALARM PRIORITY
PROOFS & SAFETIES	SF-S***	SUPPLY FAN STATUS	~	ON/OFF	BI	X	X	X	~	~	WHEEL PROOF FAILED	INFO
	EF-S***	EXHAUST FAN STATUS	~	ON/OFF	BI	X	X	X	~	~	EXHAUST FAN PROOF FAILED	INFO
	WHEEL-S***	ENERGY RECOVERY WHEEL STATUS	~	ON/OFF	BI	X	X	~	~	~	WHEEL PROOF FAILED	INFO
	OA-D-S***	OUTSIDE AIR DAMPER POSITION STATUS	~	OPEN/CLOSED	BI	X	X	X	~	~	DAMPER STATUS OPPOSITE OF DAMPER COMMAND	INFO
	EA-D-S***	EXHAUST AIR DAMPER POSITION STATUS	~	OPEN/CLOSED	BI	X	X	X	~	~	DAMPER STATUS OPPOSITE OF DAMPER COMMAND	INFO
	EA-BYP-D-S***	EXHAUST AIR BYPASS DAMPER STATUS	~	OPEN/CLOSED	BI	X	X	X	~	~	DAMPER STATUS OPPOSITE OF DAMPER COMMAND	INFO
	SA-SMK	SUPPLY AIR SMOKE	~	ALM/NORMAL	BI	~	~	~	~	~	ALM	CRIT
	RA-SMK	RETURN AIR SMOKE	~	ALM/NORMAL	BI	~	~	~	~	~	ALM	CRIT
	OA-BYP-D-S***	OUTSIDE AIR BYPASS DAMPER STATUS		OPEN/CLOSED	BI	X	X	X	~	~	DAMPER STATUS OPPOSITE OF DAMPER COMMAND	INFO
START / STOP	SF-SS***	SUPPLY FAN START/STOP	~	ON/OFF	BO	X	X	X	X	X	~	~
	OA-D-C***	OUTSIDE AIR DAMPER COMMAND	~	OPEN/CLOSED	BO	X	X	X	X	X	~	~
	EF-SS***	EXHAUST FAN START/STOP	~	ON/OFF	BO	X	X	X	X	X	~	~
	WHEEL-SS***	ENERGY RECOVERY WHEEL START/STOP	~	ON/OFF	BO	X	X	~	~	X	~	~
	EA-BYP-D-C***	EXHAUST AIR BYPASS DAMPER COMMAND	~	OPEN/CLOSED	BO	X	X	X	X	X	~	~
	OA-BYP-D-C***	HEAT EXCHANGER BYPASS DAMPER COMMAND	~	OPEN/CLOSED	BO	X	X	X	X	X	~	~
	EA-D-C***	EXHAUST AIR DAMPER COMMAND	~	OPEN/CLOSED	BO	X	X	X	X	X	~	~
SUPPLY AIR CONTROL	ZN-T	ZONE TEMPERATURE**	~	<___>°F	AI	~	X	X	~	~	**ZN-T 2 DEG F MORE THAN ZN-T-SP-CLG OR LESS THAN...	INFO
	ZN-T-SP	ZONE TEMPERATURE SETPOINT (CLG/HTG)	78/65 °F	~	~	~	X	~	X	X	~	~
	ZN-H	ZONE HUMIDITY	~	0-100%	AI	~	X	X	~	~	ZN-H MORE THAN ZN-H-SP	
	ZN-H-SP	ZONE HUMIDITY SETPOINT	55%	~	~	~	X	~	X	X	~	~
	OA-T***	OUTSIDE AIR TEMPERATURE	~	<___>°F	AI	X	X	X	~	~	~	~
	OA-H***	OUTSIDE AIR RELATIVE HUMIDITY	~	<___>°F	AI	X	X	X	~	~	~	~
	WHEEL-C***	ENERGY RECOVERY WHEEL SPEED COMMAND	~	~	AO	X	X	~	X	X	~	~
	CC-LVG-T***	COOLING COIL LEAVING TEMPERATURE	~	<___>°F	AI	X	X	X	~	~	~	~
	CC-LVG-T-SP***	COOLING COIL LEAVING TEMPERATURE SETPOINT	55°F	~	~	X	X	~	X	X	~	~
	RHTG-V-C***	HOT GAS REHEAT VALVE COMMAND	~	0-100%	AO	X	X	X	X	X	~	~
	COMP-C***	COMPRESSOR COMMAND	~	0-100%	AO	X	X	~	~	X	~	~
	REV-V-C***	REVERSING VALVE COMMAND	~	HEAT/COOL	BO	~	~	~	~	~	~	~
	HTG-C***	NATURAL GAS HEATING UNIT COMMAND	~	0-100%	AO	X	X	X	X	X	~	~
	SA-T***	SUPPLY AIR TEMPERATURE	~	<___>°F	AI	X	X	X	~	~	*SA-T DOES NOT EQUAL SA-T-SP ± 5 DEG F	INFO
	SA-T-CLG-SP***	SUPPLY AIR TEMPERATURE COOLING SETPOINT	~	55°F	~	X	X	X	~	X	~	~
	SA-T-HTG-SP***	SUPPLY AIR TEMPERATURE HEATING SETPOINT	~	95°F	~	X	X	X	~	X	~	~
	SA-F***	SUPPLY AIR FLOW RATE	~	<___> CFM	AI	X	X	X	~	~	~	~
EXHAUST AIR CONTROL	EA-T***	EXHAUST AIR TEMPERATURE	~	<___>°F	AI	X	X	X	~	~	~	~
	EA-H***	EXHAUST AIR RELATIVE HUMIDITY	~	<___>°F	AI	X	X	X	~	~	~	~
OTHER POINTS	OA-PFLT-P-HL***	OUTSIDE AIR PREFILTER PRESSURE HIGH LIMIT SWITCH	CLEAN + 1 IN. WG.	ALM/NORMAL	BI	X	X	~	~	~	ALM	INFO
	OA-FLT-P-HL***	OUTSIDE AIR FILTER PRESSURE HIGH LIMIT SWITCH	CLEAN + 1 IN. WG.	ALM/NORMAL	BI	X	X	~	~	~	ALM	INFO
	EA-FLT-P-HL***	EXHAUST AIR FILTER PRESSURE HIGH LIMIT SWITCH	CLEAN + 1 IN. WG.	ALM/NORMAL	BI	X	X	~	~	~	ALM	INFO
	WHEEL-P	WHEEL PRESSURE DIFFERENTIAL	~	<___>	AI	X	X	~	~	~	~	~
	WHEEL-P-HL-SP	WHEEL PRESSURE DIFFERENTIAL HIGH LIMIT SETPOINT	1 IN. WG.	~	~	X	X	~	~	X	~	~
	EMER-S	EMERGENCY SHUTDOWN	~	ALM/NORMAL	AI	X	X	X	~	~	ALM	CRIT

NOTES:
1) THE CONTRACTOR SHALL COMPLETE THE POINTS SCHEDULE AS SPECIFIED AND AS DESCRIBED IN THE GENERAL POINTS SCHEDULE NOTES ON THE CONTROLS LEGEND DRAWING.
2) UNIT MANUFACTURERS PROOFS AND SAFETIES: THE CONTRACTOR SHALL SHOW EACH PROOF AND SAFETY AS A SEPARATE ROW.
3) SYS-OCC: OVERRIDE OF SYS-OCC IS ACCOMPLISHED THROUGH THE SYSTEM SCHEDULER.
4) ALARM CONDITIONS MARKED WITH AN ASTERISK (*) SHALL BE ACTIVE ONLY WHEN THE SYSTEM IS IN OCCUPIED MODE AND HAS BEEN IN OCCUPIED MODE FOR MORE THAN: * = 5 MINUTES ** = 30 MINUTES
5) CONTRACTOR SHALL PROVIDE ADDITIONAL COLUMNS ON CONTRACTOR POINTS LIST AS REQUIRED BY SPECIFICATION 23 09 00.
6) POINTS MARKED WITH THREE ASTERISK (***) SHALL BE PROVIDED BY THE FACTORY CONTROLLER ALL OTHER POINTS SHALL BE THE RESPONSIBILITY OF THE CONTROLS CONTRACTOR.

GEORGIA REGISTERED No. 044771 PROFESSIONAL ENGINEER ANTHONY DERRICK ALLGOOD
01/21/2026

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

DESIGN BY: LLEIBKUCHLER
DRAWN BY: LLEIBKUCHLER
CHECKED BY: G. FAUST
SUBMITTED BY: A. ALLGOOD
SIZE: ANSI D
ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-01
FILE NAME: 18968.18_143139_M_Central

U.S. ARMY CORPS OF ENGINEERS
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MECHANICAL CONTROLS - DOAS-01 SEQUENCE & POINTS LIST

SHEET ID
M-703

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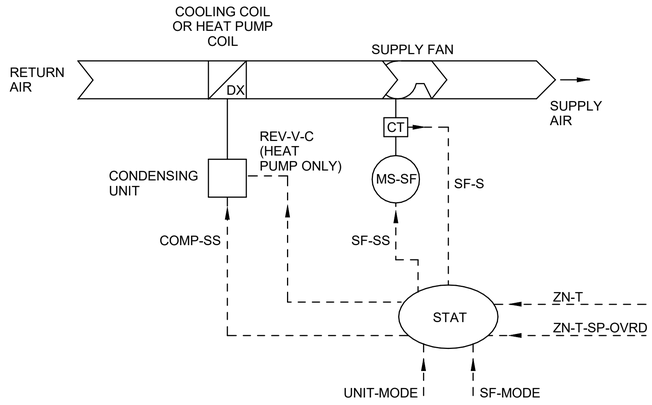

E1 DUCTLESS SPLIT SYSTEM CONTROL SCHEMATIC
NTS

SEQUENCE OF OPERATION - DUCTLESS SPLIT SYSTEM

DSFCU-01 (HEAT PUMP)
DSFCU-02, DSFCU-03 (COOLING ONLY)

GENERAL:
THE UNIT SHALL BE CONTROLLED BY INTEGRAL CONTROLS. UNIT MODE (COOL/AUTO) AND SUPPLY FAN MODE (ON/OFF/AUTO) SHALL BE USER CONFIGURABLE AT THE UNIT.

SYSTEM SHALL HAVE THE FOLLOWING MODES OF OPERATION: OFF AND ON.

OFF:
OFF MODE SHALL BE DETERMINED BY REMOTE SIGNAL FROM THE DDC SYSTEM OR USER INPUT AT THE UNIT.

THE SUPPLY FAN SHALL BE DE-ENERGIZED. THE COMPRESSOR SHALL BE DE-ENERGIZED.

ON:
ON MODE SHALL BE AS DETERMINED BY REMOTE SIGNAL FROM THE DDC SYSTEM OR USER INPUT AT THE UNIT.

FAN CONTROL: THE SUPPLY FAN MODE SHALL BE AUTO. THE SUPPLY FAN SHALL CYCLE ON WHEN THE ZONE TEMPERATURE IS ABOVE THE COOLING SETPOINT (COOLING ONLY) OR BELOW THE HEATING SETPOINT (HEAT PUMPS).

SPACE TEMPERATURE CONTROL:
COOLING ONLY: THE TEMPERATURE CONTROL MODE SHALL BE COOL. THE COMPRESSOR SHALL CYCLE TO MAINTAIN ZONE AT COOLING TEMPERATURE SETPOINT. TO PREVENT SHORT CYCLING THERE SHALL BE A MINIMUM ON/OFF CYCLE TIME.

HEAT PUMP: UPON A FALL IN ZONE TEMPERATURE BELOW THE HEATING SETPOINT, THE REVERSING VALVE SHALL CHANGE TO HEATING MODE AND CONDENSING UNIT SHALL MODULATE CAPACITY TO MAINTAIN ZONE TEMPERATURE. UPON A RISE IN ZONE TEMPERATURE ABOVE THE HEATING SETPOINT THE UNIT SHALL CYCLE OFF. TO PREVENT SHORT CYCLING, THERE WILL BE A MINIMUM ON/OFF CYCLE TIME.

ZONE TEMPERATURE SETPOINT ADJUST: THE OCCUPANT SHALL BE ABLE TO ADJUST THE ZONE TEMPERATURE SETPOINT COOLER OR WARMER AT THE UNIT. ZONE THERMOSTAT SHALL BE HARDWIRED TO UNIT.

SAFETY CONTROLS:
THE UNIT SHALL RUN SUBJECT TO INTERNAL SAFETIES.

POINTS LIST SCHEDULE - DUCTLESS SPLIT SYSTEM

FUNCTION	NAME	DESCRIPTION	SETTING (WITH UNITS)	RANGE (WITH UNITS)	IO TYPE	LDP AND M&C DISPLAY: LDP VIEW REQ'D	M&C: DISP REQ'D	M&C: TREND REQ'D	OVERRIDES: LDP OVRD REQ'D	OVERRIDES: M&C OVRD REQ'D	ALARMS: ALARM CONDITION (SEE NOTES)	ALARM PRIORITY
PROOFS & SAFETIES	SF-S	SUPPLY FAN STATUS	~	ON/OFF	BI	X	~	~	~	~	SUPPLY FAN PROOF FAILED	INFO
START / STOP	SYS-ON	ON INPUT (FROM SYSTEM SCHEDULER)	~	<___>	NVI	X	X	~	SEE NOTES		~	~
	UNIT-MODE	TEMPERATURE CONTROL MODE	~	COOL/HEAT/AUTO	~	X	~	~	X	~	~	~
	SF-MODE	SUPPLY FAN OPERATING MODE	~	ON/OFF/AUTO	~	X	~	~	X	~	~	~
ZONE TEMPERATURE CONTROL	ZN-T	ZONE TEMPERATURE **	~	<___>	AI	X	X	X	~	~	** ZN-T 2 DEG F MORE THAN ZN-T-SP-CLG	INFO
	ZN-T-SP	ZONE TEMPERATURE SETPOINT (CLG/HTG)	76/68 DEG	~	~	X	X	~	X	X	~	~
	ZN-T-SP-OVRD	ZONE TEMPERATURE SETPOINT OVERRIDE	OCCUPANT ADJUSTABLE	<___>	AI	X	X	~	X	~	~	~
	SF-SS	SUPPLY FAN START/STOP	~	ON/OFF	BO	X	~	~	X	~	~	~
	REV-V-C	REVERSING VALVE COMMAND	~	HEAT/COOL	BO	~	~	~	~	~	~	~
	COMP-SS	COMPRESSOR (PKGD UNIT) START/STOP	~	ON/OFF	BO	X	~	~	~	~	~	~

NOTES:
1) THE CONTRACTOR SHALL COMPLETE THE POINTS SCHEDULE AS SPECIFIED AND AS DESCRIBED IN THE GENERAL POINTS SCHEDULE NOTES ON THE CONTROLS LEGEND DRAWING.
2) UNIT MANUFACTURERS PROOFS AND SAFETIES: THE CONTRACTOR SHALL SHOW EACH PROOF AND SAFETY AS A SEPARATE ROW.
3) SYS-ON: OVERRIDE OF SYS-ON IS ACCOMPLISHED THROUGH THE SYSTEM SCHEDULER.
4) ALARM CONDITIONS MARKED WITH AN ASTERISK (*) SHALL BE ACTIVE ONLY WHEN THE SYSTEM IS IN OCCUPIED MODE AND HAS BEEN IN OCCUPIED MODE FOR MORE THAN: * = 5 MINUTES ** = 30 MINUTES
5) CONTRACTOR SHALL PROVIDE ADDITIONAL COLUMNS ON CONTRACTOR POINTS LIST AS REQUIRED BY SPECIFICATION 23 09 00.

GEORGIA REGISTERED No. 044771 PROFESSIONAL ENGINEER ANTHONY DERRICK ALLGOOD
01/21/2026

US Army Corps of Engineers ®

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MECHANICAL CONTROLS - DUCTLESS SPLIT SYSTEM

SHEET ID
M-704

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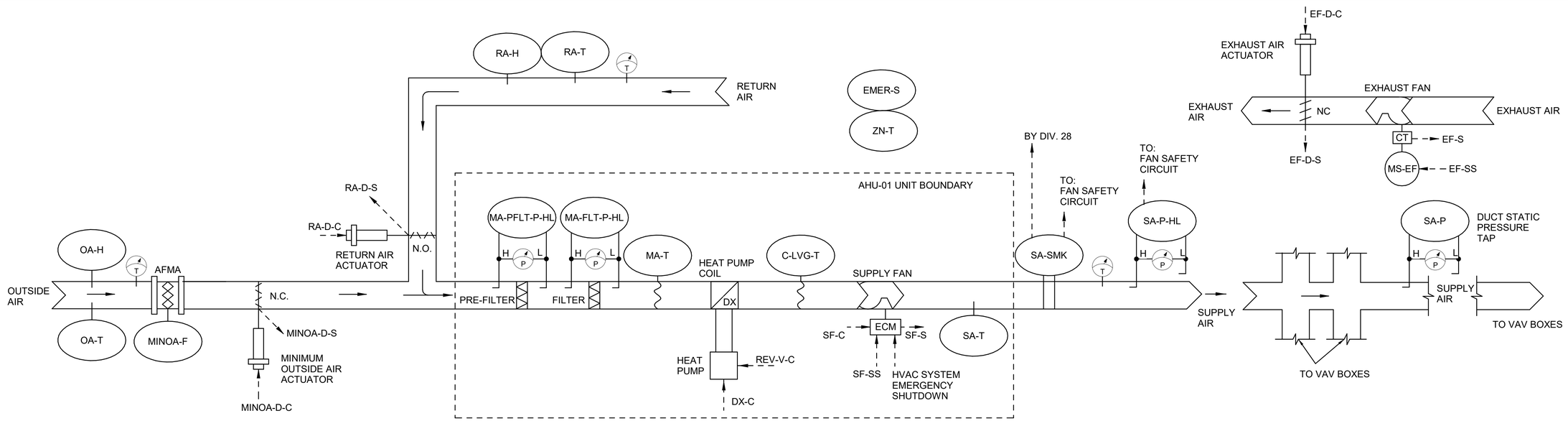

SEQUENCE OF OPERATION - AHU-01

AHU-01 SHALL BE CONTROLLED BY THE DDC SYSTEM AND THE FACTORY MOUNTED CONTROLLER. SEE SPECIFICATION 23 81 00 FOR CONTROLLER REQUIREMENTS.

THE FOLLOWING SEQUENCES SHALL BE PROVIDED BY THE CONTROLS CONTRACTOR:
- OFF, UNOCCUPIED, AND OCCUPIED MODE
- OPTIMAL START, COOL DOWN, AND WARM UP
- DUCT STATIC PRESSURE SETPOINT REST
- MINIMUM OUTSIDE AIR CONTROL
- DEHUMIDIFICATION
- OUTSIDE AIR FLOW MONITORING
- SAFETY CONTROLS

THE FOLLOWING SEQUENCES SHALL BE PROVIDED BY THE FACTORY CONTROLLER:
- SUPPLY FAN CONTROL
- TEMPERATURE CONTROL
- FILTER MONITORING

FINAL DELINEATION OF SEQUENCES AND ASSOCIATED HARDWARE REQUIREMENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE COORDINATED WITH THE UNIT MANUFACTURER AND CONTROLS CONTRACTOR PRIOR TO PURCHASE AND INSTALLATION. SEE SPECIFICATION 23 81 00 FOR SUBMITTAL REQUIRMENTS.

EF-01 & EF-02
INTERLOCK WITH AHU-01. WHEN THE EXHAUST FAN IS COMMANDED ON THE EXHAUST DAMPER SHALL FIRST OPEN BEFORE ENERGIZING THE FAN. AFTER THE EXHAUST FAN IS COMMANDED OFF AND THE FAN IS DE-ENERGIZED THE EXHAUST DAMPER SHALL CLOSE.

GENERAL:
THE HVAC SYSTEM SHALL HAVE THE FOLLOWING MODES OF OPERATION: OFF, UNOCCUPIED, WARM-UP, COOL-DOWN, AND OCCUPIED.

OFF:
THE AHU SUPPLY FAN SHALL BE OFF. MINIMUM OA DAMPER SHALL BE CLOSED. RETURN AIR DAMPER SHALL BE OPEN.

INTERLOCKED EXHAUST FAN(S) SHALL BE OFF.

UNOCCUPIED:
UNOCCUPIED MODE SHALL BE INITIATED BY THE DDC.

INTERLOCKED EXHAUST FAN(S) SHALL BE OFF.

THE AHU SUPPLY FAN SHALL BE OFF SUBJECT TO ZONE TEMPERATURES.

THE DX COIL SHALL BE OFF SUBJECT TO ZONE TEMPERATURES.

THE MINIMUM OUTSIDE AIR DAMPER SHALL ALL BE CLOSED. THE RETURN AIR DAMPER SHALL BE OPEN.

IF THE AVERAGE ZONE TEMPERATURE FALLS BELOW THE UNOCCUPIED HEATING TEMPERATURE SETPOINT OR RISES ABOVE THE UNOCCUPIED COOLING TEMPERATURE SETPOINT (DETERMINED BY POLLING VAV TERMINAL UNITS) OR ANY OF THE ASSOCIATED VAV TERMINAL UNITS' UNOCCUPIED OVERRIDE BUTTONS ARE PRESSED, THE SUPPLY FAN SHALL ENERGIZE AND OPERATE AS DESCRIBED IN "OCCUPIED MODE." DUCT STATIC PRESSURE SETPOINT RESET SHALL BE DISABLED.

THE DX COIL SHALL OPERATE AS DESCRIBED IN "OCCUPIED MODE". ONCE ALL ZONE TEMPERATURES ARE SATISFIED OR THE OCCUPANCY OVERRIDE TIMER EXPIRES, THE SUPPLY FAN SHALL DE-ENERGIZE AND THE DX COIL SHALL TURN OFF. OUTSIDE AIR DAMPER SHALL REMAIN CLOSED WHILE THE RETURN AIR DAMPER SHALL REMAIN OPEN.

OPTIMAL START:
AN OPTIMAL START PROGRAM SHALL START THE UNIT AT THE LATEST POSSIBLE TIME TO REACH THE DESIRED OCCUPIED SPACE TEMPERATURE SETPOINT AT OCCUPANCY TIME. AT THIS START TIME THE UNIT SHALL GO INTO WARM-UP OR COOL-DOWN MODE AS DESCRIBED BELOW. WHEN ALL VAV TERMINAL UNITS HAVE SATISFIED THE OCCUPIED ZONE TEMPERATURE SETPOINTS THE UNIT SHALL GO INTO OCCUPIED MODE. WARM-UP OR COOL-DOWN SHALL OCCUR A MAXIMUM OF ONCE A DAY.

COOL-DOWN:
IF THE AVERAGE ZONE TEMPERATURE IS ABOVE THE OCCUPIED ZONE TEMPERATURE SETPOINT (DETERMINED BY POLLING VAV TERMINAL UNITS), THE SUPPLY FAN SHALL BE ENERGIZED AND BE CONTROLLED AS DESCRIBED IN "OCCUPIED" MODE. THE MINIMUM OUTSIDE AIR DAMPER SHALL BE CLOSED AND THE RETURN AIR DAMPER SHALL BE FULLY OPEN. THE REVERSING VALVE SHALL BE SET TO COOLING MODE AND THE DX COIL SHALL MODULATE TO MAINTAIN THE MINIMUM SUPPLY AIR TEMPERATURE SETPOINT.

WARM-UP:
IF THE AVERAGE ZONE TEMPERATURE IS BELOW THE OCCUPIED ZONE TEMPERATURE SETPOINT (DETERMINED BY POLLING VAV TERMINAL UNITS), THE SUPPLY FAN SHALL BE ENERGIZED AND BE CONTROLLED AS DESCRIBED IN "OCCUPIED" MODE. THE MINIMUM OUTSIDE AIR DAMPER SHALL BE CLOSED AND THE RETURN AIR DAMPER SHALL BE FULLY OPEN. THE REVERSING VALVE SHALL BE SET TO HEAT MODE. THE DX HEAT PUMP COIL SHALL MODULATE COMPRESSOR CAPACITY TO MAINTAIN THE SUPPLY AIR TEMPERATURE SETPOINT. THE SUPPLY FAN SHALL BE CONTROLLED AS DESCRIBED IN OCCUPIED MODE.

OCCUPIED:
OCCUPIED MODE SHALL BE INITIATED BY THE DDC.

INTERLOCKED EXHAUST FAN(S) SHALL BE ON.

SUPPLY FAN CONTROL: THE UNIT CONTROLLER SHALL MODULATE THE SUPPLY FAN TO SATISFY THE DUCT STATIC PRESSURE SENSOR SET POINT. WHEN ANY SENSOR IS BELOW SET POINT, THE UNIT CONTROLLER SHALL INCREASE FAN SPEED UNTIL SATISFIED. WHEN SENSOR IS ABOVE SET POINT, THE UNIT CONTROLLER SHALL DECREASE FAN SPEED UNTIL WITHIN SET POINT RANGE.

DUCT STATIC PRESSURE SETPOINT RESET: THE VAV TERMINAL UNITS SHALL BE POLLED FOR DAMPER POSITION EVERY TWO MINUTES (ADJ). IF A VAV DAMPER POSITION IS 90% (ADJ) OR GREATER OPEN, A PRESSURE REQUEST SHALL BE GENERATED. AFTER THE VAV TERMINAL UNITS HAVE BEEN POLLED, IF THERE ARE NO PRESSURE REQUESTS THE DUCT STATIC PRESSURE SETPOINT SHALL BE DECREASED BY 0.04 IN. WG. (ADJ). IF THERE ARE MORE THAN TWO (ADJ) PRESSURE REQUESTS THE SETPOINT SHALL BE INCREASED BY 0.04 IN. WG. THE CONTROL LOGIC SHALL BE SLOW-ACTING TO AVOID HUNTING. THE MINIMUM DUCT STATIC PRESSURE SETPOINT SHALL BE 0.2 IN. WG. (ADJ) AND THE MAXIMUM DUCT STATIC PRESSURE SETPOINT SHALL BE 1.5 IN. WG. (ADJ). MAXIMUM SETPOINT SHALL BE CONFIRMED/ADJUSTED DURING TEST AND BALANCING. IN THE EVENT OF LOSS OF COMMUNICATION WITH ONE (ADJ) OR MORE VAV TERMINAL UNITS THE SYSTEM SHALL REVERT TO THE MAXIMUM DUCT STATIC PRESSURE SETPOINT.

MINIMUM OUTSIDE AIR CONTROL: THE OUTSIDE AIR DAMPER SHALL MODULATE TO MAINTAIN THE MINIMUM OUTSIDE AIR FLOWRATE (AS MEASURED BY THE MINOA AFMA) AT SETPOINT. IF OA DAMPER IS 100% OPEN AND OA FLOW IS NOT MEETING SET POINT THEN THE RETURN AIR DAMPER SHALL MODULATE CLOSE TO MEET THE OA SETPOINT.

DEHUMIDIFICATION: THE UNIT SHALL BE IN DEHUMIDIFICATION MODE IF THE ZONE TEMPERATURE DRYBULB SETPOINTS ARE MET AND THE RETURN AIR HUMIDITY IS ABOVE THE DEHUMIDIFICATION SETPOINT. IN THE DEHUMIDIFICATION MODE, THE SUPPLY AIR FAN SHALL BE ENABLED, THE OUTSIDE AIR DAMPER SHALL BE OPENED (DURING OCCUPIED HOURS), AND THE UNIT CONTROLLER SHALL ENERGIZE MECHANICAL COOLING. ON A CALL FOR DEHUMIDIFICATION, THE COMPRESSOR SHALL ENABLE. WHEN THE HUMIDITY CONTROL SETPOINT IS SATISFIED, THE COMPRESSOR SHALL BE DISABLED. DX COOLING COIL SHALL MODULATE TO MAINTAIN A 52°F COOLING COIL LEAVING TEMPERATURE.

TEMPERATURE CONTROL: UPON A RISE IN MIXED AIR TEMPERATURE ABOVE THE SUPPLY AIR TEMPERATURE SETPOINT, THE REVERSING VALVE SHALL SWITCH TO COOL MODE. THE COMPRESSOR SHALL CYCLE TO MAINTAIN SUPPLY AIR TEMPERTURE AT SETPOINT. UPON A FALL IN MIXED AIR TEMPERATURE BELOW THE SUPPLY AIR SETPOINT, THE REVERSING VALVE SHALL SWITCH TO HEAT MODE AND THE COMPRESSOR SHALL CYCLE TO MAINTAIN THE SUPPLY AIR TEMPERATURE SETPOINT. TO PREVENT SHORT CYCLING THERE SHALL BE A MINIMUM ON/OFF CYCLE TIME.

OUTSIDE AIR FLOW MONITORING: OUTSIDE AIR FLOW SHALL BE MEASURED BY AN AIRFLOW MONITORING STATION LOCATED IN THE OUTSIDE AIR INTAKE DUCTWORK. AN ALARM SHALL BE SENT TO THE DDC IF FLOW VARIES BY 10% OR MORE FROM DESIGN.

FILTER MONITORING: IF THE PRESSURE DROP ACROSS A FILTER EXCEEDS THE ALARM SETPOINT AN ALARM SHALL BE SENT TO THE DDC INDICATING WHICH FILTER NEEDS TO BE CHANGED.

SAFETY CONTROLS:
SMOKE DETECTOR: IF THE SUPPLY AIR SMOKE DETECTOR SENSES SMOKE IN THE DUCTWORK, THE FIRE ALARM SYSTEM SHALL DISABLE FANS, THE UNIT SHALL GO INTO "OFF" MODE, AND AN ALARM SHALL BE SENT TO THE DDC SYSTEM.

SUPPLY AIR HIGH STATIC PRESSURE: WHEN THE SUPPLY AIR STATIC PRESSURE EXCEEDS SETPOINT, THE HIGH-LIMIT STATIC-PRESSURE SWITCH IN THE FAN DISCHARGE SHALL STOP THE SUPPLY FAN, THE UNIT SHALL GO INTO "OFF" MODE, AND INITIATE A HIGH-STATIC PRESSURE ALARM AT THE UNIT.

HVAC SYSTEM EMERGENCY SHUTDOWN: WHEN THE HVAC SYSTEM EMERGENCY SHUTDOWN SWITCH IS PRESSED, AHU SUPPLY FAN SHALL STOP AND UNIT SHALL GO INTO OFF MODE.

SETPOINTS:
SUPPLY AIR TEMPERARURE SETPOINT = 55°F
HIGH/LOW SUPPLY AIR TEMPERATURE ALARM LIMITS SETPOINT = ±5°F
DIRTY FILTER ALARM SETPOINT = CLEAN FILTER + 0.75 IN WG. (ADJ)
DUCT STATIC PRESSURE SETPOINT =1.5 IN WG (ADJ)
- NOTE: VALUE IS ESTIMATE ONLY. CONTRACTOR IS RESPONSIBLE TO SET, ADJUST, AND VERIFY VALUE DURING TAB TO ACHIEVE PROPER SYSTEM OPERATION.

AHU-01 AIRFLOW SETPOINTS = SEE SCHEDULE

A1 CONTROLS SCHEMATIC & SEQUENCE - AHU-01
NTS

GEORGIA REGISTERED No. 044771 PROFESSIONAL ENGINEER ANTHONY DERRICK ALLGOOD
01/21/2026

US Army Corps of Engineers ®

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MECHANICAL CONTROLS - AHU-01 SCHEMATIC & SEQUENCE

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POINTS LIST SCHEDULE - AHU-01

FUNCTION	NAME	DESCRIPTION	SETTING (WITH UNITS)	RANGE (WITH UNITS)	IO TYPE	LDP AND M&C DISPLAY			OVERRIDES		ALARMS	
						LDP VIEW REQ'D	M&C DISP REQ'D	M&C TREND REQ'D	LDP OVRD REQ'D	M&C OVRD REQ'D	ALARM CONDITION (SEE NOTES)	ALARM PRIORITY
PROOFS & SAFETIES	SF-S***	SUPPLY FAN STATUS	~	ON/OFF	BI	X	X	~	~	~	SUPPLY FAN PROOF FAILED	CRIT
	EF-S	EXHAUST FAN STATUS (POINT PER FAN)	~	ON/OFF	BI	X	X	~	~	~	ALM	CRIT
	EF-D-S	EXHAUST AIR DAMPER STATUS	~	OPEN/CLOSED	BI	X	X	~	~	~	DAMPER STATUS DOES NOT MATCH COMMAND	INFO
	MINOA-D-S	MINIMUM OUTSIDE AIR DAMPER STATUS	~	0-100% OPEN	AI	X	X	~	~	~	DAMPER STATUS DOES NOT MATCH COMMAND	INFO
	RA-D-S	RETURN AIR DAMPER STATUS	~	0-100% OPEN	AI	X	X	~	~	~	DAMPER STATUS DOES NOT MATCH COMMAND	INFO
	SA-SMK	SUPPLY AIR SMOKE	~	ALM/NORMAL	BI	~	~	~	~	~	ALM	CRIT
	SA-P-HL	SUPPLY AIR PRESSURE HIGH LIMIT	3 IN. WG.	ALM/NORMAL	BI	~	~	~	~	~	ALM	CRIT
START / STOP	SYS-OCC	OCCUPANCY INPUT (FROM SYSTEM SCHEDULER)		<___>	NVI	X	X	~	SEE NOTES		~	~
	EF-SS	EXHAUST FAN START/STOP	~	ON/OFF	BO	X	X	~	X	X	~	~
	EA-D-C	EXHAUST AIR DAMPER COMMAND	~	OPEN/CLOSED	BO	X	X	X	X	X	~	~
	SF-SS***	SUPPLY FAN START/STOP	~	ON/OFF	BO	X	X	~	~	X	~	~
SUPPLY FAN CAPACITY CONTROL	SA-P***	SUPPLY AIR PRESSURE*	~	<___>	AI	X	X	X	~	~	*SA-P MORE THAN 20% ABOVE OR BELOW SA-P-SP	INFO
	SA-P-SP	SUPPLY AIR PRESSURE SETPOINT	<___>	~	~	X	X	~	~	X	~	~
	SF-C***	SUPPLY FAN COMMAND	~	0-100%	AO	~	X	~	~	X	~	~
MINIMUM OUTSIDE AIR	MINOA-F	MINIMUM OUTSIDE AIR FLOW	~	SEE NOTE 5	AI	X	X	X	~	~	MINOA-F VARIES FROM MINOA-F-SP BY 10% OR MORE	INFO
	MINOA-F-SP	MINIMUM OUTSIDE AIR FLOW SETPOINT	SEE SCHEDULE	~	~	X	X	~	~	X	~	~
	MINOA-D-C	MINIMUM OUTSIDE AIR DAMPER COMMAND	~	<0-100% OPEN>	AO	X	X	~	X	X	~	~
	RA-D-C	RETURN AIR DAMPER COMMAND	~	0-100% OPEN	AO	X	X	~	X	X	~	~
MIXED AIR TEMPERATURE CONTROL	OA-T	OUTSIDE AIR TEMPERATURE	~	<___>	AI	X	X	X	~	~	~	~
	OA- H	OUTSIDE AIR HUMIDITY	~	<___>	AI	X	X	X	~	~	~	~
	MA-T***	MIXED AIR TEMPERATURE	~	<___>	AI	X	X	X	~	~	~	~
SUPPLY AIR TEMPERATURE CONTROL	ZN-T	ZONE TEMPERATURE**	~	<___>	AI	~	X	X	~	~	**ZN-T 2 DEG F MORE THAN ZN-T-SP-CLG OR LESS THAN ZN-T-SP-HTG	INFO
	ZN-T-SP	ZONE TEMPERATURE SETPOINT (CLG/HTG)	SEE SEQUENCE	~	~	~	X	~	X	X	~	~
	SA-T***	SUPPLY AIR TEMPERATURE*	~	<___>	AI	X	X	X	~	~	*SA-T MORE THAN 10 DEG F ABOVE OR BELOW SETPOINT	INFO
	C-LVG-T***	COIL LEAVING TEMPERATURE	~	<___>	AI	X	X	X	~	X	~	~
	C-LVG-T-SP***	COIL LEAVING TEMPERATURE SETPOINT	55°F	<___>	~	X	X	~	X	X	~	~
	SA-T-SP***	SUPPLY AIR TEMPERATURE SETPOINT	55°F	~	~	X	X	~	~	X	~	~
	DX-C***	COMPRESSOR COMMAND	~	0-100%	AO	X	X	~	~	X	~	~
	REV-V-C***	REVERSING VALVE COMMAND	~	HEAT/COOL	BO	~	~	~	~	~	~	
OTHER POINTS	RA-T	RETURN AIR TEMPERATURE	~	<___>	AI	X	X	~	~	~	~	~
	RA-H	RETURN AIR RELATIVE HUMIDITY	~	<___>	AI	X	X	~	~	~	~	~
	MA-FLT-P-HL***	MIXED AIR FILTER PRESSURE HIGH LIMIT SWITCH	CLEAN + 0.75 IN. WG.	ALM/NORMAL	BI	X	~	~	~	~	TRUE	INFO
	MA-PFLT-P-HL***	MIXED AIR PRE-FILTER PRESSURE HIGH LIMIT SWITCH	CLEAN + 0.75 IN. WG.	ALM/NORMAL	BI	X	~	~	~	~	TRUE	INFO
	EMER-S	EMERGENCY SHUTDOWN	~	ALM/NORMAL	AI	X	X	X	~	~	ALM	CRIT

NOTES:

1) THE CONTRACTOR SHALL COMPLETE THE POINTS SCHEDULE AS SPECIFIED AND AS DESCRIBED IN THE GENERAL POINTS SCHEDULE NOTES ON THE CONTROLS LEGEND DRAWING.
2) UNIT MANUFACTURERS PROOFS AND SAFETIES: THE CONTRACTOR SHALL SHOW EACH PROOF AND SAFETY AS A SEPARATE ROW.
3) SYS-OCC: OVERRIDE OF SYS-OCC IS ACCOMPLISHED THROUGH THE SYSTEM SCHEDULER.
4) ALARM CONDITIONS MARKED WITH AN ASTERISK (*) SHALL BE ACTIVE ONLY WHEN THE SYSTEM IS IN OCCUPIED MODE AND HAS BEEN IN OCCUPIED MODE FOR MORE THAN: * = 5 MINUTES ** = 30 MINUTES
5) AIR FLOW MEASUREMENT ARRAY SHALL BE ABLE TO MEASURE FLOW ACCURATELY BETWEEN 50% OF THE SCHEDULED MINIMUM OUTSIDE AIRFLOW.
6) CONTRACTOR SHALL PROVIDE ADDITIONAL COLUMNS ON CONTRACTOR POINTS LIST AS REQUIRED BY SPECIFICATION 23 09 00.
7) POINTS MARKED WITH THREE ASTERISK (***) SHALL BE PROVIDED BY THE FACTORY UNIT CONTROLLER. ALL OTHER POINTS SHALL BE THE RESPONSIBILITY OF THE CONTROLS CONTRACTOR.

GEORGIA REGISTERED No. 044771 PROFESSIONAL ENGINEER ANTHONY DERRICK ALLGOOD

01/21/2026

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-01
JOB NUMBER:
FILE NAME: 143139_M_Central
SIZE: ANSI D

DESIGN BY: L LEIBKUCHLER
DRAWN BY: L LEIBKUCHLER
CHECKED BY: G. FAUST
SUBMITTED BY: A. ALLGOOD

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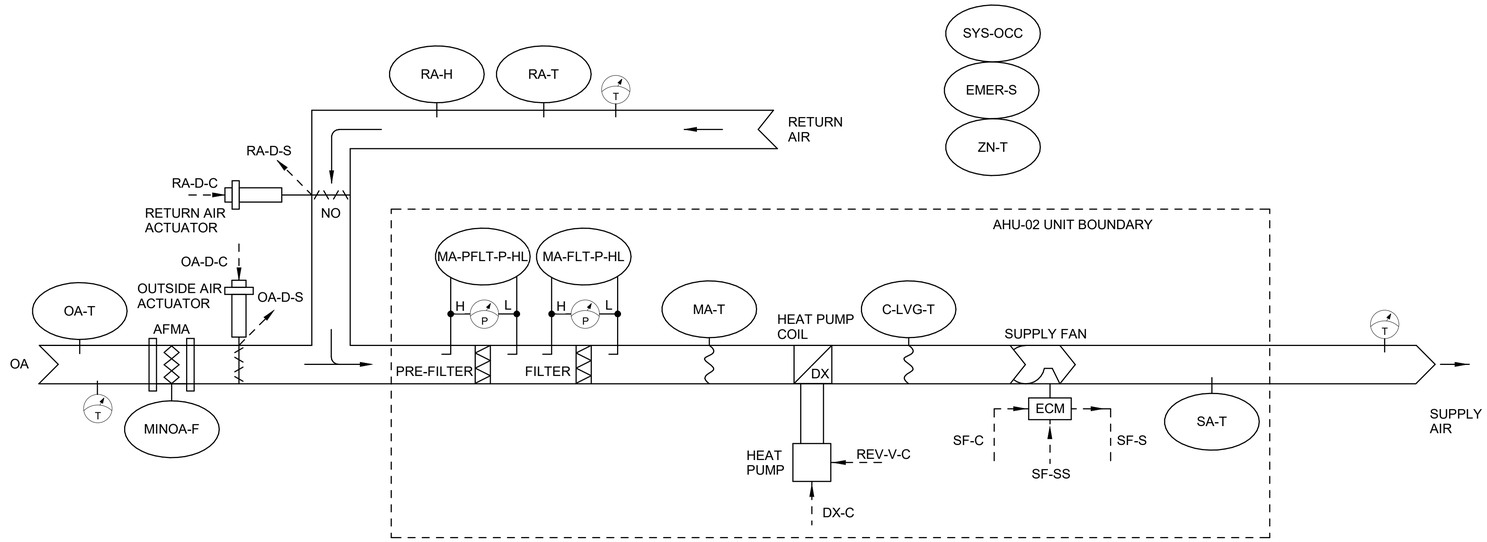
MECHANICAL CONTROLS - AHU-01 POINTS LIST

SHEET ID
M-706

READY TO ADVERTISE (RTA)



SEQUENCE OF OPERATION - AHU-02

AHU-02 SHALL BE CONTROLLED BY THE DDC SYSTEM THROUGH FACTORY MOUNTED CONTROLLER. SEE SPECIFICATION 23 81 00 FOR CONTROLLER REQUIREMENTS.

THE FOLLOWING SEQUENCES SHALL BE PROVIDED BY THE CONTROLS CONTRACTOR:
- OFF, UNOCCUPIED, AND OCCUPIED MODE
- OPTIMAL START, COOL DOWN, AND WARM UP
- MINIMUM OUTSIDE AIR CONTROL
- DEHUMIDIFICATION
- OUTSIDE AIR FLOW MONITORING
- SAFETY CONTROLS

THE FOLLOWING SEQUENCES SHALL BE PROVIDED BY THE FACTORY CONTROLLER:
- SUPPLY FAN CONTROL
- TEMPERATURE CONTROL
- FILTER MONITORING

FINAL DELINEATION OF SEQUENCES AND ASSOCIATED HARDWARE REQUIREMENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE COORDINATED WITH THE UNIT MANUFACTURER AND CONTROLS CONTRACTOR PRIOR TO PURCHASE AND INSTALLATION. SEE SPECIFICATION 23 81 00 FOR SUBMITTAL REQUIRMENTS.

GENERAL:
THE HVAC SYSTEM SHALL HAVE THE FOLLOWING MODES OF OPERATION: OFF, UNOCCUPIED, WARM-UP, COOL-DOWN, AND OCCUPIED.

OFF:
THE SUPPLY FAN SHALL BE OFF. THE HEAT PUMP COIL SHALL DISABLE. OUTSIDE AIR DAMPER SHALL BE CLOSED. RETURN AIR DAMPER SHALL BE OPEN.

UNOCCUPIED:
UNOCCUPIED MODE SHALL BE INITIATED BY THE DDC.

THE AHU SUPPLY FAN SHALL BE OFF SUBJECT TO ZONE TEMPERATURE.

THE DX COIL SHALL BE OFF SUBJECT TO ZONE TEMPERATURES.

THE MINIMUM OUTSIDE AIR DAMPER SHALL ALL BE CLOSED. THE RETURN AIR DAMPER SHALL BE OPEN.

IF THE ZONE TEMPERATURE FALLS BELOW THE UNOCCUPIED HEATING TEMPERATURE SETPOINT OR RISES ABOVE THE UNOCCUPIED COOLING TEMPERATURE SETPOINT OR THE UNOCCUPIED OVERRIDE BUTTON IS PRESSED, THE SUPPLY FAN SHALL ENERGIZE AND OPERATE AS DESCRIBED IN "OCCUPIED MODE." THE DX COIL SHALL OPERATE AS DESCRIBED IN "OCCUPIED MODE". ONCE THE ZONE TEMPERATURE IS SATISFIED OR THE OCCUPANCY OVERRIDE TIMER EXPIRES, THE SUPPLY FAN SHALL DE-ENERGIZE AND THE DX COIL SHALL TURN OFF. OUTSIDE AIR DAMPER SHALL REMAIN CLOSED WHILE THE RETURN AIR DAMPER SHALL REMAIN OPEN.

OPTIMAL START:
AN OPTIMAL START PROGRAM SHALL START THE UNIT AT THE LATEST POSSIBLE TIME TO REACH THE DESIRED OCCUPIED SPACE TEMPERATURE SETPOINT AT OCCUPANCY TIME. AT THIS START TIME THE UNIT SHALL GO INTO WARM-UP OR COOL-DOWN MODE AS DESCRIBED BELOW. WHEN THE UNIT HAS SATISFIED THE OCCUPIED ZONE TEMPERATURE SETPOINT THE UNIT SHALL GO INTO OCCUPIED MODE. WARM-UP OR COOL-DOWN SHALL OCCUR A MAXIMUM OF ONCE A DAY.

COOL-DOWN:
IF THE ZONE TEMPERATURE IS ABOVE THE OCCUPIED ZONE TEMPERATURE SETPOINT, THE SUPPLY FAN SHALL BE ENERGIZED AND BE CONTROLLED AS DESCRIBED IN "OCCUPIED" MODE. THE MINIMUM OUTSIDE AIR DAMPER SHALL BE CLOSED AND THE RETURN AIR DAMPER SHALL BE FULLY OPEN. THE REVERSING VALVE SHALL BE SET TO COOLING MODE AND THE DX COIL SHALL MODULATE TO MAINTAIN THE MINIMUM SUPPLY AIR TEMPERATURE SETPOINT.

WARM-UP:
IF THE ZONE TEMPERATURE IS BELOW THE OCCUPIED ZONE TEMPERATURE SETPOINT, THE SUPPLY FAN SHALL BE ENERGIZED AND BE CONTROLLED AS DESCRIBED IN "OCCUPIED" MODE. THE MINIMUM OUTSIDE AIR DAMPER SHALL BE CLOSED AND THE RETURN AIR DAMPER SHALL BE FULLY OPEN. THE REVERSING VALVE SHALL BE SET TO HEAT MODE. THE DX HEAT PUMP COIL SHALL MODULATE COMPRESSOR CAPACITY TO MAINTAIN THE SUPPLY AIR TEMPERATURE SETPOINT. THE SUPPLY FAN SHALL BE CONTROLLED AS DESCRIBED IN OCCUPIED MODE.

OCCUPIED:
FAN CONTROL: THE UNIT CONTROLLER SHALL VARY THE SUPPLY FAN SPEED TO OPTIMIZE MINIMUM FAN SPEED IN ALL COOLING AND HEATING MODES.

MINIMUM OUTSIDE AIR CONTROL: THE OUTSIDE AIR DAMPER SHALL MODULATE TO MAINTAIN THE MINIMUM OUTSIDE AIR FLOWRATE (AS MEASURED BY THE MINOA AFMA) AT SETPOINT. IF OA DAMPER IS 100% OPEN AND OA FLOW IS NOT MEETING SET POINT THEN THE RETURN AIR DAMPER SHALL MODULATE CLOSE TO MEET THE OA SETPOINT.

TEMPERATURE CONTROL: ZONE TEMPERATURE CONTROL: THE TEMPERATURE CONTROL MODE SHALL BE AUTO. UPON A RISE IN ZONE TEMPERATURE ABOVE THE OCCUPIED COOLING SETPOINT PLUS DEADBAND, THE REVERSING VALVE SHALL SWITCH TO COOL MODE. THE COMPRESSOR SHALL MODULATE TO MAINTAIN ZONE AT COOLING TEMPERATURE SETPOINT. UPON A FALL IN ZONE TEMPERATURE BELOW THE OCCUPIED HEATING SETPOINT MINUS DEADBAND, THE REVERSING VALVE SHALL SWITCH TO HEAT MODE AND THE COMPRESSOR SHALL MODULATE TO MAINTAIN ZONE AT HEATING TEMPERATURE SETPOINT. TO PREVENT SHORT CYCLING THERE SHALL BE A MINIMUM ON/OFF CYCLE TIME.

DEHUMIDIFICATION MODE: IF THE ZONE DRYBULB SETPOINT IS MET AND THE RETURN AIR RELATIVE HUMIDITY RISING ABOVE 55% RELATIVE HUMIDITY, THE UNIT SHALL ENTER A DEHUMIDIFICATION CYCLE. THE DX COOLING COIL SHALL MODULATE TO MAINTAIN A COOLING COIL LEAVING AIR TEMPERATURE OF 52° F (ADJ). THE HEAT PUMP COIL SHALL MODULATE BETWEEN HEATING AND COOLING SUPPLY AIR TEMPERATURE SETPOINTS TO MAINTAIN ZONE TEMPERATURE SETPOINT. SUPPLY AIR TEMPERATURE MODULATION SHALL BE SLOW ACTING TO AVOID HUNTING.

UPON THE RETURN AIR RELATIVE HUMIDITY DROPPING BELOW 45% RELATIVE HUMIDITY, THE UNIT SHALL EXIT THE DEHUMIDIFICATION CYCLE AND RETURN TO NORMAL OPERATION.

OUTSIDE AIR FLOW MONITORING: OUTSIDE AIR FLOW SHALL BE MEASURED BY AN AIRFLOW MONITORING STATION LOCATED IN THE OUTSIDE AIR INTAKE DUCTWORK. AN ALARM SHALL BE SENT TO THE DDC IF FLOW VARIES BY 10% OR MORE FROM DESIGN.

FILTER MONITORING: IF THE PRESSURE DROP ACROSS A FILTER EXCEEDS THE ALARM SETPOINT AN ALARM SHALL BE SENT TO THE DDC SYSTEM INDICATING THE FILTER NEEDS TO BE CHANGED.

SAFETY CONTROLS:
FAN FAILURE: IF THE SUPPLY FAN FAILS TO PROVE STATUS FOR 30 SECONDS (ADJ), THE FAN SHALL BE COMMANDED OFF, THE HEAT PUMP COIL SHALL DISABLE, AND AN ALARM SHALL BE INITIATED AT THE UNIT. A MANUAL RESET IS REQUIRED TO RESTART THE FAN AFTER THREE (ADJ) FAILED ATTEMPTS TO AUTOMATICALLY RESTART.

HIGH TEMPERATURE LIMIT SWITCH: WHEN THE DISCHARGE AIR TEMPERATURE EXCEEDS 130°F (ADJ), THE UNIT SHALL GO INTO OFF MODE, HEAT PUMP COIL SHALL DEENERGIZE, AND AN ALARM SHALL BE INITIATED AT THE UNIT.

HVAC SYSTEM EMERGENCY SHUTDOWN: WHEN THE HVAC SYSTEM EMERGENCY SHUTDOWN SWITCH IS PRESSED, AHU SUPPLY FAN SHALL STOP AND UNIT SHALL GO INTO OFF MODE.

SETPOINTS:
ZONE COOLING SETPOINT = 75°F +/-3°F DEADBAND
ZONE HEATING SETPOINT = 70°F +/-3°F DEADBAND
SUPPLY AIR TEMPERATURE COOLING SETPOINT = 55°F
SUPPLY AIR TEMPERATURE HEATING SETPOINT = 95°F
HIGH/LOW SUPPLY AIR TEMPERATURE ALARM LIMITS SETPOINT = +/-5°F
DIRTY FILTER ALARM SETPOINT = CLEAN FILTER + 0.75 IN H20 (ADJ)
AHU-02 SUPPLY AIRFLOW SETPOINT = SEE SCHEDULE
AHU-02 OUTSIDE AIRFLOW SETPOINT = SEE SCHEDULE

GEORGIA REGISTERED No. 044771 PROFESSIONAL ENGINEER ANTHONY DERRICK ALLGOOD
01/21/2026

A1 CONTROLS SCHEMATIC & SEQUENCE - AHU-02
NTS

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

DESIGN BY: LLEIBKUCHLER
DRAWN BY: LLEIBKUCHLER
CHECKED BY: G. FAUST
SUBMITTED BY: A. ALLGOOD
SIZE: ANSI D
ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-01
FILE NAME: 189618_143139_M_Central

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MECHANICAL CONTROLS - AHU-02 SCHEMATIC AND SEQUENCE

SHEET ID
M-707

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1/21/2026 7:42:38 AM

POINTS LIST SCHEDULE - AHU-02

FUNCTION	NAME	DESCRIPTION	SETTING (WITH UNITS)	RANGE (WITH UNITS)	IO TYPE	LDP AND M&C DISPLAY			OVERRIDES		ALARMS	
						LDP VIEW REQ'D	M&C DISP REQ'D	M&C TREND REQ'D	LDP OVRD REQ'D	M&C OVRD REQ'D	ALARM CONDITIONS (SEE NOTES)	ALARM PRIORITY
PROOFS & SAFETIES	SF-S***	SUPPLY FAN STATUS	~	ON/OFF	BI	X	X	~	~	~	SUPPLY FAN PROOF FAILED	INFO
	OA-D-S	MINIMUM OUTSIDE AIR DAMPER STATUS	~	0-100% OPEN	AI	X	X	~	~	~	DAMPER STATUS DOES NOT MATCH COMMAND	INFO
	RA-D-S	RETURN AIR DAMPER STATUS	~	0-100% OPEN	AI	X	X	~	~	~	DAMPER STATUS DOES NOT MATCH COMMAND	INFO
START / STOP	SYS-OCC	OCCUPANCY INPUT (FROM SYSTEM SCHEDULER)	~	<___>	OBJ	X	X	X	SEE NOTES		~	~
	SF-SS***	SUPPLY FAN START/STOP	~	ON/OFF	BO	X	X	~	~	X	~	~
	SF-C***	SUPPLY FAN COMMAND	~	0-100%	AO	~	X	~	~	X	~	~
MINIMUM OUTSIDE AIR	OA-D-C	MINIMUM OUTSIDE AIR DAMPER COMMAND	~	<0-100% OPEN>	AO	X	X	~	X	X	~	~
	RA-D-C	RETURN AIR DAMPER COMMAND	~	0-100% OPEN	AO	X	X	~	X	X	~	~
	MINOA-F	MINIMUM OUTSIDE AIR FLOW	~	SEE NOTE 5	AI	X	X	X	~	~	MINOA-F VARIES FROM SETPOINT BY 10% OR MORE	INFO
TEMPERATURE CONTROL	ZN-T	ZONE TEMPERATURE**	~	<___>	AI	~	X	X	~	~	**ZN-T 2 DEG F MORE THAN ZN-T-SP-CLG OR LESS THAN ZN-T-SP-HTG	INFO
	ZN-T-SP	ZONE TEMPERATURE SETPOINT (CLG/HTG)	75/70°F	~	~	~	X	~	X	X	~	~
	RA-RH-SP	RETURN AIR RELATIVE HUMIDITY SETPOINT LOW/HIGH LIMITS	45/55%	0-100%	~	X	X	X	~	X	~	~
	SA-T-SP***	SUPPLY AIR TEMPERATURE SETPOINT MIN/MAX	55/95°F	~	~	X	X	~	~	X	~	~
	C-LVG-T***	COIL LEAVING TEMPERATURE	~	<___>°F	AI	X	X	X	~	X	~	~
	C-LVG-T-SP***	COIL LEAVING TEMPERATURE SETPOINT	55°F	<___>°F	~	X	X	~	X	X	~	~
	OA-T	OUTSIDE AIR TEMPERATURE	~	<___>°F	AI	X	X	X	~	~	~	~
	MA-T***	MIXED AIR TEMPERATURE	~	<___>	AI	X	X	X	~	~	~	~
	SA-T***	SUPPLY AIR TEMPERATURE	~	<___>	AI	X	X	X	~	~	*SA-T MORE THAN 10 DEG F ABOVE OR BELOW SETPOINT	INFO
	DX-C***	COMPRESSOR COMMAND	~	0-100%	AO	X	X	~	~	X	~	~
	REV-V-C***	REVERSING VALVE COMMAND	~	HEAT/COOL	BO	~	~	~	~	~	~	~
OTHER POINTS	RA-T	RETURN AIR TEMPERATURE	~	<___>	AI	X	X	~	~	~	~	~
	RA-H	RETURN AIR RELATIVE HUMIDITY	~	<___>	AI	X	X	~	~	~	~	~
	MA-FLT-P-HL***	MIXED AIR FILTER PRESSURE HIGH LIMIT SWITCH	CLEAN + 0.75 IN. WG.	ALM/NORMAL	BI	X	~	~	~	~	TRUE	INFO
	MA-PFLT-P-HL***	MIXED AIR PRE-FILTER PRESSURE HIGH LIMIT SWITCH	CLEAN +0.75 IN. WG.	ALM/NORMAL	BI	X	~	~	~	~	TRUE	INFO
	EMER-S	EMERGENCY SHUTDOWN	~	ALM/NORMAL	AI	X	X	X	~	~	ALM	CRIT

NOTES:

1) THE CONTRACTOR SHALL COMPLETE THE POINTS SCHEDULE AS SPECIFIED AND AS DESCRIBED IN THE GENERAL POINTS SCHEDULE NOTES ON THE CONTROLS LEGEND DRAWING.
2) UNIT MANUFACTURERS PROOFS AND SAFETIES: THE CONTRACTOR SHALL SHOW EACH PROOF AND SAFETY AS A SEPARATE ROW.
3) SYS-OCC: OVERRIDE OF SYS-OCC IS ACCOMPLISHED THROUGH THE SYSTEM SCHEDULER.
4) ALARM CONDITIONS MARKED WITH AN ASTERISK (*) SHALL BE ACTIVE ONLY WHEN THE SYSTEM IS IN OCCUPIED MODE AND HAS BEEN IN OCCUPIED MODE FOR MORE THAN: * = 5 MINUTES ** = 30 MINUTES
5) AIR FLOW MEASUREMENT ARRAY SHALL BE ABLE TO MEASURE FLOW ACCURATELY BETWEEN 50% OF THE SCHEDULED MINIMUM OUTSIDE AIRFLOW.
6) CONTRACTOR SHALL PROVIDE ADDITIONAL COLUMNS ON CONTRACTOR POINTS LIST AS REQUIRED BY SPECIFICATION 23 09 00.
7) POINTS MARKED WITH THREE ASTERISK (***) SHALL BE PROVIDED BY THE FACTORY UNIT CONTROLLER. ALL OTHER POINTS SHALL BE THE RESPONSIBILITY OF THE CONTROLS CONTRACTOR.

GEORGIA REGISTERED No. 044771 PROFESSIONAL ENGINEER ANTHONY DERRICK ALLGOOD
01/21/2026

US Army Corps of Engineers ®

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CATEGORY CODE: 141-001-101
FILE NAME: 18968 143139_M_Central

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MECHANICAL CONTROLS - AHU-02 POINTS LIST

SHEET ID
M-708

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SEQUENCE OF OPERATION - VAV TERMINAL UNIT WITH ELECTRIC REHEAT

GENERAL:
THE HVAC SYSTEM SHALL HAVE THE FOLLOWING MODES OF OPERATION: UNOCCUPIED, WARM-UP, COOL-DOWN, AND OCCUPIED.

UNOCCUPIED:
UNOCCUPIED MODE SHALL BE INITIATED BY THE DDC.

VAV DAMPER SHALL BE AT MINIMUM POSITION.

IF THE ZONE TEMPERATURE FALLS BELOW OR RISES ABOVE THE UNOCCUPIED HEATING OR COOLING TEMPERATURE SETPOINT, THE UNIT SHALL OPERATE AS DESCRIBED IN "OCCUPIED" MODE UNTIL THE SETPOINT HAS BEEN SATISFIED.

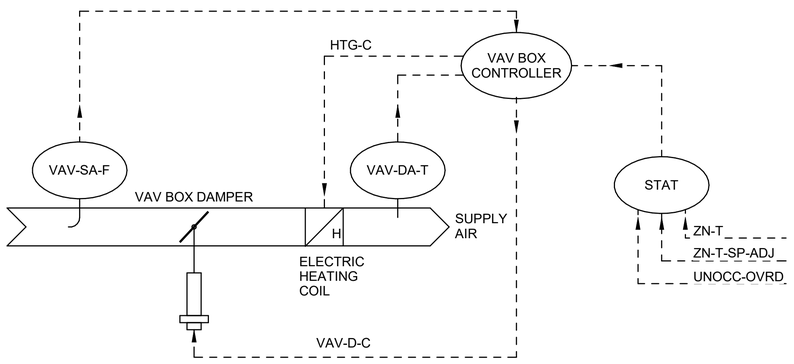
ZONE UNOCCUPIED OVERRIDE: THE THERMOSTAT SHALL HAVE AN UNOCCUPIED OVERRIDE BUTTON. UPON THE BUTTON BEING DEPRESSED THE TERMINAL UNIT SHALL GO INTO OCCUPIED MODE FOR ONE HOUR (ADJ) AND THEN REVERT TO UNOCCUPIED MODE.

WARM-UP/COOL-DOWN:
VAV BOX DAMPER AND ELECTRIC HEAT SHALL MODULATE AS DESCRIBED IN THE "OCCUPIED" MODE SECTION.

OCCUPIED:
OCCUPIED MODE SHALL BE INITIATED BY THE DDC.

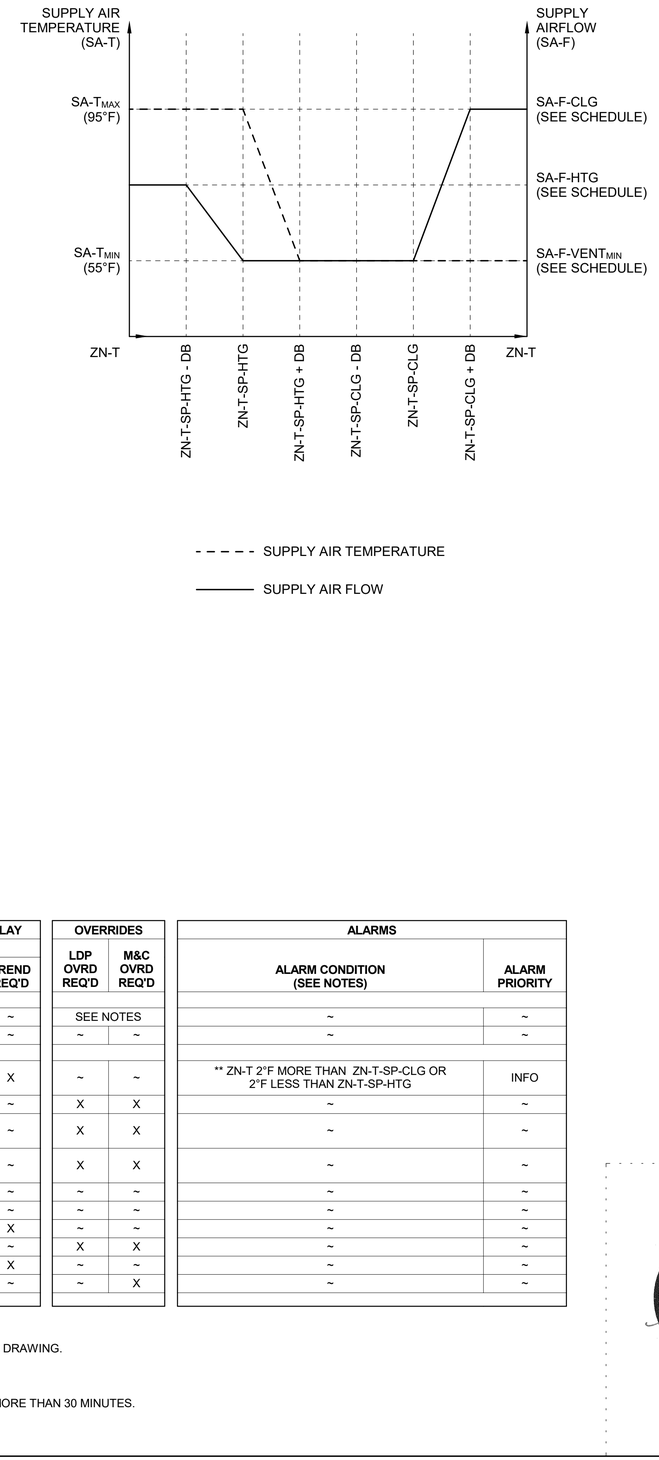
ZONE TEMPERATURE CONTROL (DUAL MAXIMUM): VAV BOX DAMPER SHALL MODULATE BETWEEN MINIMUM AND MAXIMUM POSITION TO MAINTAIN VAV BOX SUPPLY AIR FLOW AT SETPOINT AS MEASURED BY A MULTI-POINT FLOW SENSING ELEMENT AT THE INLET OF THE VAV BOX. WHEN THE ZONE TEMPERATURE IS ABOVE THE ZONE COOLING TEMPERATURE SETPOINT, THE AIRFLOW SETPOINT SHALL BE ADJUSTED BETWEEN THE MINIMUM AND COOLING MAXIMUM AIRFLOW SETPOINTS TO MAINTAIN THE ZONE TEMPERATURE AT THE COOLING SETPOINT. THE ELECTRIC HEAT SHALL BE OFF. WHEN THE ZONE TEMPERATURE IS BETWEEN THE COOLING AND HEATING SETPOINTS THE AIRFLOW SHALL BE MAINTAINED AT MINIMUM FLOW AND THE ELECTRIC HEAT SHALL BE OFF. WHEN THE ZONE TEMPERATURE IS BELOW THE ZONE HEATING TEMPERATURE SETPOINT PLUS DEADBAND, THE ELECTRIC HEAT SHALL STAGE/MODULATE TO MAINTAIN DISCHARGE AIR TEMPERATURE AT SETPOINT. AS A FIRST STAGE, THE AIRFLOW SETPOINT SHALL BE AT MINIMUM FLOW AND THE DISCHARGE AIR TEMPERATURE SETPOINT SHALL BE ADJUSTED BETWEEN 55 DEGREES F (ADJ) AND THE MAXIMUM HEATING SUPPLY AIR TEMPERATURE SETPOINT TO MAINTAIN THE ZONE TEMPERATURE AT THE HEATING SETPOINT. IF THE DISCHARGE AIR TEMPERATURE IS AT MAXIMUM HEATING SUPPLY AIR TEMPERATURE AND THE ZONE IS STILL CALLING FOR HEATING, THE AIRFLOW SETPOINT SHALL BE ADJUSTED BETWEEN MINIMUM AND HEATING MAXIMUM FLOW TO MAINTAIN THE ZONE TEMPERATURE AT THE HEATING SETPOINT WHILE THE DISCHARGE AIR TEMPERATURE IS MAINTAINED AT MAXIMUM HEATING SUPPLY AIR TEMPERATURE. THE MAXIMUM HEATING SUPPLY AIR TEMPERATURE SETPOINT IS GIVEN IN THE VAV TERMINAL UNIT SCHEDULE.

ZONE TEMPERATURE SETPOINT ADJUST: THE OCCUPANT SHALL BE ABLE TO ADJUST THE ZONE TEMPERATURE SETPOINT COOLER OR WARMER AT THE THERMOSTAT. THE ZONE TEMPERATURE SETPOINT SHALL BE THE STORED SETPOINT (CLG/HTG) PLUS/MINUS THE OCCUPANT ADJUSTMENT.



C2 VAV TERMINAL UNIT WITH ELECTRIC REHEAT
NTS

SUPPLY AIR TEMPERATURE & FLOW RESET GRAPH



POINTS LIST SCHEDULE - VAV TERMINAL UNIT WITH ELECTRIC REHEAT

FUNCTION	NAME	DESCRIPTION	SETTING (WITH UNITS)	RANGE (WITH UNITS)	IO TYPE	LDP AND M&C DISPLAY: LDP VIEW REQ'D	LDP AND M&C DISPLAY: M&C DISP REQ'D	LDP AND M&C DISPLAY: M&C TREND REQ'D	OVERRIDES: LDP OVRD REQ'D	OVERRIDES: M&C OVRD REQ'D	ALARMS: ALARM CONDITION (SEE NOTES)	ALARMS: ALARM PRIORITY
START/STOP	SYS-OCC	OCCUPANCY INPUT (FROM SYSTEM SCHEDULER)	~	~	NVI	~	X	~	SEE NOTES		~	~
	UNOCC-OVRD	UNOCCUPIED OVERRIDE INPUT (OVERRIDE BUTTON ON STAT)	~	~	BI	~	~	~	~	~	~	~
ZONE TEMPERATURE CONTROL	ZN-T	ZONE TEMPERATURE **	~	<___>	AI	~	X	X	~	~	** ZN-T 2°F MORE THAN ZN-T-SP-CLG OR 2°F LESS THAN ZN-T-SP-HTG	INFO
	ZN-T-SP	ZONE TEMPERATURE SETPOINT (CLG/HTG)	75/70 DEG	~	~	~	X	~	X	X	~	~
	ZN-T-SP-ADJ	ZONE TEMPERATURE SETPOINT OCCUPANT ADJUSTMENT	OCCUPANT ADJUSTABLE	±1 DEG F	AI	~	X	~	X	X	~	~
	ZN-T-SP-UNOCC	ZONE TEMPERATURE SETPOINT FOR UNOCCUPIED MODE (CLG/HTG)	80/66 DEG	~	~	~	X	~	X	X	~	~
	VAV-SA-F	VAV SUPPLY AIR FLOW	~	<___>	AI	~	X	~	~	~	~	~
	VAV-SA-F-SP	VAV SUPPLY AIR FLOW SETPOINT	RESET SCHED	~	~	~	X	~	~	~	~	~
	VAV-D-C	VAV DAMPER COMMAND	~	0-100% OPEN	AO	~	X	X	~	~	~	~
	HTG-C	HEATING COMMAND	~	0-100% OPEN	AO	~	X	~	X	X	~	~
	VAV-DA-T	VAV DISCHARGE AIR TEMPERATURE	~	<___>	AI	~	X	X	~	~	~	~
	VAV-DA-T-SP	VAV DISCHARGE AIR TEMPERATURE SETPOINT	RESET SCHED	~	~	~	X	~	~	X	~	~

NOTES:
1) THE CONTRACTOR SHALL COMPLETE THE POINTS SCHEDULE AS SPECIFIED AND AS DESCRIBED IN THE GENERAL POINTS SCHEDULE NOTES ON THE CONTROLS LEGEND DRAWING.
2) UNIT MANUFACTURERS PROOFS AND SAFETIES: THE CONTRACTOR SHALL SHOW EACH PROOF AND SAFETY AS A SEPARATE ROW.
3) SYS-OCC: OVERRIDE OF SYS-OCC IS ACCOMPLISHED THROUGH THE SYSTEM SCHEDULER.
4) ALARM CONDITIONS MARKED WITH A DOUBLE ASTERISK (**) SHALL BE ACTIVE ONLY WHEN THE SYSTEM IS IN OCCUPIED MODE AND HAS BEEN IN OCCUPIED MODE FOR MORE THAN 30 MINUTES.
5) CONTRACTOR SHALL PROVIDE ADDITIONAL COLUMNS ON CONTRACTOR POINTS LIST AS REQUIRED BY SPECIFICATION 23 09 00.

GEORGIA REGISTERED No. 044771 PROFESSIONAL ENGINEER ANTHONY DERRICK ALLGOOD
01/21/2026

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

DESIGN BY: LLEIBKUCHLER
DRAWN BY: LLEIBKUCHLER
CHECKED BY: G. FAUST
SUBMITTED BY: A. ALLGOOD
SIZE: ANSI D
ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-01
FILE NAME: 18968 143139_M_Central

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FY'25, PN 69262

MECHANICAL CONTROLS - VAV BOX WITH ELECTRIC HEAT

SHEET ID
M-709

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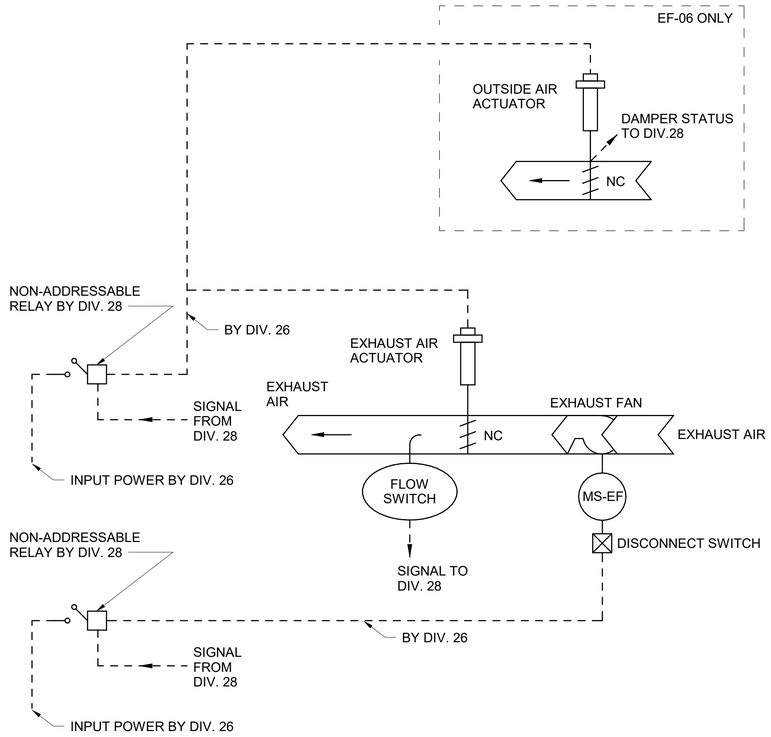


D1 CONTROLS - SMOKE EXHAUST FANS
SCALE:NTS

SEQUENCE OF OPERATION - SMOKE EXHAUST FANS

EF-04, -05, -06

GENERAL: SYSTEM IS NOT CONTROLLED BY THE DDC. EXHAUST FAN SHALL BE INTERLOCKED WITH THE SMOKE EXHAUST SYSTEM, AND SHALL BE PROVIDED WITH CONTROLS THAT PROVIDE POSITIVE CONFIRMATION OF ACTUATION BACK TO THE FIRE ALARM PANEL. THE EXHAUST FAN SHALL HAVE TWO MODES OF OPERATION INICIATED BY THE FIRE ALARM PANEL: "OFF," AND "SMOKE EXHAUST." SMOKE EXHAUST FAN CONTROLS SHALL BE IN ACCORDANCE WITH NFPA 92. REFER TO FIRE PROTECTION DOCUMENTS FOR MORE INFORMATION. SEE SHEET FA501 FOR SMOKE CONTROL STATION DETAILS.

OFF MODE: UPON THE SELECTOR SWITCH BEING PLACED IN THE "OFF" POSITION, THE EXHAUST FAN SHALL BE DISABLED. THE EXHAUST AIR DAMPER SHALL CLOSE.

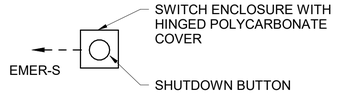
EF-06 ONLY: OUTSIDE AIR DAMPERS ASSOCIATED WITH GRAVITY HOOD GH-05 & GH-06 SHALL CLOSE.

SMOKE EXHAUST:

EF-04 & EF-05: UPON RECEIVING ALARM SIGNAL FROM THE FIRE ALARM SYSTEM THE DAMPER IN THE EXHAUST DUCTWORK SHALL OPEN AND THE EXHAUST FAN SHALL BE ENERGIZED. FLOW SWITCH SHALL SEND SIGNAL TO FIRE ALARM PANEL CONFIRMING AIRFLOW.

EF-06 ONLY: UPON RECEIVING ALARM SIGNAL FROM THE FIRE ALARM SYSTEM THE DAMPER IN THE EXHAUST DUCTWORK SHALL OPEN AND THE OUTSIDE AIR DAMPERS ASSOCIATED WITH GRAVITY HOOD GH-05 & GH-06 SHALL OPEN. THE DAMPER END SWITCH SHALL SEND SIGNAL TO THE FIRE ALARM PANEL CONFIRMING DAMPER IS OPEN AND THE EXHAUST FAN SHALL BE ENERGIZED. FLOW SWITCH SHALL SEND SIGNAL TO FIRE ALARM PANEL CONFIRMING AIRFLOW.

SMOKE EXHAUST FANS SHALL NOT BE DEACTIVATED UPON ACTIVATION OF EMERGENCY SHUTDOWN SWITCH.



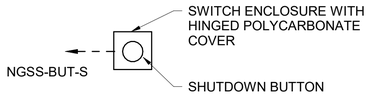
SEQUENCE OF OPERATION - HVAC SYSTEM EMERGENCY SHUTDOWN

GENERAL:
EMERGENCY HVAC SHUTDOWN SWITCH SHALL BE DOUBLE ACTION SWITCH. LABEL SWITCH WITH A PLASTIC LAMINATE PLACARD STATING THE FOLLOWING "EMERGENCY HVAC SHUTDOWN SWITCH" SEE PLANS FOR LOCATIONS OF SWITCHES. SWITCH SHALL BE HARDWIRED TO UNIT.

EQUIPMENT SHUTDOWN:
UPON ACTIVATION OF THE EMERGENCY SHUTDOWN SWITCH EQUIPMENT SHALL SHUTDOWN WITHIN 30 SECONDS AS INDICATED IN THE SEQUENCE OF OPERATION. FANS SHALL BE SHUTDOWN AND UNITS SHALL ENTER OFF MODE.

SMOKE EXHAUST FANS SHALL NOT BE DEACTIVATED UPON ACTIVATION OF EMERGENCY SHUTDOWN SWITCH.

E7 HVAC SYSTEM EMERGENCY SHUTDOWN
SCALE:NTS



SEQUENCE OF OPERATION - NATURAL GAS SYSTEM EMERGENCY SHUTDOWN

GENERAL:
NATURAL GAS SHUTDOWN SWITCH SHALL BE DOUBLE ACTION SWITCH. LABEL SWITCH WITH A PLASTIC LAMINATE PLACARD STATING THE FOLLOWING "NATURAL GAS SHUTDOWN SWITCH" SEE PLANS FOR LOCATION OF SWITCH.

DDC MONITORING:
THE DDC SYSTEM SHALL MONITOR THE STATUS OF THE NATURAL GAS SHUTDOWN SWITCH.

NATURAL GAS VALVE CLOSURE:
UPON ACTIVATION OF THE NATURAL GAS SHUTDOWN SWITCH THE NATURAL GAS MAIN VALVE SHALL CLOSE WITHIN 30 SECONDS AS INDICATED IN THE SEQUENCE OF OPERATION.

A6 NATURAL GAS SHUTDOWN SWITCH CONTROL SCHEMATIC
SCALE:NTS

GEORGIA REGISTERED No. 044771 PROFESSIONAL ENGINEER ANTHONY DERRICK ALLGOOD
01/21/2026

US Army Corps of Engineers ®

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G. FAUST	
SUBMITTED BY:	CATEGORY CODE:
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ANSI D	18968 143139_M_Central

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MECHANICAL CONTROLS - EXHAUST FANS AND EMERGENCY SHUTDOWN

SHEET ID
M-710

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SYMBOLS - POWER

CONDUIT

- EXPOSED CONDUIT - TO SCALE
- CONCEALED CONDUIT - TO SCALE
- EXPOSED CONDUIT - SINGLE LINE
- CONCEALED CONDUIT - SINGLE LINE
- UNDERGROUND DUCTBANK
- CONDUIT ROUTED VERTICALLY

RECEPTACLES

- 120V, NEMA 5-20R, UNO
- RECESSED DUPLEX
- SURFACE SIMPLEX
- RECESSED QUAD
- SURFACE DUPLEX
- CEILING RECESSED DUPLEX
- FLOORBOX. SEE TN SERIES SHEETS FOR FACEPLATE INFORMATION.
- SPECIAL RECEPTACLE
- RECESSED POWER/COMM. SEE TN SERIES SHEETS FOR FACEPLATE INFORMATION.

JUNCTION BOXES

- COORDINATE JUNCTION BOX INSTALLATION WITH NEARBY EQUIPMENT.
- RECESSED IN WALL, UNO
- RECESSED IN FLOOR, UNO

SWITCHES

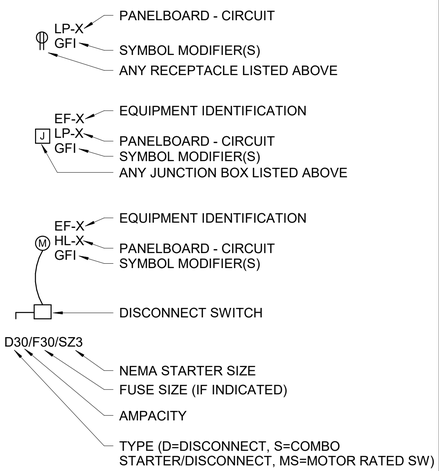
- $_M MOTOR-RATED SWITCH (120V ONLY)
- SAFETY DISCONNECT, MOUNT 48" AFF UNO
- FUSED DISCONNECT, MOUNT 48" AFF UNO
- COMBO DISCONNECT / MOTOR STARTER, MOUNT 48" AFF UNO. NEMA STARTER SIZE AS REQUIRED FOR MOTOR, PROVIDE HAND-OFF-AUTO SWITCH IN COVER.
- COMBO DISCONNECT / ASD, MOUNT 48" AFF UNO. SIZE ASD AS REQUIRED FOR MOTOR.

CONNECTION TYPES

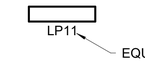
- (M) MECHANICAL / PLUMBING EQUIPMENT CONNECTION. PROVIDE DISCONNECT / STARTER / ASD AS INDICATED ON MECHANICAL / PLUMBING EQUIPMENT PLAN AND SCHEDULES. COORDINATE REQUIREMENTS WITH MECHANICAL CONTRACTOR.
- (F) FIRE EQUIPMENT CONNECTION. COORDINATE REQUIREMENTS WITH FIRE PROTECTION DRAWINGS.
- (E) ELECTRICAL EQUIPMENT CONNECTION. SEE PANEL SCHEDULE FOR FEEDER INFORMATION. COORDINATE REQUIREMENTS WITH MANUFACTURER.
- (HT) HEAT TRACING CONNECTION. COORDINATE REQUIREMENTS WITH PLUMBING DRAWINGS

SYMBOLS - POWER

POWER DEVICES GENERAL INFORMATION



EQUIPMENT



- ELECTRICAL EQUIPMENT INCLUDING, BUT NOT LIMITED TO, TRANSFORMERS, SWITCHBOARDS AND PANELBOARDS ARE DRAWN TO SCALE IN THE PLANS AND ARE CALLED OUT WITH A UNIQUE IDENTIFIER.

SYMBOLS - GROUNDING

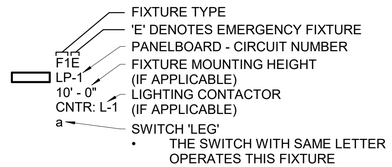
- GROUND ROD
  - SEE EG SERIES SHEET FOR DETAIL
- GROUND TEST WELL
  - SEE EG SERIES SHEET FOR DETAIL
- GROUNDING COUNTERPOISE/CONDUCTOR
  - BURIED, BARE CABLE (EXTERIOR)
  - COPPER, 250KCMIL MINIMUM, UNO
- TELECOMMUNICATIONS BONDING CONDUCTOR
  - COPPER, #4 AWG MINIMUM, UNO
- GROUND BAR
  - SEE EG SERIES SHEET FOR DETAIL
- BOLTED GROUND CONNECTION
- EXOTHERMIC WELDED GROUND CONNECTION
  - SEE EG SERIES SHEET FOR DETAIL

SYMBOLS - LIGHTING

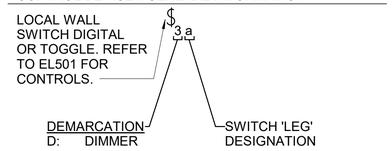
LIGHTING FIXTURES

- REFER TO FIXTURE SCHEDULE FOR FIXTURE TYPE INFORMATION
- LED 2'X4' FIXTURE, UNO
- EMERGENCY LED FIXTURE, PROVIDE INTEGRAL BATTERY PACK UNO (NOTE: ALL FIXTURES NOTED ON PLAN WITH HATCH INDICATE EMERGENCY)
- LED 1'X4' FIXTURE, UNO
- LED 2'X2' FIXTURE, UNO
- LED 1'X2' FIXTURE, UNO
- EXTERIOR WALL-MOUNTED LED FIXTURE, UNO
- LED DOWNLIGHT, UON
- EXIT SIGNS, CEILING: ARROW INDICATES EGRESS
- EXIT SIGNS, WALL: ARROW INDICATES EGRESS

FIXTURE GENERAL INFORMATION



CONTROL DEVICES GENERAL INFORMATION



D: DIMMER
TM: TIMER
OC: OCCUPANCY SENSOR, WALL MOUNTED
3: 3-WAY
4: 4-WAY
LV#: LOW VOLTAGE WALL SWITCH - # INDICATES QUANTITY OF BUTTONS/ZONES; PROVIDE FIXTURES WIRED FOR QTY OF ZONES AS INDICATED BY #

NOTE: NO DEMARCATION OR SWITCH 'LEG' INDICATES THAT THE SWITCH CONTROLS ALL OF THE FIXTURES WITHIN THE SAME ROOM

SYMBOLS - ONE-LINE DIAGRAM

- CONNECTION
- CONTINUATION
- FUSED DISCONNECT SWITCH
- TRANSFORMER
- GROUND
- Δ Y DELTA - WYE TRANSFORMER CONNECTION
- DM DIGITAL METER. PROVIDE DIGTIAL METER WITH ETHERNET COMMUNICATION TO DDC BACNET SYSTEM. COORDINATE DDC LOCATIONS WITH MECHANICAL DISCPLINE.
- SPD SURGE PROTECTION DEVICE
- G1 GENERATOR
- ST SHUNT TRIP
- KWH KILOWATT HOUR METER
- CIRCUIT BREAKER
- SWITCH
- DISCONNECT SWITCH
- SPECIAL RECEPTACLE
- CP1 PANELBOARD (PANELBOARD NAMED 'CP1')
- AUTOMATIC TRANSFER SWITCH
- G N NEUTRAL CONNECTION TO GROUND

SYMBOL MODIFIERS

AC	ABOVE COUNTER MOUNTING
AV	AUDIOVISUAL
EWC	ELECTRIC WATER COOLER
F	RECESSED IN FLOOR
GFI	GROUND FAULT CIRCUIT INTERRUPTER
REF	REFRIGERATOR
SW: XX	CONTROLLED BY SWITCH LABELED "XX"
TV	TELEVISION
UC	UNDER COUNTER MOUNTING
WP	WEATHERPROOF, WITH GFI
WPIU	WEATHERPROOF IN USE, WITH GFI

SYMBOLS - SITE

- -COMM- UNDERGROUND COMMUNICATION DUCTBANK
- -E- UNDERGROUND ELECTRICAL DUCTBANK
- POLE MOUNTED LIGHT FIXTURE. POLE AND LIGHT BY CEMC
- HH HANDHOLE
- MH MANHOLE
- CAMERA (GFGI)

LEGEND NOTES

1. SYMBOLS ORIENTATION DOES NOT IMPLY DEVICE OR EQUIPMENT ORIENTATION UNLESS NOTED AS SUCH. SEE REFLECTED CEILING PLANS FOR LIGHT FIXTURE POSITIONS AND ORIENTATIONS.
2. SYMBOL SIZE DOES NOT IMPLY EQUIPMENT SIZE, UON.
3. MOUNTING HEIGHT INDICATED IN LEGEND AND ON THE DRAWINGS SHALL BE THE DISTANCE MEASURED FROM THE CENTER OF THE DEVICE TO THE FINISHED FLOOR.
4. NOT ALL SYMBOLS ON THIS SHEET ARE USED AS PART OF THIS PROJECT.

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

DESIGN BY:	H. DAS
DRAWN BY:	H. DAS
CHECKED BY:	C. KLOS
SUBMITTED BY:	N. PEREZ
SIZE:	ANSI D
ISSUE DATE:	JANUARY, 2026
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ELECTRICAL SYMBOLS AND LEGEND

NGUYEN PEREZ LICENSE No. 72149 STATE OF FLORIDA PROFESSIONAL ENGINEER

1/21/2026

SHEET ID
E-001

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GENERAL NOTES:

1. ALL CONDUCTORS SHALL BE RUN IN CONDUIT, AND ALL CONDUIT SHALL BE CONCEALED UNLESS OTHERWISE NOTED ON THE DRAWINGS.
2. ALL NEW SWITCHBOARDS AND PANELBOARDS SHALL BE FIELD MARKED TO WARN QUALIFIED PERSONS OF POTENTIAL ELECTRIC ARC FLASH HAZARD IN ACCORDANCE WITH NFPA 70 AND 70E.
3. ELECTRICAL CONTRACTOR MUST COORDINATE WITH ALL OTHER DISCIPLINE CONTRACTORS REGARDING ELECTRICAL REQUIREMENTS OF ACTUAL EQUIPMENT PROVIDED.
4. MOUNTING HEIGHT FOR LIGHT FIXTURES SHALL BE FROM THE BOTTOM OF FIXTURES TO THE FINISHED FLOOR OR GRADE.
5. ALL ELECTRICAL WORK SHALL COMPLY WITH NEC (NFPA 70), NFPA 72, NFPA 101, AND UNIFORM FACILITY CRITERIA, OR TECHNICAL LETTERS, IN ADDITION TO LOCAL CODES AND ORDINANCES.
6. ALL GROUNDING SHALL COMPLY WITH NFPA 70, ARTICLE 250 FOR ELECTRICAL SYSTEMS AND NEC ARTICLE 800 AND TIA-607-B FOR TELECOMMUNICATIONS SYSTEMS.
7. PROVIDE A GREEN CONTINUOUS INSULATED EQUIPMENT GROUNDING CONDUCTOR TO ALL ELECTRICAL, TELECOMMUNICATIONS AND SECURITY EQUIPMENT SIZED PER NEC ARTICLE 250.
8. ALL CONDUCTORS SHALL BE COPPER.
9. ALL ELECTRICAL EQUIPMENT AND OUTLET INSTALLATION LOCATIONS SHALL BE COORDINATED WITH FURNITURE INSTALLATION.
10. COORDINATE PENETRATIONS IN FIRE RATED WALLS WITH DETAILS SHOWN ON ARCHITECTURAL DRAWINGS.
11. ALL NEW FLOOR MOUNTED ELECTRICAL EQUIPMENT INCLUDING BUT NOT LIMITED TO SWITCHBOARDS, TRANSFORMERS, MOTOR CONTROL CENTERS, AND POWER CONDITIONERS SHALL BE MOUNTED ON A CONCRETE EQUIPMENT PAD IN ACCORDANCE WITH STRUCTURAL DETAILS.
12. AIC RATING LISTED ON ELECTRICAL EQUIPMENT IS A MINIMUM RATING.
13. UNLESS OTHERWISE NOTED, ALL CIRCUIT BREAKERS RATED AT 400A AND LARGER SHALL BE 100 PERCENT RATED ASSEMBLIES.
14. PER UFC 3-560-01, NORMAL MAINTENANCE IS NOT AUTHORIZED TO BE PERFORMED 'HOT' ON DISCONNECTS, STARTERS AND ASDs. WORKING CLEARANCES FOR SUCH DEVICES TAKE INTO ACCOUNT ADJACENT PIPING OR DUCTWORK WHICH MAY BE WITHIN VOLUME OF WORKING AREA IF WORK WAS TO BE PERFORMED HOT. REASONABLE ACCESS HAS BEEN TAKEN INTO ACCOUNT.
15. ALL EXTERIOR RECEPTACLES SHALL HAVE RECESSED OUTLET BOX, AND BE GFI PROTECTED, AND BE WEATHERPROOF WHILE IN USE.
16. FURNISH ALL LABOR AND TOOLS NECESSARY, AND INSTALL ALL MATERIALS AND EQUIPMENT IN A FASHION COMPLYING WITH THE 2017 EDITION OF NFPA 70 (NATIONAL ELECTRICAL CODE) AND ALL APPLICABLE CODES AND AUTHORITY HAVING JURISDICTION REQUIREMENTS, INCLUDING ITEMS REQUIRED BUT NOT NECESSARILY SHOWN SUCH AS LAMPS, COUPLINGS, HANGERS, BRACKETS, CLAMPS, BOXES, CONNECTORS AND HARDWARE.
17. FURNISH ALL LABOR AND TOOLS NECESSARY, AND INSTALL ALL MATERIALS AND EQUIPMENT IN A FASHION COMPLYING WITH THE LATEST EDITION OF NFPA 70 (NATIONAL ELECTRICAL CODE 2023) AND ALL APPLICABLE CODES AND AUTHORITY HAVING JURISDICTION REQUIREMENTS, INCLUDING ITEMS REQUIRED BUT NOT NECESSARILY SHOWN SUCH AS LAMPS, COUPLINGS, HANGERS, BRACKETS, CLAMPS, BOXES, CONNECTORS AND HARDWARE.
18. THE CONTRACTOR MUST COORDINATE WITH THE ARCHITECTURAL, MECHANICAL, STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR EXACT LOCATION OF EQUIPMENT. ALL WORK MUST BE COORDINATED WITH THE WORK OF OTHER TRADES TO AVOID INTERFERENCE. REFER TO MECHANICAL DRAWINGS FOR PIPES, DUCTS, AND MECHANICAL EQUIPMENT.
19. CONTRACTOR MUST COORDINATE ALL WORK WITH THE OWNER. THE CONTRACTOR MUST TAKE INTO ACCOUNT SPECIAL OPERATING REQUIREMENTS WHICH MAY AFFECT NORMAL WORKING AND ACCESS CONDITIONS.
20. THE CONTRACTOR MUST FURNISH ALL PERMITS AND TESTS REQUIRED.
21. RACEWAYS ON PLAN DRAWINGS ARE SHOWN DIAGRAMMATICALLY. SELECT THE MOST FEASIBLE ROUTING BASED ON FIELD CONDITIONS AND COORDINATION WITH OTHER TRADES.
22. CONDUCTORS FROM DISCONNECT TO MOTORS MUST BE OF THE SAME SIZE AS FROM STARTER TO DISCONNECT. CONDUCTORS FROM VFDS TO MOTORS SHALL BE VFD SHIELDED CABLE.
23. COORDINATE NEW UNDERGROUND WORK WITH NEW AND EXISTING UNDERGROUND UTILITIES BEFORE INSTALLATION. OBTAIN UNDERGROUND UTILITY LOCATE SERVICE PRIOR TO UNDERGROUND WORK.
24. WIRES AND CABLES MUST BE RUN CONTINUOUSLY WITHOUT SPLICING, FROM SOURCE TO LOAD.
25. ELECTRODE SYSTEM CONDUCTOR SPLICING AND BONDING MUST BE ACCOMPLISHED BY EXOTHERMIC WELDING UNLESS OTHERWISE NOTED.
26. ALL WALL AND FLOOR PENETRATIONS INTO FIRE RATIO RATED WALLS MUST BE SEALED WITH UL LISTED FIRE SEALANT IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
27. LOCATIONS OF ALL EQUIPMENT ARE TENTATIVE. FINAL LOCATIONS MUST SUIT SPACE AND EQUIPMENT CONDITIONS. COORDINATE AND MAINTAIN WORKING SPACE REQUIREMENTS PER NEC.
28. INSTALLATION OF ALL ELECTRICAL EQUIPMENT MUST BE CAREFULLY COORDINATED WITH EXISTING CONDITIONS TO AVOID POSSIBLE INTERFERENCE PROBLEMS.
29. ALL CONDUCTORS MUST BE INDENTIFIED AT EACH JUNCTION BOX, OUTLET BOX, CABINET, PULL BOX, ETC., WITH VINYL CLOTH SELF-ADHESIVE TAGS SHOWING PANEL AND CIRCUIT NUMBERS, CONTROL WIRE NUMBERS OR OTHER APPROPRIATE INFORMATION SUCH AS "ROOM 101 POWER".
30. SYMBOL SIZE DOES NOT IMPLY EQUIPMENT SIZE, UNO.
31. ALL EQUIPMENT MUST BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.

GENERAL NOTES CONTINUED:

32. COORDINATE LOCATION OF ALL ELECTRICAL SWITCHBOARDS, PANELS, DISTRIBUTION BOARDS, AND MOTOR CONTROL CENTERS WITH OTHER TRADES. PROVIDE ALL NECESSARY WORKING SPACE AND DEDICATED SPACE AS REQUIRED BY NEC. DUCTWORK PIPING, AND MECHANICAL EQUIPMENT MUST NOT BE ROUTED OVER ELECTRICAL PANELS, TRANSFORMERS OR OTHER ELECTRICAL EQUIPMENT. WHERE THE DEDICATED SPACE ABOVE ELECTRICAL EQUIPMENT CONTAINS FOREIGN SYSTEMS SUCH AS PLUMBING PIPE, THE SELLER MUST FURNISH AND INSTALL DRIP PANS TO PROTECT THE EQUIPMENT FROM CONDENSATION, LEAKS, OR BREAKS IN FOREIGN SYSTEMS PER NEC ARTICLE 110.26 (E) (1)(b).
33. ALL NEW OUTLET FINISHES TO BE COORDINATED WITH ARCHITECT. THE SELLER MUST FURNISH AND INSTALL DEVICES AND COVER PLATES AS DIRECTED.
34. CONTRACTOR MUST COORDINATE AND VERIFY CONFIGURATION OF SPECIAL-PURPOSE OUTLETS INDICATED ON PLANS WITH ACTUAL EQUIPMENT.
35. ALL ELECTRICAL OUTAGES MUST BE COORDINATED WITH THE COMPANY IN ACCORDANCE WITH PROJECT SPECIFICATIONS.
36. ALL EXTERIOR ENCLOSED DISCONNECT SWITCHES AND CIRCUIT BREAKERS MUST BE NEMA 3R, UNLESS OTHERWISE NOTED.
37. DUCT ROUTES SHOWN ON SITE PLANS ARE INDICATIVE ONLY AND SHOULD BE DEVELOPED BY THE CONTRACTOR TO FURNISH A COMPREHENSIVE EXTERNAL CONTAINMENT SYSTEM.
38. EXISTING EQUIPMENT AND DEVICES SHOWN ARE BASED ON FIELD OBSERVATION. THE CONTRACTOR MUST VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK. DEVICES DISCOVERED DURING CONSTRUCTION MUST BE INDICATED ON THE AS-BUILT DRAWINGS BY THE CONTRACTOR.
39. ALL UNDERGROUND DUCT BANKS OR CONDUITS MUST BE CONCRETE ENCASED.
40. DEVICE COORDINATION: PRIOR TO ROUGH-IN OF ELECTRCIAL DEVICES INCLUDING RECEPTACLES, FLOOR BOXES, JUNCTION BOXES, SWITCHES, SECURITY DEVICES ETC COORDINATE LOCATIONS WITH OTHER TRADES INCLUDING BUT NOT LIMITED CARPENTRY, MILLWORK, FIRE SUPPRESSIONS/FIRE ALARM SYSTEMS, MECHANICAL, AND FURNITURE SYSTEMS, SCHEDULE A MEETING WITH OTHER TRADES AS NECESSARY FOR COORDINATION.
41. ELECTRICAL ROOM AND EXTERIOR EQUIPMENT LAYOUTS: FURNISH SKETCHES OF ELECTRICAL EQUIPMENT LAYOUTS FOR REVIEW AS REQUIRED BASED ON THE EQUIPMENT SELECTED. MAINTAIN PROPER CLEARANCES PER NEC. WHERE REQUIRED TO MAINTAIN CLEARANCES, TRANSFORMERS IN THE ROOM MAY BE STACKED PER NEC.
42. SEE ARCHITECTURAL DRAWINGS FOR ALL WALL, FLOOR AND CEILING PENETRATIONS.
43. SURGE PROTECTIVE DEVICES (SPD): SPD'S MUST BE FURNISHED ON PANELBOARDS AS INDICATED ON THE ELECTRICAL ONE-LINE DIAGRAM SHEETS, SPD'S MUST BE SEPARATE FROM PANELBOARDS. SPD'S MUST BE MOUNTED TO THE SIDE OR TOP OF PANEL. MOUNT AS NECESSARY TO SAVE WALL SPACE FOR FUTURE EQUIPMENT. LEADS MUST BE AS SHORT AS POSSIBLE (18" MAXIMUM). THE SELLER MUST FURNISH AND INSTALL CIRCUIT AND CONDUCTORS PER MFR RECS.
44. FURNISH AND INSTALL UL RATED FIRESTOP ASSEMBLIES FOR CABLE TRAY AND CONDUIT PENETRATIONS THROUGH FIRE AND SMOKE RATED WALLS. SEE ARCHITECTURAL SHEETS FOR ADD'L INFO.
45. CIRCUIT BREAKERS AND CONDUCTORS SUPPLYING VFDS AND THE VFDS LOADS SHALL COMPLY WITH NEC 430 PART X. ADJUST CIRCUIT BREAKER SIZES AND CONDUCTORS ACCORDINGLY TO COMPLY WITH THE NEC. VFD OUTPUT CABLES MUST BE VFD SHIELDED CABLE.
46. PROVIDE MOUNTING ON ALL OVERHEAD UTILITIES AND OTHER FIXTURES WEIGHING 31 POUNDS OR MORE TO MINIMIZE THE LIKELIHOOD THAT THEY WILL FALL. DESIGN ALL EQUIPMENT TO RESIST FORCES OF 0.5 TIMES THE EQUIPMENT WEIGHT IN ANY DIRECTION AND 1.5 TIMES THE EQUIPMENT WEIGHT IN THE DOWNWARD DIRECTION.
47. ALL POLE MOUNTED LIGHT FIXTURES SHALL BE MOUNTED A MINIMUM OF 3' BEHIND CURB OR SIDEWALK MEASURED FROM THE EDGE OF CURB OR SIDEWALK TO THE EDGE OF THE LIGHT POLE FOUNDATION BASE. ALL POLE MOUNTED LIGHT FIXTURES LOCATED IN LANDSCAPE ISLANDS SHALL BE CENTERED IN THE ISLAND.
48. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ADDITIONAL CIRCUITS AS NECESSARY FOR FIRE ALARM CONTROL PANEL, AND FIRE ALARM POWER EXTENDER PANELS THROUGHOUT THE BUILDING (INCLUDING WIRE AND CONDUIT). ROUTE TO NEAREST PANEL WITH AVAILABLE SPARE. COORDINATE CIRCUITS WITH FIRE ALARM SHOP DRAWING SUBMITTAL. NEW FIRE ALARM SYSTEMS SHALL BE TESTED AND CERTIFIED UPON COMPLETION OF MODIFICATIONS AND INSTALLATIONS.

NGUYEN PEREZ LICENSE No. 72149 STATE OF FLORIDA PROFESSIONAL ENGINEER

1/21/2026

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

DESIGN BY: H. DAS	ISSUE DATE: JANUARY, 2026
DRAWN BY: H. DAS	SOLICITATION NO.: W912HN-26-B-A003
CHECKED BY: C. KLOS	CONTRACT NO.:
SUBMITTED BY: N. PEREZ	CATEGORY CODE: 141-001-01
SIZE: ANSI D	FILE NAME: 189818_E_Central

U.S. ARMY CORPS OF ENGINEERS
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ELECTRICAL GENERAL NOTES

SHEET ID
E-002

READY TO ADVERTISE (RTA)

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ARC FLASH LABEL FOR EQUIPMENT

1. PROVIDE SELF-ADHESIVE VINYL LABEL TO AFFIX TO ELECTRICAL EQUIPMENT TO WARN OF ARC FLASH HAZARDS.
2. THE LABEL FORMAT AND TEXT MUST BE IN ACCORDANCE WITH THE FIGURE BELOW.
3. THE LABEL MUST BE LOCATED ON THE EQUIPMENT TO BE CLEARLY VISIBLE TO QUALIFIED PERSONS BEFORE EXAMINATION, ADJUSTMENT, SERVICING, OR MAINTENANCE OF THE EQUIPMENT.
4. THE SIZE OF THE LABEL MUST BE:

EQUIPMENT	TYPE HEIGHT	WIDTH
INDOOR	2in	3in
OUTDOOR	4in	6in

5. A DOWNLOADABLE WINDOWS METAFILE IS AVAILABLE ON THE WHOLE BUILDING DESIGN GUIDE WEBSITE (WWW.WDBG.ORG) FOR USE IN A LABEL MAKING MACHINE.
   A. THE FILE IS LOCATED ON THE "NAVFAC CADD DETAILS" PAGE. TO NAVIGATE TO THIS LOCATION, FOLLOW: HOME > DOCUMENTS & REFERENCES > CCB > CADD LIBRARY > NAVFAC CADD RESOURCES > NAVFAC CADD DETAILS.
6. PROVIDE ARC FLASH WARNING LABELS ON ELECTRICAL EQUIPMENT LIKELY TO REQUIRE EXAMINATION, SERVICING, OR MAINTENANCE WHILE ENERGIZED. EQUIPMENT MUST INCLUDE BUT NOT LIMITED TO INCLUDE PAD-MOUNTED TRANSFORMERS, SWITCHGEAR, SWITCHBOARDS, PANELBOARDS, DISCONNECT SWITCHES, INDUSTRIAL CONTROL PANELS, AND METER SOCKET ENCLOSURES.
7. PROVIDE A COPY OF THE ARC FLASH STUDY REQUIRED BY SECTION 26 28 01.00 10 POSTED IN THE ELECTRICAL ROOM.

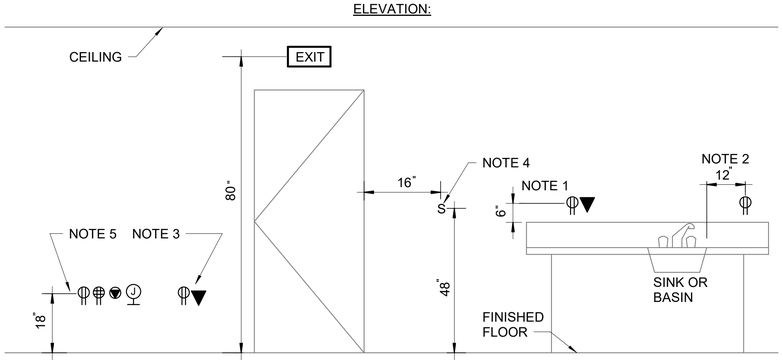
ABBREVIATIONS

ABBR	TEXT
A	AMPERES
AC	ALTERNATING CURRENT
ACS	ACCESS CONTROL SYSTEM
AFF	ABOVE FINISHED FLOOR
AIC	AMPERES INTERRUPTING CAPACITY
AMP	AMPLIFIER
ASD	ADJUSTABLE SPEED DRIVE
ATS	AUTOMATIC TRANSFER SWITCH
AV	AUDIO/VIDEO
AWG	AMERICAN WIRE GAUGE
BB	BUCK BOOST TRANSFORMER
CAT	CATEGORY
CATV	CABLE TELEVISION
CCTV	CLOSED CIRCUIT TELEVISION
CEMC	CANOOCHEE ELECTRIC MEMBERSHIP CORPORATION
CO	COPIER
COMM	COMMUNICATIONS
COR	CONTRACTING OFFICER'S REPRESENTATIVE
CPP	COPPER HORIZONTAL PATCH PANEL
CT	CABLE TRAY
DDC	DIRECT DIGITAL CONTROLS
EF	EXHAUST FAN
EMT	ELECTRICAL METALLIC TUBING
EPA	ENVIRONMENTAL PROTECTION AGENCY
FPP	FIBER OPTIC PATCH PANEL
FT	FEET OR FOOT
G OR GND	GROUND
GB	GROUND BUSBAR
GFCI	GOVERNMENT FURNISHED CONTRACTOR INSTALLED
GFE	GOVERNMENT FURNISHED EQUIPMENT
GFGI	GOVERNMENT FURNISHED AND INSTALLED
GFI	GROUND FAULT INTERRUPTER
GRS	GALVANIZED RIGID STEEL CONDUIT
HOA	HAND-OFF-AUTO SWITCH
HT	HEAT TRACE
HZ	HERTZ
I3A	INSTALLATION INFORMATION INFRASTRUCTURE ARCHITECTURE
IDS	INTRUSION DETECTION SYSTEM
IN	INCANDESCENT
K	KILO
KAIC	KILO AMPERE INTERRUPTING CAPACITY
KCMIL	THOUSAND CIRCULAR MILS
KVA	KILOVOLT AMPERES

ABBR	TEXT
KWH	KILOWATT HOURS
LPS	LIGHTNING PROTECTION SYSTEM
LW	LOCKABLE WIREWAY
MAX	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MDP	MAIN DISTRIBUTION PANEL
MGB	MAIN GROUND BUSBAR
MH	MANHOLE
MTD	MOUNTED
N	NEUTRAL CONDUCTOR
NAC	NOTIFICATION APPLIANCE CIRCUIT BOOSTER POWER SUPPLY
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURER ASSOCIATION
NESC	NATIONAL ELECTRICAL SAFETY CODE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIPR	NON-CLASSIFIED INTERNET PROTOCOL ROUTING
NTS	NOT TO SCALE
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
P	POLE
PCB	POLYCHLORINATED BIPHENYL
PIR	PASSIVE INFRARED
PPE	PERSONAL PROTECTIVE EQUIPMENT
PVC	POLYVINYL CHLORIDE
RCP	REFLECTED CEILING PLAN
RCPT	RECEPTACLE
RM	ROOM
SM	SINGLE MODE
SPD	SURGE PROTECTIVE DEVICE
SPECS	CONTRACT SPECIFICATIONS
TGB	TELECOMMUNICATIONS GROUND BUSBAR
TMGB	TELECOMMUNICATIONS MAIN GROUND BUSBAR
TR	TELECOMMUNICATIONS ROOM
TYP	TYPICAL
UFC	UNIFIED FACILITIES CRITERIA
UL	UNDERWRITERS' LABORATORIES
UNO	UNLESS NOTED OTHERWISE
UTP	UNSHIELDED TWISTED PAIR
V	VOLTS
VA	VOLT AMPERES
VGA	VIDEO GRAPHICS ARRAY
W	WIRE OR WATT
WM	WIRE MANAGEMENT
WPIU	WEATHERPROOF WHILE IN USE, INCLUDES GFI PROTECTION
XFMR	TRANSFORMER
Z	IMPEDANCE

TYPICAL DEVICE MOUNTING DETAIL AND NOTES

ELEVATION:



TYPICAL DEVICE MOUNTING HEIGHTS (UON):

AC	ABOVE COUNTER, SEE "DEVICE MOUNTING NOTES", (NOTE 1)
CO	COPIER, 18" AFF
REF	REFRIGERATOR, 48" AFF
TV	TELEVISION, 60" AFF (NOTE 6)
UC	UNDER COUNTER, 18" AFF

1. COORDINATE ABOVE COUNTER DEVICES AND RECEPTACLES WITH CASEWORK OR COUNTERS SUCH THAT THE DEVICES AND RECEPTACLES ARE LOCATED AT +42" AFF OR 6" ABOVE THE COUNTERTOP OR BACKSPLASH, WHICHEVER IS HIGHER.
2. ALL RECEPTACLES INSTALLED WITHIN 6'-0" OF ANY SINK BASIN SHALL HAVE GFI PROTECTION. DO NOT INSTALL RECEPTACLES WITHIN 12" OF THE EDGE OF A SINK OR BASIN.
3. COORDINATE WITH THE COMMUNICATIONS DRAWINGS TO ENSURE THAT A DUPLEX RECEPTACLE IS INSTALLED WITHIN 18" HORIZONTAL TO ALL SIGNAL AND DATA DEVICE LOCATIONS.
4. SWITCHES AND OTHER FLUSH WALL-MOUNTED DEVICES SHALL BE MOUNTED WITHIN 16" OF DOOR FRAME. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR DOORS WITH ADJACENT SIDELIGHTS. WHERE DEVICES ARE SHOWN ADJACENT TO THE DOOR ON THE HINGE-SIDE OF THE DOOR, AND THE DOOR SWINGS IN A MANNER THAT SHALL BLOCK THE DEVICE, MOUNT THE DEVICE 12" BEYOND THE DOOR SWING. COORDINATE ROUGH-IN LOCATIONS WITH DIV. 27 AND 28 DEVICES AS WELL. COORDINATE MOUNTING LOCATION WITH OTHER TRADES TO ENSURE A UNIFORM MOUNTING AND AESTHETICALLY-PLEASING APPEARANCE.
5. MOUNTING HEIGHT INDICATED IN LEGEND AND ON THE DRAWINGS SHALL BE THE DISTANCE MEASURED FROM THE CENTER OF THE DEVICE TO THE FINISHED FLOOR.
6. COORDINATE FINAL RECEPTACLE HEIGHT AND LOCATION WITH ARCHITECTURAL,INTERIOR, AND TN PLANS.
7. COORDINATE FINAL RECEPTACLE HEIGHT AND LOCATION WITH MANUFACTURER REQUIREMENTS.
8. TYPICAL RECEPTACLE MOUNTING, SEE NOTES 1-7.

1/21/2026

US Army Corps of Engineers ®

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CONTRACT NO.:
CATEGORY CODE: 141-001-401
FILE NAME: 189818_E_Central
SIZE: ANSI D

DESIGN BY: H. DAS
DRAWN BY: H. DAS
CHECKED BY: C. KLOS
SUBMITTED BY: N. PEREZ

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ELECTRICAL GENERAL NOTES

SHEET ID
E-003

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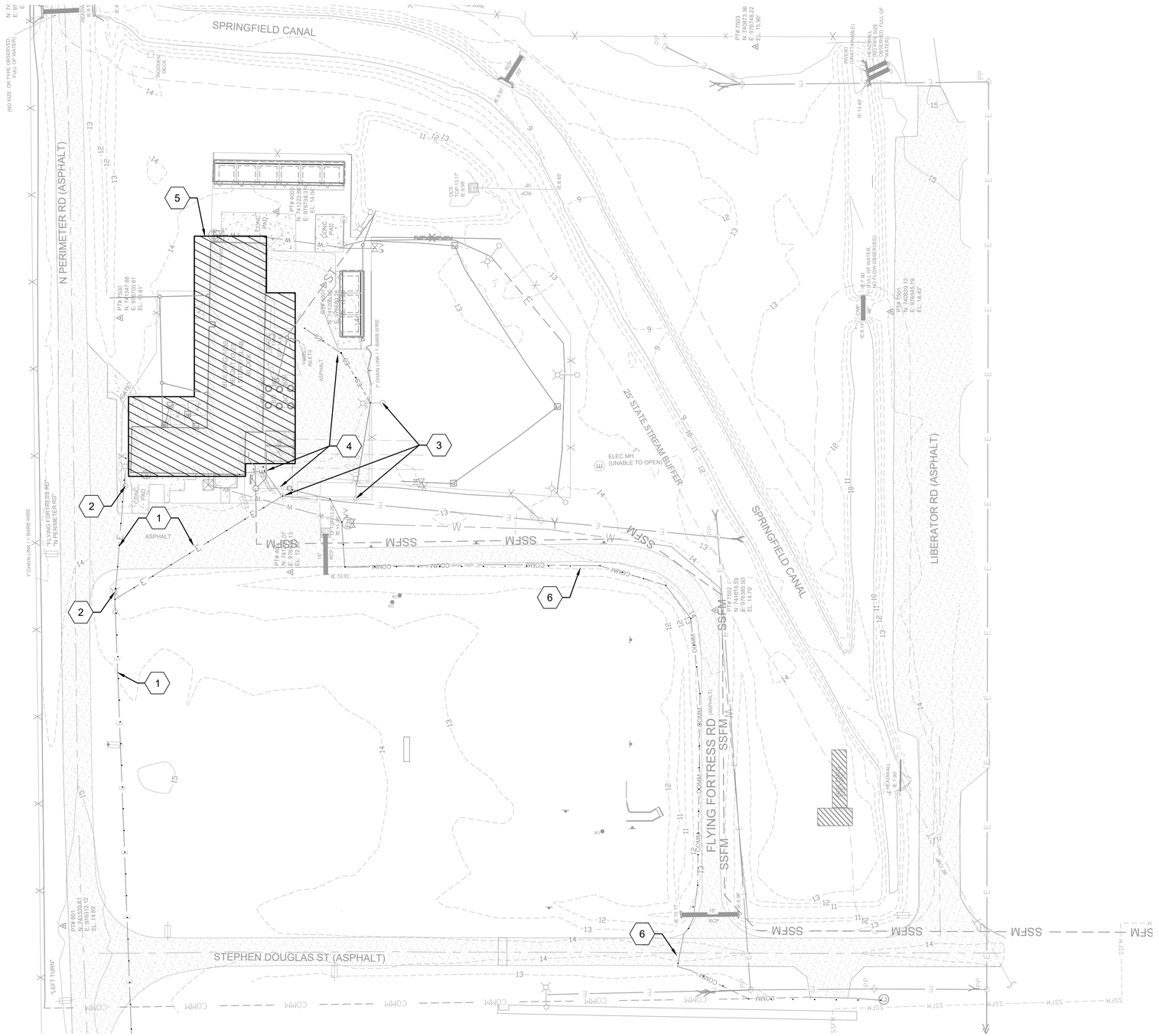

GENERAL NOTES

1. SEE SHEET SHEET E-001 AND E-002 FOR GENERAL SHEET NOTES, LEGEND, AND ABBREVIATIONS.
2. EXISTING EQUIPMENT AND DEVICES SHOWN ARE BASED ON SURVEY DATA AND FIELD OBSERVATIONS. VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
3. ALL REQUIRED POWER OUTAGES MUST BE SCHEDULED AND COORDINATED WITH CONTRACTING OFFICER, CANOOCHEE ELECTRIC MEMBERSHIP CORPORATION, AND HUNTER ARMY AIRFIELD.
4. FOLLOW ALL OSHA, NESC, NEC, NFPA 70E GENERAL SAFETY, ELECTRICAL REQUIREMENTS DURING CONSTRUCTION.
5. DISPOSE OF ALL FLUORESCENT LAMPS AND HIGH INTENSITY DISCHARGE FIXTURES BY SHIPPING TO AN EPA APPROVED FACILITY FOR RECYCLING IN ACCORDANCE WITH APPLICABLE LAW FOR UNIVERSAL HAZARDOUS WASTE.
6. EXISTING PRE-1980 LAMP BALLAST AND BALLAST NOT MARKED "NO PCB" OR ARE NOT DATED WITH MANUFACTURING DATE MUST BE ASSUMED TO CONTAIN PCB. THE BALLAST MUST BE DISPOSED BY SHIPPING THE BALLAST TO AN EPA APPROVED PCB DISPOSAL FACILITY.

(#) SHEET KEYNOTES

1. CANOOCHEE ELECTRIC MEMBERSHIP CORPORATION TO DEMOLISH OVERHEAD CONDUCTORS, CABLING, AND ASSOCIATED EQUIPMENT.
2. CANOOCHEE ELECTRIC MEMBERSHIP CORPORATION TO DEMOLISH LIGHT POLE.
3. EXISTING POWER POLE TO REMAIN.
4. DEMOLISH SECONDARY CONDUCTORS, DUCTBANK, AND HANDHOLE.
5. DEMOLISH ALL ELECTRICAL. COORDINATE DEMOLITION WITH OTHER DISCIPLINES.
6. ABANDON-IN-PLACE EXISTING COMMUNICATIONS DUCTBANK. DEMOLISH AND REMOVE PORTIONS IN CONFLICT WITH NEW WORK.

DEMOLITION HATCH LEGEND

DEMOLISH AND REMOVE ALL ELECTRICAL EQUIPMENT WITHIN HATCH AREA

DEMOLISH AND REMOVE DUCTBANK AND ASSOCIATED EQUIPMENT AS NOTED.

NGUYEN PEREZ LICENSE No. 72149 STATE OF FLORIDA PROFESSIONAL ENGINEER

1/21/2026

A1 ELECTRICAL DEMOLITION PLAN

SCALE 1" = 40'

PLAN NORTH

0 40' 80'

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US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY:	H. DAS
DRAWN BY:	H. DAS
CHECKED BY:	C. KLOS
SUBMITTED BY:	M. PEREZ
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FY25, PN: 69262

ELECTRICAL DEMOLITION PLAN

SHEET ID
ED101

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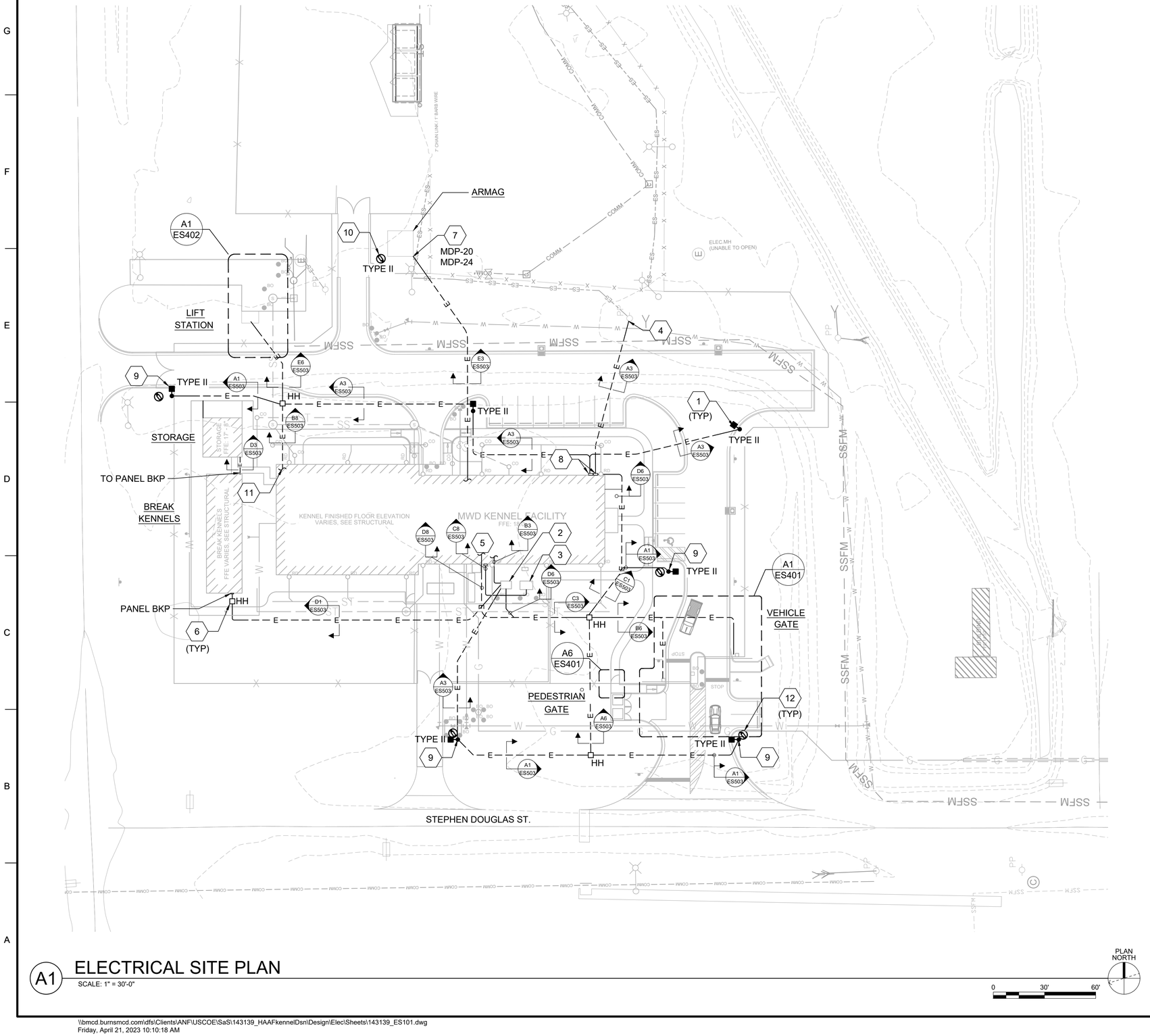
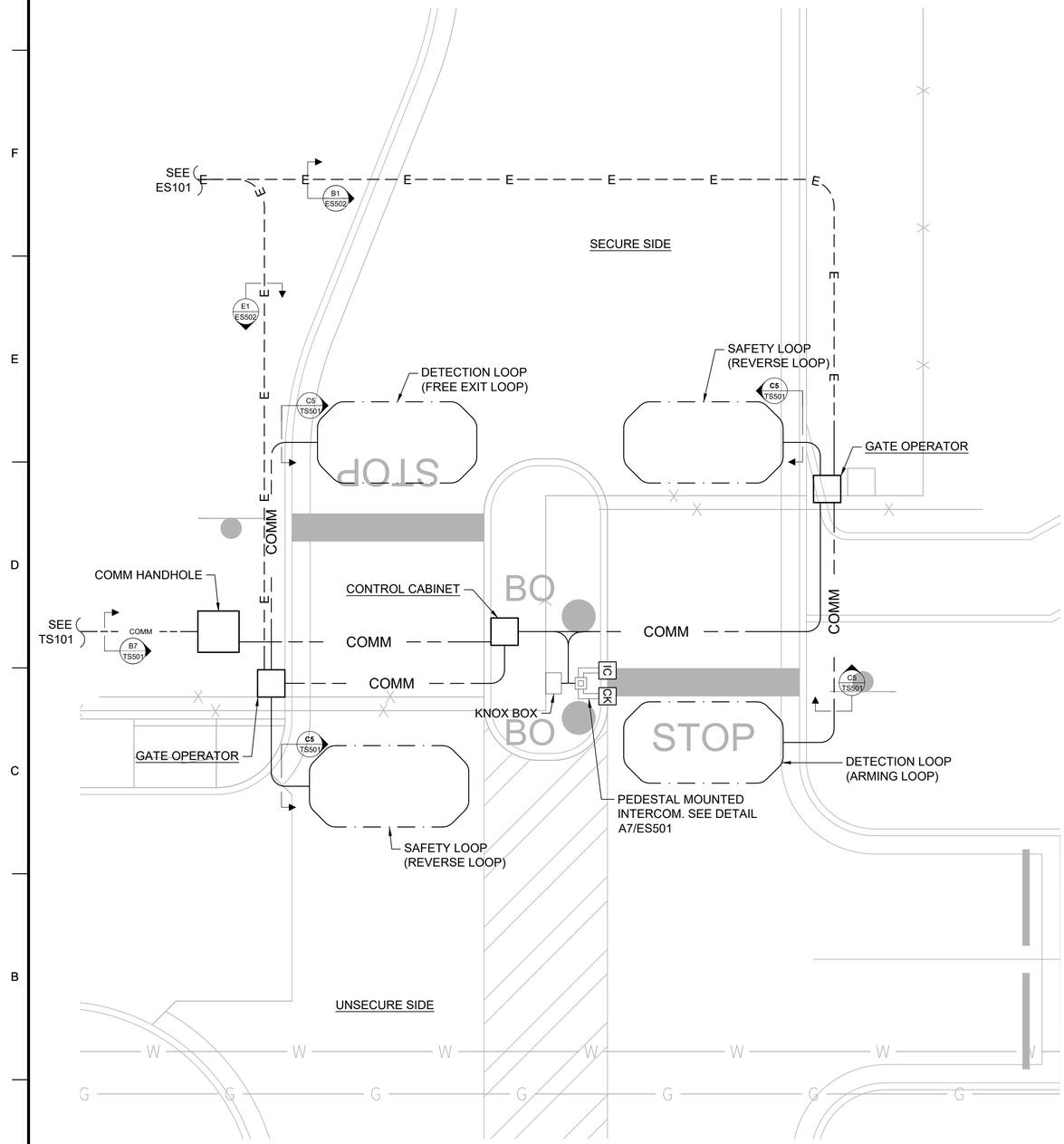

ARMAG
A1
ES402
LIFT
STATION
TYPE II
MDP-20
MDP-24
ELEC.MH
(UNABLE TO OPEN)
SSFM
HH
STORAGE
STORAGE
FFE: 17'-8"
TO PANEL BKP
BREAK
KENNELS
BREAK KENNELS
FFE VARIES, SEE STRUCTURAL
KENNEL FINISHED FLOOR ELEVATION
VARIES, SEE STRUCTURAL
MWD KENNEL FACILITY
FFE: 17'-8"
PANEL BKP
(TYP)
A1
ES401
VEHICLE
GATE
A6
ES401
PEDESTRIAN
GATE
STOP
(TYP)
SSFM
SSFM
SSFM

GENERAL NOTES

1. SEE SHEET SHEET E-001, E-002, AND E-003 FOR GENERAL SHEET NOTES, LEGEND, AND ABBREVIATIONS.
2. SEE ES503 AND TS501 FOR DUCTBANK SECTION DETAILS AS INDICATED.
3. PEDESTAL, KNOX BOX, AND CARD READERS ARE NOT TO SCALE AND ONLY SHOWN FOR DIAGRAMMATIC PURPOSES.
4. ROUTING SHOWN IS DIAGRAMMATIC. ROUTE CONDUITS TO BEST AVOID EXISTING STRUCTURES AND UTILITIES.
5. ROUTE CONDUITS TO ELECTRICAL ROOM.
6. ACCESS THROUGH AUTOMATED VEHICLE GATE MUST UTILIZE CARD READER AND KEYPAD CONTROL. ACCESS THROUGH PEDESTRIAN GATE MUST UTILIZE CARD READER CONTROL. CARD READER, INTERCOM, AND KEYPAD WILL BE GFGI.
7. ALL DUCTBANK BACKFILL MATERIALS MUST INCLUDE MATERIAL THAT IS FREE OF DEBRIS ROOTS, ORGANIC MATTER, REFUSE, CINDERS, FROZEN MATTER AND ALSO FREE OF ROCK WITH A DIMENSION GREATER THAN 2 INCHES, MINIMUM COVER FOR CONDUIT MUST BE 24".
8. PROVIDE CONCRETE ENCASED DUCTBANK WHERE CONDUIT RUNS UNDER ROADWAY OR DRIVEWAY. CONCRETE MUST EXTEND A MINIMUM OF 5 FEET BEYOND ROADWAY, DRIVEWAY, OR PARKING LOT. REFER TO CIVIL UTILITY DETAILS FOR PAVING REMOVAL AND REPLACEMENT.
9. DISTANCE SHOWN IS A GUIDE ONLY. COORDINATE VEHICLE AND PEDESTRIAN GATE PEDESTAL LOCATION WITH BASE PRIOR TO ROUGH-IN.
10. CONDUIT INSTALLED LOCALLY AT THE GATE MUST BE TYPE SCHEDULE 40 PVC, UNLESS INDICATED OTHERWISE BY THE MANUFACTURER.
11. COORDINATE LOCATION OF BOLLARDS WITH CIVIL SITE PLANS PRIOR TO ROUGH-IN. INSTALL BOLLARDS TO PROTECT EQUIPMENT.
12. PROVIDE INFRASTRUCTURE INCLUDING CONDUIT AND PULL ROPE FOR SYSTEMS.

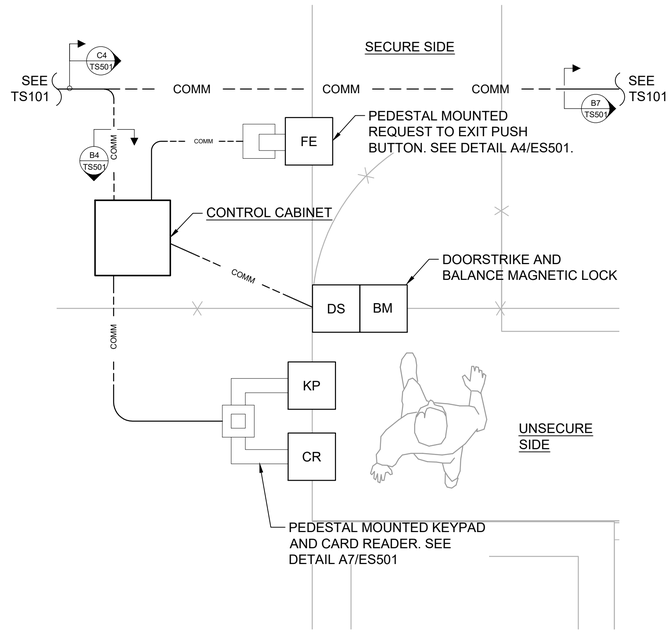


A1 ENLARGED PLAN - VEHICLE GATE

SCALE 1" = 5'

PLAN NORTH

0 5' 10'



A6 ENLARGED PLAN - PEDESTRIAN GATE

SCALE 1" = 2'

PLAN NORTH

0 2' 4'

NGUYEN PEREZ LICENSE No. 72149 STATE OF FLORIDA PROFESSIONAL ENGINEER

1/21/2026

US Army Corps of Engineers®

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DESIGNED BY: H. DAS
DRAWN BY: H. DAS
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SUBMITTED BY: N. PEREZ
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ENLARGED SITE PLAN

SHEET ID
ES401

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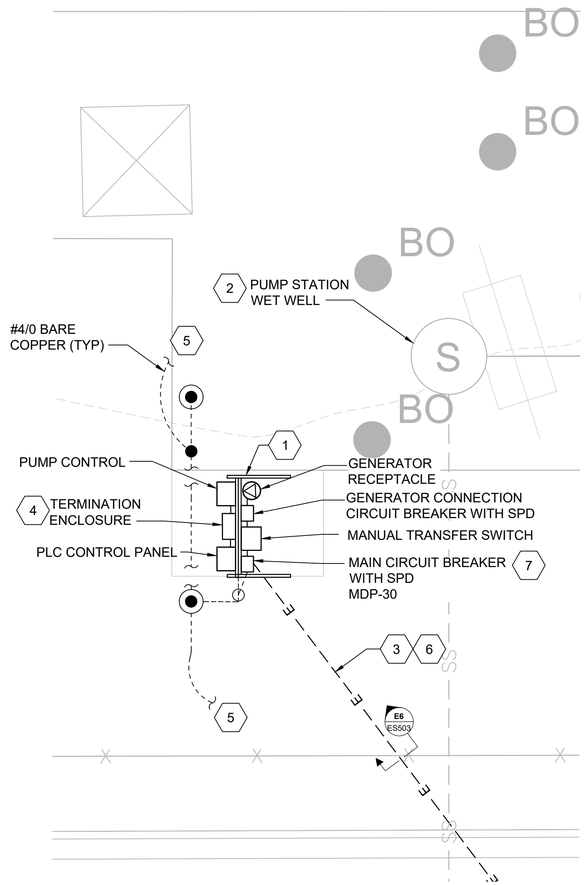

A1 ENLARGED PLAN - LIFT STATION

SCALE 1" = 5'

PLAN NORTH

0 5' 10'

GENERAL NOTES

1. SEE SHEET SHEET E-001, E-002, AND E-003 FOR GENERAL SHEET NOTES, LEGEND, AND ABBREVIATIONS.

SHEET KEYNOTES

1. EQUIPMENT RACK. SEE A1/ES505 AND D1/ES505.
2. PUMP STATION WET WELL. SEE D5/ES505, A5/ES505, AND D5/ES506.
3. BRANCH CIRCUITS MUST BE CONCRETE ENCASED.
4. PROVIDE REQUIRED TERMINAL BLOCKS WITHIN TERMINATION ENCLOSURE FOR PUMP MOTOR AND ALL INSTRUMENTATION CABLES. ALL MANUFACTURER SUPPLIED CABLING MUST BE TERMINATED WITHIN THIS ENCLOSURE. METAL BARRIERS MUST BE INSTALLED BETWEEN POWER/CONTROL AND INSTRUMENTATION CIRCUITS WITH THIS ENCLOSURE. PROVIDE THE REQUIRED CONDUIT AND CABLING BETWEEN THE TERMINATION ENCLOSURE AND PUMP CONTROL PANEL.
5. TIE GROUNDING COUNTER POISE SYSTEM TO BUILDING GROUNDING RING. SEE EG101.
6. ROUTE BACK TO MDP LOCATED IN ELECTRICAL ROOM. SEE FLOOR PLAN ON EP101 AND PANEL BOARD SCHEDULE.
7. PUMP STATION MAIN CIRCUIT BREAKER AND INDIVIDUAL PUMP CIRCUIT BREAKERS MUST BE LOCKABLE IN THE OPEN POSITION. PROVIDE NAMEPLATE ON THE PUMP STATION LISTING THE VOLTAGE, PHASE AND LOCATION OF THE OVERCURRENT DEVICE. TIE MAIN BREAKER TO GROUNDING COUNTERPOISE WITH #6 BARE COPPER.

NGUYEN PEREZ LICENSE No. 72149 STATE OF FLORIDA PROFESSIONAL ENGINEER

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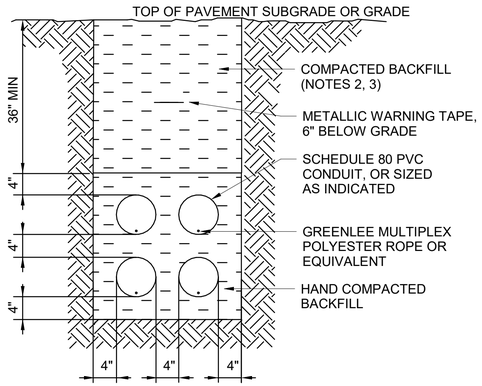
ENLARGED SITE PLAN

SHEET ID
ES402

READY TO ADVERTISE (RTA)

GENERAL NOTES

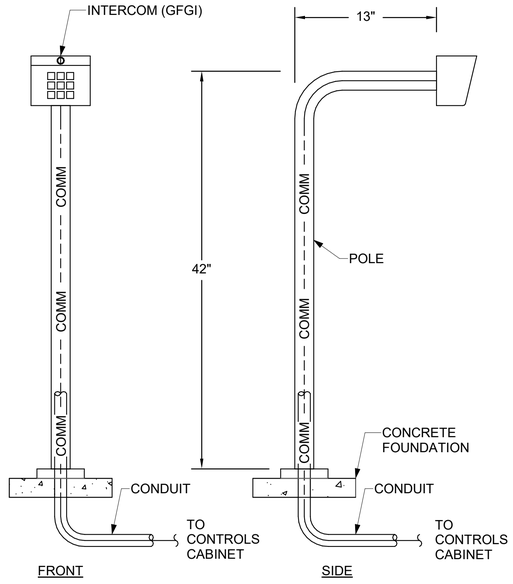
1. REFER TO DRAWINGS E-001, E-002, AND E-003 FOR ADDITIONAL NOTES, ABBREVIATIONS, AND LEGENDS.
2. SEE ES SERIES SHEETS FOR SITE PLAN ROUTING OF DUCTBANKS.
3. SAWCUT EXISTING CONCRETE WALKWAYS FOR DIRECT BURIAL OF CONDUITS, UON. REPAIR ALL CONCRETE DAMAGED DURING INSTALLATION PROCESS.
4. PROVIDE CONCRETE ENCASED DUCTBANK WHERE CONDUIT RUNS UNDER ROADWAY, DRIVEWAY, OR PARKING LOTS. CONCRETE MUST EXTEND A MINIMUM OF 5 FEET BEYOND ROADWAY OR DRIVEWAY. REFER TO CIVIL UTILITY DETAILS FOR PAVING REMOVAL AND REPLACEMENT.



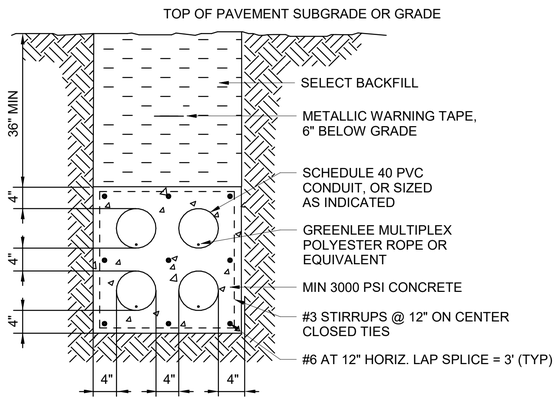
NOTE:

1. USE PLASTIC CONDUIT SPACERS AT 5'-0" OC.
2. BACKFILL-
   A. OBTAIN BACKFILL MATERIALS FROM TRENCHES AND OTHER EXCAVATION IN THIS CONTRACT AND/OR FROM THE ON SITE BORROW AREAS AS DESIGNATED BY THE RESIDENT PROJECT REPRESENTATIVE.
3. COMPACTION-
   A. PLACE BACKFILL MATERIAL IN LEVEL LAYERS NOT EXCEEDING 4" TO 8".
   B. USE APPROVED MECHANICAL METHODS WHERE HAND BACKFILL IS NOT REQUIRED.
   C. FOR BACKFILL COMPACTION AND MOISTURE CONTENT REQUIREMENTS SEE THE SPECIFICATIONS.
4. COORDINATE DUCTBANK DEPTH WITH OTHER DISCIPLINES AND EXISTING SITE.

D1 TYPICAL DIRECT BURIED CONDUIT
SCALE:NTS



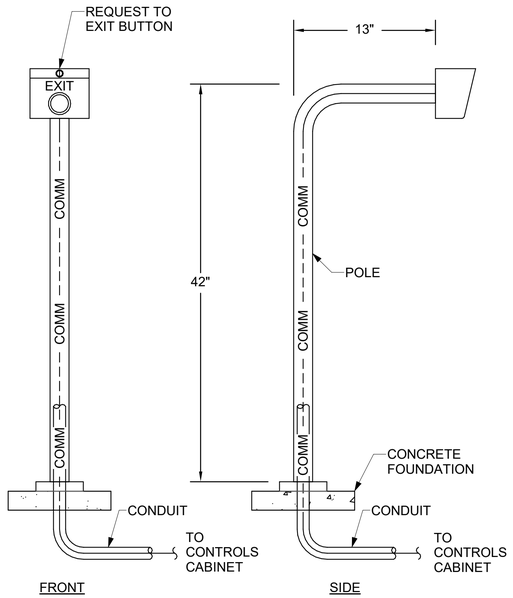
D4 PEDESTAL MOUNTED INTERCOM
SCALE:NTS



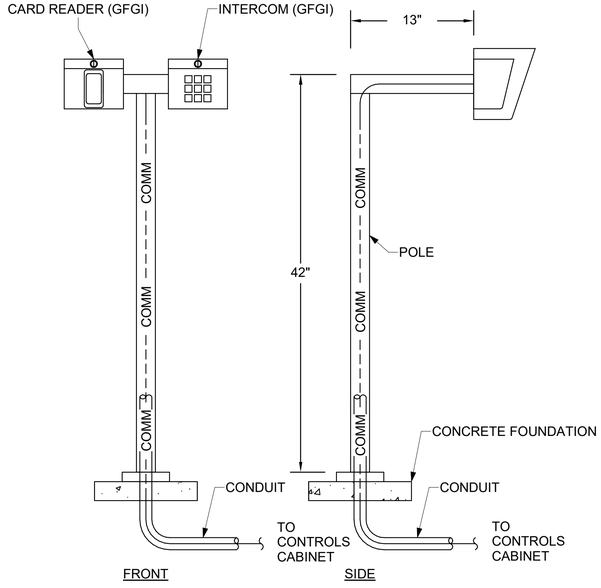
NOTES:

1. USE PLASTIC CONDUIT SPACERS AT 5'-0" OC.
2. COORDINATE DUCTBANK DEPTH WITH OTHER DISCIPLINES AND EXISTING SITE.

A1 TYPICAL CONCRETE ENCASED DUCTBANK
SCALE:NTS



A4 PEDESTAL MOUNTED REQUEST TO EXIT BUTTON
SCALE:NTS



A7 PEDESTAL MOUNTED CARD READER AND INTERCOM
SCALE:NTS

1/21/2026

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE:	JANUARY, 2026
SOLICITATION NO.:	W912HN-26-B-A003
CONTRACT NO.:	
CATEGORY CODE:	141-001-401
FILE NAME:	189818_E_Central
SIZE:	ANSI D
DESIGN BY:	H. DAS
DRAWN BY:	H. DAS
CHECKED BY:	C. KLOS
SUBMITTED BY:	N. PEREZ

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY'25, PN 69262

ELECTRICAL SITE DETAILS - 1

SHEET ID

ES501

READY TO ADVERTISE (RTA)

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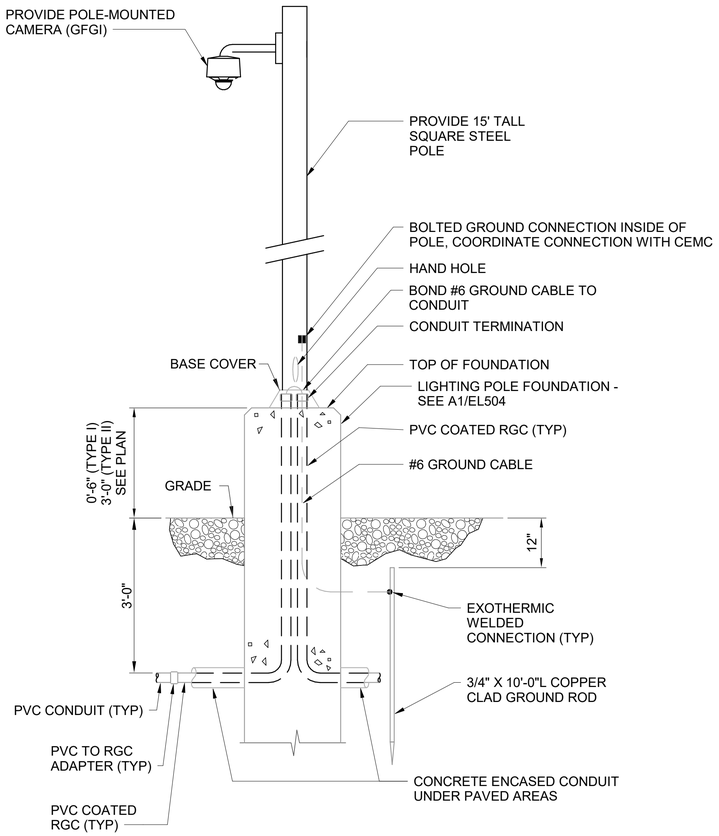
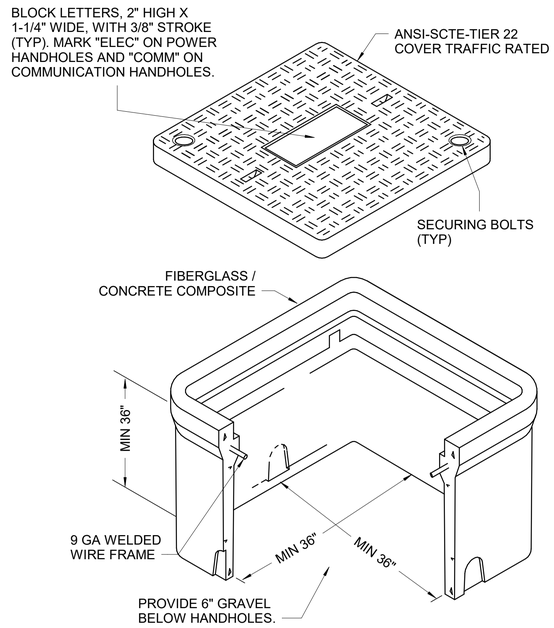
GENERAL NOTES

1. REFER TO DRAWINGS E-001, E-002, AND E-003 FOR ADDITIONAL NOTES, ABBREVIATIONS, AND LEGENDS.
2. SEE ES SERIES SHEETS FOR SITE PLAN ROUTING OF DUCTBANKS.



A1 POLE MOUNTED CAMERA DETAIL
SCALE:NTS



NOTE:

1. SIZE HANDHOLE PER NEC.
2. MINIMUM DIMENSIONS MUST BE 3' X 3' X 3'

A6 TYPICAL HANDHOLE (HH) DETAIL
SCALE:NTS

1/21/2026

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-401
FILE NAME: 139618_E_Central

DESIGN BY: H. DAS
DRAWN BY: H. DAS
CHECKED BY: C. KLOS
SUPERVISED BY: J. PEREZ
SIZE: ANSI D

U.S. ARMY CORPS OF ENGINEERS
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9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
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FY25, PN 69262

ELECTRICAL SITE DETAILS - 2

SHEET ID
ES502

READY TO ADVERTISE (RTA)

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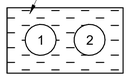
1/21/2026 10:49:10 AM

GENERAL NOTES

1. REFER TO DRAWINGS E-001, E-002, AND E-003 FOR ADDITIONAL NOTES, ABBREVIATIONS, AND LEGENDS.
2. SEE ES SERIES SHEETS FOR SITE PLAN ROUTING OF DUCTBANKS.
3. SAWCUT EXISTING CONCRETE WALKWAYS FOR DIRECT BURIAL OF CONDUITS, UON. REPAIR ALL CONCRETE DAMAGED DURING INSTALLATION PROCESS.
4. PROVIDE CONCRETE ENCASED DUCTBANK WHERE CONDUIT RUNS UNDER ROADWAY, DRIVEWAY, OR PARKING LOTS. CONCRETE MUST EXTEND A MINIMUM OF 5 FEET BEYOND ROADWAY OR DRIVEWAY. REFER TO CIVIL UTILITY DETAILS FOR PAVING REMOVAL AND REPLACEMENT.

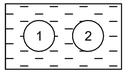
E1 DUCTBANK
SCALE:NTS

SEE DETAIL D1/ES501 (TYP)



1. GATE OPERATOR, 2" C.
2. CONTROL CABINET, 2" C.

E3 DUCTBANK
SCALE:NTS



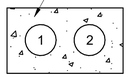
1. ARMAG POWER, 1" C.
2. ARMAG POWER, 1" C.

E6 DUCTBANK
SCALE:NTS

1. LIFT STATION POWER, 1" C.

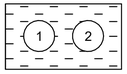
D1 DUCTBANK
SCALE:NTS

SEE DETIAL A1/ES501 (TYP)



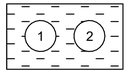
1. TO PANEL BKP, 2" C.
2. SPARE, 2" C.

D3 DUCTBANK
SCALE:NTS



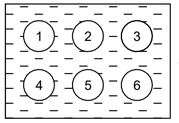
1. STORAGE BUILDING LIGHTING, 1" C.
2. STORAGE BUILDING RECEPTACLES, 1" C.

D6 DUCTBANK
SCALE:NTS



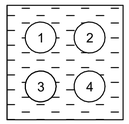
1. POLE LIGHTING POWER, 2" C.
2. POLE LIGHTING POWER, 2" C.

D8 DUCTBANK
SCALE:NTS



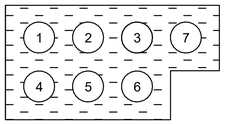
1. SECURITY CAMERA POWER, 2" C.
2. SECURITY CAMERA POWER, 2" C.
3. SECURITY CAMERA POWER, 2" C.
4. GATE OPERATOR POWER, 2" C.
5. GATE OPERATOR POWER, 2" C.
6. CONTROL CABINET POWER, 2" C.

C1 DUCTBANK
SCALE:NTS



1. POLE LIGHTING POWER, 2" C.
2. POLE LIGHTING POWER, 2" C.
3. POLE LIGHTING POWER, 2" C.
4. SECURITY CAMERA POWER, 2" C.

C3 DUCTBANK
SCALE:NTS

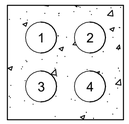


1. SECURITY CAMERA POWER, 2" C.
2. SECURITY CAMERA POWER, 2" C.
3. SECURITY CAMERA POWER, 2" C.
4. GATE OPERATOR POWER, 2" C.
5. GATE OPERATOR POWER, 2" C.
6. CONTROL CABINET POWER, 2" C.
7. POLE LIGHTING POWER, 2" C.

C6 DUCTBANK
SCALE:NTS

1. SECURITY CAMERA POWER, 2" C.

C8 DUCTBANK
SCALE:NTS

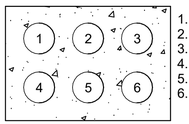


1. GENERATOR POWER, 2" C.
2. ANCILLARY POWER, 2" C.
3. GENERATOR AUXILIARIES, 2" C.
4. GENERATOR AUXILIARIES, 2" C.

B1 DUCTBANK
SCALE:NTS

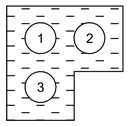
1. GATE OPERATOR POWER, 2" C.

B3 DUCTBANK
SCALE:NTS



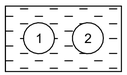
1. TRANSFORMER TO MDP, 3" C.
2. TRANSFORMER TO MDP, 3" C.
3. TRANSFORMER TO MDP, 3" C.
4. SPARE, 3"C.
5. SPARE, 3" C.
6. SPARE, 3" C.

B6 DUCTBANK
SCALE:NTS



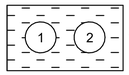
1. GATE OPERATOR POWER, 2" C.
2. GATE OPERATOR POWER, 2" C.
3. CONTROL CABINET POWER, 2"C.

B8 DUCTBANK
SCALE:NTS



1. SECURITY CAMERA POWER, 2" C.
2. LIFT STATION POWER, 1" C.

A1 DUCTBANK
SCALE:NTS

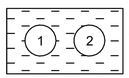


1. POLE LIGHTING POWER, 2" C.
2. SECURITY CAMERA POWER, 2" C.

A3 DUCTBANK
SCALE:NTS

1. POLE LIGHTING POWER, 2" C.

A6 DUCTBANK
SCALE:NTS



1. SECURITY CAMERA POWER, 2" C.
2. SECURITY CAMERA POWER, 2" C.

A8 DUCTBANK
SCALE:NTS

1. PIV MONITORING, 2" C.

NGUYEN PEREZ LICENSE No. 72149 STATE OF FLORIDA PROFESSIONAL ENGINEER

1/21/2026

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

DESIGN BY: H. DAS	ISSUE DATE: JANUARY, 2026
DRAWN BY: H. DAS	SOLICITATION NO.: W912HN-26-B-A003
CHECKED BY: C. KLOS	CONTRACT NO.:
SUBMITTED BY: N. PEREZ	CATEGORY CODE: 141-001-01
SIZE: ANSI D	FILE NAME: 189618 E Central

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
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ELECTRICAL SITE DETAILS - 3

SHEET ID
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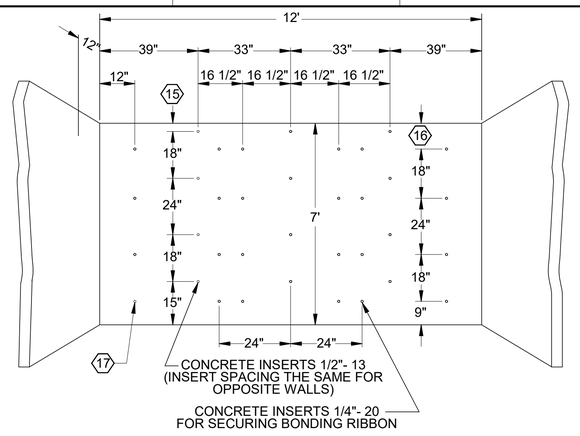
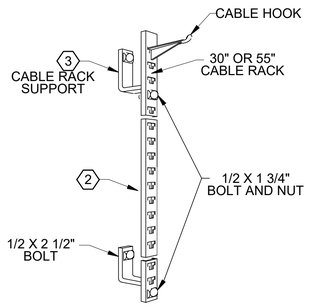
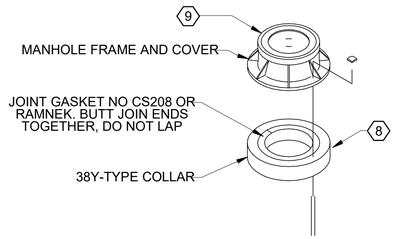
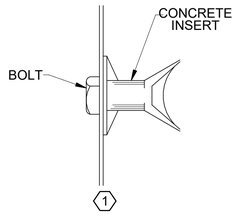
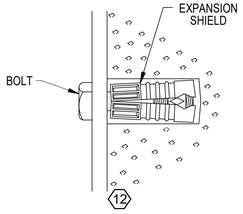


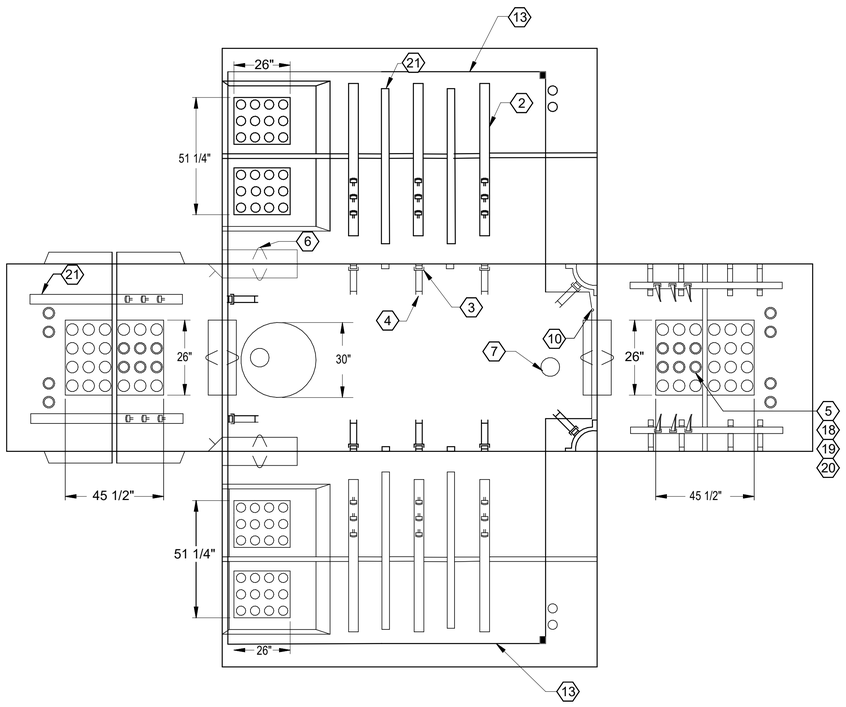




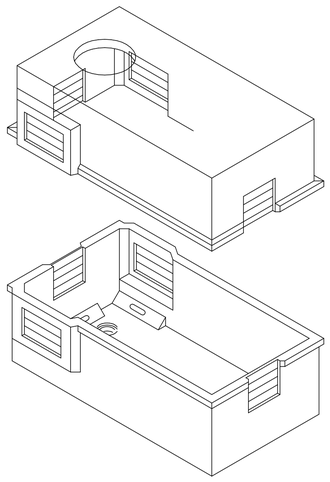




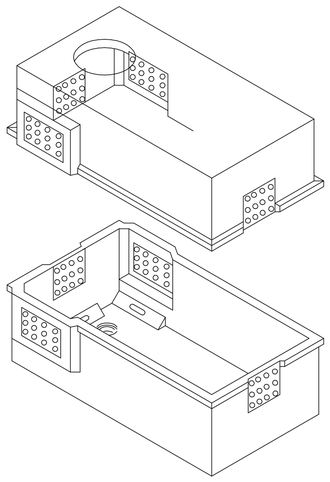
EQUIPMENT/ MATERIAL SUPPLIED WITH A STANDARD MANHOLE OR HANDHOLE	INLINE			MULTIDIRECTIONAL		
	HANDHOLE	MANHOLE		HANDHOLE	MANHOLE	
	4'X4'X4'	12'X6'X7'H	12'X6'X10'H	4'X4'X4'	12'X6'X7'H	12'X6'X10'H
BONDING RIBBON #6 AWG	20	65	65	20	65	65
BONDING RIBBON CLAMPS	12	20	20	12	20	20
CABLE RACK 30"	4			4		
CABLE RACK 47 HOLE		14	14		14	14
B CORNER CABLE RACK SUPPORT		8	8		4	4
CABLE RACK HOOK 7 1/2"	8	14 MINIMUM	14 MINIMUM	8	14 MINIMUM	14 MINIMUM
CABLE RACK STAND OFF BRACKET	8	12	12	8	12	12
CONCRETE COLLAR 6"	1	1	1	1	1	1
COVER (LID) 30" DIAMETER	1	1	1	1	1	1
FRAME (SUPPORT STRUCTURE FOR LID)	1	1	1	1	1	1
GROUND ROD 5/8" X 8' GALV	1	1	1	1	1	1
GROUND ROD CLAMP 5/8"	1	1	1	1	1	1
METAL HIT ANCHOR	10	20	20	10	20	20
PULL-IN IRONS	4	4	4	4	4	4
SUMP	1	1	1	1	1	1



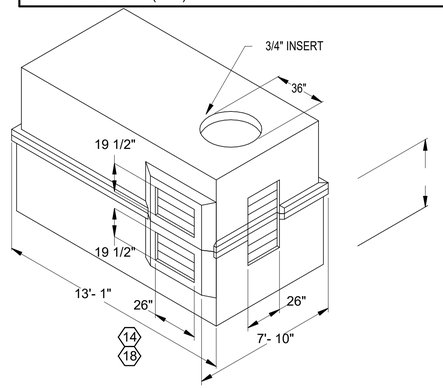
38Y MANHOLE FITTINGS (TYP)



CABLE ENTRANCES WITH CONCRETE KNOCKOUTS



CABLE ENTRANCES WITH DUCT TERMINATOR OPTION



38Y-4046-3 PRECAST MANHOLE					
CONCRETE THICKNESS (INCHES)			INSIDE DIMENSIONS (FEET)		
WALLS	ROOF	FLOOR	LG	WIDE	HIGH
5	6	5	12	6	7

A1 TYPICAL I3A MANHOLE DETAIL

SCALE:NTS

SHEET KEY NOTES

1. 1/2" X 2 1/2" GALVANIZED MACHINE BOLT AND CONCRETE INSERT. (TYP)
2. CABLE RACK (TYP) ATTACHED TO S OR L CABLE RACK SUPPORT.
3. CABLE RACK SUPPORT (TYP).
4. 14" CABLE HOOK (TYP).
5. 4" CONCRETE ENCASED PVC CONDUIT AND DUCT PLUG (TYP).
6. PULLING-IN IRON (TYP).
7. SUMP (TYP)
8. COLLAR (TYP)
9. TYPE B MANHOLE FRAME (TYP)
10. 3/4" X 10' COPPER CLAD IRON GROUND ROD WITH 4" STUB. (TYP)
11. ADD GRADING RINGS TO MAKE COVER FLUSH WITH GROUND MINIMUM TOP COVER IS 2".
12. 1/2" X 2 1/2" GALVANIZED MACHINE BOLT AND EXPANSION SHIELD. (TYP)
13. BONDING RIBBON. CONNECT INSULATED 6 AWG WIRE WITH GROUNDING CLAMP.
14. PLASTIC DUCT TERMINATORS ARE OPTIONAL FOR MAIN CONDUIT ENTRANCE.
15. 9" DIMENSION FOR 7' HEADROOM.
16. 15" DIMENSION FOR 7' HEADROOM
17. INSERTS ARE OMITTED IN AREA OF SIDEWALL CABLE ENTRANCES OF PRECAST T-TYPE MANHOLES.
18. THE DUCTS SHOULD ENTER THE MANHOLE IN THE LOWER PORTION OF THE KNOCKOUT WINDOW TO SIMPLIFY FUTURE CONDUIT ADDITIONS.
19. THE LARGEST DIAMETER COPPER CABLE SHALL BE PLACED IN THE LOWEST VACANT DUCT.
20. SUB-DUCT, INNER DUCT AND FIBER OPTIC CABLES SHOULD BE PLACE IN THE UPPER EMPTY DUCT.
21. CABLE RACK (TYP) ATTACHED DIRECTLY TO WALL

1/21/2026

US Army Corps of Engineers ®

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SUBMITTED BY: S. PEREZ
SIZE: ANSI D
FILE NAME: 139618_E_Central

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ELECTRICAL SITE DETAILS - 4

SHEET ID
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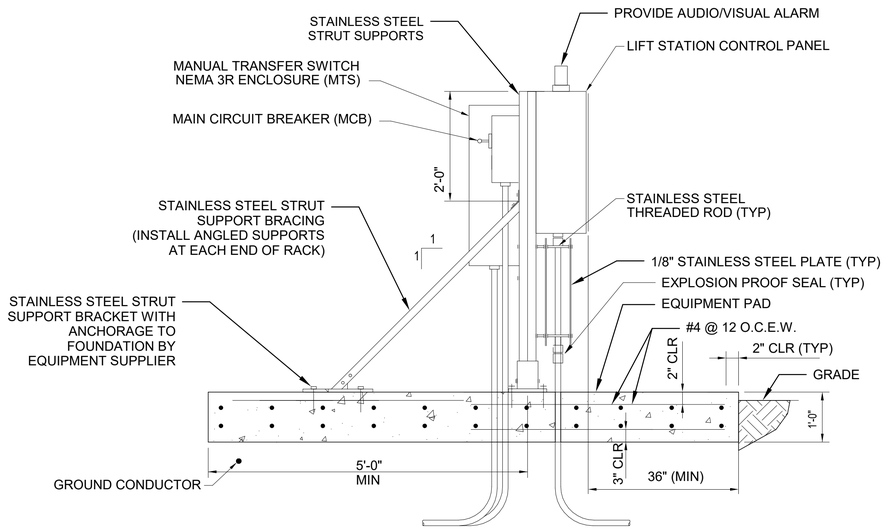
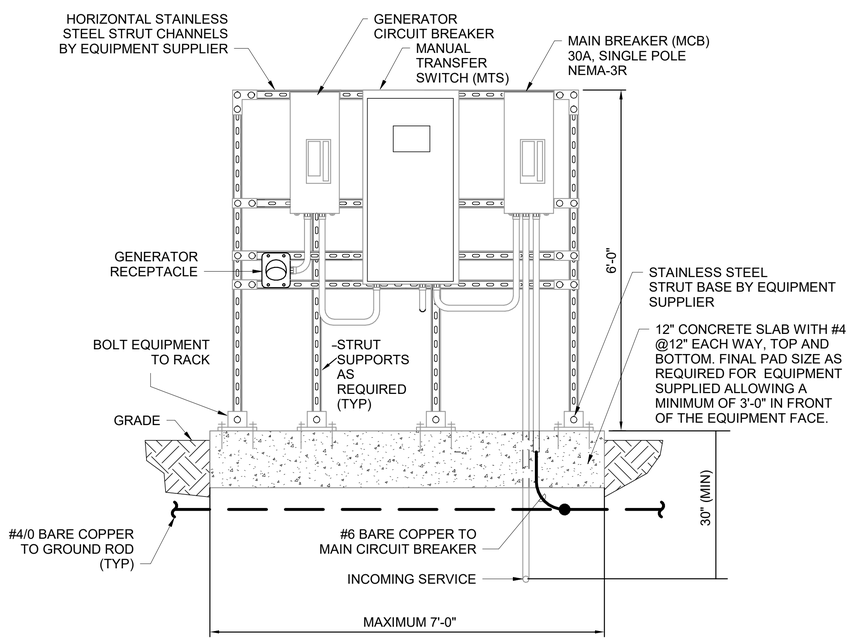
NOTES:

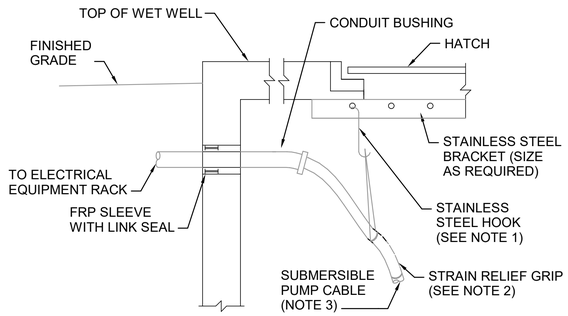
1. SEE GENERAL UTILITY NOTES.
2. MINIMUM COVER FOR CONDUIT MUST BE 24".
3. THE RACK FRONT ELEVATION VIEW IS NOT SHOWN. SEE PLAN VIEW FOR RACK FRONT ELEVATION EQUIPMENT.



D1 RACK SIDE VIEW ELEVATION
SCALE:NTS



A1 RACK REAR ELEVATION
SCALE:NTS

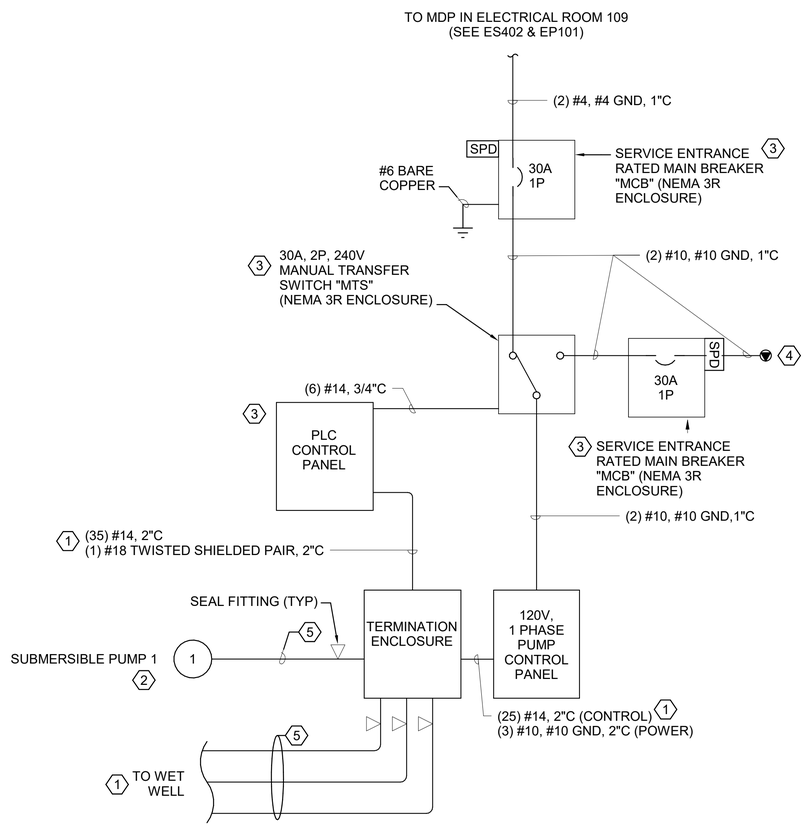


PUMP STATION WET WELL - TYPICAL CONDUIT PENETRATION AND CABLE SUPPORT

NOTES:

1. MOUNT SUPPORT HOOK FOR PUMP CABLE ON OPPOSITE SIDE OF HATCH HINGES.
2. PROVIDE STAINLESS STEEL STRAIN RELIEF GRIP.
3. PROVIDE A MINIMUM OF 5'-0" OF SPARE MANUFACTURER SUPPLIED CABLE, COIL SPARE CABLE AND HANG ON STAINLESS STEEL HOOK.

D5 PUMP STATION WET WELL
SCALE:NTS



A5 PUMP STATION ONE-LINE
SCALE:NTS

GENERAL NOTES

1. ROUTING SHOWN IS DIAGRAMMATIC. CONTRACTOR MUST ROUTE CONDUITS TO BEST AVOID EXISTING STRUCTURES AND UTILITIES. MEET REQUIRED MINIMUM COVER AND PROVIDE MINIMUM 1' CLEARANCE FOR ALL EXISTING UTILITIES. SAWCUT EXISTING CONCRETE WALKWAYS FOR DIRECT BURIAL OF CONDUITS. CONTRACTOR MUST REPAIR ALL CONCRETE DAMAGED DURING INSTALLATION PROCESS.
2. REFER TO SHEET E-001 FOR UTILITY LINE LEGEND.
3. MINIMUM COVER FOR CONDUIT MUST BE 24"
4. THE RACK FRONT ELEVATION VIEW IS NOT SHOWN. SEE PLAN VIEW FOR RACK FRONT EQUIPMENT.

⟨#⟩ SHEET KEYNOTES

1. PROVIDE REQUIRED TERMINAL BLOCKS WITHIN THE TERMINATION ENCLOSURE FOR THE PUMP MOTOR, SEAL PROBES, THERMAL SWITCHES, FLOAT SWITCHES, AND SUBMERSIBLE PRESSURE TRANSDUCER CABLES. ALL MANUFACTURER SUPPLIED CABLING MUST BE TERMINATED WITHIN THIS ENCLOSURE. METAL BARRIER MUST BE INSTALLED BETWEEN POWER/CONTROL AND INSTRUMENTATION CIRCUITS WITHIN THIS ENCLOSURE. METAL BARRIER MUST BE INSTALLED BETWEEN POWER/CONTROL AND INSTRUMENTATION CIRCUITS WITHIN THIS ENCLOSURE. CONTRACTOR MUST PROVIDE A MINIMUM OF 2" CONDUITS BETWEEN TERMINATION ENCLOSURE AND THE PUMP CONTROL PANEL AND PLC CONTROL PANEL. CONTRACTOR MUST PROVIDE ALL NECESSARY CABLING BETWEEN THE TERMINATION AND PUMP CONTROL PANEL AND PLC CONTROL PANEL.
2. CONTRACTOR MUST INSTALL MAUFACTURER FURNISHED PUMP AND CONTROL CABLING IN CONDUITS AS INDICATED ON PLANS.
3. AIC RATING OF ALL EQUIPMENT MUST MEET OR EXCEED THE UPSTREAM AIC RATING OF THE SOURCE PANELBOARD OR SOURCE EQUIPMENT.
4. PROVIDE MIL-C-22992, CLASS L, QWLD-RATED CONNECTOR. VERIFY RECEPTACLE MODEL TYPE AND AMPERAGE RATING MATCHES BASE GENERATOR STANDARDS AND IS ACCEPTABLE WITH CFMO PM BEFORE PURCHASE. SEE ES402 AND ES505 FOR LOCATION, COORDINATE EXACT LOCATION WITH BASE.
5. PROVIDE THE QUANTITY OF POWER AND CONTROL CONDUITS AS REQUIRED PER THE PUMP STATION MANUFACTURER'S RECOMMENDATIONS FROM THE PUMP STATION CONTROL PANEL TO THE PRECAST WET WELL. MINIMUM CONDUIT SIZE FOR POWER TO EACH PUMP IS 2". MINIMUM CONDUIT FOR CONTROLS TO WET WELL IS 2". ALL CONDUITS TO BE SIZED PER NEC. ALL CONDUITS THAT LEAVE THE CLASSIFIED SPACE MUST BE SEALED IN ACCORDANCE WITH NEC REQUIREMENTS. SEE SPECS FOR MINIMUM SIGNAL MONITORING AND CONTROL REQUIREMENTS.

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-401
DESIGNED BY: H. DAS
DRAWN BY: H. DAS
CHECKED BY: C. KLOS
SUBMITTED BY: JEFFREY
SIZE: ANSI D
FILE NAME: 189618_E_Central

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

ELECTRICAL SITE DETAILS - 5

NGUYEN PEREZ LICENSE No. 72149 STATE OF FLORIDA PROFESSIONAL ENGINEER

1/21/2026

SHEET ID
ES505

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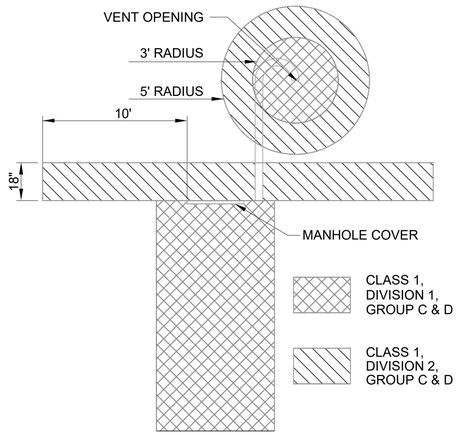
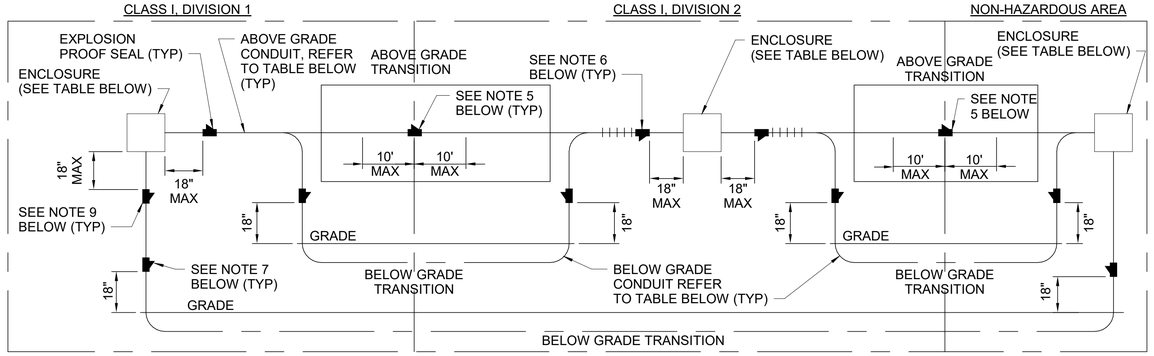


NOTES:

1. SEE SHEET CIVIL SHEETS FOR PUMP STATION DETAILS.
2. ALL ELECTRICAL WORK FOR THE PUMP STATION MUST COMPLY WITH THE CLASSIFIED AREAS INDICATED BY HAZARDOUS LOCATION SECTIONS INDICATED ABOVE. PROVIDE CONDUIT AND CABLE SEALING FITTINGS WHERE REQUIRED BY THE NEC. INSTALL PUMP STATION CONTROL PANEL OUTSIDE THE CLASSIFIED AREAS INDICATED BY HAZARDOUS LOCATION SECTIONS INDICATED ABOVE.
3. THE ELECTRICAL INSTALLATION FOR PUMP STATION MUST BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS.
4. PROVIDE ALL CONTROL CIRCUITS AND ACCESSORIES REQUIRED PER THE MANUFACTURER INCLUDING BUT NOT LIMITED TO THERMAL PROTECTION CONTROLS AND MOISTURE SENSOR CONTROLS.
5. ALL CONDUITS FROM THE PUMP STATION CONTROL PANEL TO THE PRECAST WET WELL MUST BE PVC COATED RIGID STEEL.
6. THIS DETAIL APPLIES TO THE PUMP STATION WET WELL.

J1 PUMP STATION HAZARDOUS LOCATION SECTION

SCALE:NTS



MATERIAL REQUIREMENTS (SEE NOTE 1)							
CONDUIT					ENCLOSURES		
ABOVE GRADE	FLEXIBLE	DIRECT BURIED	CONCRETE-ENCASED	DUCTBANK ELBOWS	CLASS I, DIV. 1	CLASS I, DIV. 2	NON-HAZARDOUS AREA
RGS 3/4" MIN.	EXPLOSION PROOF LIQUID-TIGHT (CID1) LIQUID-TIGHT (CID2, NON-HAZARDOUS)	PVC COATED RGS 1" MIN.	PVC SCH. 40 1" MIN.	PVC COATED RGS	NEMA 4/7 (OUTDOORS) NEMA 7 (INDOORS) (SEE NOTE 3)	NEMA 4/7 (OUTDOORS) NEMA 7 (INDOORS) (SEE NOTE 4)	NEMA 4 (OUTDOORS) NEMA 1 OR 12 (INDOORS)

NOTES:
1. MATERIAL REQUIREMENTS LISTED HERE SHALL BE USED UNLESS OTHERWISE NOTED.
2. NEMA 7 NOT REQUIRED IF ENCLOSURE IS LISTED AS SUITABLE FOR CLASS I, DIVISION 1 LOCATIONS.
3. NON-HAZARDOUS AREA ENCLOSURES MAY BE USED WHEN ENCLOSURE DOES NOT CONTAIN ARCING OR SPARKING DEVICES.
4. NO UNIONS, COUPLINGS, BOXES, OR OTHER FITTINGS EXCEPT FOR A LISTED EXPLOSION PROOF REDUCER AT THE SEAL IS PERMITTED BETWEEN SEAL AND BOUNDARY. IN CASES WHERE CONDUIT IS TRANSITIONING ABOVE GRADE FROM CLASS I, DIVISION 2 TO CLASS I, DIVISION 1 AREAS, LOCATE SEAL ON DIVISION 2 SIDE OF BOUNDARY WITHIN 10'.
5. PROVIDE SEAL WITHIN 18" OF ENCLOSURE, SIMILAR TO CLASS I, DIVISION 1 INSTALLATION, WHEN ENCLOSURE IS REQUIRED TO BE EXPLOSION PROOF IN A CLASS I, DIVISION 2 AREA. SEAL INSTALLED ON INSTRUMENTATION SHALL BE INSTALLED BETWEEN FLEXIBLE CONDUIT AND INSTRUMENTATION.
6. NO UNIONS, COUPLINGS, BOXES OR OTHER FITTINGS EXCEPT FOR A LISTED EXPLOSION PROOF REDUCER AT THE SEAL IS PERMITTED BETWEEN THE SEAL AND GRADE.
7. EXTERNAL BONDING JUMPER SECURED WITH CABLE TIES REQUIRED FOR LIQUID-TIGHT FLEXIBLE CONDUIT PER NFPA 70, ARTICLE 501.30.
8. PROVIDE SEAL WITHIN 18" OF ENCLOSURE CONTAINING SWITCHES, CIRCUIT BREAKERS, FUSES, RELAYS, RESISTORS, ARCING OR SPARKING DEVICES, OR HIGH TEMPERATURE APPARATUS, OR CONDUIT SIZE 2" OR LARGER.
9. ALL CONDUIT FITTINGS SHALL BE LISTED FOR THE LOCATION

A1 TYPICAL CONDUIT AND EQUIPMENT REQUIREMENT FOR HAZARDOUS AREAS

SCALE:NTS

1/21/2026

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-401
FILE NAME: 18968.18_E_Central

DESIGN BY: H. DAS	
DRAWN BY: H. DAS	
CHECKED BY: C. KLOS	
SUBMITTED BY: N. PEREZ	
SIZE: ANSI D	

U.S. ARMY CORPS OF ENGINEERS
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HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

ELECTRICAL SITE DETAILS - 6

SHEET ID
ES506

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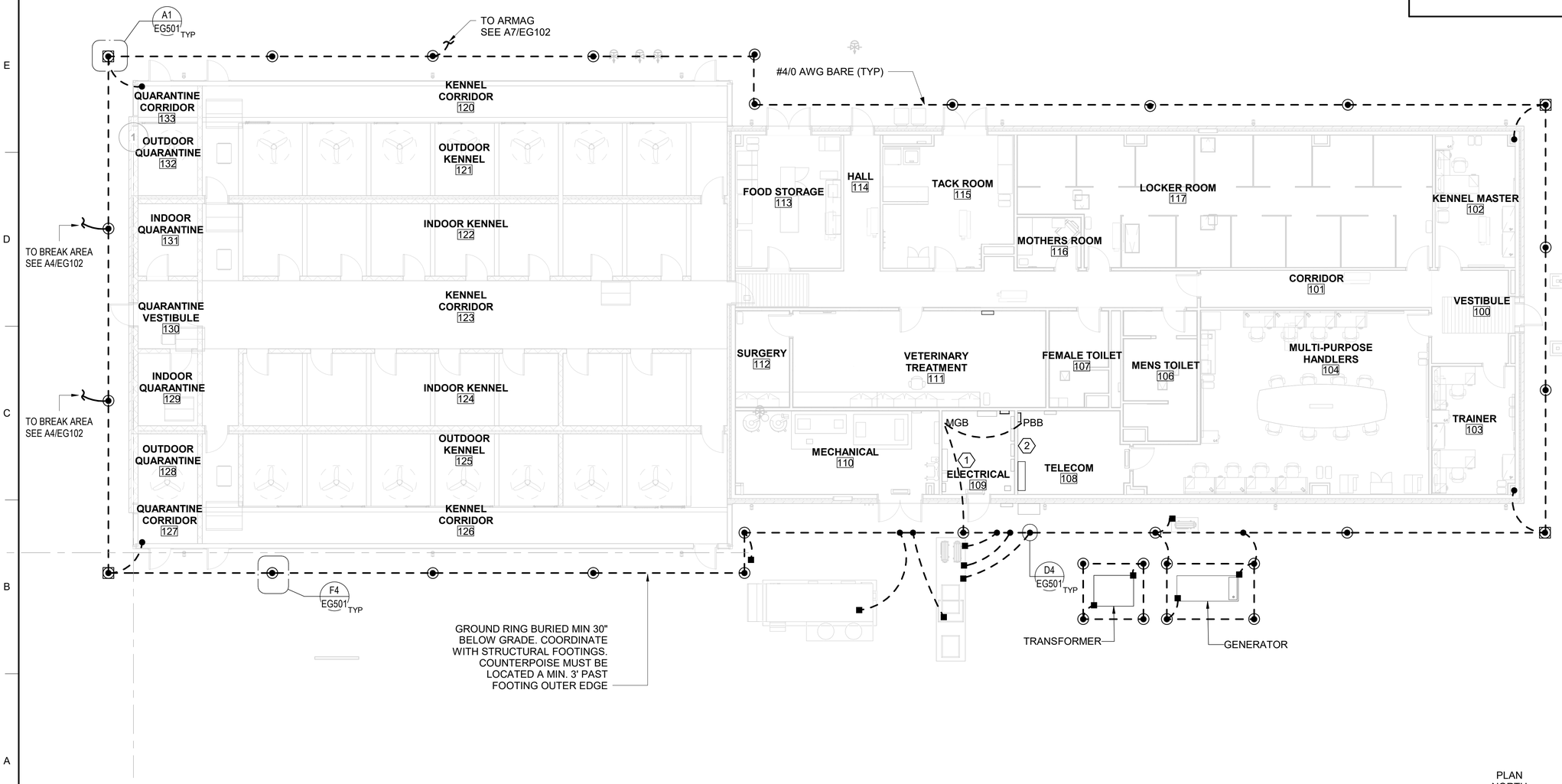
GENERAL NOTES

1. ELECTRICAL DISTRIBUTION GROUNDING MUST COMPLY WITH NEC ART. 250
2. TELECOMMUNICATIONS GROUNDING SYSTEM MUST COMPLY WITH NEC ART 800, TIA-607-C, AND 3-520-01
3. THIS PLAN DOES NOT PRECLUDE THE REQUIREMENTS OF NEC ART 250, ART 800, OR NFPA 780.
4. GROUND BUILDING STEEL AROUND PERIMETER OF BUILDING AT EVERY OTHER COLUMN OR 60 FT. BOND WITH #4/0 AWG BARE SEE SHEET EG501.
5. CONTRACTOR MUST FULLY FAMILIARIZE THEMSELVES WITH TIA-607-C PRIOR TO CONSTRUCTING THE COMMUNICATION GROUNDING.
6. SEE SHEET EG701 FOR GROUNDING RISER DETAILS

SHEET KEYNOTES

1. REFER TO DETAIL E1/EG501 FOR MOUNTING DETAILS
2. REFER TO DETAIL A7/EG501 FOR MOUNTING DETAILS



A1 GROUNDING PLAN - MAIN BUILDING
SCALE: 1/8" = 1'-0"

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-401
FILE NAME: 189818_E_Central
DESIGN BY: H. DAS
DRAWN BY: H. DAS
CHECKED BY: C. KLOS
SUBMITTED BY: N. PEREZ
SIZE: ANSI D

U.S. ARMY CORPS OF ENGINEERS
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SAVANNAH, GA 31401-3640

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ELECTRICAL GROUNDING

NGUYEN PEREZ LICENSE No. 72149 STATE OF FLORIDA PROFESSIONAL ENGINEER

1/21/2026

SHEET ID
EG101

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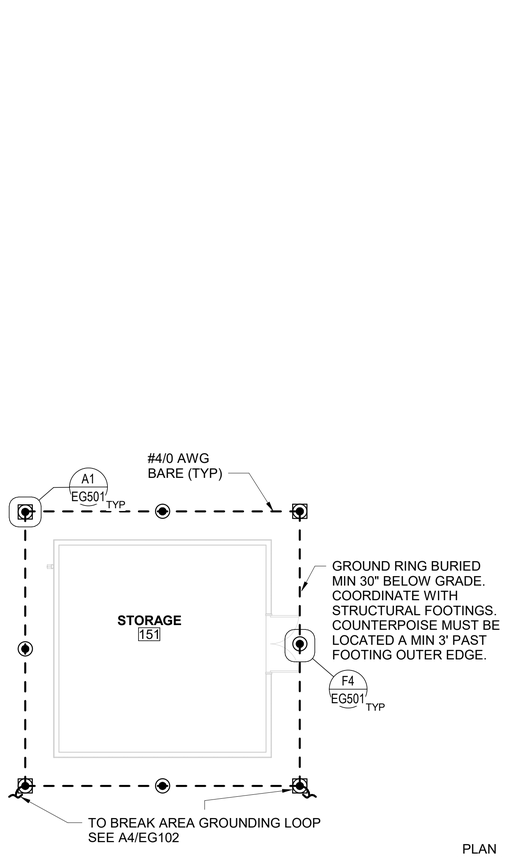
GENERAL NOTES

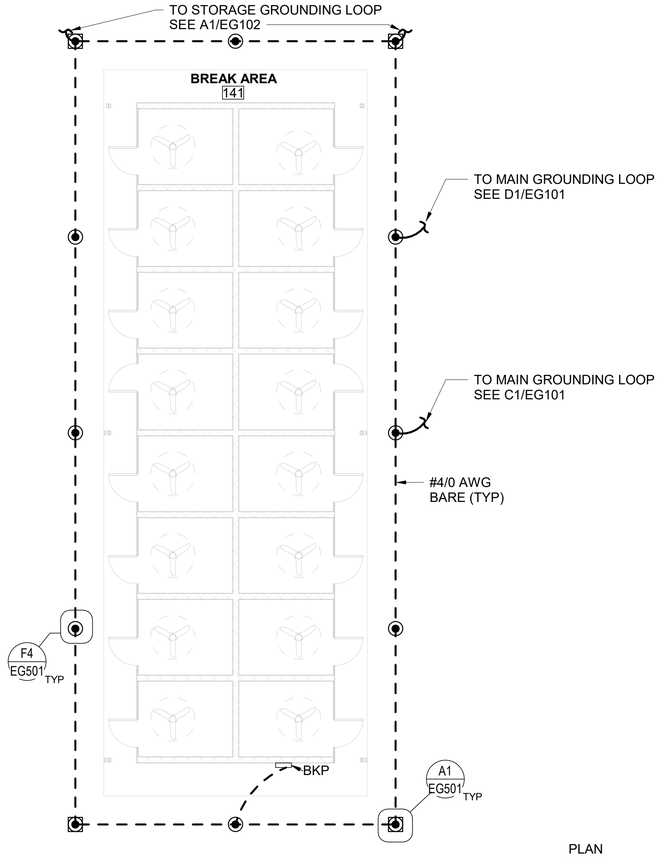
1. ELECTRICAL DISTRIBUTION GROUNDING SHALL COMPLY WITH NEC ART. 250
2. THIS PLAN DOES NOT PRECLUDE THE REQUIREMENTS OF NEC ART 250, ART 800, OR NFPA 780.
3. GROUND BUILDING STEEL AROUND PERIMETER OF BUILDING AT EVERY OTHER COLUMN OR 60 FT. BOND WITH #4/0 AWG BARE SEE SHEET EG501.

SHEET KEYNOTES

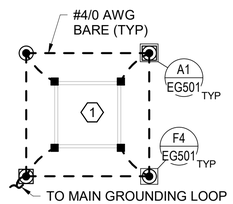
1. COORDINATE ARMAG LOCATION WITH CIVIL SITE PLANS



A1 GROUNDING PLAN - STORAGE
SCALE: 1/8" = 1'-0"
PLAN NORTH
0 4' 8' 12'



A4 GROUNDING PLAN - BREAK AREA
SCALE: 1/8" = 1'-0"
PLAN NORTH
0 4' 8' 12'



A7 GROUNDING PLAN-ARMAG
SCALE: 1/8" = 1'-0"
PLAN NORTH
0 2' 4' 6'

NGUYEN PEREZ
LICENSE
No. 72149
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

1/21/2026

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

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SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-01
FILE NAME: 189618_E_Central

DESIGN BY: H. DAS
DRAWN BY: H. DAS
CHECKED BY: C. KLOS
SUBMITTED BY: N. PEREZ
SIZE: ANSI D

U.S. ARMY CORPS OF ENGINEERS
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ELECTRICAL GROUNDING - EXTERIOR BUILDINGS

SHEET ID
EG102

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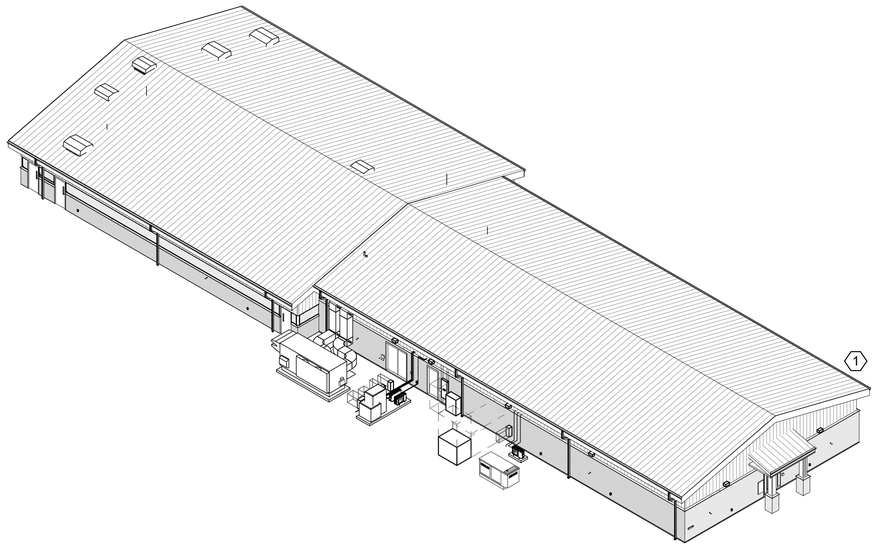
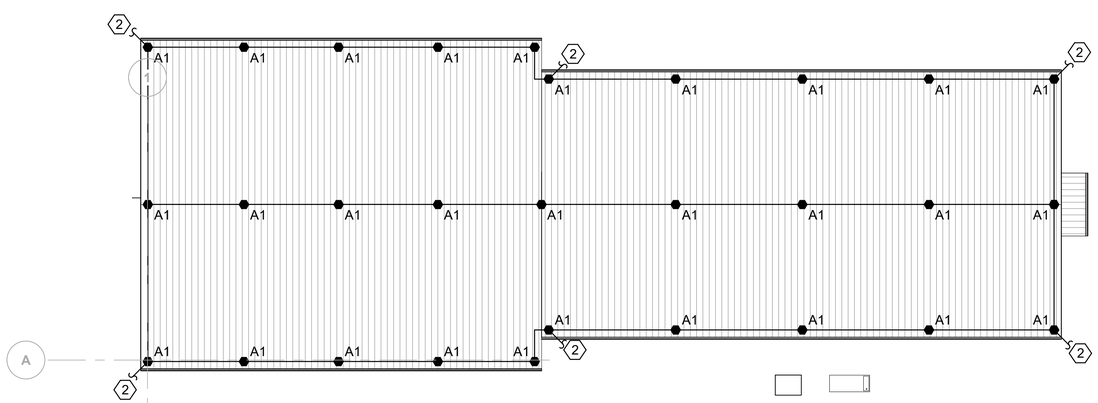


LIGHTNING PROTECTION ROOF ISOMETRIC - MAIN BUILDING (FOR REFERENCE ONLY)

D1 SCALE:NTS



LIGHTNING PROTECTION ROOF PLAN - MAIN BUILDING (FOR REFERENCE ONLY)

A1 SCALE: 1/16" = 1'-0"

PLAN NORTH

0 8' 16' 32'

GENERAL NOTES

1. REFER TO DRAWING E-001 AND E-002 FOR ADDITIONAL NOTES.
2. PROVIDE A FRANKLIN ROD TYPE LIGHTNING PROTECTION SYSTEM IN ACCORDANCE WITH NFPA780, UL96, AND AFI-32-1065. THIS IS A PERFORMANCE BASED SYSTEM, CONTRACTOR SHALL DESIGN AND INSTALL PER APPLICABLE STANDARD AND SPECIFICATIONS.
3. ALL SYSTEMS MATERIALS SHALL BE UL LISTED FOR LIGHTNING PROTECTION SYSTEMS. ALL CONDUCTORS SHALL BE LABELED EVERY 10' WITH UL LISTING.
4. THE COMPLETED SYSTEM SHALL BEAR THE UL MASTER LABEL, WHICH SHALL BE PROVIDED TO THE GOVERNMENT NO LATER THAN 30 DAYS AFTER COMPLETION.
5. ENSURE THAT MATERIALS USED ARE COMPATIBLE WITH THE ROOFING SYSTEM. DISSIMILAR METALS SHALL NOT BE UTILIZED.
6. SEE ARCHITECTURAL ROOF FOR PRICING AND DESIGN PURPOSES.
7. LIGHTNING PROTECTION SYSTEM AND DOWN CONDUCTOR SHALL NOT PENETRATE ROOFING SYSTEMS. COURSE DOWN CONDUCTORS TIGHT TO BUILDING FEATURES AND GUTTER DOWN SPOUTS WERE POSSIBLE TO MINIMIZE APPEARANCE OF CONDUCTORS.
8. BOND METALLIC OBJECTS ABOVE ROOF TO THE LPS.
9. PER UFC 3-575-01, 3-1, "THE CONTRACT FOR A LIGHTNING PROTECTION SYSTEM PROJECT, OR FOR ANY PROJECT ON A FACILITY CONTAINING A LIGHTNING PROTECTION SYSTEM SHALL REQUIRE AN LPS INSPECTION PRIOR TO ACCEPTANCE. THE LPS SHALL BE INSPECTED BY A COMMERCIAL, THIRD PARTY INSPECTOR WHOSE SOLE WORK IS LIGHTNING PROTECTION, AND SHALL BE CERTIFIED BY THIS THIRD-PARTY INSPECTOR AS COMPLIANT WITH AFI 32-1065 AND NFPA780, IN THAT PRIORITY ORDER. A UL CERTIFICATION ON ITS OWN SHALL NOT BE ADEQUATE FOR ACCEPTANCE OF ANY ARMY PROJECT. THE CONTRACTOR SHALL ENSURE THE FINAL LPS AS A WHOLE IS COMPLIANT WITH AFI 32-1065 AND NFPA 780, IN THAT PRIORITY ORDER. THE SAME THIRD PARTY INSPECTOR REQUIREMENTS SHALL APPLY. "
10. PER AFI 32-1065, ADHESIVE FASTENERS NOT ALLOWED PER SECURING EQUIPMENT TO FACILITY.
11. THE LIGHTNING PROTECTION SYSTEM SHALL FULLY COMPLY WITH THE BONDING AND SIDE FLASH REQUIREMENTS WITHIN AFI 32-1065 AND NFPA 780. THIS WILL REQUIRE THE REVIEW THE ENTIRE FACILITY DESIGN DRAWINGS SUCH THAT GROUNDING METAL BODIES ARE BONDED TO THE LIGHTNING PROTECTION SYSTEM. THIS WILL REQUIRE THE CONTRACTOR TO PROVIDE CALCULATIONS OF THE BASIC BONDING DISTANCE TO BE PROVIDED WITH THE SHOP DRAWINGS.

SHEET KEYNOTES

1. ISOMETRIC SHOWN TO PORTRAY THE ROOF SHAPES AND APPROXIMATE LOCATIONS OF OBJECTS ON ROOF. SEE ARCHITECTURAL, STRUCTURAL, AND MECHANICAL PLANS FOR DETAILED ROOF PLANS TO PREPARE THE LIGHTNING PROTECTION SHOP DRAWINGS.
2. DOWN CONDUCTOR CABLE PER NFPA 780. CONTINUE TO GROUNDING GRID.

NGUYEN PEREZ LICENSE No. 72149 STATE OF FLORIDA PROFESSIONAL ENGINEER

1/21/2026

US Army Corps of Engineers ®

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SIZE: ANSI D	FILE NAME: 18968 E Central

U.S. ARMY CORPS OF ENGINEERS
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FY25, PN 69262

LIGHTNING PROTECTION PLAN - MAIN BUILDING

SHEET ID

EG201

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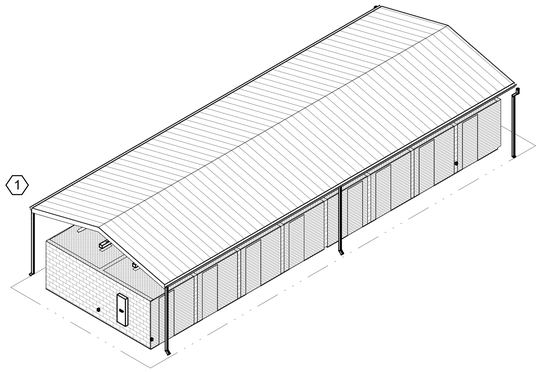
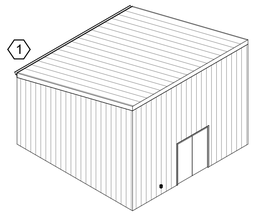


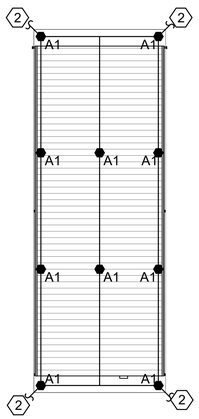
LIGHTNING PROTECTION ROOF ISOMETRIC - BREAK AREA (FOR REFERENCE ONLY)

D1 SCALE:NTS



LIGHTNING PROTECTION ROOF ISOMETRIC - STORAGE (FOR REFERENCE ONLY)

D5 SCALE:NTS

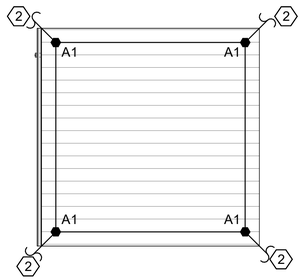


LIGHTNING PROTECTION ROOF PLAN - BREAK AREA (FOR REFERENCE ONLY)

A1 SCALE: 1/16" = 1'-0"

PLAN NORTH

0 8' 16' 32'



LIGHTNING PROTECTION ROOF PLAN - STORAGE (FOR REFERENCE ONLY)

A5 SCALE: 1/8" = 1'-0"

PLAN NORTH

0 4' 8' 16'

GENERAL NOTES

1. REFER TO DRAWING E-001 AND E-002 FOR ADDITIONAL NOTES.
2. PROVIDE A FRANKLIN ROD TYPE LIGHTNING PROTECTION SYSTEM IN ACCORDANCE WITH NFPA780, UL96, AND AFI-32-1065. THIS IS A PERFORMANCE BASED SYSTEM, CONTRACTOR SHALL DESIGN AND INSTALL PER APPLICABLE STANDARD AND SPECIFICATONS.
3. ALL SYSTEMS MATERIALS SHALL BE UL LISTED FOR LIGHTNING PROTECTION SYSTEMS. ALL CONDUCTORS SHALL BE LABELED EVERY 10' WITH UL LISTING.
4. THE COMPLTED SYSTEM SHALL BEAR THE UL MASTER LABEL, WHICH SHALL BE PROVIDED TO THE GOVERNMENT NO LATER THAN 30 DAYS AFTER COMPLETION.
5. ENSURE THAT MATERIALS USED ARE COMPATIBLE WITH THE ROOFING SYSTEM. DISSIMILAR METALS SHALL NOT BE UTILZED.
6. SEE ARCHITECTURAL ROOF FOR PRICING AND DESIGN PURPOSES.
7. LIGHTNING PROTECTION SYSTEM AND DOWN CONDUCTOR SHALL NOT PENERATE ROOFING SYSTEMS. COURSE DOWN CONDUCTORS TIGHT TO BUILDING FEATURES AND GUTTER DOWN SPOUTS WERE POSSIBLE TO MINIMIZE APPERANCE OF CONDUCTORS.
8. BOND METALLIC OBJECTS ABOVE ROOF TO THE LPS.
9. PER UFC 3-575-01, 3-1, "THE CONTRACT FOR A LIGHTNING PROTECTION PROTECTION SYSTEM PROJECT, OR FOR ANY PROJECT ON A FACILITY CONTAINING A LIGHTNING PROTECTION SYSTEM SHALL REQUIRE AN LPS INSPECTION PRIOR TO ACCEPTANCE. THE LPS SHALL BE INSPECTED BY A COMMERICAL, THIRD PARY INSPECTOR WHOSE SOLE WORK IS LIGHTNING PROTECTION, AND SHALL BE CERTIFIED BY THIS THIRD-PARTY INSPECTOR AS COMPLICANT WITH AFI 32-1065 AND NFPA780, IN THAT PRIORITY ORDER. A UL CERTIFICATION ON ITS OWN SHALL NOT BE ADEQUATE FOR ACCEPTANCE OF ANY ARMY PROJECT. THE CONTRACTOR SHALL ENSURE THE FINAL LPS AS A WHOLE IS COMPLIANT WITH AFI 32-1065 AND NFPA 780, IN THAT PRIORITY ORDER. THE SAME THIRD PARTY INSPECTOR REQUIREMENTS SHALL APPLY. "
10. PER AFI 32-1065, ADHESIVE FASTENERS NOT ALLOWED PER SECURING EQUIPMENT TO FACILITY.
11. THE LIGHTNING PROTECTION SYSTEM SHALL FULLY COMPLY WITH THE BONDING AND SIDE FLASH REQUIREMENTS WITHIN AFI 32-1065 AND NFPA 780. THIS WILL REQUIRE THE CONTRACTOR TO REVIEW THE ENTIRE FACILITY DESIGN DRAWINGS SUCH THAT GROUNDING METAL BODIES ARE BONDED TO THE LIGHTNING PROTECTION SYSTEM.THIS WILL REQUIRE THE CONTRACTOR TO PROVIDE CALCULATIONS OF THE BASIC BONDING DISTANCE TO BE PROVIDED WITH THE SHOP DRAWINGS.

SHEET KEYNOTES

1. ISOMETRIC SHOWN TO PORTRAY THE ROOF SHAPES AND APPROXIMATE LOCATIONS OF OBJECTS ON ROOF. SEE ARCHITECTURAL, STRUCTURAL, AND MECHANICAL PLANS FOR DETAILED ROOF PLANS TO PREPARE THE LIGHTNING PROTECTION SHOP DRAWINGS.
2. DOWN CONDUCTOR CABLE PER NFPA 780. CONTINUE TO GROUNDING GRID.

NGUYEN PEREZ LICENSE No. 72149 STATE OF FLORIDA PROFESSIONAL ENGINEER

1/21/2026

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE:	JANUARY, 2026
SOLICITATION NO.:	W912HN-26-B-A003
CONTRACT NO.:	
CATEGORY CODE:	141-001-401
FILE NAME:	18968 E_Central
DESIGN BY:	H. DAS
DRAWN BY:	H. DAS
CHECKED BY:	C. KLOS
SUBMITTED BY:	N. PEREZ
SIZE:	ANSI D

U.S. ARMY CORPS OF ENGINEERS
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9400 WARD PARKWAY KANSAS CITY, MO 64114

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LIGHTNING PROTECTION PLAN - EXTERIOR BUILDINGS

SHEET ID

EG202

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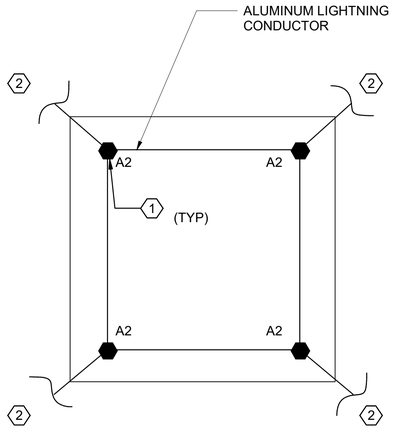
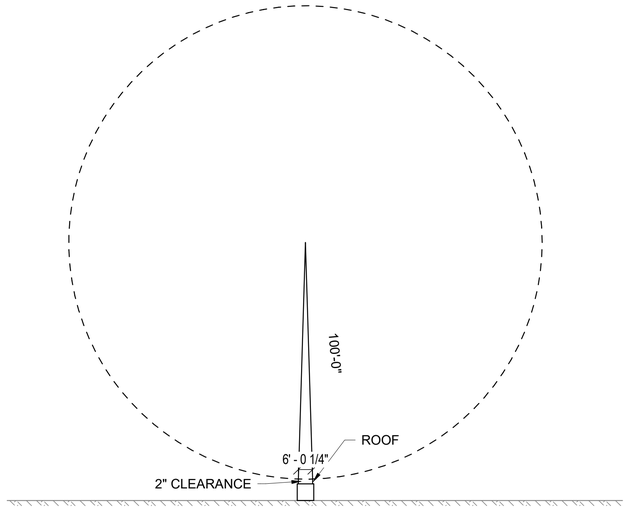


D1 LIGHTNING PROTECTION ROOF PLAN - ARMAG (FOR REFERENCE ONLY)

SCALE: 1/2" = 1'-0"

0 1' 2' 4'

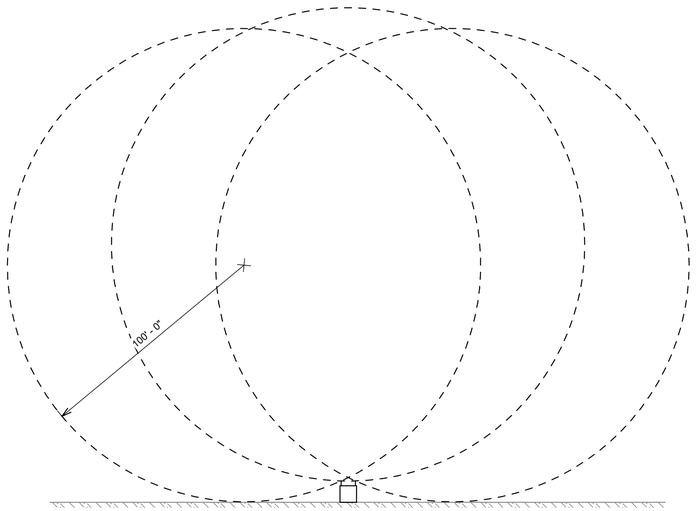
PLAN NORTH



D5 LIGHTNING PROTECTION SYSTEM 100' ROLLING SPHERE NORTH ELEVATION (FOR REFERENCE ONLY)

SCALE:NTS

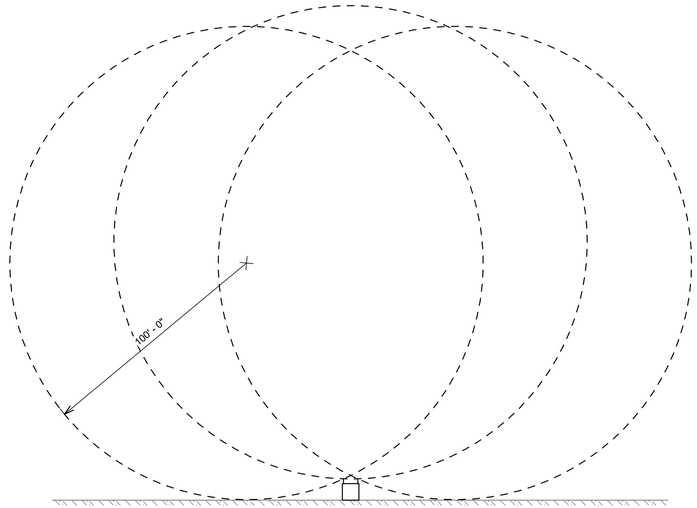
0 16' 32' 64'



A1 LIGHTNING PROTECTION SYSTEM 100' ROLLING SPHERE SOUTH ELEVATION (FOR REFERENCE ONLY) Copy 1

SCALE:NTS

0 16' 32' 64'



A5 LIGHTNING PROTECTION SYSTEM 100' ROLLING SPHERE WEST ELEVATION (FOR REFERENCE ONLY)

SCALE:NTS

0 16' 32' 64'

GENERAL NOTES

1. REFER TO DRAWING E-001 AND E-002 FOR ADDITIONAL NOTES.
2. PROVIDE A FRANKLIN ROD TYPE LIGHTNING PROTECTION SYSTEM IN ACCORDANCE WITH NFPA780, UL96, AND AFI-32-1065. THIS IS A PERFORMANCE BASED SYSTEM, CONTRACTOR SHALL DESIGN AND INSTALL PER APPLICABLE STANDARD AND SPECIFICATIONS.
3. ALL SYSTEMS MATERIALS SHALL BE UL LISTED FOR LIGHTNING PROTECTION SYSTEMS. ALL CONDUCTORS SHALL BE LABELED EVERY 10' WITH UL LISTING.
4. THE COMPLETED SYSTEM SHALL BEAR THE UL MASTER LABEL, WHICH SHALL BE PROVIDED TO THE GOVERNMENT NO LATER THAN 30 DAYS AFTER COMPLETION.
5. ENSURE THAT MATERIALS USED ARE COMPATIBLE WITH THE ROOFING SYSTEM. DISSIMILAR METALS SHALL NOT BE UTILIZED.
6. SEE ARCHITECTURAL ROOF FOR PRICING AND DESIGN PURPOSES.
7. LIGHTNING PROTECTION SYSTEM AND DOWN CONDUCTOR SHALL NOT PENETRATE ROOFING SYSTEMS. COURSE DOWN CONDUCTORS TIGHT TO BUILDING FEATURES AND GUTTER DOWN SPOUTS WERE POSSIBLE TO MINIMIZE APPEARANCE OF CONDUCTORS.
8. BOND METALLIC OBJECTS ABOVE ROOF TO THE LPS.
9. PER UFC 3-575-01, 3-1, "THE CONTRACT FOR A LIGHTNING PROTECTION SYSTEM PROJECT, OR FOR ANY PROJECT ON A FACILITY CONTAINING A LIGHTNING PROTECTION SYSTEM SHALL REQUIRE AN LPS INSPECTION PRIOR TO ACCEPTANCE. THE LPS SHALL BE INSPECTED BY A COMMERCIAL, THIRD PARTY INSPECTOR WHOSE SOLE WORK IS LIGHTNING PROTECTION, AND SHALL BE CERTIFIED BY THIS THIRD-PARTY INSPECTOR AS COMPLIANT WITH AFI 32-1065 AND NFPA780, IN THAT PRIORITY ORDER. A UL CERTIFICATION ON ITS OWN SHALL NOT BE ADEQUATE FOR ACCEPTANCE OF ANY ARMY PROJECT. THE CONTRACTOR SHALL ENSURE THE FINAL LPS AS A WHOLE IS COMPLIANT WITH AFI 32-1065 AND NFPA 780, IN THAT PRIORITY ORDER. THE SAME THIRD PARTY INSPECTOR REQUIREMENTS SHALL APPLY. "
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(#) SHEET KEYNOTES

1. LIGHTNING PROTECTION AIR TERMINAL.
2. DOWN CONDUCTOR CABLE PER NFPA 780. CONTINUE TO GROUNDING GRID.

NGUYEN PEREZ LICENSE No. 72149 STATE OF FLORIDA PROFESSIONAL ENGINEER

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DESIGN BY: H. DAS
DRAWN BY: H. DAS
CHECKED BY: C. KLOS
SUBMITTED BY: N. PEREZ
SIZE: ANSI D

U.S. ARMY CORPS OF ENGINEERS
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LIGHTNING PROTECTION PLAN - ARMAG

SHEET ID
EG203

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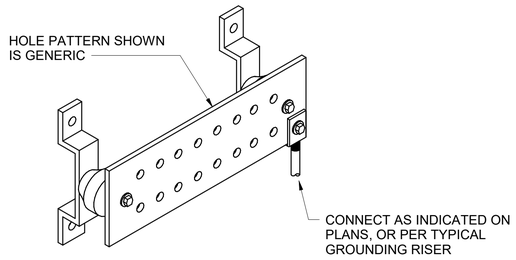
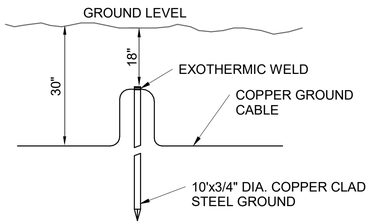


NOTES:

1. PROVIDE ADDITIONAL LENGTH AND MOUNTING HOLES AS NECESSARY FOR REQUIRED CONNECTIONS.

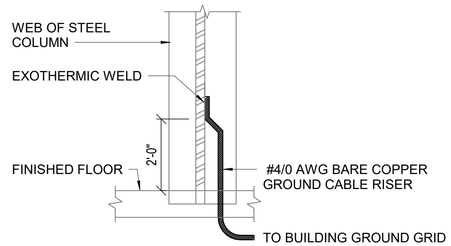
E1 TYPICAL GROUND BAR DETAIL

SCALE:NTS



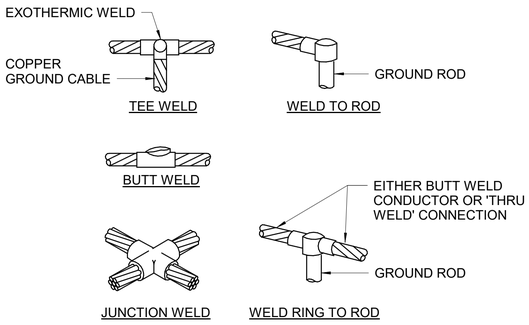
F4 TYPICAL GROUND ROD CONNECTION

SCALE:NTS



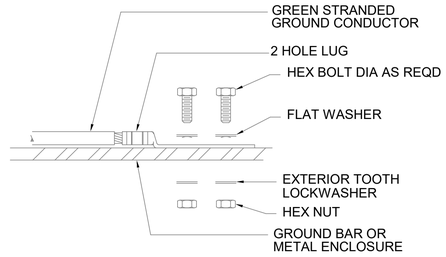
F7 TYPICAL EXOTHERMIC CONNECTION TO STEEL

SCALE:NTS

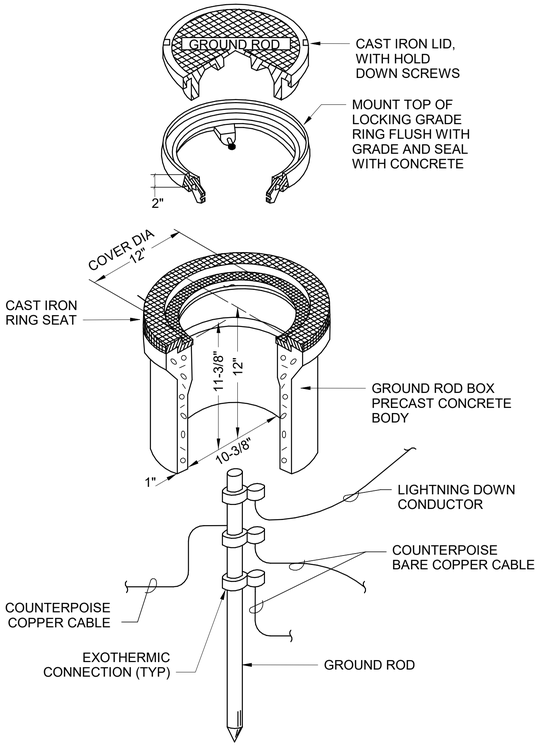


D4 TYPICAL EXOTHERMIC WELDS

SCALE:NTS

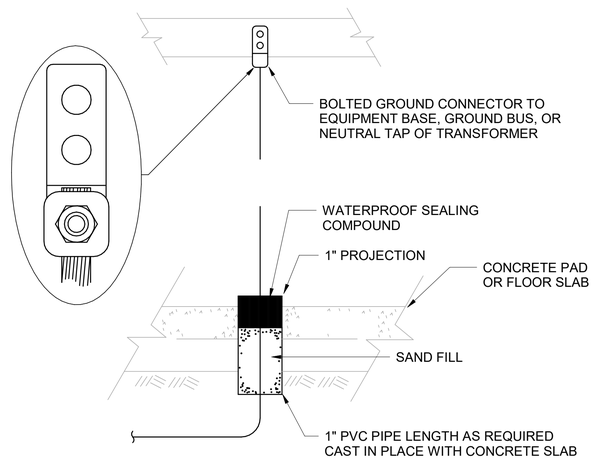


GROUNDING CONNECTION



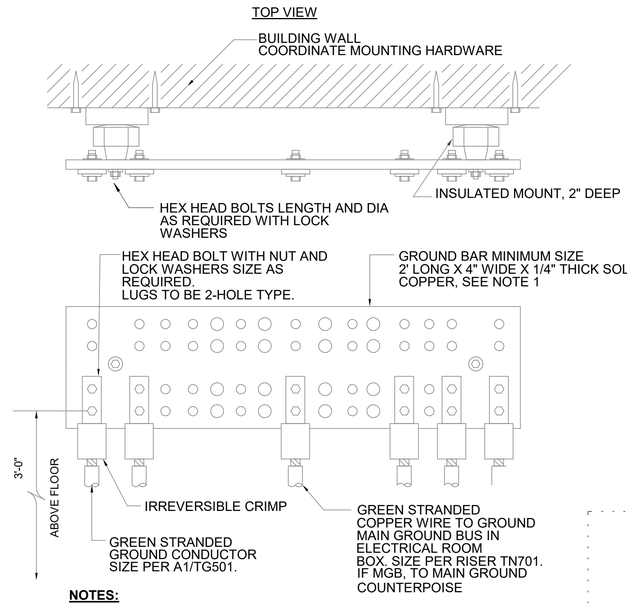
A1 TYPICAL GROUND TEST WELL

SCALE:NTS



A4 TYPICAL BONDING JUMPER SLAB PENETRATION AND CONNECTION

SCALE:NTS



NOTES:

1. PROVIDE NUMBER AND SIZE OF CONNECTORS AND GROUND CONDUCTORS AND LENGTH OF GROUND BAR AS REQUIRED FOR EACH GROUND BAR LOCATION.
2. PROVIDE GROUND BUS IN ACCORDANCE WITH TIA-607C GROUNDING STANDARDS.
3. DETAIL IS USED AN EXAMPLE. HOLE SIZE, SPACING AND PATTERN SHALL BE IN ACCORDANCE WITH TIA-607C.
4. PROVIDE UL LISTED GROUND BUS.

A7 PRIMARY BONDING BUSBAR (PBB) DETAIL

SCALE:NTS

NGUYEN PEREZ
LICENSE
No. 72149
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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CONTRACT NO.:
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DESIGN BY: H. DAS
DRAWN BY: H. DAS
CHECKED BY: C. KLOS
SUBMITTED BY: N. PEREZ
SIZE: ANSI D

U.S. ARMY CORPS OF ENGINEERS
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GROUNDING DETAILS

SHEET ID
EG501

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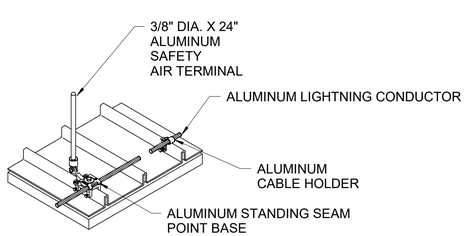
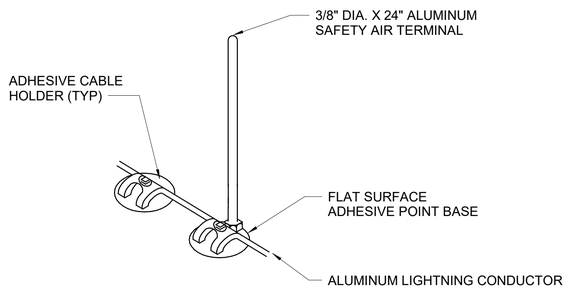


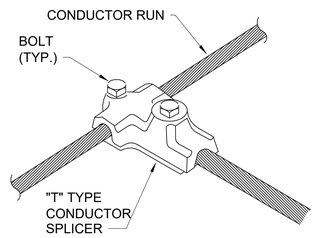
A1 TYPICAL ADJUSTABLE STANDING METAL SEAM ROOF AIR TERMINAL TYPE A1

SCALE:NTS



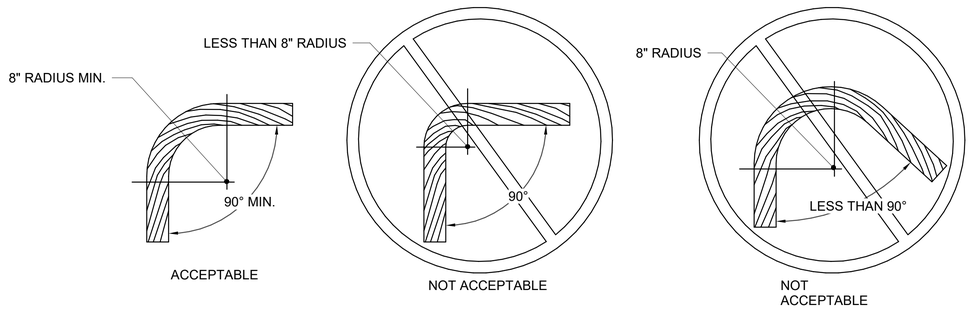
C1 TYPICAL LIGHTNING PROTECTION AIR TERMINAL TYPE A2

SCALE:NTS



C5 TYPICAL LIGHTNING PROTECTION "T" CABLE SPLICER

SCALE:NTS



A5 TYPICAL LIGHTNING PROTECTION CABLE BENDING REQUIREMENTS

SCALE:NTS

NGUYEN PEREZ LICENSE No. 72149 STATE OF FLORIDA PROFESSIONAL ENGINEER

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DRAWN BY: H. DAS
CHECKED BY: C. KLOS
SUPERVISED BY: J. PEREZ
SIZE: ANSI D
CATEGORY CODE: 141-001-401
FILE NAME: 139618_E_Central

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LIGHTNING PROTECTION DETAILS

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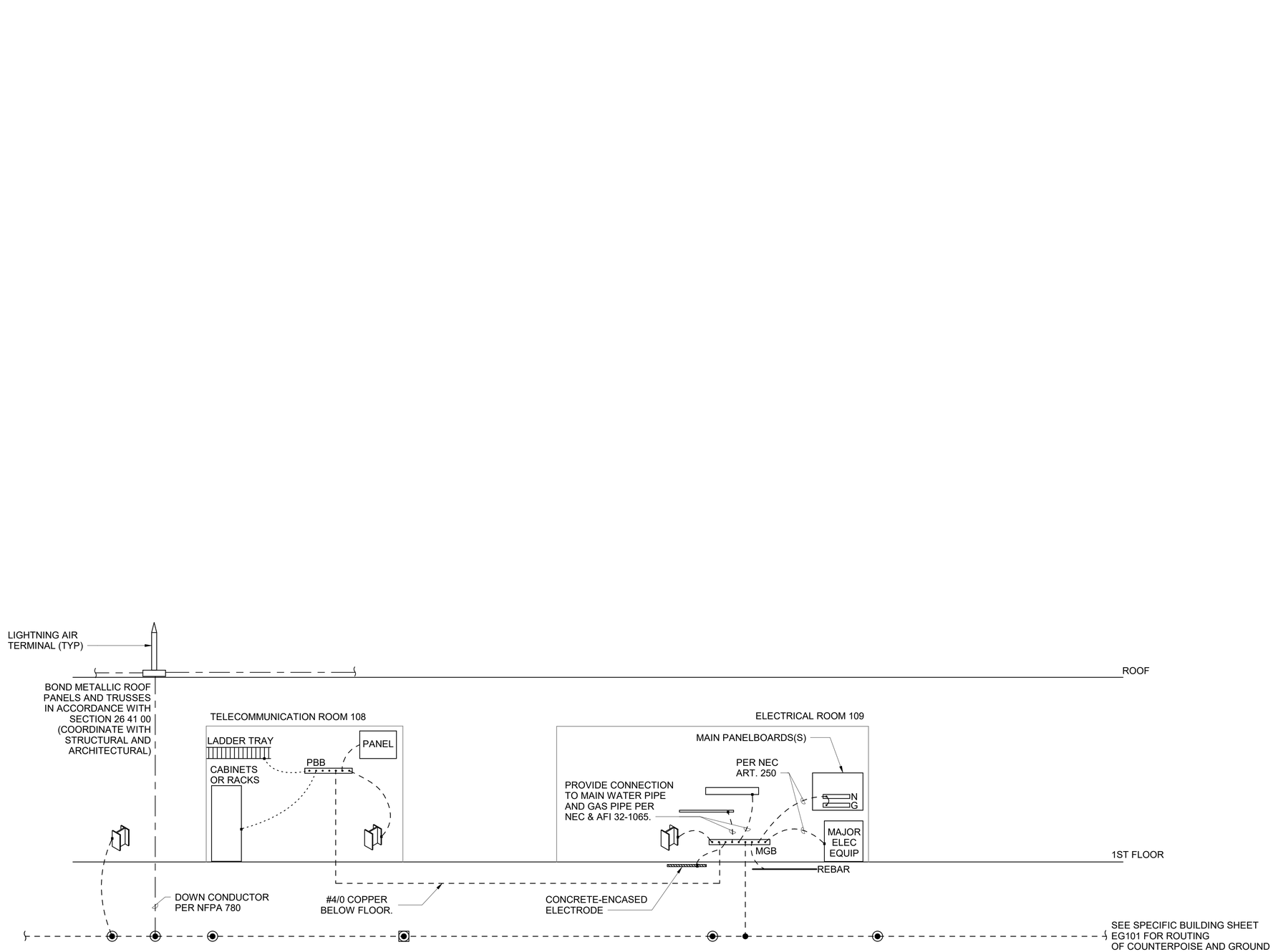

NOTES:

1. THIS DETAIL DOES NOT PRECLUDE THE REQUIREMENTS OF NEC ART. 250 OR NFPA 780. STRICTLY ADHERE TO NEC ART. 250, WHICH SUPERCEDES THIS DETAIL.
2. ALL TELECOMMUNICATIONS BONDING AND GROUNDING MUST COMPLY WITH TIA-607-C, EXCEPT WHERE NEC SUPERCEDES. COORDINATE ALL COMMUNICATIONS GROUNDING WITH COMMUNICATIONS DRAWINGS.

A1 GROUNDING RISER DIAGRAM

SCALE:NTS

NGUYEN PEREZ LICENSE No. 72149 STATE OF FLORIDA PROFESSIONAL ENGINEER

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DESIGN BY: H. DAS	ISSUE DATE: JANUARY, 2026
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GROUNDING RISER

SHEET ID

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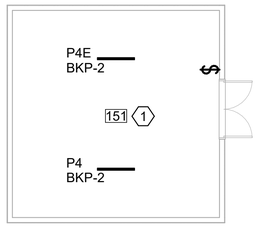
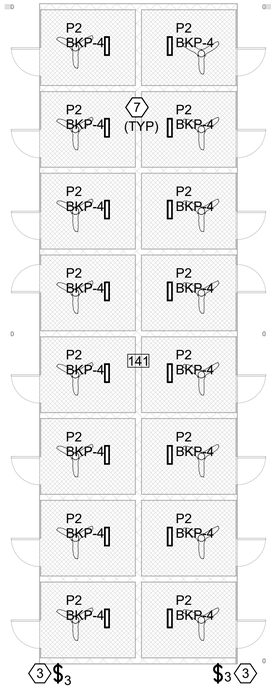
ROOM SCHEDULE	
NUMBER	NAME
100	VESTIBULE
101	CORRIDOR
102	KENNEL MASTER
103	TRAINER
104	MULTI-PURPOSE HANDLERS
106	MENS TOILET
107	FEMALE TOILET
108	TELECOM
109	ELECTRICAL
110	MECHANICAL
111	VETERINARY TREATMENT
112	SURGERY
113	FOOD STORAGE
114	HALL
115	TACK ROOM
116	MOTHERS ROOM
117	LOCKER ROOM
120	KENNEL CORRIDOR
121	OUTDOOR KENNEL
122	INDOOR KENNEL
123	KENNEL CORRIDOR
124	INDOOR KENNEL
125	OUTDOOR KENNEL
126	KENNEL CORRIDOR

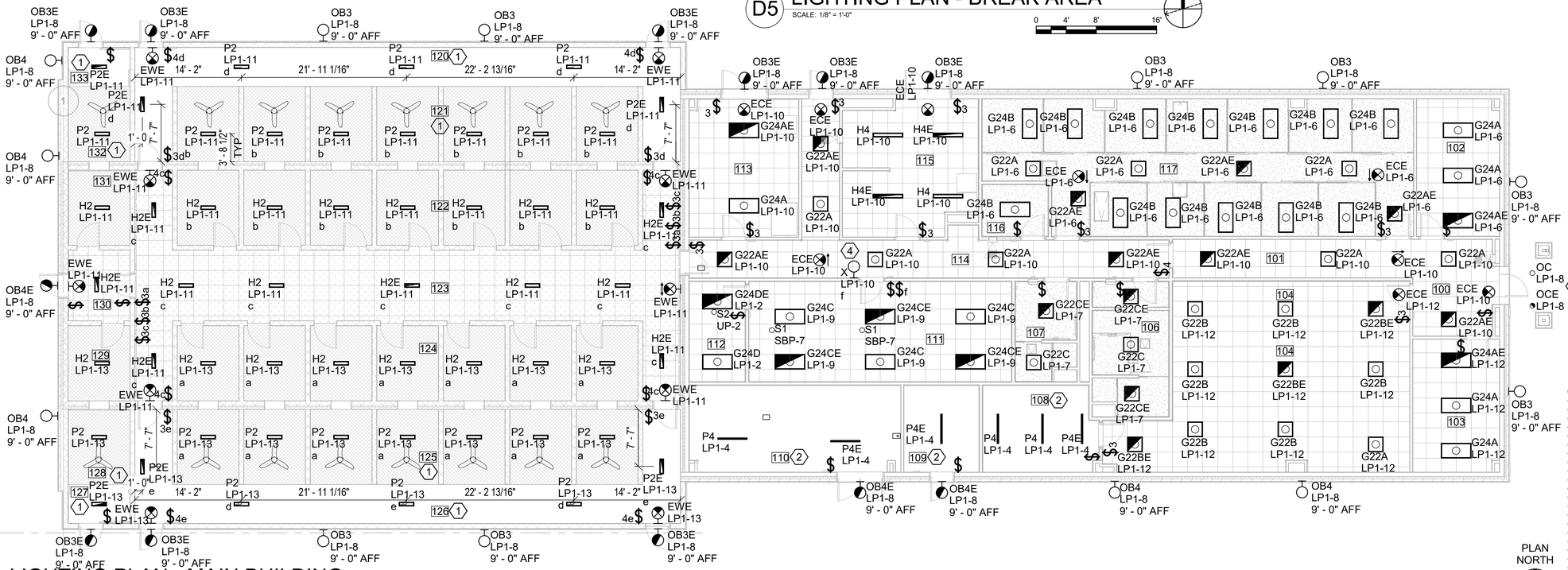
ROOM SCHEDULE	
NUMBER	NAME
127	QUARANTINE CORRIDOR
128	OUTDOOR QUARANTINE
129	INDOOR QUARANTINE
130	QUARANTINE VESTIBULE
131	INDOOR QUARANTINE
132	OUTDOOR QUARANTINE
133	QUARANTINE CORRIDOR
141	BREAK AREA
151	STORAGE



D2 LIGHTING PLAN - STORAGE
SCALE: 1/8" = 1'-0"



D5 LIGHTING PLAN - BREAK AREA
SCALE: 1/8" = 1'-0"



A1 LIGHTING PLAN - MAIN BUILDING
SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. SEE SHEET E-001, E-002, AND E-003 FOR GENERAL SHEET NOTES, LEGEND, AND ABBREVIATIONS.
2. ALL EXIT SIGNS MUST BE UNSWITCHED. WIRE EXIT SIGNS AND EMERGENCY LIGHTING BATTERY UNITS AHEAD OF THE LOCAL SWITCH TO THE NORMAL LIGHTING CIRCUIT LOCATED IN THE SAME ROOM OR AREA.
3. SEE SHEET A-103 FOR CEILING LEGEND.

⟨#⟩ SHEET KEYNOTES

1. MOUNT SUSPENDED FIXTURES +10'-8" AFF. COORDINATE EXACT LOCATION WITH DUCT, PIPE, AND CEILING FAN. ALL LINEAR FIXTURES WITHTIN ROOMS 121,122,124, AND 125 MUST BE ALIGNED.
2. MOUNT SUSPENDED FIXTURES +8'-0" AFF. COORDINATE EXACT LOCATION WITH DUCT AND PIPE.
3. PROVIDE WEATHERPROOF LIGHT SWITCH. COORDINATE SWITCH LOCATION WITH ELECTRICAL EQUIPMENT.
4. MOUNT FIXTURE TYPE X 1FT ABOVE DOOR. LABEL LIGHT SWITCH 'XRAY IN USE SIGN'
5. COORDINATE EXAM LIGHT FIXTURE MOUNTING LOCATION WITH TREATMENT AND TUB TABLES.
6. COORDINATE SURGICAL LIGHT FIXTURE MOUNTING LOCATION WITH SURGICAL TABLE.
7. MOUNT SUSPENDED FIXTURES +9'-0" AFF. COORDINATE EXACT LOCATION WITH DUCT, PIPE, AND CEILING FANS.
8. COORDINATE LIGHT FIXTURE PLACEMENT TO METAL CANOPY WITH PRE-ENGINEERED BUILDING MANUFACTURER.

US Army Corps of Engineers ®

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FILE NAME: 189818 E Central

DESIGN BY: H. DAS
DRAWN BY: H. DAS
CHECKED BY: C. KLOS
SUBMITTED BY: J. PEREZ
SIZE: ANSI D

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FY25, PN 69262

LIGHTING PLAN

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LIGHTING CONTROLS MATRIX CONTROL SCHEME NOTES:

1. SPACES INDICATED WITH "OC1" MUST HAVE THE FOLLOWING FEATURES AND FUNCTIONS:
   - A. OCCUPANCY SENSOR THAT TURNS LIGHTS ON TO 100% LEVEL AS OCCUPANT ENTERS THE ROOM WITHIN 3FT OF EACH ENTRY PT. SENSORS MUST BE PLACED THROUGH DESIGNATED SPACE TO ENSURE FULL COVERAGE.
   - B. USER MUST HAVE CAPABILITY OF TURNING LIGHTS COMPLETELY OFF THROUGH LOCAL WALL SWITCH. LIGHTING MUST AUTOMATICALLY TURN OFF WHEN OCCUPANTS HAVE BEEN ABSENT FOR 5 MIN, ALTHOUGH SYSTEM MUST BE CAPABLE OF ADJUSTABLE DELAY OF 5-30 MIN.
   - C. EACH SPACE IS NOT DEEMED "MULTI -OCCUPANT SPACES" AND HAVE SINGLE LEVEL SWITCHING. JANITORS CLOSETS AND SINGLE FIXTURE TOILETS MAY UTILIZE WALL MOUNTED SENSOR IN LIEU OF CEILING MOUNTED.

2. SPACES INDICATED WITH "OC2" MUST HAVE THE FOLLOWING FEATURES AND FUNCTIONS:
   - A. OCCUPANCY SENSOR THAT TURNS LIGHTS ON TO 50% LEVEL AS OCCUPANT ENTERS THE ROOM WITHIN 3FT OF EACH ENTRY POINT. SENSORS MUST BE PLACED THROUGH DESIGNATED SPACE TO ENSURE FULL COVERAGE.
   - B. USER MUST HAVE CAPABILITY OF TURNING LIGHTS COMPLETELY OFF THROUGH LOCAL WALL SWITCH. LIGHTING MUST AUTOMATICALLY TURN OFF WHEN OCCUPANTS HAVE BEEN ABSENT FOR 5 MIN, ALTHOUGH SYSTEM MUST BE CAPABLE OF ADJUSTABLE DELAY OF 5-30 MIN.
   - C. USER MUST HAVE CAPABILITY TO TURN LIGHTS TO 100% MANUALLY THROUGH LOCAL WALL SWITCH.

3. SPACES INDICATED WITH "OC2-R" MUST HAVE THE FOLLOWING FEATURES AND FUNCTIONS:
   - A. FUNCTION AS DESCRIBED IN CONTROL SCHEME "OC2" ABOVE.
   - B. ADDITIONALLY, RECEPTACLE AUTOMATIC CONTROLS MUST BE INSTALLED PER ASHRAE 90.1-2013, SECTION 8.4.2.
   - C. ALL 120V DUPLEX RECEPTACLES MUST BE CIRCUITED SUCH THAT ONE OF THE SIMPLEX OUTLETS IS ALWAYS ON (UNCONTROLLED) AND THE OTHER IS SWITCHED AUTOMATICALLY (CONTROLLED) VIA THE LOCAL ROOM OCCUPANCY SENSOR(S). SEE A8/EP501 AND A1/EP502.

4. SPACES INDICATED WITH "OC3" MUST HAVE THE FOLLOWING FEATURES AND FUNCTIONS:
   - A. OCCUPANCY SENSOR THAT TURNS LIGHTS ON TO 100% LEVEL AS OCCUPANT ENTERS THE ROOM WITHIN 3FT OF EACH ENTRY POINT. SENSORS MUST BE PLACED THROUGH DESIGNATED SPACE TO ENSURE FULL COVERAGE.
   - B. USER MUST HAVE CAPABILITY OF TURNING LIGHTS COMPLETELY OFF THROUGH LOCAL WALL SWITCH. LIGHTING MUST AUTOMATICALLY TURN OFF WHEN OCCUPANTS HAVE BEEN ABSENT FOR 15 MIN, ALTHOUGH SYSTEM MUST BE CAPABLE OF ADJUSTABLE DELAY OF 5-30 MIN.

5. SPACES INDICATED WITH "SW" MUST HAVE THE FOLLOWING FEATURES AND FUNCTIONS:
   - A. STANDARD LOCAL SNAP-SWITCH FOR COMPLETELY MANUAL CONTROL OF ON-OFF BY USER

6. SPACES INDICATED WITH "SV/DIM" MUST HAVE THE FOLLOWING FEATURES AND FUNCTIONS:
   - A. LIGHTS SHALL BE FULLY DIMMABLE THROUGH MANUAL DIMMER.
   - B. OCCUPANT MUST MANUALLY SWITCH LIGHTS ON AT LOCAL WALL SWITCH. USER MUST HAVE CAPABILITY OF TURNING LIGHTS COMPLETELY OFF AT LOCAL WALL SWITCH.

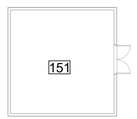
GENERAL NOTES: APPLICABLE TO ALL LIGHTING SHEETS:

1. SEE SHEET EL501 FOR LIGHTING CONTROL MATRIX AND FLOOR PLAN
2. EACH SPACE MUST HAVE DEDICATED LOCAL CONTROLS USING STANDARD "OFF-THE-SHELF" COMPONENTS.
3. CONTRACTOR MUST PREPARE SHOP DRAWINGS INDICATING QUANTITY AND LOCATIONS OF AUTOMATIC OCCUPANCY/VACANCY SENSORS PER MANUFACTURER'S RECOMMENDATION FOR THE SPACE BEING CONTROLLED.
4. SHOP DRAWINGS MUST INCLUDE SCHEMATICS OF THE PROPOSED LIGHTING CONTROLS FOR EACH TYPE OF CONTROL SCHEME. SCHEMATICS MUST INCLUDE WIRING DIAGRAMS AND ALL COMPONENT PART NUMBERS.
5. SEE LIGHTING CONTROLS DETAILS ON SHEETS EL502 AND EL503 FOR ADDITIONAL INFORMATION.
6. WIRELESS CONTROLS MUST NOT BE USED.
7. LIGHTING CONTROL PANELS AND LOCAL AREA LIGHTING CONTROLLERS (ROOM CONTROLLERS) MUST BE PROVIDED WITH DRY CONTACT RELAYS FOR FIRE ALARM PANEL OVERRIDE. UPON ACTIVATION OF BUILDING FIRE ALARM SYSTEM, ALL NORMAL AND EMERGENCY LIGHT FIXTURES MUST AUTOMATICALLY INCREASE TO 100% FOR ALL SPACES AND OVERRIDE LOCAL CONTROLS.
8. SEE LIGHTING CONTROL PANEL DIAGRAM ON SHEET EL503 FOR BUILDING EXTERIOR LIGHTING.
9. OCCUPANCY/VACANCY SENSORS WILL BE DUAL-TECHNOLOGY (ULTRASONIC AND INFRARED) AND WILL BE CEILING OR WALL MOUNTED IN OPEN OFFICE AREAS, ADMINISTRATIVE AREAS, LOBBY ENTRANCE, CORRIDORS, VESTIBULES, AND OTHER ROOMS THAT AUTOMATIC CONTROLS WOULD NOT CAUSE A HAZARD.

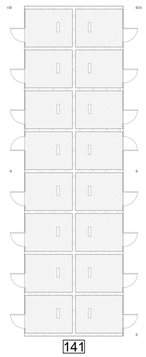
LIGHTING CONTROLS MATRIX

NAME	RM #	CONTROLS
VESTIBULE	100	OC3
CORRIDOR	101	OC3
KENNEL MASTER	102	OC2-R
TRAINER	103	OC2-R
MULTI-PURPOSE HANDLERS	104	OC2-R
MENS TOILET	106	OC1
FEMALE TOILET	107	OC1
TELECOM	108	SW
ELECTRICAL	109	SW
MECHANICAL	110	SW
VETERINARY TREATMENT	111	SV/DIM
SURGERY	112	SV/DIM
FOOD STORAGE	113	OC2
HALL	114	OC3
TACK ROOM	115	OC2
MOTHERS ROOM	116	OC2
LOCKER ROOM	117	OC2
KENNEL CORRIDOR	120	SW
OUTDOOR KENNEL	121	SW
INDOOR KENNEL	122	SW
KENNEL CORRIDOR	123	SW
INDOOR KENNEL	124	SW
OUTDOOR KENNEL	125	SW
KENNEL CORRIDOR	126	SW
QUARANTINE CORRIDOR	127	SW
OUTDOOR QUARANTINE	128	SW
INDOOR QUARANTINE	129	SW
QUARANTINE VESTIBULE	130	SW
INDOOR QUARANTINE	131	SW
OUTDOOR QUARANTINE	132	SW
QUARANTINE CORRIDOR	133	SW
BREAK AREA	141	SW
STORAGE	151	OC2

A1 LIGHTING CONTROLS PLAN - MAIN BUILDING
SCALE:NTS
PLAN NORTH
0 8' 16' 32'



A6 LIGHTING CONTROLS PLAN - STORAGE
SCALE:NTS
PLAN NORTH
0 8' 16' 32'



A8 LIGHTING CONTROLS PLAN - BREAK AREA
SCALE:NTS
PLAN NORTH
0 8' 16' 32'

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MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-01
FILE NAME: 189818_E_Central
DESIGN BY: H. DAS
DRAWN BY: H. DAS
CHECKED BY: C. KLOS
SUBMITTED BY: N. PEREZ
SIZE: ANSI D

U.S. ARMY CORPS OF ENGINEERS
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100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

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HUNTER ARMY AIRFIELD, GEORGIA
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FY'25, PN 69262

LIGHTING CONTROL PLAN

SHEET ID
EL501

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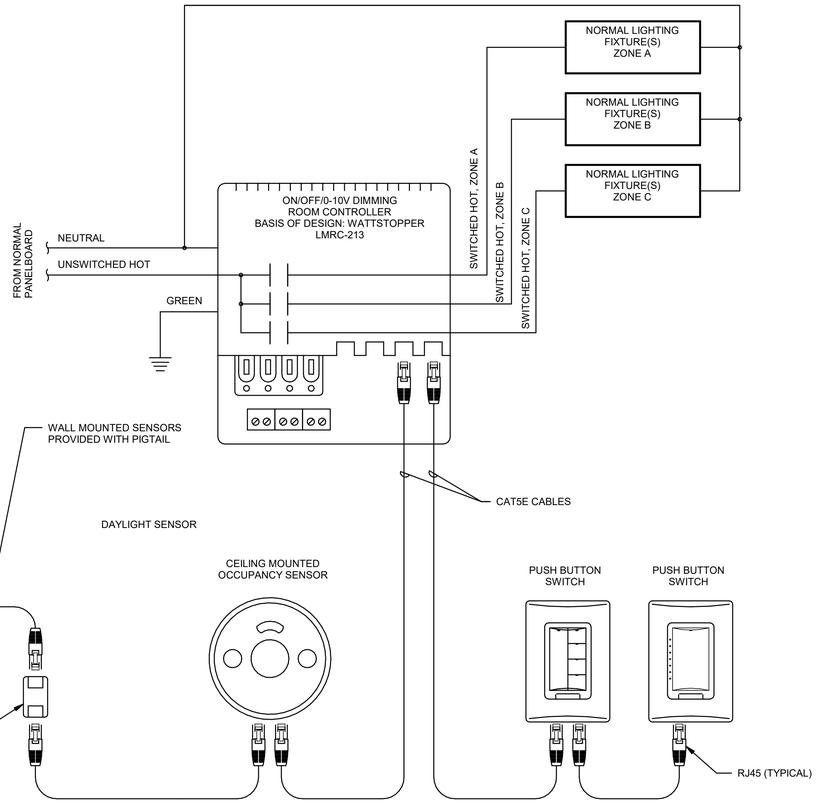
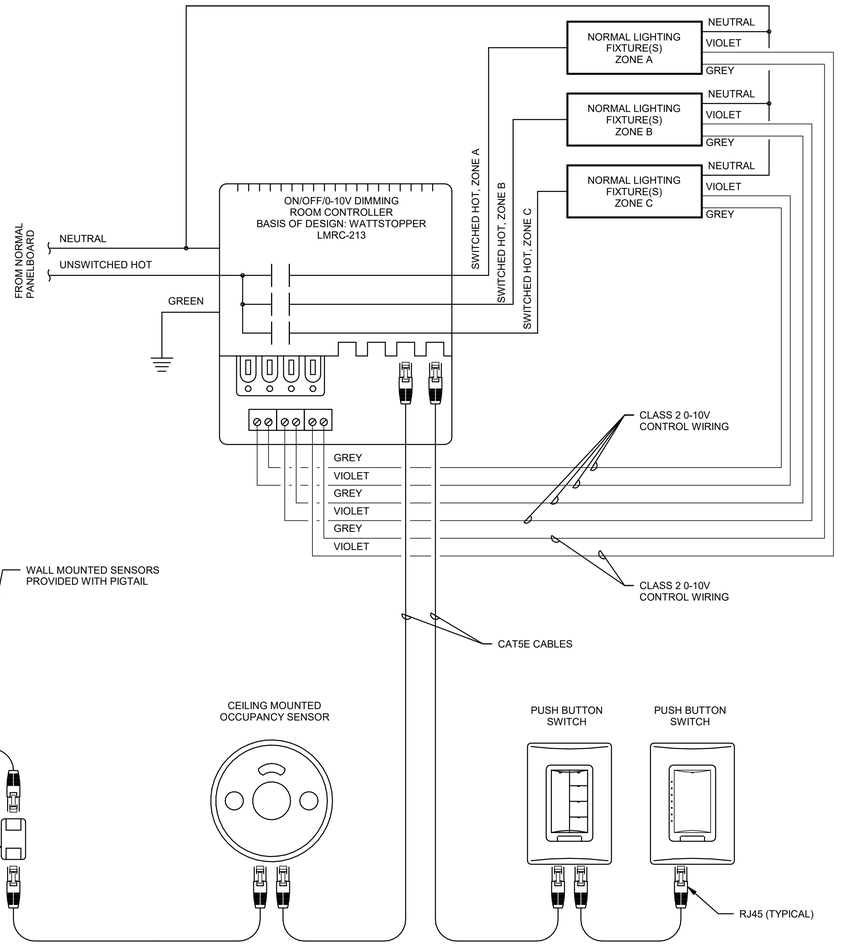


NOTES:

1. LIGHTING CONTROL CABLING MUST BE PLENUM RATED.
2. LIGHTING CONTROL CABLING MUST BE INSTALLED IN CONDUIT IN THE FOLLOWING LOCATIONS: BLOCK WALLS, GYPSUM PARTITION WALLS, EXPOSED CEILINGS, AND GYPSUM (HARD LID) CEILING AREAS.
3. OPEN CABLING MAY BE USED IN LAY-IN CEILING AREAS. CABLING MUST BE SUSPENDED A MINIMUM OF 8 INCHES ABOVE CEILINGS BY CABLE SUPPORTS NO GREATER THAN 60 INCHES APART. CABLE MUST NOT BE RUN THROUGH STRUCTURAL MEMBERS OR IN CONTACT WITH PIPES, DUCTS, OR OTHER POTENTIALLY DAMAGING ITEMS. PLACEMENT OF CABLE PARALLEL TO POWER CONDUCTORS MUST BE AVOIDED WHERE POSSIBLE.

TYPICAL ROOM CONTROLLER WIRING DIAGRAM - ON/OFF ONLY

A1 SCALE:NTS



NOTES:

1. LIGHTING CONTROL CABLING MUST BE PLENUM RATED.
2. LIGHTING CONTROL CABLING MUST BE INSTALLED IN CONDUIT IN THE FOLLOWING LOCATIONS: BLOCK WALLS, GYPSUM PARTITION WALLS, EXPOSED CEILINGS, AND GYPSUM (HARD LID) CEILING AREAS.
3. OPEN CABLING MAY BE USED IN LAY-IN CEILING AREAS. CABLING MUST BE SUSPENDED A MINIMUM OF 8 INCHES ABOVE CEILINGS BY CABLE SUPPORTS NO GREATER THAN 60 INCHES APART. CABLE MUST NOT BE RUN THROUGH STRUCTURAL MEMBERS OR IN CONTACT WITH PIPES, DUCTS, OR OTHER POTENTIALLY DAMAGING ITEMS. PLACEMENT OF CABLE PARALLEL TO POWER CONDUCTORS MUST BE AVOIDED WHERE POSSIBLE.

TYPICAL ROOM CONTROLLER WIRING DIAGRAM - ON/OFF/DIMMING

A6 SCALE:NTS

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

DESIGN BY:	H. DAS
DRAWN BY:	H. DAS
CHECKED BY:	C. KLOS
SUBMITTED BY:	N. PEREZ
SIZE:	ANSI D
ISSUE DATE:	JANUARY, 2026
SOLICITATION NO.:	W912HN-26-B-A003
CONTRACT NO.:	
CATEGORY CODE:	141-001-401
FILE NAME:	189818_E_Central

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LIGHTING CONTROL WIRING DIAGRAMS

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SHEET ID
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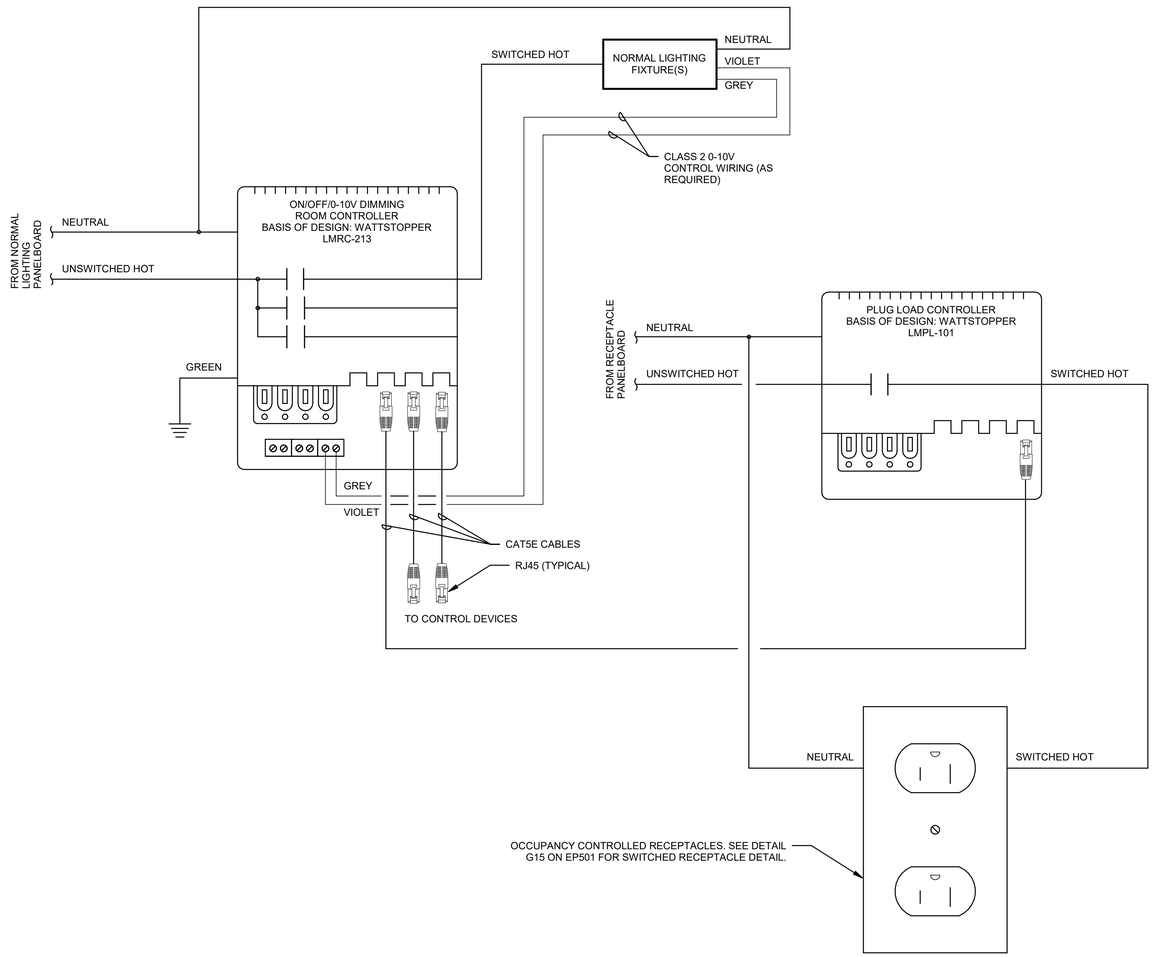
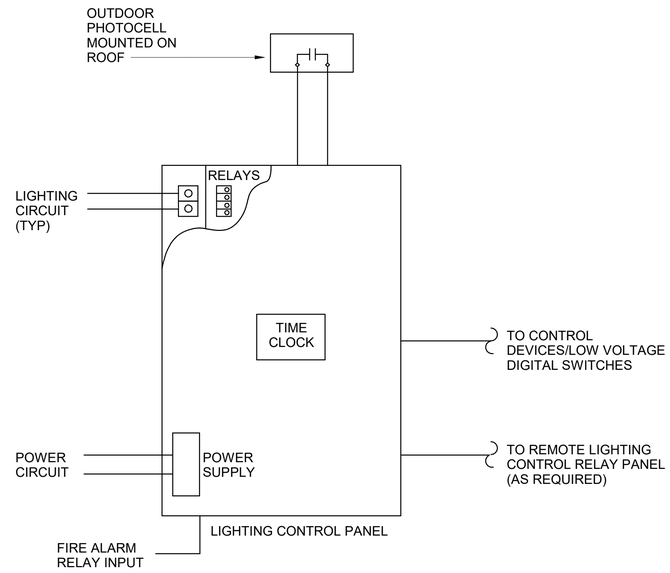


NOTES:

1. FOR SIMPLICITY, WIRING FOR ONLY ONE ZONE WITHOUT EMERGENCY LIGHTING IS SHOWN. WHERE MULTIPLE ZONES AND/OR EMERGENCY LIGHTING ZONE(S) ARE INDICATED WITHIN A SPACE WITH SWITCHED RECEPTACLES, WIRING AND EMERGENCY CONTROL RELAY(S) (AS REQUIRED) MUST BE INSTALLED PER THE APPLICABLE DETAILS. REFER TO EL601 FOR ADDITIONAL INFORMATION REGARDING MULTIPLE ZONES. REFER TO DETAIL A1 THIS SHEET FOR MORE INFORMATION REGARDING EMERGENCY LIGHTING.
2. REFER TO POWER FLOOR PLANS, EP100 SERIES SHEETS, FOR LOCATIONS OF SWITCHED RECEPTACLES.
3. OCCUPANCY SENSOR MUST TURN SWITCHED RECEPTACLE(S) OFF WHEN NO MOTION IS SENSED IN THE SPACE FOR 15 MINUTES.
4. LIGHTING CONTROL CABLING MUST BE PLENUM RATED.
5. LIGHTING CONTROL CABLING MUST BE INSTALLED IN CONDUIT IN THE FOLLOWING LOCATIONS: BLOCK WALLS, GYPSUM PARTITION WALLS, EXPOSED CEILINGS, AND GYPSUM (HARD LID) CEILING AREAS.
6. OPEN CABLING MAY BE USED IN LAY-IN CEILING AREAS. CABLING MUST BE SUSPENDED A MINIMUM OF 8 INCHES ABOVE CEILINGS BY CABLE SUPPORTS NO GREATER THAN 60 INCHES APART. CABLE MUST NOT BE RUN THROUGH STRUCTURAL MEMBERS OR IN CONTACT WITH PIPES, DUCTS, OR OTHER POTENTIALLY DAMAGING ITEMS. PLACEMENT OF CABLE PARALLEL TO POWER CONDUCTORS MUST BE AVOIDED WHERE POSSIBLE.

A1 TYPICAL ROOM CONTROLLER WITH RECEPTACLE CONTROL WIRING DIAGRAM

SCALE:NTS



LIGHTING CONTROL PANEL SCHEDULE LCRPA		
LIGHTING CIRCUIT #	DESCRIPTION	LOAD VOLTAGE
LP1-13	EXTERIOR BUILDING MOUNTED LIGHTING	120
SEE NOTE 4	EXTERIOR POLE MOUNTED LIGHTING	SEE NOTE 4

NOTES:

1. PROVIDE MINIMUM 8 RELAYS FOR EACH RELAY CONTROL PANEL.
2. PROVIDE UL924 RELAY DEVICES FOR EMERGENCY LIGHTING FIXTURES TO OVERRIDE DIMMING FROM CONTROL DEVICES. SEE PLANS FOR DESIGNATION OF EMERGENCY LIGHTING FIXTURES.
3. EXTERIOR LIGHTING TO BE AUTOMATICALLY CONTROLLED BY PHOTOCELL.
4. COORDINATE CIRCUIT WITH UTILITY.

B7 LIGHTING CONTROL PANEL

SCALE:NTS

1/21/2026

US Army Corps of Engineers ®

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SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-401
FILE NAME: 189818_E_Central

DESIGN BY: H. DAS
DRAWN BY: H. DAS
CHECKED BY: C. KLOS
SUBMITTED BY: N. PEREZ
SIZE: ANSI D

U.S. ARMY CORPS OF ENGINEERS
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LIGHTING CONTROL WIRING DIAGRAMS

SHEET ID

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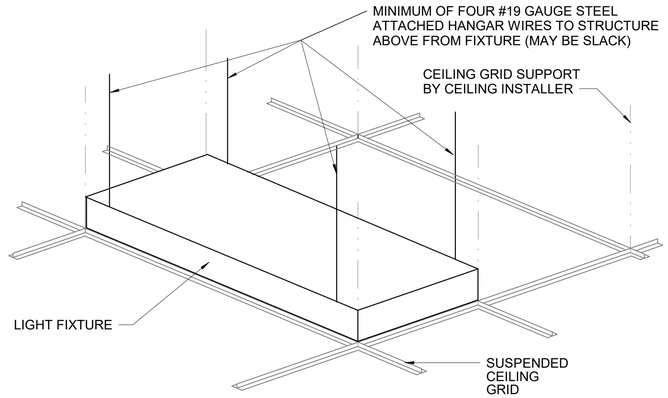
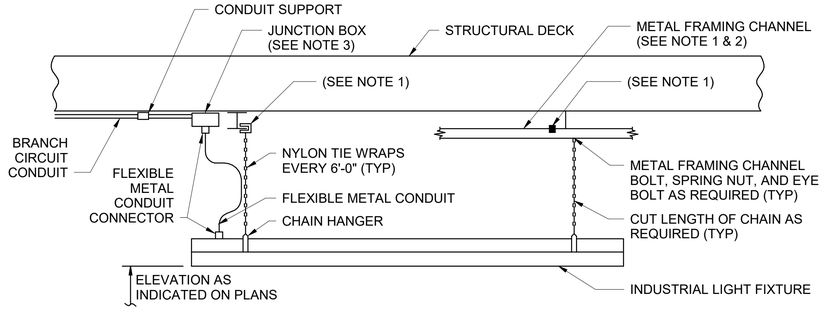


E4 TYPICAL RECESSED FIXTURE DETAIL

SCALE:NTS

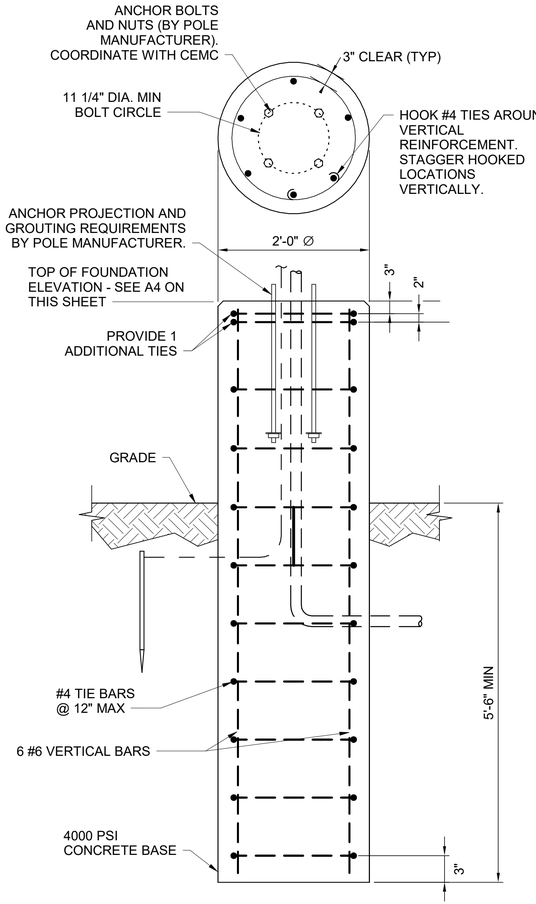


NOTES:

1. BEAM CLAMP (TYPICAL AT BEAM LOCATIONS ONLY). SEE DETAIL A1/S-016 FOR CONNECTION TO STRUCTURE AT JOIST LOCATIONS. SUSPEND CHAIN FROM STRUCTURE OR FROM METAL FRAMING CHANNEL, WHEN BEAM SPACING DOES NOT COINCIDE WITH FIXTURE SPACING AND PLACEMENT.
2. METAL FRAMING CHANNEL CAN ALSO BE USED AS RACEWAY (WHEN U.L. APPROVED FOR USE).
3. PROVIDE SUPPORT FOR JUNCTION BOXES.

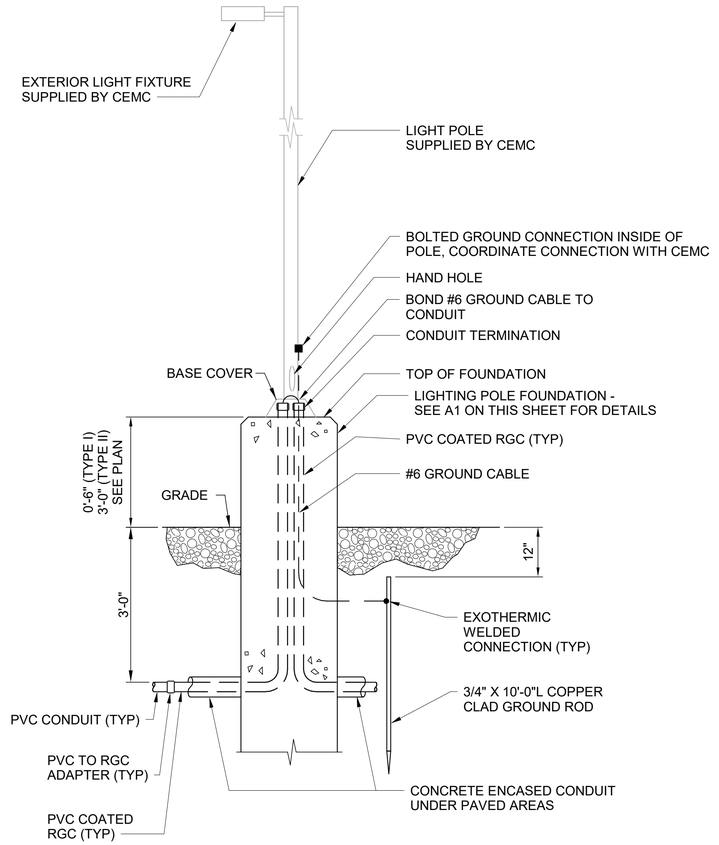
E7 TYPICAL SUSPENDED STRIP FIXTURE DETAIL

SCALE:NTS



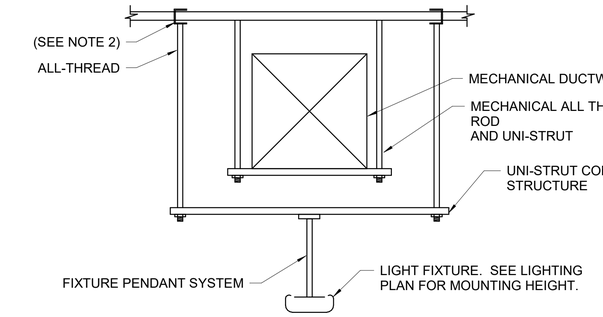
A1 LIGHTING POLE FOUNDATION DETAIL

SCALE:NTS



A4 AREA LIGHT FIXTURE INSTALLATION ON LIGHTING POLE

SCALE:NTS



NOTES:

1. DETAIL IS FOR TYPICAL ROUTING. CONTRACTOR SHALL ROUTE STRUT AND ALL THREAD RODS AS REQUIRED TO HANG LIGHT FIXTURE FROM STRUCTURE ABOVE.
2. BEAM CLAMP (TYP AT BEAM LOCATIONS ONLY). SEE DETAIL A1/S-016 FOR CONNECTION TO STRUCTURE AT JOIST LOCATIONS.

C7 TYPICAL PENDANT MOUNTED FIXTURE DETAIL

SCALE:NTS

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H. DAS	W912HN-26-B-A003
CHECKED BY:	CONTRACT NO.:
C. KLOS	
SUBMITTED BY:	CATEGORY CODE:
N. PEREZ	141-001-401
SIZE:	FILE NAME: 189618_E_Central
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SAVANNAH, GA 31401-3640

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LIGHTING DETAILS

SHEET ID
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INTERIOR LIGHT FIXTURE SCHEDULE

FIXTURE		LAMP INFORMATION		FIXTURE INFORMATION				
TYPE	MODIFIER	TYPE	COLOR TEMP	FIXTURE LUMENS	VOLTAGE	LOAD	DESCRIPTION	MOUNTING
EC	E	LED			120 V	5 VA	CEILING MOUNTED LED EXIT SIGN	CEILING, SURFACE
EW	E	LED			120 V	5 VA	WALL MOUNTED LED EXIT SIGN	CEILING, SURFACE
G22A		LED	4000 K	4661 lm	120 V	20 VA	2' X 2' LED RECESSED INVERTED PRISMATIC LENS TROFFER LUMINAIRE	CEILING, RECESSED
G22A	E	LED	4000 K	4661 lm	120 V	20 VA	2' X 2' LED RECESSED INVERTED PRISMATIC LENS TROFFER LUMINAIRE, BATTERY BACKUP (MIN 1000LM)	CEILING, RECESSED
G22B		LED	4000 K	3580 lm	120 V	30 VA	2' X 2' LED RECESSED FROSTED LENS	CEILING, RECESSED
G22B	E	LED	4000 K	3580 lm	120 V	30 VA	2' X 2' LED RECESSED FROSTED LENS	CEILING, RECESSED
G22C		LED	4000 K	2484 lm	120 V	20 VA	2' X 2' LED RECESSED LUMINAIRE	CEILING, RECESSED
G22C	E	LED	4000 K	2484 lm	120 V	20 VA	2' X 2' LED RECESSED LUMINAIRE	CEILING, RECESSED
G24A		LED	4000 K	4850 lm	120 V	40 VA	2' X 4' LED RECESSED TROFFER LUMINAIRE	CEILING, RECESSED
G24A	E	LED	4000 K	4850 lm	120 V	40 VA	2' X 4' LED RECESSED VOLUMENTRIC TROFFER LUMINAIRE	CEILING, RECESSED
G24B		LED	4000 K	5090 lm	120 V	40 VA	2' X4' LED RECESSED FROSTED PMMA LENS	CEILING, RECESSED
G24C		LED	4000 K	4850 lm	120 V	40 VA	2' X4' LED RECESSED WET LOCATION TROFFER, DIMMABLE	CEILING, RECESSED
G24C	E	LED	4000 K	4850 lm	120 V	40 VA	2' X4' LED RECESSED WET LOCATION TROFFER, DIMMABLE	CEILING, RECESSED
G24D		LED	4000 K	4657 lm	120 V	33 VA	2' X 4' LED RECESSED GRID LED SURGICAL SUITE, DIMMABLE	CEILING, RECESSED
G24D	E	LED	4000 K	4657 lm	120 V	33 VA	2' X 4' LED RECESSED GRID LED SURGICAL SUITE, DIMMABLE	CEILING, RECESSED
H2		LED	4000 K	2548 lm	120 V	18 VA	2' LED GASKET ENCLOSURE VAPORTITE WEATHERPROOF LENSES	SURFACE MOUNTED
H2	E	LED	4000 K	2548 lm	120 V	18 VA	2' LED GASKET ENCLOSURE VAPORTITE WEATHERPROOF LENSES	SURFACE MOUNTED
H4		LED	4000 K	5097 lm	120 V	36 VA	4' LED GASKET ENCLOSURE VAPORTITE WEATHERPROOF LENSES	SURFACE MOUNTED
H4	E	LED	4000 K	5097 lm	120 V	36 VA	4' LED GASKET ENCLOSURE VAPORTITE WEATHERPROOF LENSES	SURFACE MOUNTED
P2		LED	4000 K	2548 lm	120 V	18 VA	2' LED GASKET ENCLOSURE VAPORTITE WEATHERPROOF LENSES	CEILING, SUSPENDED
P2	E	LED	4000 K	2548 lm	120 V	18 VA	2' LED GASKET ENCLOSURE VAPORTITE WEATHERPROOF LENSES	CEILING, SUSPENDED
P4		LED	4000 K	5335 lm	120 V	40 VA	4' LED GENERAL LIGHTING LINEAR CURVE LUMINAIRE	CEILING, SUSPENDED
P4	E	LED	4000 K	5335 lm	120 V	40 VA	4' LED GENERAL LIGHTING LINEAR CURVE LUMINAIRE	CEILING, SUSPENDED
S1		LED	4500 K	40000 lm	120 V	120 VA	SINGLE DOME LIGHT, CEILING MOUNT	CEILING, SURFACE
S2		LED	4500 K	100000 lm	120 V	240 VA	DUAL DOME LIGHT, CEILING MOUNT	CEILING, SURFACE
X		LED	4000 K	0 lm	120 V	5 VA	X-RAY IN USE SIGN	SURFACE, WALL

EXTERIOR LIGHT FIXTURE SCHEDULE

FIXTURE		LAMP INFORMATION		FIXTURE INFORMATION				
TYPE	MODIFIER	TYPE	COLOR TEMP	FIXTURE LUMENS	VOLTAGE	LOAD	DESCRIPTION	MOUNTING
OB3		LED	4000 K	1426 lm	120 V	14 VA	EXTERIOR TRAPEZOIDALSURFACE MOUNTED FIXTURE, TYPE III OPTIC DISTRIBUTION	WALL, SURFACE
OB3	E	LED	4000 K	1426 lm	120 V	14 VA	EXTERIOR TRAPEZOIDALSURFACE MOUNTED FIXTURE, TYPE III OPTIC DISTRIBUTION	WALL, SURFACE
OB4		LED	4000 K	1543 lm	120 V	14 VA	EXTERIOR TRAPEZOIDALSURFACE MOUNTED FIXTURE, TYPE IV OPTIC DISTRIBUTION	WALL, SURFACE
OB4	E	LED	4000 K	1543 lm	120 V	14 VA	EXTERIOR TRAPEZOIDALSURFACE MOUNTED FIXTURE, TYPE IV OPTIC DISTRIBUTION	WALL, SURFACE
OC		LED	4000 K	1200 lm	120 V	16 VA	EXTERIOR 6" ARCHITECTURAL HIGH LUMEN (LED DOWNLIGHT)	CEILING, RECESSED
OC	E	LED	4000 K	1200 lm	120 V	16 VA	EXTERIOR 6" ARCHITECTURAL HIGH LUMEN (LED DOWNLIGHT)	CEILING, RECESSED

GENERAL NOTES

1. REFER TO DRAWING E-001 AND E-002 FOR LEGEND AND ADDITIONAL GENERAL NOTES.
2. SUBMIT TWO POINT BY POINT LIGHTING FOOTCANDLE CALCULATION AS PART OF SHOP DRAWING SUBMITTAL: ONE FOR ALL LIGHTING AND ONE FOR EGRESS LIGHTING. LIGHTING CALCULATION MUST BE SUBMITTED TO CONTRACTING OFFICER AND ENGINEER PRIOR TO FIXTURE APPROVAL.
3. FIXTURES WITH SUFFIX DESIGNATION "E" INDICATES EMERGENCY LIGHT FIXTURES. PROVIDE INTEGRAL EMERGENCY BATTERY PACK. PROVIDE LED INDICATOR AND TEST BUTTON FOR ALL FIXTURES PROVIDED WITH EMERGENCY BATTERY PACK.

NGUYEN PEREZ LICENSE No. 72149 STATE OF FLORIDA PROFESSIONAL ENGINEER

1/21/2026

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:

DESIGN BY: H. DAS
DRAWN BY: H. DAS
CHECKED BY: C. KLOS
SUBMITTED BY: N. PEREZ
SIZE: ANSI D
CATEGORY CODE: 141-001-01
FILE NAME: 189618 E Central

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OLIVER STREET AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY'25, PN 69262

LIGHTING FIXTURE SCHEDULE

SHEET ID
EL601

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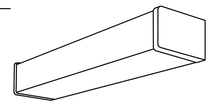
TYPE: H2, H4

FEATURES

MOUNTING: SURFACE MOUNTED



GENERAL DESCRIPTION

2' / 4' LIGHT FIXTURE

E1 LIGHTING PLATE STRIP SURFACE MOUNTED

SCALE:NTS

TYPE: EC,EW

FEATURES

MOUNTING: UNIVERSAL

GENERAL DESCRIPTION

EXIT LIGHT FIXTURE

E4 LIGHTING PLATE EXIT

SCALE:NTS

TYPE: S1

FEATURES

MOUNTING: CEILING MOUNTED

GENERAL DESCRIPTION

SINGLE DOME LIGHT

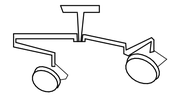
F7 LIGHTING PLATE EXAM LIGHT

SCALE:NTS

TYPE: S2

FEATURES

MOUNTING: CEILING MOUNTED



GENERAL DESCRIPTION

DUAL DOME LIGHT

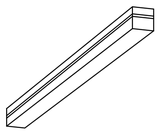
E7 LIGHTING PLATE SURGICAL LIGHT

SCALE: 12" = 1'-0"

TYPE: P2, P4

FEATURES

MOUNTING: SUSPENDED



GENERAL DESCRIPTION

2' / 4' LIGHT FIXTURE (SEE FIXTURE SCHEDULE)

C1 LIGHTING PLATE LED STRIP

SCALE:NTS

TYPE: X

FEATURES

MOUNTING: UNIVERSAL

GENERAL DESCRIPTION

X-RAY FIXTURE

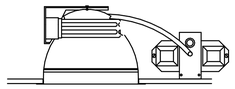
C4 LIGHTING PLATE X-RAY IN USE

SCALE:NTS

TYPE: OC

FEATURES

MOUNTING: RECESSED



GENERAL DESCRIPTION

6" DOWNLIGHT LIGHT FIXTURE

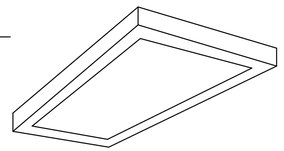
C7 LIGHTING PLATE EXTERIOR RECESSED CAN

SCALE:NTS

TYPE: G24A, G24B, G24C, G24D

FEATURES

MOUNTING: SURFACE



GENERAL DESCRIPTION

2'X4' LIGHT FIXTURE

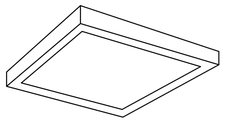
A1 LIGHTING PLATE RECESSED 2X4

SCALE:NTS

TYPE: G22A, G22B, G22C

FEATURES

MOUNTING: RECESSED



GENERAL DESCRIPTION

2'X2' LIGHT FIXTURE

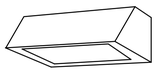
A4 LIGHTING PLATE RECESSED 2X2

SCALE:NTS

TYPE: OB3,OB4

FEATURES

MOUNTING: WALL MOUNTED



GENERAL DESCRIPTION

EXTERIOR WALL FIXTURE

A7 LIGHTING PLATE EXTERIOR WALL PACK

SCALE:NTS

NGUYEN PEREZ LICENSE No. 72149 STATE OF FLORIDA PROFESSIONAL ENGINEER

1/21/2026

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-3001-401
FILE NAME: 139618_E_Central

DESIGN BY: H. DAS
DRAWN BY: H. DAS
CHECKED BY: C. KLOS
SUPERVISED BY: J. PEREZ
SIZE: ANSI D

U.S. ARMY CORPS OF ENGINEERS
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100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

LIGHTING FIXTURE PLATE DETAILS

SHEET ID

EL602

READY TO ADVERTISE (RTA)

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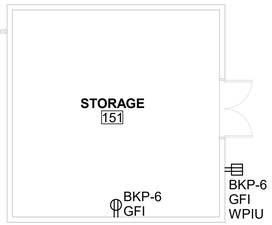
GENERAL NOTES

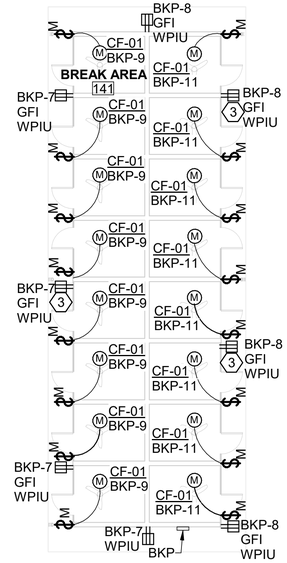
1. SEE SHEET E-001, E-002, AND E-003 FOR GENERAL SHEET NOTES, LEGEND, AND ABBREVIATIONS.
2. COORDINATE ELECTRICAL CONNECTIONS WITH EQUIPMENT BEFORE ROUGH IN.
3. REFER TO SHEET EL501 FOR ROOMS INDICATED TO HAVE SWITCHED RECEPTACLES AND RECEPTACLE CONTROLS AND CONTROL METHODS.
4. DO NOT MOUNT ELECTRICAL FIXTURES ON MESH FENCE. ALL ELECTRICAL FIXTURES MUST BE MOUNTED ON A SOLID SURFACE.

⟨#⟩ SHEET KEYNOTES

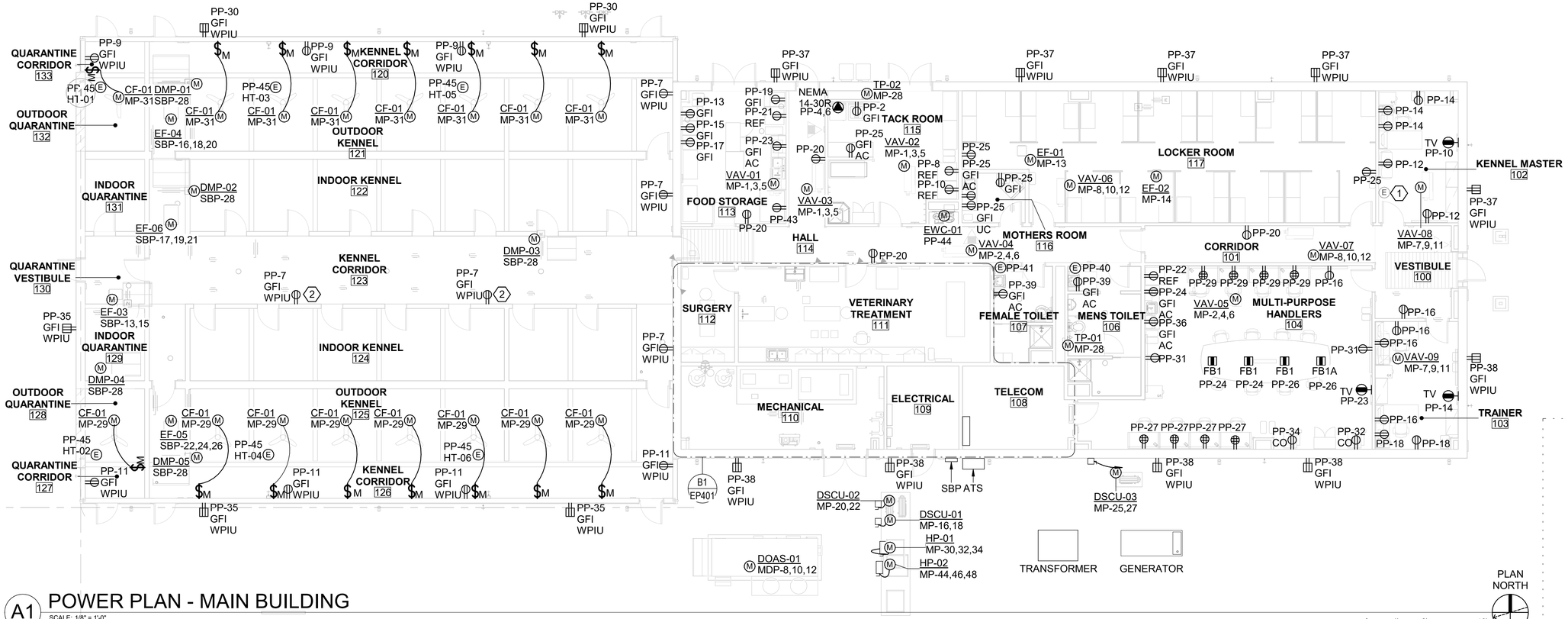
1. COORDINATE EXACT LOCATION AND POWER REQUIREMENT OF GENERATOR REMOTE ANNUNCIATOR PANEL WITH MANUFACTURER. PROVIDE 2" CONDUIT WITH CONTROL CABLING TO ASSOCIATED GENERATOR CONTROLS, FINAL CONNECTIONS BY CONTRACTOR. COORDINATE CONTROL CABLING TYPE WITH MANUFACTURER.
2. CONDUIT SUPPLYING RECEPTACLE MUST BE ROUTED UNDER SLAB.
3. MOUNT RECEPTALCE ON CMU WALL. CONDUIT SUPPLYING RECEPTACLE MUST BE ROUTED UNDER SLAB.
4. PROVIDE CIRCUIT BREAKER WITH GFPE PER NEC 427.22.



D2 POWER PLAN - STORAGE
SCALE: 1/8" = 1'-0"



D5 POWER PLAN - BREAK AREA
SCALE: 3/32" = 1'-0"



A1 POWER PLAN - MAIN BUILDING
SCALE: 1/8" = 1'-0"

PLAN NORTH

0 4' 8' 16'

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US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-401
DESIGN BY: H. DAS
DRAWN BY: H. DAS
CHECKED BY: C. KLOS
SUBMITTED BY: S. PEREZ
SIZE: ANSI D
FILE NAME: 189618_E_Central

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
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BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

POWER PLAN

SHEET ID
EP101

NGUYEN PEREZ LICENSE No. 72149 STATE OF FLORIDA PROFESSIONAL ENGINEER

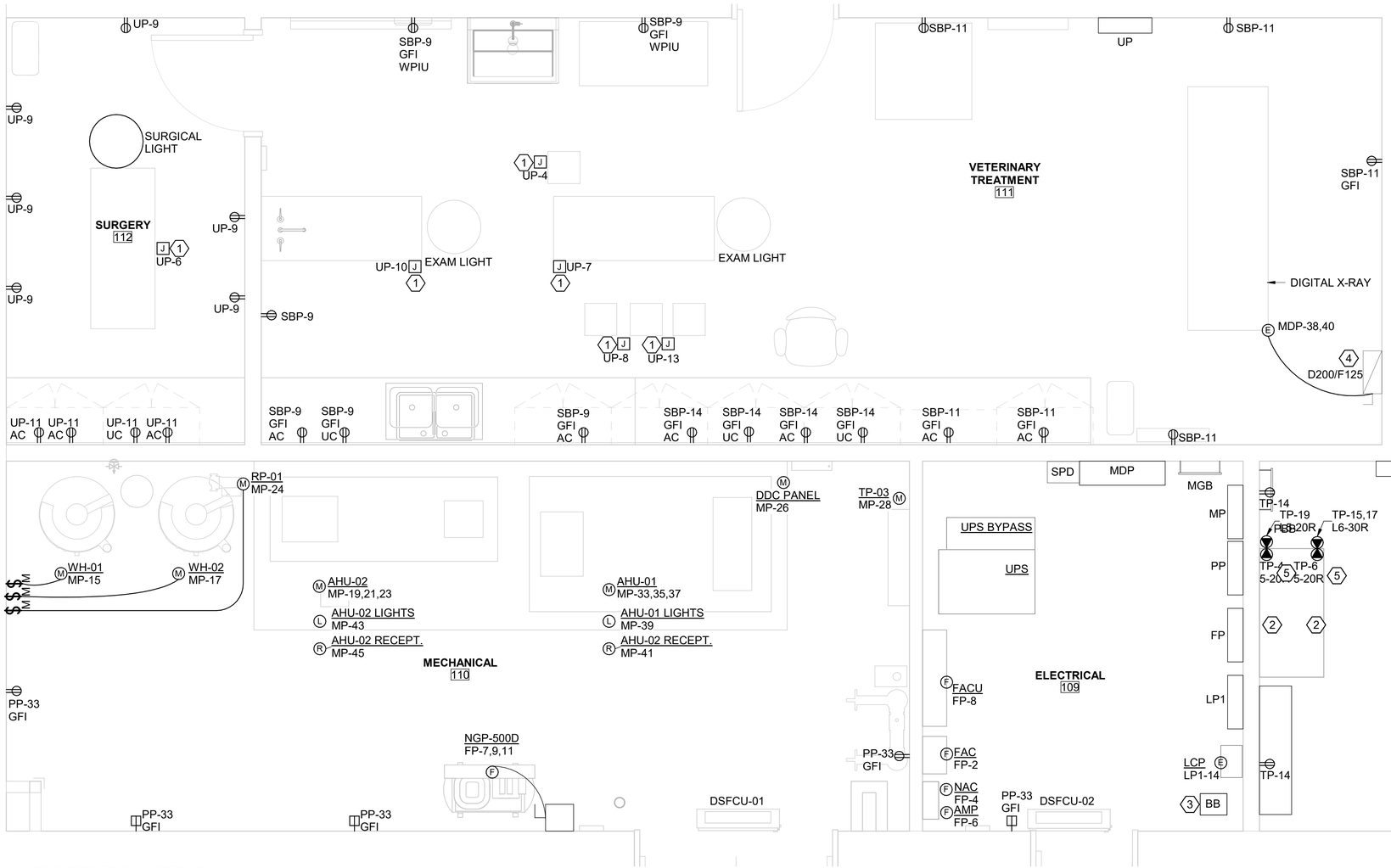
READY TO ADVERTISE (RTA)

GENERAL NOTES

1. SEE SHEET E-001, E-002, AND E-003 FOR GENERAL SHEET NOTES, LEGEND, AND ABBREVIATIONS.
2. COORDINATE ELECTRICAL CONNECTIONS WITH EQUIPMENT BEFORE ROUGH IN.

(#) SHEET KEYNOTES

1. PROVIDE DOUBLE GANG FLOORBOX WITH DUPLEX NEMA 5-20R RECEPTACLE.
2. MOUNT (2) NEMA 5-20R RECEPTACLES INSIDE THE CABINET NEAR THE FLOOR. THE RECEPTACLES WILL BE PLACED ON THE OUTER WALL OF THE CABINET.
3. 208-240V BUCK BOOST TRANSFORMER FOR X-RAY MACHINE. SEE PANELBOARD SCHEDULE FOR FEEDER INFORMATION AND SINGLE LINE DIAGRAM.
4. PROVIDE WALL MOUNTED 2 POLE DISCONNECT FOR THE X-RAY.
5. MOUNT SPECIAL RECEPTACLES TO CABLE TRAYS ABOVE RACKS/CABINETS



B1 ENLARGED POWER PLAN

SCALE: 1/2" = 1'-0"

PLAN NORTH

0 1' 2' 4'

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-401
FILE NAME: 189618_E_Central

DESIGN BY: H. DAS
DRAWN BY: H. DAS
CHECKED BY: C. KLOS
SUBMITTED BY: J. PEREZ
SIZE: ANSI D

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

ENLARGED ELECTRICAL PLANS

NGUYEN PEREZ LICENSE No. 72149 STATE OF FLORIDA PROFESSIONAL ENGINEER

1/21/2026

SHEET ID
EP401

READY TO ADVERTISE (RTA)

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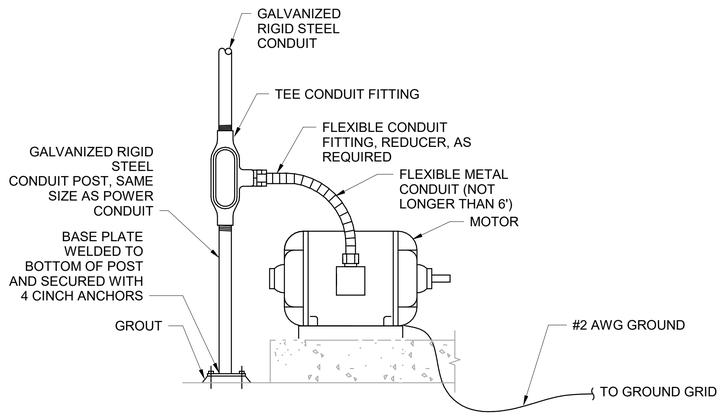
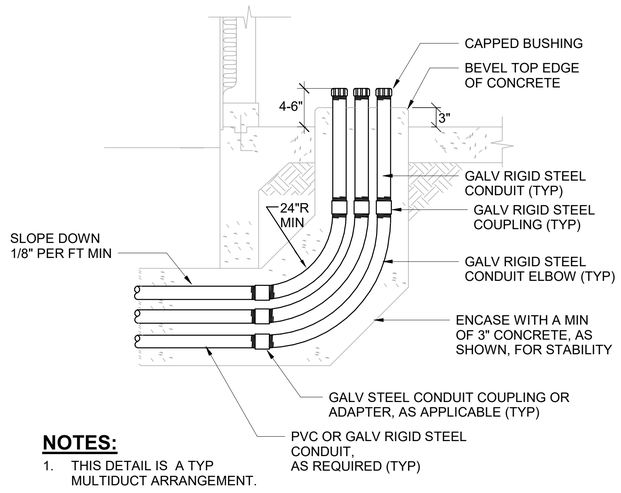


D1 TYPICAL OVERHEAD CONDUIT SERVICE FOR 208/120V MOTORS

SCALE:NTS

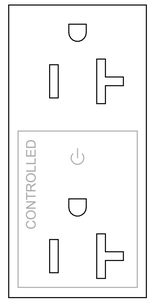


NOTES:

1. THIS DETAIL IS A TYP MULTIDUCT ARRANGEMENT.

D5 TYPICAL STUBBED DUCTBANK RISER

SCALE:NTS

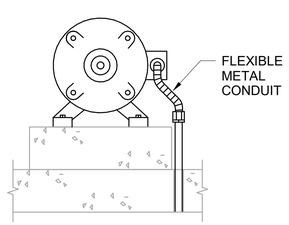


NOTES:

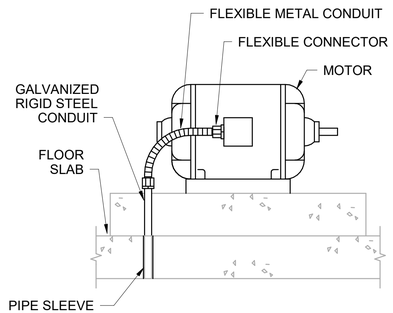
1. HALF-CONTROLLED PLUG LOAD RECEPTACLE AS SHOWN ABOVE, OR APPROVED EQUIVALENT, MUST BE PROVIDED FOR ALL HALF-CONTROLLED RECEPTACLES.
2. THIS RECEPTACLE MUST BE USED IN ALL SPACES MARKED "OC2-R" PER THE LIGHTING CONTROL MATRIX. REFER TO "OC2-R" CONTROL DESCRIPTION FOR A LIST OF ALL RECEPTACLES EXEMPTED FROM AUTOMATIC CONTROLS REQUIREMENTS.
3. SEE A1/EL503 FOR CONTROL WIRING DIAGRAM.

D8 HALF-CONTROLLED PLUG LOAD RECEPTACLE

SCALE:NTS



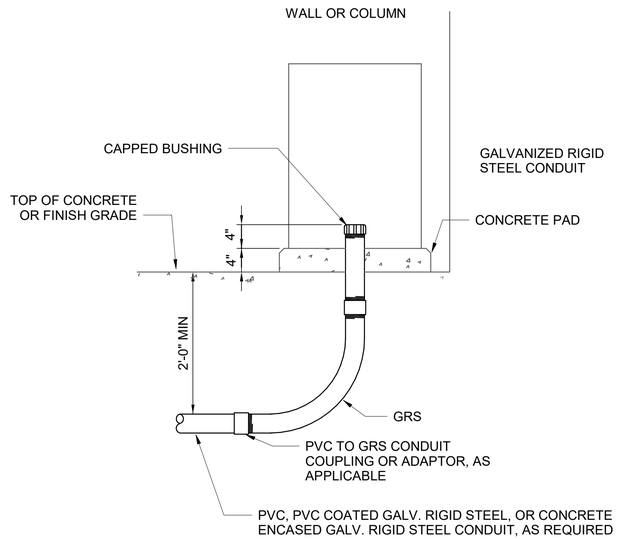
SIDE VIEW



FRONT VIEW

A1 TYPICAL FLOOR-FED CONDUIT SERVICE FOR MOTORS

SCALE:NTS



A5 TYPICAL STUBBED CONDUIT RISER INTO EQUIPMENT

SCALE:NTS

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

DESIGN BY: H. DAS	ISSUE DATE: JANUARY, 2026
DRAWN BY: H. DAS	SOLICITATION NO.: W912HN-26-B-A003
CHECKED BY: C. KLOS	CONTRACT NO.:
SUBMITTED BY: N. PEREZ	CATEGORY CODE: 141-001-401
SIZE: ANSI D	FILE NAME: 189618 E Central

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

POWER DETAILS

NGUYEN PEREZ LICENSE No. 72149 STATE OF FLORIDA PROFESSIONAL ENGINEER

1/21/2026

SHEET ID

EP501

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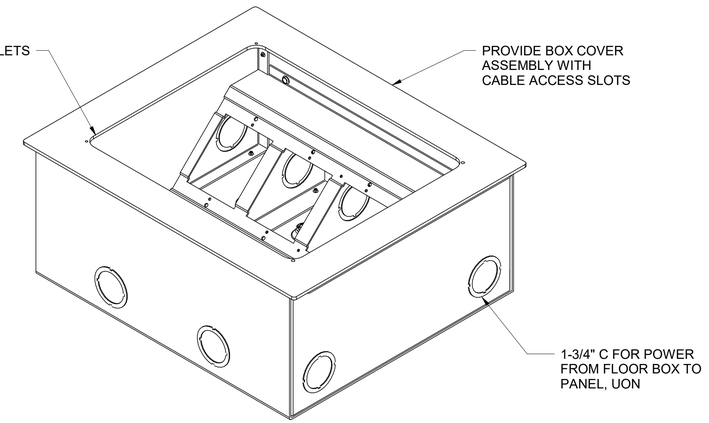

POWER FLOORBOX

NOTES:

1. ROUTE ALL CONDUITS TO/FROM FLOOR BOX AT MINIMUM OF 24" BELOW SLAB AVOID ROUTING CONDUITS HORIZONTALLY THRU SLAB. COORDINATE WITH STRUCTURAL DRAWINGS FOR SLAB DEPTHS.
2. COMMUNICATION / POWER FLOOR BOX WILL BE WATER TIGHT.

A1 TYPICAL COMBINATION COMM / POWER FLOOR BOX
SCALE:NTS

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MARK	DESCRIPTION	DATE

DESIGN BY: H. DAS	ISSUE DATE: JANUARY, 2026
DRAWN BY: H. DAS	SOLICITATION NO.: W912HN-26-B-A003
CHECKED BY: C. KLOS	CONTRACT NO.:
SUBMITTED BY: N. PEREZ	CATEGORY CODE: 141-001-401
SIZE: ANSI D	FILE NAME: 18968 18_E_Central

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OLIVER STREET, SUITE 444
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER army AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY'25, PN 69262

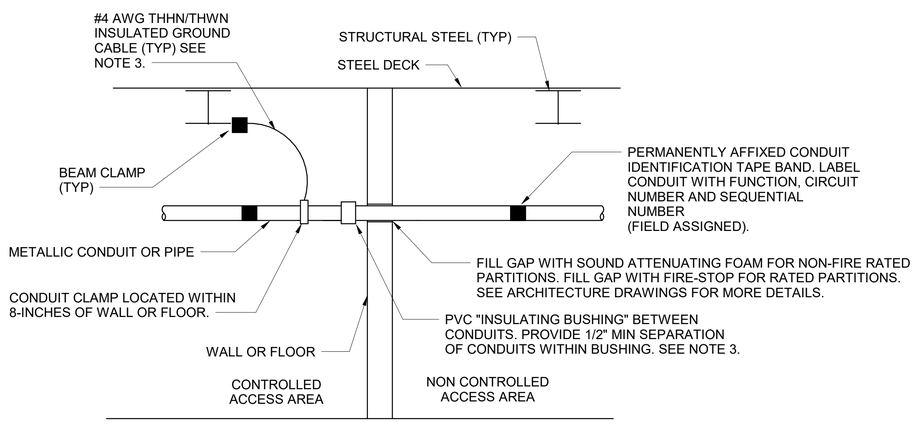
POWER DETAILS

NGUYEN PEREZ LICENSE No. 72149 STATE OF FLORIDA PROFESSIONAL ENGINEER

1/21/2026

SHEET ID
EP502

READY TO ADVERTISE (RTA)



NOTES:

1. CONTROLLED ACCESS AREA ACCREDITATION REQUIRES THAT PENETRATIONS SUCH AS THE DETAIL SHOWN BE ACCESSIBLE FOR INSPECTION BY PROGRAM SECURITY. COORDINATE WITH CONTRACTING OFFICER DURING INSTALLATION AND BONDING OF CONDUITS CROSSING BETWEEN SECURED AREAS.
2. CONTRACTOR SHALL KEEP A LOG OF ALL CONDUIT PENETRATIONS INDICATING FIELD ASSIGNED CONDUIT NUMBER, LOCATION, PURPOSE, AND INDICATION THAT THE INSTALLATION HAS BEEN COORDINATED WITH CONTRACTING OFFICER AND PROGRAM SECURITY.
3. CONTRACTOR SHALL PROVIDE EITHER PVC INSULATING BUSHING OR GROUNDING CONNECTION FOR ALL PENETRATIONS INTO CONTROLLED ACCESS AREA SPACES FOR PIPE AND CONDUIT ISOLATION.

TYPICAL OF PIPE AND CONDUIT GROUNDING FOR SECURE SPACES

A1

SCALE:NTS

NGUYEN PEREZ LICENSE No. 72149 STATE OF FLORIDA PROFESSIONAL ENGINEER

1/21/2026

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

DESIGN BY: H. DAS	ISSUE DATE: JANUARY, 2026
DRAWN BY: H. DAS	SOLICITATION NO.: W912HN-26-B-A003
CHECKED BY: C. KLOS	CONTRACT NO.:
SUBMITTED BY: N. PEREZ	CATEGORY CODE: 141-001-401
SIZE: ANSI D	FILE NAME: 189618_E_Central

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

SECURE DETAILS

SHEET ID

EP510

READY TO ADVERTISE (RTA)

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PANELBOARD: PP

LOCATION: ELECTRICAL 109
SUPPLY FROM: MDP
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

VOLTAGE: 208Y/120V
PHASE: 3
WIRES: 4

A.I.C. RATING: 22000
MAINS TYPE: MCB
MAINS RATING: 175 A
MCB RATING: 175 A

NOTES:
1. PROVIDE BREAKER AND SIZE WIRE FOR SPD PER MANUFACTURER'S RECOMMENDATIONS.
2.PROVIDE LOCK-ON CAPABLE BREAKER

#	BKR	P	LOAD SERVED	WIRE / GROUND / CONDUIT	A		B		C		WIRE / GROUND / CONDUIT	LOAD SERVED	P	BKR	#
1	20	3	SPD (SEE NOTE 1)	SEE NOTE 1	0	1800					(2) #12, (1) #12, 3/4" C	WASHING MACHINE (115)	1	20	2
3	--	--	--	--			0	2500			(2) #10, (1) #10, 3/4" C	DRYER (115)	2	30	4
5	--	--	--	--					0	2500	--	--	--	--	6
7	20	1	KENNEL RECEPTACLES (120,123)	(2) #12, (1) #12, 3/4" C	900	1200					(2) #12, (1) #12, 3/4" C	REFRIDGERATOR (115)	1	20	8
9	20	1	KENNEL RECEPTACLE (120)	(2) #12, (1) #12, 3/4" C			540	1200			(2) #12, (1) #12, 3/4" C	REFRIDGERATOR (115)	1	20	10
11	20	1	KENNEL RECEPTACLES(126)	(2) #12, (1) #12, 3/4" C					720	860	(2) #12, (1) #12, 3/4" C	KENNEL MASTER RECEPTACLES (102)	1	20	12
13	20	1	ICEMAKER (113)	(2) #12, (1) #12, 3/4" C	1200	540					(2) #12, (1) #12, 3/4" C	RECEPTACLE KENNEL MASTER 102	1	20	14
15	20	1	ICEMAKER (113)	(2) #12, (1) #12, 3/4" C			1200	900			(2) #12, (1) #12, 3/4" C	RECEPTACLES (100,103)	1	20	16
17	20	1	ICEMAKER (113)	(2) #12, (1) #12, 3/4" C					1200	860	(2) #12, (1) #12, 3/4" C	RECEPTACLES (103)	1	20	18
19	20	1	ICEMAKER (113)	(2) #12, (1) #12, 3/4" C	1200	720					(2) #12, (1) #12, 3/4" C	RECEPTACLES (101,113,114)	1	20	20
21	20	1	REFRIDGERATOR (113) (GFCI)	(2) #12, (1) #12, 3/4" C			1200	1200			(2) #12, (1) #12, 3/4" C	REFRIDGERATOR (104) (GFCI)	1	20	22
23	20	1	MICROWAVE (113)	(2) #12, (1) #12, 3/4" C					1500	1500	(2) #12, (1) #12, 3/4" C	COFFE MAKER (104)	1	20	24
25	20	1	RECEPTACLES (115,116,117)	(2) #12, (1) #12, 3/4" C	1080	1000					(2) #12, (1) #12, 3/4" C	FLOOR BOXES (104)	1	20	26
27	20	1	RECEPTALCES (104)	(2) #12, (1) #12, 3/4" C			1440	1000			(2) #12, (1) #12, 3/4" C	FLOOR BOXES (104)	1	20	28
29	20	1	RECEPTACLES (104)	(2) #12, (1) #12, 3/4" C					1440	360	(2) #12, (1) #12, 3/4" C	RECEPTACLE EXTERIOR N/A	1	20	30
31	20	1	RECEPTACLES (104)	(2) #12, (1) #12, 3/4" C	860	1500					(2) #12, (1) #12, 3/4" C	COPIER (104)	1	20	32
33	20	1	RECEPTACLES (109,110)	(2) #12, (1) #12, 3/4" C			630	1500			(2) #12, (1) #12, 3/4" C	COPIER (104)	1	20	34
35	20	1	RECEPTACLE EXTERIOR N/A	(2) #12, (1) #12, 3/4" C					540	1500	(2) #12, (1) #12, 3/4" C	MICROWAVE (104)	1	20	36
37	20	1	RECEPTACLE EXTERIOR N/A	(2) #12, (1) #12, 3/4" C	900	900					(2) #12, (1) #12, 3/4" C	RECEPTACLE EXTERIOR N/A	1	20	38
39	20	1	RECEPTACLE (106, 107)	(2) #12, (1) #12, 3/4" C			360	1464			(2) #12, (1) #12, 3/4" C	HAND DRYER (106)	1	20	40
41	20	1	HAND DRYER (107)	(2) #12, (1) #12, 3/4" C					1464	4800	(2) #6, (1) #10, 2" C	GENERATOR CONTROL PANEL	1	50	42
43	20	1	DISHWASHER (113)	(2) #12, (1) #12, 3/4" C	1200	390					(2) #12, (1) #12, 3/4" C	WATER FOUNTAIN (114)	1	20	44
45	20	1	HEAT TRACE (120,121,125,126) (NOTE 2)	(2) #12, (1) #12, 3/4" C			360	0				SPARE	1	20	46
47	20	1	SPARE						0	0		SPARE	1	20	48
49	20	1	SPARE		0	0						SPARE	1	20	50
51	20	1	SPARE				0	0				SPARE	1	20	52
53	20	1	SPARE						0	0		SPARE	1	20	54
				TOTAL LOAD:	15390 VA		15494 VA		19244 VA						

PANEL TOTALS	
TOTAL CONNECTED LOAD:	50128 VA
TOTAL ESTIMATED DEMAND LOAD:	35017 VA
TOTAL CONNECTED CURRENT:	139 A
TOTAL ESTIMATED DEMAND CURRENT:	97 A
DEMAND WITH EXPANSION:	117 A

PANELBOARD: MP

LOCATION: ELECTRICAL 109
SUPPLY FROM: MDP
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

VOLTAGE: 208Y/120V
PHASE: 3
WIRES: 4

A.I.C. RATING: 22000
MAINS TYPE: MCB
MAINS RATING: 225 A
MCB RATING: 225 A

NOTES:

#	BKR	P	LOAD SERVED	WIRE / GROUND / CONDUIT	A		B		C		WIRE / GROUND / CONDUIT	LOAD SERVED	P	BKR	#
1	20	3	VAV-01,02,03 (113,114,115)	(3) #12, (1) #12, 3/4" C	1667	1335					(3) #12, (1) #12, 3/4" C	VAV-04,05 (104,114)	3	20	2
3	--	--	--	--			1667	1335			--	--	--	--	4
5	--	--	--	--					1667	1335	--	--	--	--	6
7	20	3	VAV-08,09 (102,103)	(3) #12, (1) #12, 3/4" C	1333	1167					(3) #12, (1) #12, 3/4" C	VAV-06,07 (101,117)	3	20	8
9	--	--	--	--			1333	1167			--	--	--	--	10
11	--	--	--	--					1333	1167	--	--	--	--	12
13	15	1	EF-01 (117)	(2) #12, (1) #12, 3/4" C	276	276					(2) #12, (1) #12, 3/4" C	EF-02 (117)	1	15	14
15	20	1	WH-01 (110)	(2) #12, (1) #12, 3/4" C			600	916			(2) #10, (1) #10, 3/4" C	DSCU-01 (EXTERIOR)	2	30	16
17	20	1	WH-02 (110)	(2) #12, (1) #12, 3/4" C					600	916	--	--	--	--	18
19	15	3	AHU-02 (110)	(3) #12, (1) #12, 3/4" C	507	916					(2) #10, (1) #10, 3/4" C	DSCU-02 (EXTERIOR)	2	30	20
21	--	--	--	--			507	916			--	--	--	--	22
23	--	--	--	--					507	528	(2) #12, (1) #12, 3/4" C	RP-01 (110)	1	20	24
25	30	2	DSCU-03 (EXTERIOR)	(2) #10, (1) #10, 3/4" C	1581	500					(2) #12, (1) #12, 3/4" C	DDC PANEL	1	20	26
27	--	--	--	--			1581	120			(2) #12, (1) #12, 3/4" C	TP - 01,02,03 (107,110,115)	1	20	28
29	20	1	CEILING FANS (125, 128)	(2) #12, (1) #12, 3/4" C					672	4517	(3) #4, (1) #8, 1-1/2" C	HP-01 (EXTERIOR)	3	60	30
31	20	1	CEILING FANS (121,132)	(2) #12, (1) #12, 3/4" C	672	4517					--	--	--	--	32
33	25	3	AHU-01 (110)	(3) #8, (1) #10, 1" C			2000	4517			--	--	--	--	34
35	--	--	--	--					2000	0		SPARE	1	20	36
37	--	--	--	--	2000	0						SPARE	1	20	38
39	20	1	AHU-01 LIGHTS				1520	0				SPARE	1	20	40
41	20	1	AHU-01 RECEPT.						1520	1920	(2) #2, (1) #1, 1-1/2" C	LIFT STATION	1	30	42
43	20	1	AHU-02 LIGHTS		1520	4517					(3) #4, (1) #8, 1-1/2" C	HP-02 (EXTERIOR)	3	60	44
45	20	1	AHU-02 RECEPT.				1520	4517			--	--	--	--	46
47	20	1	SPARE						0	4517	--	--	--	--	48
49	20	1	SPARE		0	0						SPARE	1	20	50
51	20	1	SPARE				0	0				SPARE	1	20	52
53	20	1	SPARE						0	0		SPARE	1	20	54
55	20	1	SPARE		0	0						SPARE	1	20	56
57	20	1	SPARE				0	0				SPARE	1	20	58
59	20	1	SPARE						0	0		SPARE	1	20	60
61	20	1	SPARE		0	0						SPARE	1	20	62
				TOTAL LOAD:	22782 VA		24214 VA		23198 VA						

PANEL TOTALS	
TOTAL CONNECTED LOAD:	70193 VA
TOTAL ESTIMATED DEMAND LOAD:	56538 VA
TOTAL CONNECTED CURRENT:	195 A
TOTAL ESTIMATED DEMAND CURRENT:	157 A
DEMAND WITH EXPANSION:	188 A

PANELBOARD: TP

LOCATION: TELECOM 108
SUPPLY FROM: MDP
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

VOLTAGE: 208Y/120V
PHASE: 3
WIRES: 4

A.I.C. RATING: 10000
MAINS TYPE: MCB
MAINS RATING: 100 A
MCB RATING: 100 A

NOTES:
1. PROVIDE BREAKER AND SIZE WIRE FOR SPD PER MANUFACTURER'S RECOMMENDATIONS.

#	BKR	P	LOAD SERVED	WIRE / GROUND / CONDUIT	A		B		C		WIRE / GROUND / CONDUIT	LOAD SERVED	P	BKR	#
1	20	3	SPD (SEE NOTE 1)	SEE NOTE 1	0	360					(2) #12, (1) #12, 3/4" C	RACK FLOOR BOX (108)	1	20	2
3	--	--	--	--			0	1920			(2) #12, (1) #12, 3/4" C	CABINET (108)	1	20	4
5	--	--	--	--					0	1920	(2) #12, (1) #12, 3/4" C	CABINET (108)	1	20	6
7	20	1	RACK FLOOR BOX (108)	(2) #12, (1) #12, 3/4" C	360	360					(2) #12, (1) #12, 3/4" C	RACK FLOOR BOX (108)	1	20	8
9	20	1	SPARE				0	0				SPARE	1	20	10
11	20	1	SPARE						0	0		SPARE	1	20	12
13	20	1	RACK FLOORBOX (108)	(2) #12, (1) #12, 3/4" C	360	1260					(2) #12, (1) #12, 3/4" C	RECEPTACLES (108)	1	20	14
15	20	2	SECURE CABINET RECPT (108)	(2) #12, (1) #12, 3/4" C			2080	1920			(2) #12, (1) #12, 3/4" C	NIPR RACK RECPT (108)	1	20	16
17	--	--	--	--					2080	2080	(2) #12, (1) #12, 3/4" C	NIPR RACK RECPT (108)	2	20	18
19	20	1	SECURE CABINET RECPT (108)	(2) #12, (1) #12, 3/4" C	1920	2080					--	--	--	--	20
21	20	1	NEC RACK RECPT (108)	(2) #12, (1) #12, 3/4" C			1920	0				SPARE	1	20	22
23	30	2	NEC RACK RECPT (108)	(2) #12, (1) #12, 3/4" C					2080	0		SPARE	1	20	24
25	--	--	--	--	2080	0						SPARE	1	20	26
27	20	1	SPARE				0	0				SPARE	1	20	28
29	20	1	SPARE						0	0		SPARE	1	20	30
31	20	1	SPARE		0	0						SPARE	1	20	32
33	20	1	SPARE				0	--				SPACE	1	--	34
35	20	1	SPARE						0	--		SPACE	1	--	36
37	20	1	SPARE		0	--						SPACE	1	--	38
39	--	1	SPACE				--	--				SPACE	1	--	40
41	--	1	SPACE						--	--		SPACE	1	--	42
				TOTAL LOAD:	8780 VA		7840 VA		8160 VA						

PANEL TOTALS	
TOTAL CONNECTED LOAD:	24780 VA
TOTAL ESTIMATED DEMAND LOAD:	17822 VA
TOTAL CONNECTED CURRENT:	69 A
TOTAL ESTIMATED DEMAND CURRENT:	49 A
DEMAND WITH EXPANSION:	59 A

PANELBOARD: LP1

LOCATION: ELECTRICAL 109
SUPPLY FROM: MDP
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

VOLTAGE: 208Y/120V
PHASE: 3
WIRES: 4

A.I.C. RATING: 22000
MAINS TYPE: MCB
MAINS RATING: 100 A
MCB RATING: 100 A

NOTES:
1. PROVIDE BREAKER AND SIZE WIRE FOR SPD PER MANUFACTURER'S RECOMMENDATIONS.

#	BKR	P	LOAD SERVED	WIRE / GROUND / CONDUIT	A		B		C		WIRE / GROUND / CONDUIT	LOAD SERVED	P	BKR	#
1	20	3	SPD (SEE NOTE 1)	SEE NOTE 1	0	66					(2) #12, (1) #12, 3/4" C	LIGHTING SURGERY(112)	1	20	2
3	--	--	--	--			0	240			(2) #12, (1) #12, 3/4" C	LIGHTING (108,109,110)	1	20	4
5	--	--	--	--					0	770	(2) #12, (1) #12, 3/4" C	LIGHTING LOCKER ROOM (117)	1	20	6
7	20	1	LIGHTING (106,107)	(2) #12, (1) #12, 3/4" C	100	377					(2) #12, (1) #12, 3/4" C	EXTERIOR BUILDING MOUNTED LIGHTS	1	20	8
9	20	1	LIGHTING (111)	(2) #12, (1) #12, 3/4" C			240	459			(2) #12, (1) #12, 3/4" C	LIGHTING (100,101,113,114,115)	1	20	10
11	20	1	LIGHTING (120-123,130-133)	(2) #12, (1) #12, 3/4" C					616	415	(2) #12, (1) #12, 3/4" C	LIGHTING (103,104)	1	20	12
13	20	1	LIGHTING (124,125,126,128,129)	(2) #12, (1) #12, 3/4" C	406	500					(2) #12, (1) #12, 3/4" C	LIGHTING CONTROL PANEL (109)	1	20	14
15	20	1	SPARE				0	0				SPARE	1	20	16
17	20	1	SPARE						0	0		SPARE	1	20	18
19	20	1	SPARE		0	0						SPARE	1	20	20
21	20	1	SPARE				0	0				SPARE	1	20	22
23	20	1	SPARE						0	0		SPARE	1	20	24
25	20	1	SPARE		0	0						SPARE	1	20	26
27	20	1	SPARE				0	--				SPACE	1	--	28
29	20	1	SPARE						0	--		SPACE	1	--	30
31	--	1	SPACE		--	--						SPACE	1	--	32
33	--	1	SPACE				--	--				SPACE	1	--	34
35	--	1	SPACE						--	--		SPACE	1	--	36
37	--	1	SPACE		--	--						SPACE	1	--	38
39	--	1	SPACE				--	--				SPACE	1	--	40
41	--	1	SPACE						--	--		SPACE	1	--	42
				TOTAL LOAD:	1449 VA		939 VA		1801 VA						

PANEL TOTALS	
TOTAL CONNECTED LOAD:	4189 VA
TOTAL ESTIMATED DEMAND LOAD:	4189 VA
TOTAL CONNECTED CURRENT:	12 A
TOTAL ESTIMATED DEMAND CURRENT:	12 A
DEMAND WITH EXPANSION:	14 A

NGUYEN PEREZ LICENSE No. 72149 STATE OF FLORIDA PROFESSIONAL ENGINEER

1/21/2026

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:

DESIGN BY: H. DAS
DRAWN BY: H. DAS
CHECKED BY: C. KLOS
SUBMITTED BY: N. PEREZ
SIZE: ANSI D
CATEGORY CODE: 141-001-01
FILE NAME: 189618_E_Central

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

PANELBOARD SCHEDULES

SHEET ID
EP601

READY TO ADVERTISE (RTA)

C:\Users\nperez\OneDrive - Burns & McDonnell\Documents\143139_E_Central_nperezDVC42.rvt
1/21/2026 10:49:06 AM

PANELBOARD: SBP

LOCATION: EXTERIOR N/A
SUPPLY FROM: MDP
MOUNTING: SURFACE
ENCLOSURE: NEMA 3R

VOLTAGE: 208Y/120V
PHASE: 3
WIRES: 4

A.I.C. RATING: 10000
MAINS TYPE: MCB
MAINS RATING: 100 A
MCB RATING: 100 A

NOTES:
1. PROVIDE BREAKER AND SIZE WIRE FOR SPD PER MANUFACTURER'S RECOMMENDATIONS.
2. PROVIDE LOCK-ON CAPABLE, RED CIRCUIT BREAKER. PROVIDE A LABEL WITH THE FOLLOWING INSCRIPTION, "FIRE PROTECTION/LIFE SAFETY EQUIPMENT."

#	BKR	P	LOAD SERVED	WIRE / GROUND / CONDUIT	A		B		C		WIRE / GROUND / CONDUIT	LOAD SERVED	P	BKR	#
1	20	3	SPD (SEE NOTE 1)	SEE NOTE 1	0	1320					SEE SINGLE LINE	UPS	3	50	2
3	--	--	--	--			0	1800			--	--	--	--	4
5	--	--	--	--					0	1200	--	--	--	--	6
7	20	1	EXAM LIGHTS (111)	(2) #12, (1) #12, 3/4" C	240	0					SEE SINGLE LINE	UPS BYPASS	3	40	8
9	20	1	RECEPTACLES (111)	(2) #12, (1) #12, 3/4" C			1080	0			--	--	--	--	10
11	20	1	RECEPTACLES (111)	(2) #12, (1) #12, 3/4" C					1080	0	--	--	--	--	12
13	15	2	EF-03 (130)	(2) #12, (1) #12, 3/4" C	156	720					(2) #12, (1) #12, 3/4" C	RECEPTACLES (111)	1	20	14
15	--	--	--	--			156	793			(3) #12, (1) #12, 3/4" C	EF-04 (121)	3	15	16
17	15	3	EF-06 (123)	(3) #12, (1) #12, 3/4" C					901	793	--	--	--	--	18
19	--	--	--	--	901	793					--	--	--	--	20
21	--	--	--	--			901	793			(3) #12, (1) #12, 3/4" C	EF-05 (125)	3	15	22
23	50	3	FP (109) (SEE NOTE 2)	SEE SINGLE LINE					928	793	--	--	--	--	24
25	--	--	--	--	696	793					--	--	--	--	26
27	--	--	--	--			874	13			(2) #12, (1) #12, 3/4" C	DMP-01,02,03,04,05...	1	20	28
29	20	1	SPARE						0	0		SPARE	1	20	30
31	20	1	SPARE		0	0						SPARE	1	20	32
33	--	1	SPACE				--	0				SPARE	1	20	34
35	--	1	SPACE						--	0		SPARE	1	20	36
37	--	1	SPACE		--	0						SPARE	1	20	38
39	--	1	SPACE				--	0				SPARE	1	20	40
41	--	1	SPACE						--	0		SPARE	1	20	42
				TOTAL LOAD:	5618 VA		6409 VA		5694 VA						

PANEL TOTALS	
TOTAL CONNECTED LOAD:	17720 VA
TOTAL ESTIMATED DEMAND LOAD:	15208 VA
TOTAL CONNECTED CURRENT:	49 A
TOTAL ESTIMATED DEMAND CURRENT:	42 A
DEMAND WITH EXPANSION:	51 A

PANELBOARD: BKP

LOCATION: BREAK AREA 141
SUPPLY FROM:
MOUNTING: SURFACE
ENCLOSURE: NEMA 3R

VOLTAGE: 208Y/120V
PHASE: 3
WIRES: 4

A.I.C. RATING: 10000
MAINS TYPE: MCB
MAINS RATING: 100 A
MCB RATING: 100 A

NOTES:
1. PROVIDE BREAKER AND SIZE WIRE FOR SPD PER MANUFACTURER'S RECOMMENDATIONS.

#	BKR	P	LOAD SERVED	WIRE / GROUND / CONDUIT	A		B		C		WIRE / GROUND / CONDUIT	LOAD SERVED	P	BKR	#
1	20	3	SPD (SEE NOTE 1)	SEE NOTE 1	0	80					(2) #12, (1) #12, 3/4" C	LIGHTING (151)	1	20	2
3	--	--	--	--			0	288			(2) #12, (1) #12, 3/4" C	LIGHTING (141)	1	20	4
5	--	--	--	--					0	360	(2) #12, (1) #12, 3/4" C	RECEPTACLES (151)	1	20	6
7	20	1	RECEPTACLE EXTERIOR (141)	(2) #12, (1) #12, 3/4" C	720	720					(2) #12, (1) #12, 3/4" C	RECEPTACLE EXTERIOR (141)	1	20	8
9	20	1	CEILING FANS (141)	(2) #12, (1) #12, 3/4" C			672	0				SPARE	1	20	10
11	20	1	CEILING FANS (141)	(2) #12, (1) #12, 3/4" C					672	0		SPARE	1	20	12
13	20	1	SPARE		0	0						SPARE	1	20	14
15	20	1	SPARE				0	0				SPARE	1	20	16
17	20	1	SPARE						0	0		SPARE	1	20	18
19	20	1	SPARE		0	0						SPARE	1	20	20
21	20	1	SPARE				0	0				SPARE	1	20	22
23	20	1	SPARE						0	0		SPARE	1	20	24
25	20	1	SPARE		0	0						SPARE	1	20	26
27	--	1	SPACE				--	--				SPACE	1	--	28
29	--	1	SPACE						--	--		SPACE	1	--	30
31	--	1	SPACE		--	--						SPACE	1	--	32
33	--	1	SPACE				--	--				SPACE	1	--	34
35	--	1	SPACE						--	--		SPACE	1	--	36
37	--	1	SPACE		--	--						SPACE	1	--	38
39	--	1	SPACE				--	--				SPACE	1	--	40
41	--	1	SPACE						--	--		SPACE	1	--	42
				TOTAL LOAD:	1520 VA		960 VA		1032 VA						

PANEL TOTALS	
TOTAL CONNECTED LOAD:	3512 VA
TOTAL ESTIMATED DEMAND LOAD:	3243 VA
TOTAL CONNECTED CURRENT:	10 A
TOTAL ESTIMATED DEMAND CURRENT:	9 A
DEMAND WITH EXPANSION:	11 A

PANELBOARD: UP

LOCATION: VETERINARY TREATMENT 111
SUPPLY FROM: SBP
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

VOLTAGE: 208Y/120V
PHASE: 3
WIRES: 4

A.I.C. RATING: 10000
MAINS TYPE: MCB
MAINS RATING: 100 A
MCB RATING: 50 A

NOTES:
1. PROVIDE BREAKER AND SIZE WIRE FOR PER MANUFACTURER'S RECOMMENDATIONS.

#	BKR	P	LOAD SERVED	WIRE / GROUND / CONDUIT	A		B		C		WIRE / GROUND / CONDUIT	LOAD SERVED	P	BKR	#
1	20	3	SPD (SEE NOTE 1)	SEE NOTE 1	0	240					(2) #12, (1) #12, 3/4" C	SURGICAL LIGHT (112)	1	20	2
3	--	--	--	--			0	360			(2) #12, (1) #12, 3/4" C	FLOORBOXES (111)	1	20	4
5	--	--	--	--					0	480	(2) #12, (1) #12, 3/4" C	FLOORBOX (112)	1	20	6
7	20	1	FLOOR BOX (111)	(2) #12, (1) #12, 3/4" C	360	360					(2) #12, (1) #12, 3/4" C	FLOOR BOX (111)	1	20	8
9	20	1	RECEPTACLES (112)	(2) #12, (1) #12, 3/4" C			1080	360			(2) #12, (1) #12, 3/4" C	FLOOR BOX (111)	1	20	10
11	20	1	RECEPTACLE (112)	(2) #12, (1) #12, 3/4" C					720	0		SPARE	1	20	12
13	20	1	FLOOR BOX (111)	(2) #12, (1) #12, 3/4" C	360	0						SPARE	1	20	14
15	20	1	SPARE				0	0				SPARE	1	20	16
17	20	1	SPARE						0	0		SPARE	1	20	18
19	20	1	SPARE		0	0						SPARE	1	20	20
21	20	1	SPARE				0	0				SPARE	1	20	22
23	--	1	SPACE						--	--		SPACE	1	--	24
25	--	1	SPACE		--	--						SPACE	1	--	26
27	--	1	SPACE				--	--				SPACE	1	--	28
29	--	1	SPACE						--	--		SPACE	1	--	30
31	--	1	SPACE		--	--						SPACE	1	--	32
33	--	1	SPACE				--	--				SPACE	1	--	34
35	--	1	SPACE						--	--		SPACE	1	--	36
37	--	1	SPACE		--	--						SPACE	1	--	38
39	--	1	SPACE				--	--				SPACE	1	--	40
41	--	1	SPACE						--	--		SPACE	1	--	42
				TOTAL LOAD:	1320 VA		1800 VA		1200 VA						

PANEL TOTALS	
TOTAL CONNECTED LOAD:	4320 VA
TOTAL ESTIMATED DEMAND LOAD:	3864 VA
TOTAL CONNECTED CURRENT:	12 A
TOTAL ESTIMATED DEMAND CURRENT:	11 A
DEMAND WITH EXPANSION:	13 A

PANELBOARD: FP

LOCATION: ELECTRICAL 109
SUPPLY FROM: SBP
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

VOLTAGE: 208Y/120V
PHASE: 3
WIRES: 4

A.I.C. RATING: 10000
MAINS TYPE: MCB
MAINS RATING: 100 A
MCB RATING: 50 A

NOTES:
1. PROVIDE BREAKER AND SIZE WIRE FOR SPD PER MANUFACTURER'S RECOMMENDATIONS.

#	BKR	P	LOAD SERVED	WIRE / GROUND / CONDUIT	A		B		C		WIRE / GROUND / CONDUIT	LOAD SERVED	P	BKR	#
1	20	3	SPD (SEE NOTE 1)	SPD (SEE NOTE 1)	0	16					(2) #12, (1) #12, 3/4" C	FAC (109)	1	20	2
3	--	--	--	--			0	384			(2) #12, (1) #12, 3/4" C	NAC (109)	1	20	4
5	--	--	--	--					0	562	(2) #12, (1) #12, 3/4" C	AMP (109)	1	20	6
7	20	3	NGP-500D (110)	(3) #12, (1) #12, 3/4" C	312	600					(2) #12, (1) #12, 3/4" C	FACU (109)	1	20	8
9	--	--	--	--			312	0				SPARE	1	20	10
11	--	--	--	--					312	0		SPARE	1	20	12
				TOTAL LOAD:	928 VA		696 VA		874 VA						

PANEL TOTALS	
TOTAL CONNECTED LOAD:	2498 VA
TOTAL ESTIMATED DEMAND LOAD:	1998 VA
TOTAL CONNECTED CURRENT:	7 A
TOTAL ESTIMATED DEMAND CURRENT:	6 A
DEMAND WITH EXPANSION:	7 A

1/21/2026

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:

DESIGN BY: H. DAS
DRAWN BY: H. DAS
CHECKED BY: C. KLOS
SUPERVISED BY: S. PEREZ
SIZE: ANSI D

CATEGORY CODE: 141-001-01
FILE NAME: 139618_E_Central

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

PANELBOARD SCHEDULES

SHEET ID
EP602

READY TO ADVERTISE (RTA)

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PANELBOARD: MDP

LOCATION: ELECTRICAL 109
SUPPLY FROM: UTILITY TRANSFORMER
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

VOLTAGE: 208Y/120V
PHASE: 3
WIRES: 4

A.I.C. RATING: 22000
MAINS TYPE: MCB
MAINS RATING: 800 A
MCB RATING: 700 A

NOTES:
1. PROVIDE BREAKER AND SIZE WIRE FOR SPD PER MANUFACTURER'S RECOMMENDATIONS.

#	BKR	P	LOAD SERVED	WIRE / GROUND / CONDUIT	A		B		C		WIRE / GROUND / CONDUIT	LOAD SERVED	P	BKR	#
1	20	3	SPD (SEE NOTE 1)	SEE NOTE 1	0	1449					SEE SINGLE LINE	LP1 (109)	3	100	2
3	--	--	--	--			0	939			--	--	--	--	4
5	--	--	--	--					0	1801	--	--	--	--	6
7	175	3	PANELBOARD PP (109)	SEE SINGLE LINE	15390	12682					SEE SINGLE LINE	DOAS-01 (EXTERIOR)	3	125	8
9	--	--	--	--			15494	12682			--	--	--	--	10
11	--	--	--	--					19244	12682	--	--	--	--	12
13	225	3	PANELBOARD MP (109)	SEE SINGLE LINE	22782	12000					SEE SINGLE LINE	BB XFMR, X-RAY	2	175	14
15	--	--	--	--			24214	12000			--	--	--	--	16
17	--	--	--	--					23198	0		SPARE	1	20	18
19	100	3	PANELBOARD TP (109)	SEE SINGLE LINE	8780	1920					SEE SINGLE LINE	ARMAG	1	20	20
21	--	--	--	--			7840	0				SPARE	1	20	22
23	--	--	--	--					8160	1920	SEE SINGLE LINE	ARMAG	1	20	24
25	100	3	PANELBOARD SBP (109)	SEE SINGLE LINE	5618	0						SPARE	1	20	26
27	--	--	--	--			6409	0				SPARE	1	20	28
29	--	--	--	--					5694	0		SPARE	1	20	30
31	20	1	SPARE		0	0						SPARE	1	20	32
33	20	1	SPARE				0	0				SPARE	1	20	34
35	20	1	SPARE						0	0		SPARE	1	20	36
37	20	1	SPARE		0	0						SPARE	1	20	38
39	20	1	SPARE				0	0				SPARE	1	20	40
41	20	1	SPARE						0	--		SPACE	1	--	42
43	20	1	SPARE		0	--						SPACE	1	--	44
45	20	1	SPARE				0	--				SPACE	1	--	46
47	20	1	SPARE						0	--		SPACE	1	--	48
49	20	1	SPARE		0	--						SPACE	1	--	50
51	20	1	SPARE				0	--				SPACE	1	--	52
53	20	1	SPARE						0	--		SPACE	1	--	54
				TOTAL LOAD:	80621 VA		79577 VA		72698 VA						

PANEL TOTALS	
TOTAL CONNECTED LOAD:	232895 VA
TOTAL ESTIMATED DEMAND LOAD:	174911 VA
TOTAL CONNECTED CURRENT:	646 A
TOTAL ESTIMATED DEMAND CURRENT:	486 A
DEMAND WITH EXPANSION:	583 A

NGUYEN PEREZ LICENSE No. 72149 STATE OF FLORIDA PROFESSIONAL ENGINEER

1/21/2026

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE:	JANUARY, 2026
SOLICITATION NO.:	W912HN-26-B-A003
CONTRACT NO.:	
DESIGN BY: H. DAS	CATEGORY CODE: 141-001-401
DRAWN BY: H. DAS	FILE NAME: 189818_E_Central
CHECKED BY: C. KLOS	SIZE: ANSI D
SUBMITTED BY: N. PEREZ	

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OLIVER STREET AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY'25, PN 69262

PANELBOARD SCHEDULES

SHEET ID
EP603

READY TO ADVERTISE (RTA)

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MECHANICAL EQUIPMENT CONNECTION SCHEDULE

EQUIPMENT TAG	LOCATION NO.	LOCATION NAME	VOLTAGE	POLES	CONNECTION TYPE	DISCONNECT RATING (A)	DISCONNECT FUSE (A)	STARTER RATING	COMMENTS
AHU-01	110	MECHANICAL	208 V	3	SINGLE POINT CONNECTION	N/A	N/A	N/A	DISCONNECT / STARTER PROVIDED BY MANUFACTURER
AHU-01 LIGHTS	110	MECHANICAL	120 V	1	SINGLE POINT CONNECTION	N/A	N/A	N/A	DISCONNECT / STARTER PROVIDED BY MANUFACTURER
AHU-02	110	MECHANICAL	208 V	3	SINGLE POINT CONNECTION	N/A	N/A	N/A	DISCONNECT / STARTER PROVIDED BY MANUFACTURER
AHU-02 LIGHTS	110	MECHANICAL	120 V	1	SINGLE POINT CONNECTION	N/A	N/A	N/A	DISCONNECT / STARTER PROVIDED BY MANUFACTURER
AHU-02 RECEPT.	110	MECHANICAL	120 V	1	SINGLE POINT CONNECTION	N/A	N/A	N/A	DISCONNECT / STARTER PROVIDED BY MANUFACTURER
AHU-02 RECEPT.	110	MECHANICAL	120 V	1	SINGLE POINT CONNECTION	N/A	N/A	N/A	DISCONNECT / STARTER PROVIDED BY MANUFACTURER
CF-01	121	OUTDOOR KENNEL	120 V	1	MOTOR RATED SWITCH	N/A	N/A	N/A	
CF-01	121	OUTDOOR KENNEL	120 V	1	MOTOR RATED SWITCH	N/A	N/A	N/A	
CF-01	121	OUTDOOR KENNEL	120 V	1	MOTOR RATED SWITCH	N/A	N/A	N/A	
CF-01	121	OUTDOOR KENNEL	120 V	1	MOTOR RATED SWITCH	N/A	N/A	N/A	
CF-01	121	OUTDOOR KENNEL	120 V	1	MOTOR RATED SWITCH	N/A	N/A	N/A	
CF-01	121	OUTDOOR KENNEL	120 V	1	MOTOR RATED SWITCH	N/A	N/A	N/A	
CF-01	121	OUTDOOR KENNEL	120 V	1	MOTOR RATED SWITCH	N/A	N/A	N/A	
CF-01	125	OUTDOOR KENNEL	120 V	1	MOTOR RATED SWITCH	N/A	N/A	N/A	
CF-01	125	OUTDOOR KENNEL	120 V	1	MOTOR RATED SWITCH	N/A	N/A	N/A	
CF-01	125	OUTDOOR KENNEL	120 V	1	MOTOR RATED SWITCH	N/A	N/A	N/A	
CF-01	125	OUTDOOR KENNEL	120 V	1	MOTOR RATED SWITCH	N/A	N/A	N/A	
CF-01	125	OUTDOOR KENNEL	120 V	1	MOTOR RATED SWITCH	N/A	N/A	N/A	
CF-01	125	OUTDOOR KENNEL	120 V	1	MOTOR RATED SWITCH	N/A	N/A	N/A	
CF-01	128	OUTDOOR QUARANTINE	120 V	1	MOTOR RATED SWITCH	N/A	N/A	N/A	
CF-01	132	OUTDOOR QUARANTINE	120 V	1	MOTOR RATED SWITCH	N/A	N/A	N/A	
CF-01	141	BREAK AREA	120 V	1	MOTOR RATED SWITCH	N/A	N/A	N/A	
CF-01	141	BREAK AREA	120 V	1	MOTOR RATED SWITCH	N/A	N/A	N/A	
CF-01	141	BREAK AREA	120 V	1	MOTOR RATED SWITCH	N/A	N/A	N/A	
CF-01	141	BREAK AREA	120 V	1	MOTOR RATED SWITCH	N/A	N/A	N/A	
CF-01	141	BREAK AREA	120 V	1	MOTOR RATED SWITCH	N/A	N/A	N/A	
CF-01	141	BREAK AREA	120 V	1	MOTOR RATED SWITCH	N/A	N/A	N/A	
CF-01	141	BREAK AREA	120 V	1	MOTOR RATED SWITCH	N/A	N/A	N/A	
CF-01	141	BREAK AREA	120 V	1	MOTOR RATED SWITCH	N/A	N/A	N/A	
CF-01	141	BREAK AREA	120 V	1	MOTOR RATED SWITCH	N/A	N/A	N/A	
CF-01	141	BREAK AREA	120 V	1	MOTOR RATED SWITCH	N/A	N/A	N/A	
CF-01	141	BREAK AREA	120 V	1	MOTOR RATED SWITCH	N/A	N/A	N/A	
CF-01	141	BREAK AREA	120 V	1	MOTOR RATED SWITCH	N/A	N/A	N/A	
CF-01	141	BREAK AREA	120 V	1	MOTOR RATED SWITCH	N/A	N/A	N/A	
CF-01	141	BREAK AREA	120 V	1	MOTOR RATED SWITCH	N/A	N/A	N/A	
CF-01	141	BREAK AREA	120 V	1	MOTOR RATED SWITCH	N/A	N/A	N/A	
CF-01	141	BREAK AREA	120 V	1	MOTOR RATED SWITCH	N/A	N/A	N/A	
CF-01	141	BREAK AREA	120 V	1	MOTOR RATED SWITCH	N/A	N/A	N/A	
CF-01	141	BREAK AREA	120 V	1	MOTOR RATED SWITCH	N/A	N/A	N/A	
DDC PANEL	110	MECHANICAL	120 V	1	SINGLE POINT CONNECTION	N/A	N/A	N/A	
DMP-01	121	OUTDOOR KENNEL	120 V	1	SINGLE POINT CONNECTION	N/A	N/A	N/A	
DMP-02	122	INDOOR KENNEL	120 V	1	SINGLE POINT CONNECTION	N/A	N/A	N/A	
DMP-03	123	KENNEL CORRIDOR	120 V	1	SINGLE POINT CONNECTION	N/A	N/A	N/A	

MECHANICAL EQUIPMENT CONNECTION SCHEDULE

EQUIPMENT TAG	LOCATION NO.	LOCATION NAME	VOLTAGE	POLES	CONNECTION TYPE	DISCONNECT RATING (A)	DISCONNECT FUSE (A)	STARTER RATING	COMMENTS
DMP-04	129	INDOOR QUARANTINE	120 V	1	SINGLE POINT CONNECTION	N/A	N/A	N/A	
DMP-05	125	OUTDOOR KENNEL	120 V	1	SINGLE POINT CONNECTION	N/A	N/A	N/A	
DOAS-01	N/A	EXTERIOR	208 V	3	SINGLE POINT CONNECTION	N/A	N/A	N/A	DISCONNECT / STARTER PROVIDED BY MANUFACTURER
DSCU-01	N/A	EXTERIOR	208 V	2	NON-FUSED DISCONNECT	30	N/A	N/A	
DSCU-02	N/A	EXTERIOR	208 V	2	NON-FUSED DISCONNECT	30	N/A	N/A	
DSCU-03	N/A	EXTERIOR	208 V	2	NON-FUSED DISCONNECT	30	N/A	N/A	
EF-01	117	LOCKER ROOM	120 V	1	SINGLE POINT CONNECTION	N/A	N/A	N/A	DISCONNECT / STARTER PROVIDED BY MANUFACTURER
EF-02	117	LOCKER ROOM	120 V	1	SINGLE POINT CONNECTION	N/A	N/A	N/A	DISCONNECT / STARTER PROVIDED BY MANUFACTURER
EF-03	130	QUARANTINE VESTIBULE	208 V	2	SINGLE POINT CONNECTION	N/A	N/A	N/A	DISCONNECT / STARTER PROVIDED BY MANUFACTURER
EF-04	120	KENNEL CORRIDOR	208 V	3	SINGLE POINT CONNECTION	N/A	N/A	N/A	DISCONNECT / STARTER PROVIDED BY MANUFACTURER
EF-05	126	KENNEL CORRIDOR	208 V	3	SINGLE POINT CONNECTION	N/A	N/A	N/A	DISCONNECT / STARTER PROVIDED BY MANUFACTURER
EF-06	123	KENNEL CORRIDOR	208 V	3	SINGLE POINT CONNECTION	N/A	N/A	N/A	DISCONNECT / STARTER PROVIDED BY MANUFACTURER
EWC-01	114	HALL	120 V	1	SINGLE POINT CONNECTION	N/A	N/A	N/A	
HP-01	N/A	EXTERIOR	208 V	3	ASD WITH DISCONNECT	100	N/A	N/A	
HP-02	N/A	EXTERIOR	208 V	3	ASD WITH DISCONNECT	100	N/A	N/A	
LCP	109	ELECTRICAL	120 V	1	SINGLE POINT CONNECTION	N/A	N/A	N/A	
RP-01	110	MECHANICAL	120 V	1	MOTOR RATED SWITCH	N/A	N/A	N/A	
TP-01	106	MENS TOILET	120 V	1	SINGLE POINT CONNECTION	N/A	N/A	N/A	
TP-02	N/A	EXTERIOR	120 V	1	SINGLE POINT CONNECTION	N/A	N/A	N/A	
TP-03	110	MECHANICAL	120 V	1	SINGLE POINT CONNECTION	N/A	N/A	N/A	
VAV-01	113	FOOD STORAGE	208 V	3	SINGLE POINT CONNECTION	N/A	N/A	N/A	DISCONNECT / STARTER PROVIDED BY MANUFACTURER
VAV-02	115	TACK ROOM	208 V	3	SINGLE POINT CONNECTION	N/A	N/A	N/A	DISCONNECT / STARTER PROVIDED BY MANUFACTURER
VAV-03	114	HALL	208 V	3	SINGLE POINT CONNECTION	N/A	N/A	N/A	DISCONNECT / STARTER PROVIDED BY MANUFACTURER
VAV-04	114	HALL	208 V	3	SINGLE POINT CONNECTION	N/A	N/A	N/A	DISCONNECT / STARTER PROVIDED BY MANUFACTURER
VAV-05	104	MULTI-PURPOSE HANDLERS	208 V	3	SINGLE POINT CONNECTION	N/A	N/A	N/A	DISCONNECT / STARTER PROVIDED BY MANUFACTURER
VAV-06	117	LOCKER ROOM	208 V	3	SINGLE POINT CONNECTION	N/A	N/A	N/A	DISCONNECT / STARTER PROVIDED BY MANUFACTURER
VAV-07	101	CORRIDOR	208 V	3	SINGLE POINT CONNECTION	N/A	N/A	N/A	DISCONNECT / STARTER PROVIDED BY MANUFACTURER
VAV-08	102	KENNEL MASTER	208 V	3	SINGLE POINT CONNECTION	N/A	N/A	N/A	DISCONNECT / STARTER PROVIDED BY MANUFACTURER
VAV-08	102	KENNEL MASTER	208 V	3	SINGLE POINT CONNECTION	N/A	N/A	N/A	DISCONNECT / STARTER PROVIDED BY MANUFACTURER
VAV-09	103	TRAINER	208 V	3	SINGLE POINT CONNECTION	N/A	N/A	N/A	DISCONNECT / STARTER PROVIDED BY MANUFACTURER
WH-01	110	MECHANICAL	120 V	1	MOTOR RATED SWITCH	20	N/A	N/A	
WH-02	110	MECHANICAL	120 V	1	MOTOR RATED SWITCH	20	N/A	N/A	

NGUYEN PEREZ LICENSE No. 72149 STATE OF FLORIDA PROFESSIONAL ENGINEER

1/21/2026

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
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DESIGN BY: H. DAS
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U.S. ARMY CORPS OF ENGINEERS
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9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

MECHANICAL CONNECTION SCHEDULE

SHEET ID
EP604

READY TO ADVERTISE (RTA)

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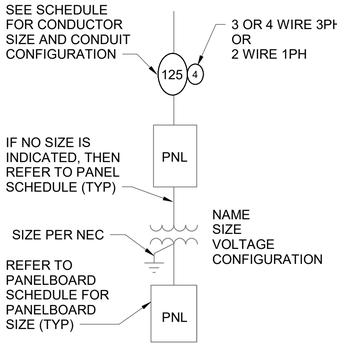
FEEDER MARK LEGEND:



FEEDER AND BRANCH CIRCUIT SCHEDULE

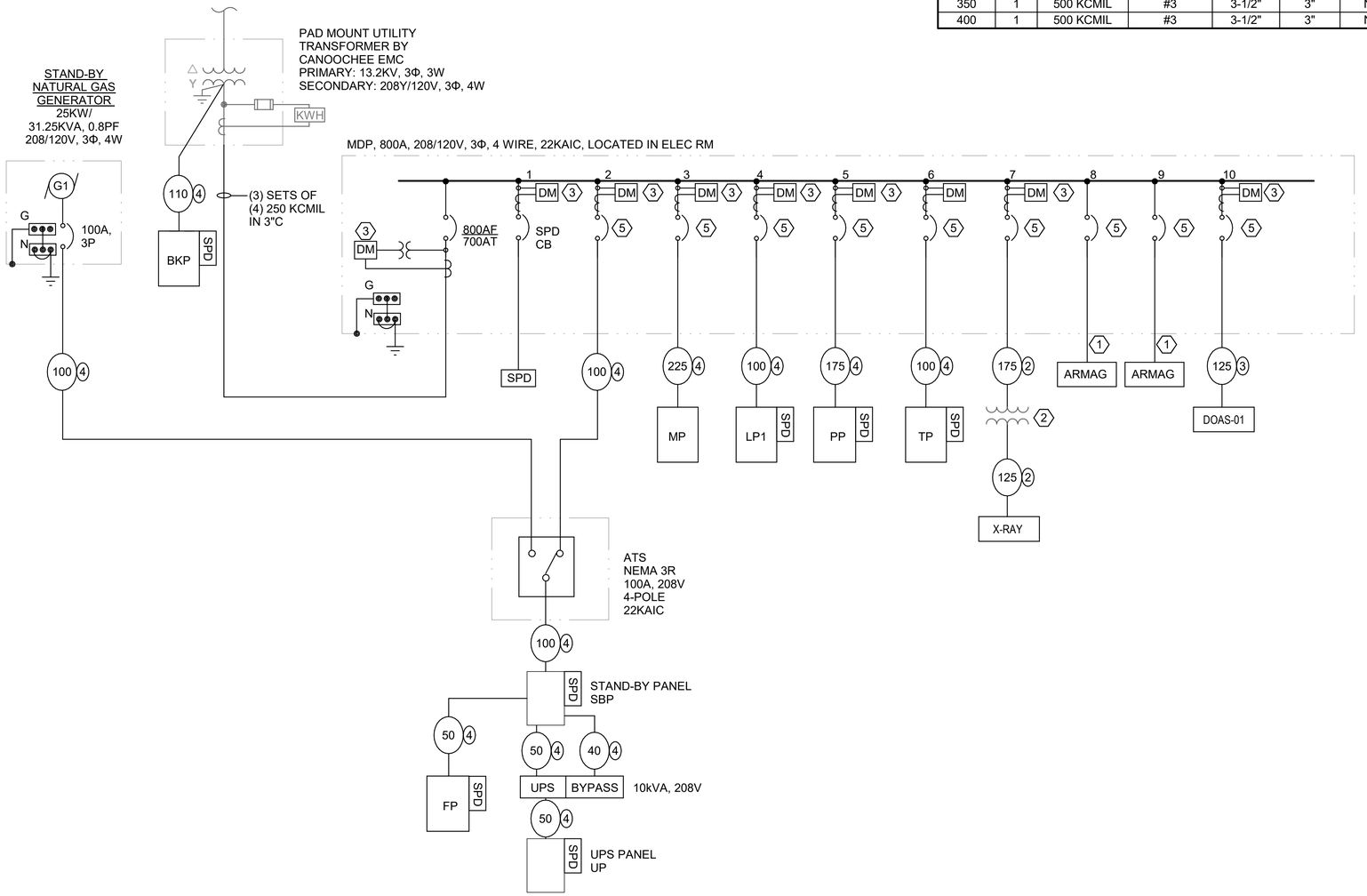
MARK	# OF SETS	PHASE CONDUCTORS	EQUIP. GROUND CONDUCTOR	3PH / 4W CONDUIT SIZE	3PH / 3W CONDUIT SIZE	1PH / 2W CONDUIT SIZE
15	1	#12	#12	3/4"	3/4"	3/4"
20	1	#12	#12	3/4"	3/4"	3/4"
30	1	#10	#10	3/4"	3/4"	3/4"
35	1	#8	#10	1"	3/4"	3/4"
40	1	#8	#10	1"	3/4"	3/4"
45	1	#6	#10	1"	1"	3/4"
50	1	#6	#10	1"	1"	3/4"
60	1	#4	#10	1-1/2"	1-1/2"	1"
70	1	#4	#8	1-1/2"	1-1/2"	1"
80	1	#3	#8	1-1/2"	1-1/2"	1"
90	1	#2	#8	1-1/2"	1-1/2"	1"
100	1	#1	#8	2"	1-1/2"	1-1/2"
110	1	#1/0	#6	2"	1-1/2"	N/A
125	1	#1/0	#6	2"	1-1/2"	N/A
150	1	#1/0	#6	2"	1-1/2"	N/A
175	1	#2/0	#6	2"	2"	N/A
200	1	#3/0	#6	2-1/2"	2"	N/A
225	1	#4/0	#4	2-1/2"	2"	N/A
250	1	250 KCMIL	#4	3"	2-1/2"	N/A
300	1	350 KCMIL	#4	3"	3"	N/A
350	1	500 KCMIL	#3	3-1/2"	3"	N/A
400	1	500 KCMIL	#3	3-1/2"	3"	N/A

GENERAL NOTES

1. REFER TO DRAWINGS E-001 AND E-002 FOR ADDITIONAL NOTES, ABBREVIATIONS, AND LEGENDS. .
2. SEE PANELBOARD SCHEDULES FOR AIC RATING OF PANELBOARDS
3. SEE PANELBOARD SCHEDULES FOR FEEDER WIRE AND CONDUIT SIZES NOT SHOWN.
4. PANEL SCHEDULES UTILIZE THIS MATRIX OF WIRE SIZES, UNLESS CONDUCTORS ARE REQUIRED TO BE SIZED DIFFERENTLY THAN NEC TABLE 310.15 UNDER ENGINEERING SUPERVISION.
5. ALL NEUTRALS CONDUCTORS SHALL MATCH THE SIZE OF THE PHASE CONDUCTORS.
6. ALL EQUIPMENT GROUNDS SHALL BE PER NEC 250.122
7. SEE PANELBOARD SCHEDULES FOR PANELBOARD SPARE AND SPACE QUANTITIES.

(#) SHEET KEYNOTES

1. PROVIDE (2) #4 AWG, (1) #4 GND WITHIN 1" CONDUIT
2. 208-240V BUCK BOOST TRANSFORMER, 28.63kVA,1Φ
3. PROVIDE DIGITAL METER WITH ETHERNET COMMUNICATION TO DDC BACNET SYSTEM. COORDINATE DDC LOCATIONS WITH MECHANICAL DISCIPLINE AND SEE M701 FOR PARAMETERS.
4. PROVIDE (2) #6AWG, (1) #10 GND WITHIN 2" CONDUIT.
5. SEE PANELBOARD SCHEDULE MDP ON EP603 FOR BREAKER SIZE.



A1 POWER SINGLE LINE DIAGRAM
SCALE:NTS

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-401
DESIGN BY: H. DAS
DRAWN BY: H. DAS
CHECKED BY: C. KLOS
SUBMITTED BY: N. PEREZ
FILE NAME: 189518_E_Central
SIZE: ANSI D

U.S. ARMY CORPS OF ENGINEERS
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HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

SINGLE LINE DIAGRAM

NGUYEN PEREZ LICENSED No. 72149 STATE OF FLORIDA PROFESSIONAL ENGINEER

1/21/2026

SHEET ID
EP701

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SYMBOLS - COMMUNICATION

WIRE IN CONDUIT, RUN CONCEALED ABOVE CEILING OR IN WALL.

WIRE IN CONDUIT ROUTE BELOW GRADE OR FLOOR SLAB.

-COMM- COMMUNICATION DUCTBANK

CABLE TRAY. TYPE AND MOUNTING HEIGHT AS INDICATED ON PLANS.

12"W = WIDTH
4"D = DEPTH
BT = WIRE MESH BASKET TRAY
CR = CABLE RUNWAY
LT = LADDER TRAY
11'-0" AFF = HEIGHT ABOVE FINISHED FLOOR (FROM BOTTOM OF TRAY)

12"W X 4"D CT 10'-6" AFF

VERTICAL CABLE TRAY

▽# VOICE COMMUNICATIONS OUTLET BOX. NUMBER INDICATES OUTLET TYPE. MOUNT 72" AFF UON. SEE FACEPLATE DETAILS.

▽# DATA/VOICE COMMUNICATIONS OUTLET BOX. NUMBER INDICATES OUTLET TYPE. MOUNT 72" AFF UON. SEE FACEPLATE DETAILS.

▼# DATA COMMUNICATIONS OUTLET BOX. NUMBER INDICATES OUTLET TYPE. MOUNT 72" AFF UON. SEE FACEPLATE DETAILS.

▼S SIPRNET OUTLET - SURFACE MOUNT AT 72" AFF WITH SECURE BOX AND PDS TO SIPRNET SAFE ENCLOSURE. SEE FACEPLATE DETAIL.

NIPRNET COMBINED POWER/COMMUNICATIONS FLOOR BOX. NUMBER INDICATES FLOORBOX TYPE. SEE COMMUNICATIONS FACEPLATE DETAILS.

RECESSED POWER/COMM. SEE TN SERIES SHEETS FACEPLATE INFORMATION.

JUNCTION BOXES

JUNCTION BOX, RECESSED WALL MOUNTED 18" AFF, UON

JUNCTION BOX, SURFACE WALL MOUNTED 18" 1FF, UON

JUNCTION, BOX, RECESSED IN FLOOR

JUNCTION BOX, MOUNTED IN CEILING, UON

SYMBOL MODIFIERS

AC	ABOVE COUNTER
AV	AUDIO-VISUAL; COORDINATE WITH AV PLANS
C	RECESSED IN CEILING
F	RECESSED IN FLOOR
GFCI,GFI	GROUND FAULT CIRCUIT INTERRUPTER
W	WALL MOUNTED, 48" AFF UON
WPIU	WEATHERPROOF IN USE

SYMBOLS - SECURITY

ELECTRONIC ACCESS CONTROL

NOTE: ALL SYMBOLS SHOWN ARE GFGI, PROVIDE CONDUIT AND PULL ROPE.

ACS ACCESS CONTROL PANEL (GFGI)

BM BALANCE MAGNETIC SWITCH (GFGI)

CK PROXIMITY CARD READER WITH KEYPAD (GFGI)

DS DOORSTRIKE/LOCKING DEVICE (GFGI)

RX REQUEST TO EXIT DEVICE (GFGI)

A1 / TY501 DOOR TYPE DETAIL CALLOUT
ARROW INDICATES SECURE SIDE OF DOOR
DOOR TYPE SHEET CALLOUT

INTRUSION DETECTION SYSTEM

NOTE: ALL SYMBOLS SHOWN ARE GFGI, PROVIDE CONDUIT AND PULL ROPE.

PCU PREMISE CONTROL UNIT (GFGI)

PIR PASSIVE INFRARED MOTION SENSOR (GFGI)

IP CCTV SYSTEM

FIXED IP CAMERA (GFGI)

MULTI-SENSOR IP CAMERA (GFGI)

A.C01 SECTION LOCATION
CAMERA ID#
IDENTIFIER

LEGEND NOTES

1. EQUIPMENT IDENTIFIERS, MATCHING THOSE IN EQUIPMENT SCHEDULES, ARE DISPLAYED INSIDE OF BRACKETS [ ].
2. SYMBOLS ORIENTATION DOES NOT IMPLY DEVICE OR EQUIPMENT ORIENTATION. UNLESS NOTED AS SUCH. SEE REFLECTED CEILING PLANS FOR LIGHT FIXTURE POSITIONS AND ORIENTATIONS.
3. SYMBOL SIZE DOES NOT IMPLY EQUIPMENT SIZE, UON.
4. MOUNTING HEIGHT INDICATED IN LEGEND AND ON THE DRAWINGS MUST BE THE DISTANCE MEASURED FROM THE CENTER OF THE DEVICE TO THE FINISHED FLOOR.
5. NOT ALL SYMBOLS ARE USED.
6. REFER TO TYPICAL DETAILS ON TN500 SERIES DRAWINGS.

EXTERIOR GENERAL NOTES:

1. THIS PROJECT REQUIRES UNDERGROUND WORK INCLUDING A LARGE PORTION OF THE WORK BEING PERFORMED IN EXISTING ROADWAYS AND PAVEMENTS. THE CONTRACTOR MUST REPAIR ALL EXISTING ROADWAYS AND PAVEMENTS TO MATCH EXISTING.
2. CONTRACTOR MUST COORDINATE ALL NEW WORK WITH CIVIL PLANS, CIVIL UTILITY PLANS, AND ELECTRICAL SITE PLANS.
3. THE UNDERGROUND WORK FOR THIS PROJECT REQUIRES CLOSE COORDINATION WITH EXISTING UTILITIES. THE CONTRACTOR MUST VERIFY AND COORDINATE ALL NEW WORK WITH ALL EXISTING UTILITIES, EXISTING EQUIPMENT, AND EXISTING CONDITIONS.
4. PRIOR TO DIGGING, THE CONTRACTOR MUST OBTAIN ALL APPLICABLE DIGGING PERMITS. ALL UNDERGROUND UTILITIES IN THE WORK AREA MUST BE POSITIVELY IDENTIFIED BY A PRIVATE UTILITY LOCATING SERVICE IN ADDITION TO APPLICABLE BASE LOCATING SERVICE AND COORDINATED WITH THE BASE UTILITY DEPARTMENT. ALL MARKINGS MADE DURING THE UTILITY INVESTIGATION MUST BE MAINTAINED THROUGHOUT THE CONTRACT.
5. THE CONTRACTOR MUST PHYSICALLY VERIFY UNDERGROUND UTILITY LOCATIONS BY HAND DIGGING AND/OR POT-HOLING USING WOOD OR FIBERGLASS HANDLED TOOLS WHEN ANY ADJACENT CONSTRUCTION WORK IS EXPECTED TO COME WITHIN THREE FEET OF THE UNDERGROUND SYSTEM. DIGGING WITHIN 2 FEET OF A KNOWN UTILITY MUST NOT BE PERFORMED BY MEANS OF MECHANICAL EQUIPMENT; HAND DIGGING MUST BE USED. IF CONSTRUCTION IS PARALLEL TO AN EXISTING UTILITY EXPOSE THE UTILITY BY HAND DIGGING EVERY 100 FEET IF PARALLEL WITHIN 5 FEET OF THE EXCAVATION.
6. CONTRACTOR MUST COORDINATE ACCESS TO MANHOLES, HANDHOLES, AND BUILDINGS WITH COR.
7. PRIOR TO INSTALLATION OF NEW CABLES IN EXISTING DUCTBANKS, THE CONTRACTOR MUST COORDINATE WITH THE COR TO DETERMINE WHICH DUCT(S) MUST BE USED. THE CONTACTOR MUST FIELD VERIFY (ROD & MANDREL) EACH PATHWAY IDENTIFIED TO ENSURE IT IS ADEQUATE FOR CABLE INSTALLATION. CONTRACTOR MUST NOTIFY COR IF AN EXISTING DUCT IDENTIFIED TO BE USED IS NOT ADEQUATE FOR NEW CABLE INSTALLATION.
8. ALL COPPER AND FIBER SPLICING MUST BE COORDINATED WITH NETWORK ENTERPRISE CENTER (NEC) VIA THE COR.
9. IN MANHOLES/HANDHOLES WHERE FIBER OR COPPER CABLES ARE TO BE SPLICED, PROVIDE MINIMUM 25' OF SLACK ON EITHER SIDE OF SPLICE CLOSURE FOR EACH FIBER AND COPPER CABLE. WHERE NEW FIBER OR COPPER CABLES ARE TO BE SPLICED WITH EXISTING FIBER OR COPPER CABLES, LEAVE MINIMUM 25' OF EXISTING FIBER AND COPPER CABLES.
10. IN MANHOLES/HANDHOLES WHERE CABLES ARE TO BE ROUTED THROUGH BUT NOT SPLICED, PROVIDE A MINIMUM OF 50' OF SLACK FOR EACH FIBER AND COPPER CABLE.
11. FIBER AND COPPER SPLICE CLOSURES MUST BE SECURELY FASTENED TO MANHOLE/HANDHOLE CABLE RACKS AND RACKS HOOKS USING ADJUSTABLE STAINLESS STEEL STRAPS.
12. FIBER AND COPPER SPLICES ARE ONLY ALLOWED WHERE INDICATED. ADDITIONAL SPLICES ARE NOT ALLOWED WITHOUT WRITTEN DIRECTION FROM COR.
13. PROVIDE PULL STRINGS IN ALL NEW CONDUITS, INCLUDING CONDUITS WHERE MULTICELL INNERDUCTS ARE TO BE INSTALLED.
14. MULTICELL INNERDUCTS MUST BE INSTALLED IN CONDUITS WHERE INDICATED AND TERMINATED IN MANHOLES/HANDHOLES PER MANUFACTURER INSTRUCTIONS AND RECOMMENDATIONS.
15. CONTRACTOR MUST PROVIDE (1) 4" 3-CELL INNERDUCTS IN ALL NEW 4" CONDUITS. IN ADDITION, CONTRACTOR MUST INSTALL INNERDUCTS IN CONDUITS WHERE INDICATED.

INTERIOR GENERAL NOTES:

1. BACKBONE CABLING MUST BE INSTALLED IN AREA CABLE TRAYS AND BACKBONE CONDUITS SHOWN. BACKBONE CABLING MUST NOT BE INSTALLED USING J-HOOKS OR ANY OTHER METHOD.
2. COMMUNICATION ROOMS HAVE BEEN LOCATED TO ENSURE THE HORIZONTAL CABLING THROUGHOUT THE FACILITY DOES NOT EXCEED 295 FEET TO MEET UFC 3-580-01 STANDARDS. CONTRACTOR MUST ROUTE PATHWAYS AND CABLES TO ENSURE THIS DISTANCE IS NOT EXCEEDED. CONTACTOR MUST NOTIFY COR PRIOR TO PATHWAY AND CABLE INSTALLATION IF THERE ARE AREAS WHERE THE EXPECTED DISTANCE MAY BE EXCEEDED.
3. HORIZONTAL CABLING SERVING WALL MOUNTED COMMUNICATIONS OUTLETS MUST BE ROUTED FROM COMMUNICATIONS OUTLET IN MINIMUM 1" CONDUIT FROM EACH COMMUNICATIONS OUTLET TO AREA CABLE TRAY, AND IN AREA CABLE TRAY TO DESIGNATED COMMUNICATION ROOM. ROUTE CONDUITS IN FINISHED AREAS CONCEALED IN WALL. WHERE COMMUNICATION OUTLETS ARE INSTALLED IN EXPOSED UNFINISHED ROOMS, CONDUITS MAY BE SURFACE MOUNTED. CONDUITS ROUTED EXPOSED MUST BE PAINTED TO MATCH ADJACENT SURFACES.
4. HORIZONTAL CABLING SERVING FLUSH MOUNTED COMBINATION COMM/POWER FLOOR BOXES ON THE GROUND FLOOR MUST BE ROUTED FROM FLOOR BOX VIA UNDERGROUND CONDUITS TO DESIGNATED COMMUNICATIONS ROOM. PROVIDE MINIMUM TWO 1-1/4" CONDUITS FROM EACH FLOOR BOX TO COMMUNICATION ROOM.
5. HORIZONTAL CABLING SERVING SYSTEMS FURNITURE FLUSH MOUNTED FLOOR BOX FEEDS ON THE GROUND FLOOR MUST BE ROUTED FROM OUTLET LOCATION ON SYSTEMS FURNITURE, VIA SYSTEMS FURNITURE WIRE CHANNELS, THROUGH FLOOR BOX, AND IN UNDERGROUND CONDUIT TO DESIGNATED COMMUNICATIONS ROOM.
6. HORIZONTAL CABLING SERVING WALL MOUNTED SYSTEMS FURNITURE JUNCTION BOX FEEDS MUST BE ROUTED FROM OUTLET LOCATION ON SYSTEMS FURNITURE, VIA SYSTEMS FURNITURE WIRE CHANNELS, THROUGH WALL JUNCTION BOX, IN CONDUIT TO CABLE TRAY, AND IN CABLE TRAY TO DESIGNATED COMMUNICATIONS.
7. PROVIDE UL RATED FIRESTOP ASSEMBLIES FOR CABLE TRAY AND CONDUIT PENETRATIONS THROUGH FIRE AND SMOKE RATED WALLS. SEE ARCHITECTURAL SHEETS FOR ADDITIONAL INFO.
8. REFER TO EG SERIES SHEETS FOR GROUNDING AND BONDING REQUIREMENTS.
9. PAINT ALL SURFACE MOUNTED CONDUIT TO MATCH THE PAINT/COLOR OF ADJACENT SPACES. EXCLUDING THE PDS IN CAA.
10. SEE ARCHITECTURAL DRAWINGS FOR ALL WALL, FLOOR AND CEILING PENETRATIONS AND DETAILS.
11. MAINTAIN MINIMUM 2 INCH SEPARATION BETWEEN ALL NON-SECURE/UNCLASS (NIPR) CABLING AND ALL SECURE CABLING.

NGUYEN PEREZ LICENSE No. 72149 STATE OF FLORIDA PROFESSIONAL ENGINEER

1/21/2026

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

DESIGN BY:	N. PEREZ
DRAWN BY:	H. DAS
CHECKED BY:	C. KLOS
SUBMITTED BY:	N. PEREZ
SIZE:	ANSI D
ISSUE DATE:	JANUARY, 2026
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FILE NAME:	18968 18_E_Central

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TELECOMMUNICATIONS SYMBOLS AND LEGEND

SHEET ID
T-001

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ABBREVIATIONS

A	AMPERES
AC	ALTERNATING CURRENT
AFF	ABOVE FINISHED FLOOR
AIC	AMPERES INTERRUPTING CAPACITY
AV	AUDIO/VIDEO
AWG	AMERICAN WIRE GAUGE
BET	BUILDING ENTRANCE TERMINATION
BM	BALANCED MAGNETIC SWITCH
C	CONDUIT
CAT	CATEGORY
CATV	CABLE TELEVISION
CCTV	CLOSED CIRCUIT TELEVISION
COMM	COMMUNICATIONS
CPP	COPPER HORIZONTAL PATCH PANEL
CT	CABLE TRAY
EMT	ELECTRICAL METALLIC TUBING
FB	FLOOR BOX
FPP	FIBER OPTIC PATCH PANEL
GFGI	GOVERNMENT FURNISHED AND INSTALLED
G OR GND	GROUND
GFI	GROUND FAULT INTERRUPTER
HH	HANDHOLE
HZ	HERTZ
ID	IDENTIFICATION
IDS	INTRUSION DETECTION SYSTEM
IN	INCH OR INCHES
K	KILO
MDP	MAIN DISTRIBUTION PANEL
MH	MANHOLE
MIN	MINIMUM
MN/PA	MASS NOTIFICATION/PUBLIC ADDRESS
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
NIPR	NON-SECRET INTERNET PROTOCOL ROUTING
NTS	NOT TO SCALE
PBB	PRIMARY BUSBAR
PDS	PROTECTED DISTRIBUTION SYSTEM
PVC	POLYVINYL CHLORIDE
RM	ROOM
RU	RACK UNIT
SBB	SECONDARY BUSBAR
SIPR	SECRET INTERNET PROTOCOL ROUTER
SM	SINGLE MODE
TYP	TYPICAL
TW	TIME WARNER
UC	UNDERGROUND COMMUNICATIONS
UE	UNDERGROUND ELECTRICAL
UL	UNDERWRITERS' LABORATORIES
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
UTP	UNSHIELDED TWISTED PAIR

SECURITY - GENERAL NOTES

GENERAL ELECTRICAL PROJECT COORDINATION NOTES:

(APPLICABLE TO ALL VOICE/DATA AND SECURITY/ACCESS CONTROL DRAWINGS.)

1. REFER TO ARCHITECTURAL AND STRUCTURAL DOCUMENTATION FOR DIMENSIONS, ELEVATIONS, SECTIONS, EXPANSION JOINTS, ETC.
2. COORDINATE ALL PENETRATIONS THROUGH STRUCTURAL SLABS, POURED AND MASONRY WALLS WITH STRUCTURAL ENGINEER.
3. WHERE CONDUIT AND CABLE TRAY PENETRATIONS ARE REQUIRED THROUGH FIRE RATED WALLS AND FLOORS, PROVIDE UL-APPROVED FIRE- PROOFING ASSEMBLIES OF REQUIRED RATINGS AS INDICATED ON ARCHITECTURAL LIFE SAFETY DOCUMENTS.
4. ENSURE RACEWAYS, TRAYS AND CABLES ARE NOT PLACED EXPOSED BELOW CEILINGS, IN FRONT OF ACCESS PANELS, WINDOWS OR OTHER EQUIPMENT.
5. REFER TO NETWORK COORDINATION ELEVATION DRAWINGS FOR OUTLET MOUNTING HEIGHTS, ALIGNMENT AND ARRANGEMENT OF DEVICES.
6. DIMENSIONS INDICATED ON DRAWINGS ARE SHOWN FOR COORDINATION PURPOSES ONLY. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ACTUAL EQUIPMENT LOCATIONS WITH ROOM LAYOUTS, OTHER WORKS, AND CODES AND STANDARDS.
7. ALL DATA CABLES SHALL BE CONTINUOUS FROM THE COMMUNICATION OUTLETS TO THE RACK OR CABINET. NO SPLICES.
8. ALL CONDUITS AND SLEEVES DESIGNATED FOR COMMUNICATIONS USE (WHETHER THEY ARE UTILIZED OR NOT) SHALL BE FIRE- STOPPED.
9. COORDINATE WITH OTHER TRADES AND DRAWINGS. COORDINATE THE SEQUENCE OF WORK.
10. MAINTAIN A RUNNING UPDATE OF ALL FIELD OR CONTRACT DOCUMENT CHANGES AND UPDATE "AS BUILT" DRAWINGS AS AN ONGOING PROCESS.
11. ALL CABLES INSTALLED IN SUSPENDED CEILING MUST BE PLENUM RATED.
12. COLOR, TYPE & FINISH OF ALL OUTLETS, DEVICES & FACE PLATES SHALL BE AS APPROVED BY THE ARCHITECT.
13. EXACT LOCATION & DIMENSIONS OF ALL TELECOMMUNICATION OUTLETS AND OTHER DEVICES SHOWN ON DRAWINGS SHALL BE COORDINATED WITH THE ARCHITECTURAL DRAWINGS.
14. FOR ALL TELECOM CABINETS AND RACKS, INSTALL AN ENGRAVED PLASTIC-LAMINATED NAME-PLATE ALONG THE TOP FRONT FACE OF THE CABINET/RACK.
15. ALL TELECOM CABINETS AND/OR RACKS SHALL BE ADEQUATELY BOLTED TO THE FLOOR STRUCTURE.

SECURITY - CONDUIT ROUTING

CABLING ROUTING CRITERIA:

FOLLOWING ARE GUIDELINES FOR THE ROUTING OF SECURITY CONDUIT:

1. RUN WITH A MINIMUM OF 2" SEPARATION FROM AC POWER DISTRIBUTION CABLES.
2. ALL POWER AND COMMUNICATIONS CONDUIT ARE TO CROSS PERPENDICULARLY WHERE CROSSINGS ARE NECESSARY.
3. CABLE TRAY AND CONDUITS SHALL BE INSTALLED IN THE CEILING SPACE AND SHALL SUPPORT THE COMMUNICATIONS CABLE PLANT. CABLE TRAY SHALL BE INSTALLED AT MAIN ACCESS CORRIDORS WITH CONDUITS BRANCHING TO DATA OUTLET LOCATIONS. CABLE TRAY SUPPORTS MUST BE PLACED WITHIN 610MM ON EACH SIDE OF ANY CONNECTION TO A FITTING.
4. ALL CONDUITS SHALL HAVE A MINIMUM BEND RADIUS OF TEN (10) TIMES THE OUTSIDE DIAMETER, EXCEPT FOR OUTLET STUB-UPS, WHICH SHALL HAVE A MINIMUM OF 150MM BEND RADIUS.
5. FOR SECURITY CONDUITS, PROVIDE A PULL BOX BETWEEN SECTIONS WITH MORE THAN TWO (2) 90 DEGREE BENDS.
6. PROVIDE A PULL STRING IN ALL EMPTY CONDUITS.

NGUYEN PEREZ LICENSE No. 72149 STATE OF FLORIDA PROFESSIONAL ENGINEER

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TELECOMMUNICATION GENERAL NOTES

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LIST OF ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
BBU	BATTERY BACK-UP UNIT
BDA	BI-DIRECTIONAL AMPLIFIER
BTS	BASE TRANSCEIVER STATION
CW	CONTINUOUS WAVE
DAQ	DIGITAL AUDIO QUALITY
DAS	DISTRIBUTED ANTENNA SYSTEM
DIV	DIVISION
dB	DECIBEL
EMI	ELECTROMAGNETIC INTERFERENCE
ERCES	EMERGENCY RESPONDER COMMUNICATIONS ENHANCEMENT SYSTEM
ERP	EFFECTIVE RADIATED POWER
FCC	FEDERAL COMMUNICATIONS COMMISSION
FOC	FIBER OPTIC CABLE
FSPL	FREE SPACE PATH LOSS
LMR	LAND MOBILE RADIO
LTE	LONG TERM EVOLUTION
MCU	MASTER CONTROL UNIT
MIMO	MULTIPLE INPUT MULTIPLE OUTPUT
NEC	NATIONAL ELECTRICAL CODE
NFPA	NATIONAL FIRE PROTECTION ASSOSCIATION
POE	POWER OVER ETHERNET
POI	POINT OF INTERFACE
PIM	PASSIVE INTERMODULATION
PS	PUBLIC SAFETY
PTP	POINT TO POINT
RF	RADIO FREQUENCY
RFI	RADIO FREQUENCY INTERFERENCE
RSSI	RECEIVED SIGNAL STRENGTH INDICATOR
SM	SINGLE MODE
SNMP	SIMPLE NETWORK MANAGEMENT PROTOCOL
STP	SHIELDED TWISTED-PAIR
UL	UNDERWRITERS LABORATORY
UHF	ULTRA HIGH FREQUENCY
UTP	UNSHIELDED TWISTED-PAIR\
VHF	VERY HIGH FREQUENCY
VSWR	VOLTAGE STANDING WAVE RADIO
WAN	WIDE AREA NETWORK
WLAN	WIRELESS LOCAL AREA NETWORK
WSP	WIRELESS SERVICE PROVIDER

DISTRIBUTED ANTENNA SYSTEM SYMBOLS

CEILING MOUNT IN-BUILDING DISTRIBUTION ANTENNA

DIRECTIONAL DONOR ANTENNA

EQUIPMENT INSTALLATION GENERAL NOTES

1. INSTALL COUPLERS (SPLITTERS/COMBINERS), CONNECTORS AND OTHER PASSIVE COMPONENTS IN ACCESSIBLE CEILING OR PROVIDE ACCESS AS REQUIRED.
2. INSTALL SHRINKABLE TUBING AT CONNECTION POINTS. INSTALL TUBING TO SEAL EACH CONNECTOR AND PREVENT LOOSENING OF ITS COMPONENTS.
3. FLEXIBLE JUMPER CABLES MUST BE USED FOR CONNECTIONS TO ALL DEVICES TO ELIMINATE ANY MECHANICAL STRESS ON CONNECTORS OR DEVICES.
4. ALL DISCRETE IN-BUILIDNG ANTENNAS MUST BE INSTALLED WITH A METALLIC GROUND PLANE, AS SPECIFIED BY THE MANUFACTURER.
5. CABLE SHIELDS, SPLITTERS, ANTENNAS, AND ACTIVE EQUIPMENT MUST BE GROUNDED TO ELIMINATE SHOCK HAZARD AND TO MINIMIZED GROUND LOOPS, COMMON-MODE RETURNS, NOISE PICKUP, CROSS-TALK, AND OTHER IMPAIRMENTS.
6. LOCATIONS OF ALL THE DEVICES AND EQUIPMENT IN THE TELECOM AND FIRE PROTECTION ROOMS/ SPACES MUST BE COORDINATED WITH ALL THE AFFECTED TRADES AND THE OWNER PRIOR TO INSTALLATION.
7. ALL EXTERIOR COAXIAL CABLE CONNECTIONS AND TERMINATIONS MUST BE PROTECTED FROM WATER INGRESS BY INSTALLING WEATHERPROOFING KITS.
8. ALL EXTERIOR COAXIAL CABLE CONNECTORS AND COUPLERS MUST BE WEATHER SEALED.
9. PROVIDE CABLE ENTRY PORT PANEL/ WEATHERHEAD FOR 7/8" PLENUM RATED COAXIAL CABLE SHIELD TO INTERIOR OR STRUCTURAL GROUND.
10. PROVIDE LIGHTNING SUPPRESSION DEVICE IMMEDIATELY INSIDE THE ENTRY AND CONNECT TO THE STRUCTURAL GROUND.
11. COAXIAL CABLE DISTANCE BETWEEN HEAD-END ELECTRONICS AND ROOF TOP DONOR ANTENNAS MUST BE AS DIRECT AS POSSIBLE AND MUST NOT EXCEED 100 FEET IN LENGTH.
12. COORDINATE WITH ROOFING CONTRACTOR FOR CODE CONFORMANCE OF ROOFTOP PENETRATIONS AND WEATHER SEALING OF HOUSING TO ROOF INTERFACE.
13. MAINTAIN A MINIMUM OF 6 FOOT OR GREATER VERTICAL AND HORIZONTAL SEPARATION BETWEEN DONOR ANTENNAS.
14. DIRECTIONAL TYPE DONOR ANTENNA MUST BE COORDINATED WITH THE AHJ AND CARRIERS(S) PRIOR TO COMMISIONING TO ENSURE CORRECT/ OPTIMAL DONOR SITE CAPTURE.

PATHWAY INSTALLATION GENERAL NOTES

1. REFER TO DIV 26 SPECIFICATIONS FOR ALL CONDUIT, SLEEVES, FLOOR BOXES, STUB-UPS, AND BACK BOXES.
2. CABLE ROUTES SHOWN ARE DIAGRAMATIC IN NATURE. EXACT ROUTING MUST BE COORDINATED AND MUST MEET THE INTENT DEPICTED ON DRAWINGS AND AS SPECIFIED IN CONTRACT DOCUMENTS.
3. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH OTHER TRADE DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR SURVEYING THE FACILITY TO LOCATE ALL BACK BOXES, CONDUITS, STUB-UPS AND OTHER PATHWAYS FOR DISTRIBUTED ANTENNA SYSTEM.
4. WHERE THE USE OF J-HOOKS IS PERMITTED, J-HOOKS MUST BE SPACED NO MORE THAN 5'-0" APART. J-HOOKS ARE ONLY PERMITTED IN ACCESSIBLE CEILINGS.
5. PROVIDE NEW PENETRATIONS FOR ROUTING THROUGH FIRE RATED ASSEMBLIES AND FIRE STOP ALL PENETRATIONS PER CODE. TO RESTORE THE FIRE RATING OF BUILDING COMPONENTS IF EXISTING PENETRATIONS ARE USED FOR NEW ROUTING.
6. ALL CONDUITS MUST BE DEBARRED, CLEANED, TAGGED, AND FURNISHED WITH PULL STRINGS BY THE CONTRACTOR.
7. PROVIDE CONDUITS IN ALL EXPOSED AND INACCESSIBLE WALLS, FLOORS AND CEILINGS.
8. PROVIDE PLASTIC BUSHINGS AT ALL SLEEVE AND OPEN CONDUIT ENDS.
9. PROVIDE A PULL BOX IN CONDUIT RUNS SUCH THAT:
   a. MAXIMUM CONTINUOUS RUN MUST NOT EXCEED 100FT
   b. NO MORE THAN TWO 90 DEGREES BENDS IN A CONTINOUS CONDUIT RUN
   c. AT LEAST ONE PULL BOX PER REVERSE (U-SHAPED) BEND IN CONDUIT RUN
   d. PULL BOX IS LOCATED IN THE STRAIGHT SECTION OF A CONDUIT
   e. ALL PULL BOXES ARE ACCESSIBLE AND HAVE REMOVABLE COVERS
10. PULL BOXES ARE SHOWN FOR COORDINATION PURPOSES. PROVIDE ADDITIONAL PULL BOXES AS REQUIRED TO MEET TIA STANDARDS.
11. ACCESS PANELS MUST BE PROVIDED FOR CONDUIT PULL BOXES INSTALLED ABOVE INACCESSIBLE CEILINGS. SIZE OF ACCESS PANELS MUST BE EQUAL TO OR GREATER IN SIZE THAN THE REMOVABLE COVER. CONDUIT FROM OUTLETS MUST BE TERMINATED WITHIN 2" OF AN ACCESS PANEL FOR ACCESS.
12. THE MINIMUM BEND RADIUS FOR A CONDUIT THAT IS 2" OR LESS IN DIAMETER SHOULD BE 6 TIMES THE INTERNAL CONDUIT DIAMETER. IF THE CONDUIT IS LARGER THAN 2" THE BEND RADIUS SHOULD BE 10 TIMES THE INTERNAL DIAMETER OF THE CONDUIT.
13. CONDUIT THAT ARE LESS THAN 2" DIAMETER ARE NOT SHOWN.

LEGEND NOTES

1. SYMBOL ORIENTATION DOES NOT IMPLY DEVICE OR EQUIPMENT ORIENTATION, UON.
2. SYMBOL SIZE DOES NOT IMPLY EQUIPMENT SIZE, UON.
3. MOUNTING HEIGHT INDICATED IN LEGEND AND ON SHEETS MUST BE DISTANCE MEASURED FROM CENTER OF DEVICE TO FINISHED FLOOR. MOUNTING HEIGHT FOR CABLE TRAY AND WIRING RACEWAY MUST BE DISTANCE MEASURED FROM BOTTOM OF DEVICE TO FINISHED FLOOR UON.
4. NOT ALL SYMBOLS ON THIS SHEET ARE USED AS PART OF THIS PROJECT.
5. DEVICES AND EQUIPMENT SHOWN IN BOLD MUST BE PROVIDED. ALL DEVICES IN HALF-TONE ARE EXISTING TO REMAIN OR TO BE FURNISHED BY OTHER DISCIPLINE, UON.

DISTRIBUTED ANTENNA SYSTEM GENERAL NOTES

1. PROVIDE ALL WORK DESCRIBED IN THE BID DOCUMENTS UNLESS OTHER WISE NOTED. THESE BID DOCUMENTS INCLUDE THE CONTRACT DRAWINGS, SPECIFICATIONS, AND THE ARCHITECT'S AND THE CONTRACTOR'S GENERAL TERMS AND CONDITIONS.
2. ALL MATERIALS AND WORKMANSHIP MUST CONFORM TO THE AUTHORITY AND ALL APPLICABLE FEDERAL, STATE AND LOCATION REGULATION/ CODES. INCLUDING BUT NOT LIMITED TO:
   a. NATIONAL ELECTRIC CODE (NEC)
   b. NATIONAL FIRE PROTECTION CODE (NFPA)
   c. FEDERAL COMMUNICATIONS COMMISSION (FCC)
   d. INSTITUDE OF ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE)
   e. BUILDING INDUSTRY CONSULTING SERVICES INTERNATIONAL (BICSI)
   f. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)
   g. TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA)
   h. NATIONAL TELECOMMUNICATIONS AND INFORMATION ADMINISTRATION (NTIA).
3. REPORT TO THE OWNER ANY DISCREPANCIES BETWEEN THESE BID DOCUMENTS AND ACTUAL FIELD CONDITIONS OR OTHER TRADE DRAWINGS.
4. DRAWINGS ARE DIAGRAMATIC IN NATURE. THEY DEPICT THE GENERAL ARRANGEMENT OF SYSTEMS AND EQUIPMENT UNLESS OTHERWISE INDICATED BY DIMENSIONS OR DETAIL DRAWINGS. THE DRAWINGS UTILIZE SYMBOLS, RISER, BLOCK AND SINGLE LINE DIAGRAMS TO OUTLINE THE WORK TO BE PROVIDED. THESE DRAWINGS DO NOT DELINEATE EVERY ITEM REQUIRED FOR THE INTENDED WORK. NO INTERPRETATION MUST BE MADE FROM THE LIMITATIONS OF SYMBOLS AND DIAGRAMS THAT ALL ELEMENTS NECESSARY FOR COMPLETE WORK ARE INCLUDED. VERIFY FIELD CONDITIONS BEFORE STARTING THE INSTALLATION.
5. THE SCOPE OF WORK MUST INCLUDE THE INSTALLATION, TESTING AND COMMISSIONING OF ALL OWNER FURNISHED EQUIPMENT, AND THE LABOR DEEMED NECESSARY TO COMPLETE THE WORK AS DESCRIBED HEREIN.
6. THE ERCES MUST BE IMPLEMENTED AS SHOWN ON CONTRACT DRAWINGS WHICH MUST BE USED IN CONJUNCTION WITH THE FUNCTIONS DESCRIBED IN THE SPECIFICATIONS.
7. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS AND ACCEPTED SHOP DRAWINGS.

NGUYEN PEREZ LICENSE No. 72149 STATE OF FLORIDA PROFESSIONAL ENGINEER

1/21/2026

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

DESIGN BY:	ISSUE DATE:
N. PEREZ	JANUARY, 2026
DRAWN BY:	SOLICITATION NO.:
Author	W912HN-26-B-A003
CHECKED BY:	CONTRACT NO.:
C. KLOS	
SUBMITTED BY:	CATEGORY CODE:
N. PEREZ	141-001-401
SIZE:	FILE NAME:
ANSI D	189818 E Central

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

PUBLIC SAFETY DAS LEGEND AND GENERAL NOTES

SHEET ID

TJ001

READY TO ADVERTISE (RTA)

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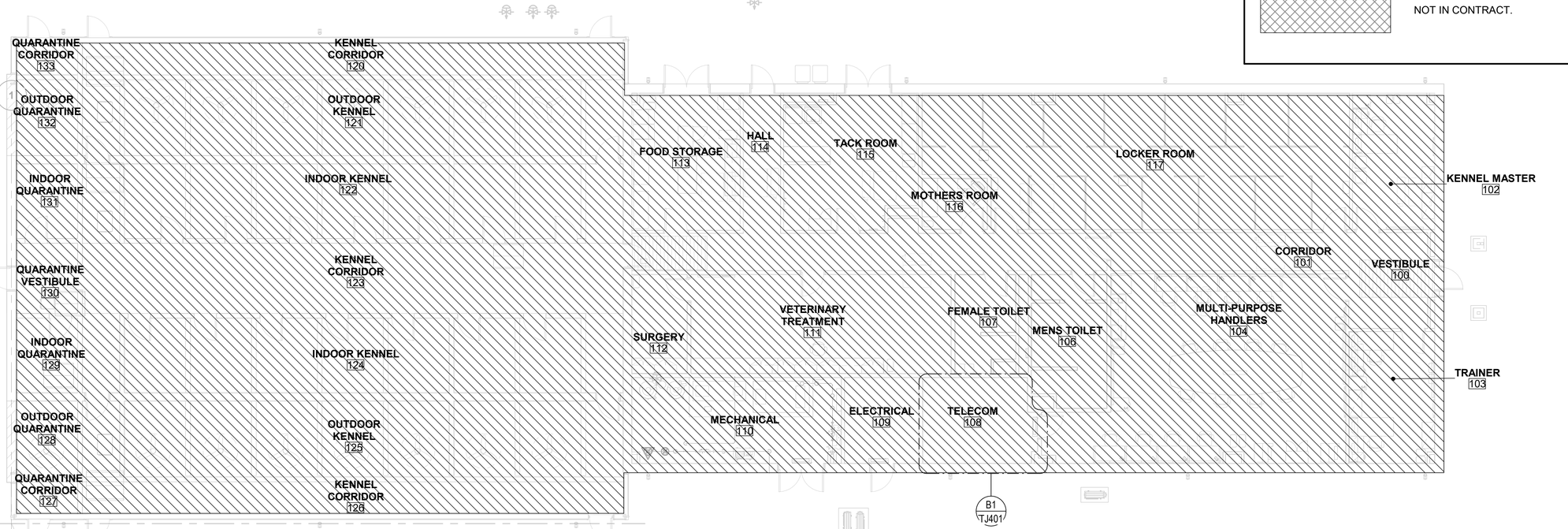
1/21/2026 10:49:14 AM

GENERAL NOTES

1. REFER TO TJ001 FOR PUBLIC SAFETY DAS GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS.
2. CRITICAL AREAS MUST BE PROVIDED WITH A MINIMUM OF 99 PERCENT FLOOR AREA PUBLIC SAFETY RADIO COVERAGE.
3. GENERAL AREA MUST BE PROVIDED WITH A MINIMUM OF 95 PERCENT FLOOR AREA PUBLIC SAFETY RADIO COVERAGE.

LEGEND

- GENERAL AREA COVERAGE
- CRITICAL AREA COVERAGE
- NON-OCCUPIABLE SPACE DAS NOT REQUIRED.
- NOT IN CONTRACT.



A1 PUBLIC SAFETY DAS PLAN - MAIN BUILDING

SCALE: 1/8" = 1'-0"

1/21/2026

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-401
FILE NAME: 189618_E_Central

DESIGN BY: N. PEREZ
DRAWN BY: Author
CHECKED BY: C. KLOS
SUPERVISED BY: S. PEREZ
SIZE: ANSI D

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
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PUBLIC SAFETY PLAN-MAIN BUILDING

SHEET ID
TJ101

READY TO ADVERTISE (RTA)

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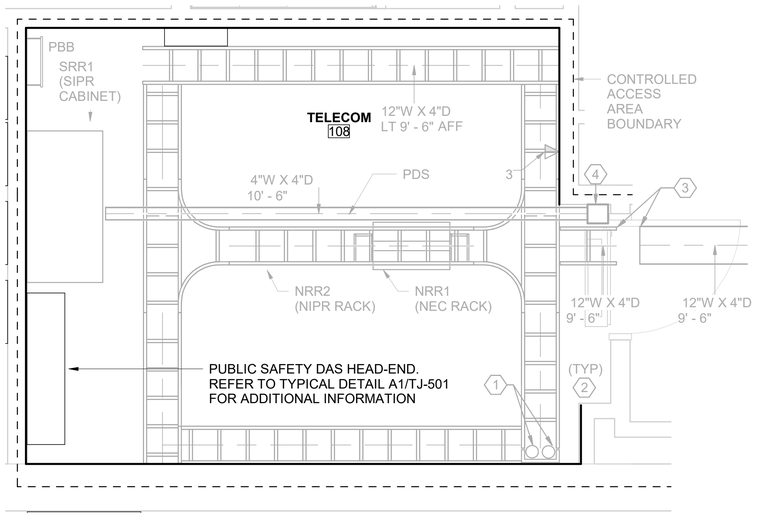
GENERAL NOTES

1. REFER TO TJ001 FOR PUBLIC SAFETY DAS GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS.
2. CRITICAL AREAS MUST BE PROVIDED WITH A MINIMUM OF 99 PERCENT FLOOR AREA PUBLIC SAFETY RADIO COVERAGE.
3. GENERAL AREA MUST BE PROVIDED WITH A MINIMUM OF 95 PERCENT FLOOR AREA PUBLIC SAFETY RADIO COVERAGE.



B1 ENLARGED PUBLIC SAFETY DAS PLAN - COMM ROOM 108

SCALE: 1/2" = 1'-0"

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE:	JANUARY, 2026
SOLICITATION NO.:	W912HN-26-B-A003
CONTRACT NO.:	
DESIGN BY:	N. PEREZ
DRAWN BY:	Author
CHECKED BY:	C. KLOS
SUBMITTED BY:	N. PEREZ
CATEGORY CODE:	141-001-01
FILE NAME:	189618_E_Central
SIZE:	ANSI D

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
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FY25, PN 69262

ENLARGED PUBLIC SAFETY DAS PLAN

NGUYEN PEREZ
LICENSE
No. 72149
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

1/21/2026

SHEET ID

TJ401

READY TO ADVERTISE (RTA)

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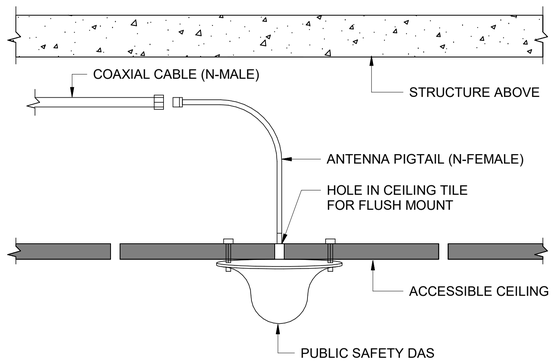
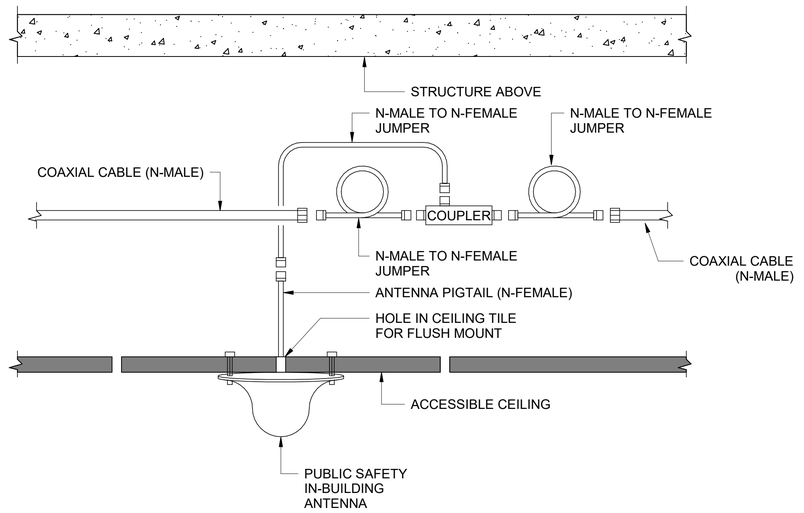


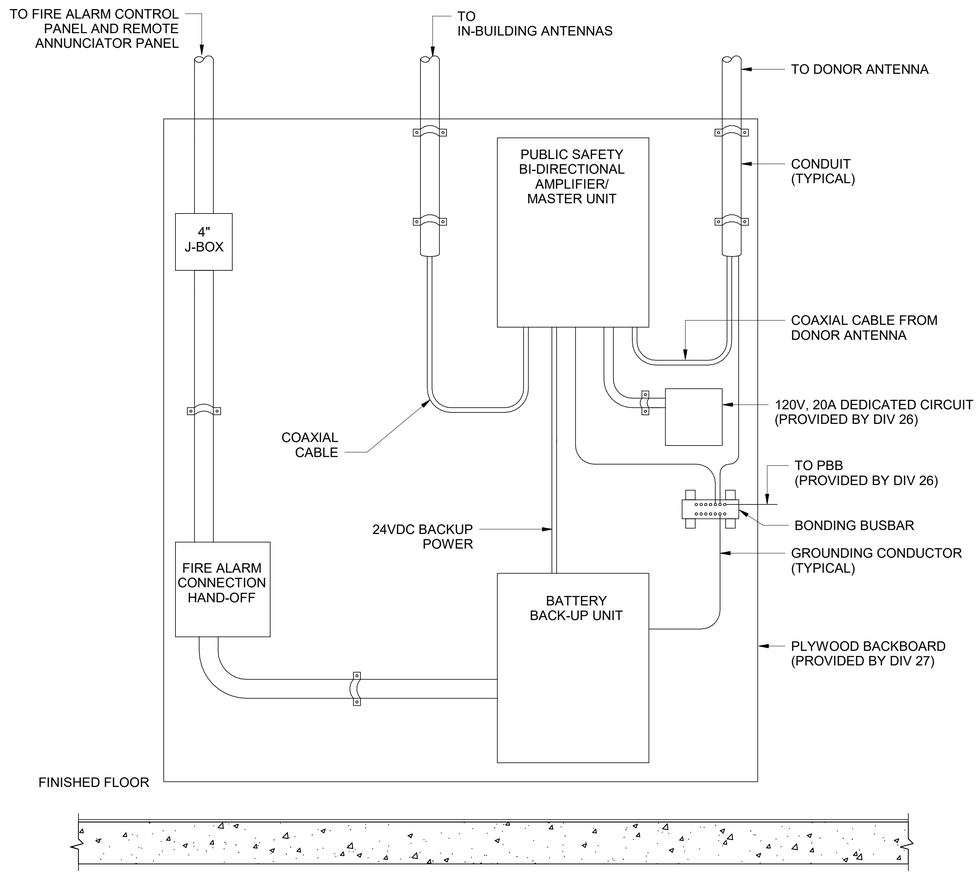
E1 TYPICAL CEILING MOUNTED PUBLIC SAFETY ANTENNA DETAIL

SCALE: 12" = 1'-0"



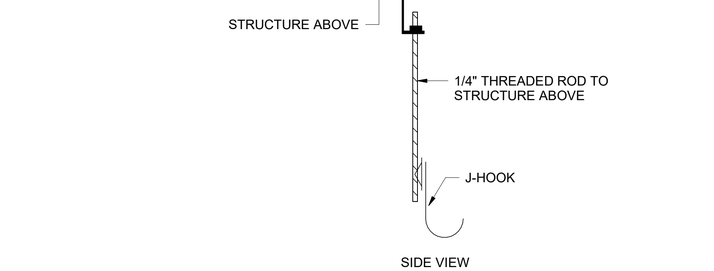
E6 TYPICAL CEILING MOUNTED PUBLIC SAFETY ANTENNA AND COUPLER DETAIL

SCALE: 12" = 1'-0"



A1 PUBLIC SAFETY DAS HEAD-END EQUIPMENT DETAIL

SCALE: 12" = 1'-0"



DETAIL NOTE:

1. CABLE LOADING MUST NOT EXCEED J-HOOK MANUFACTURE'S SPECIFICATIONS.

A6 TYPICAL J-HOOKS DETAIL

SCALE: 12" = 1'-0"

NGUYEN PEREZ LICENSE No. 72149 STATE OF FLORIDA PROFESSIONAL ENGINEER

1/21/2026

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

DESIGN BY:	N. PEREZ
DRAWN BY:	Author
CHECKED BY:	C. KLOS
SUBMITTED BY:	N. PEREZ
SIZE:	ANSI D
ISSUE DATE:	JANUARY, 2026
SOLICITATION NO.:	W912HN-26-B-A003
CONTRACT NO.:	
CATEGORY CODE:	141-001-401
FILE NAME:	189818_E_Central

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
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SAVANNAH, GA 31401-3640

BURNS McDONNELL
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HUNTER ARMY AIRFIELD, GEORGIA
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PUBLIC SAFETY DAS DETAILS

SHEET ID

TJ501

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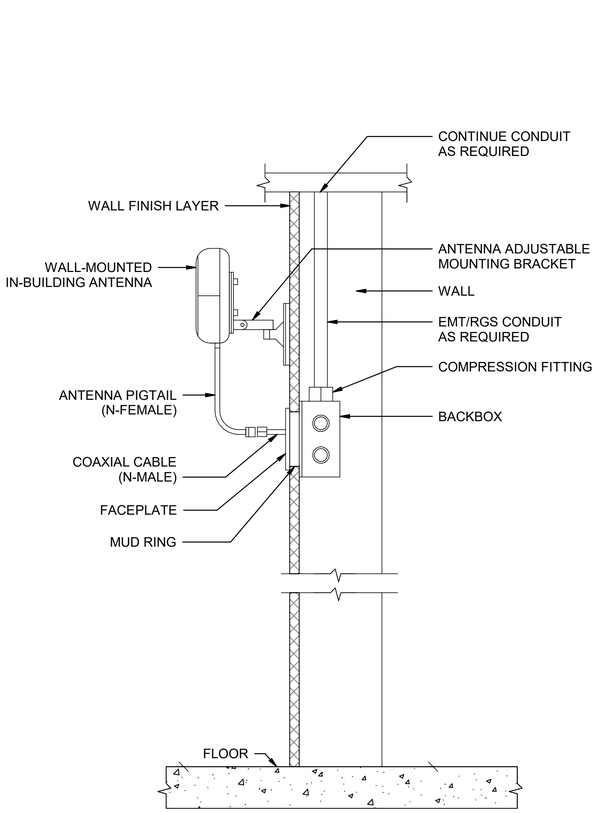
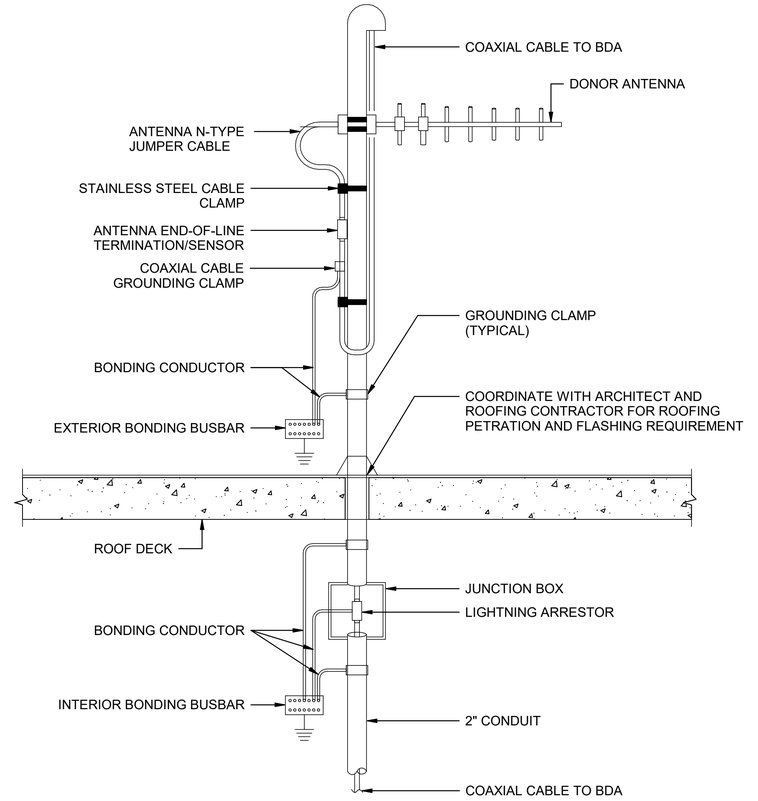


A1 TYPICAL WALL MOUNTED PUBLIC SAFETY ANTENNA DETAIL

SCALE: 12" = 1'-0"



A6 TYPICAL DONOR ANTENNA DETAIL

SCALE: 12" = 1'-0"

NGUYEN PEREZ LICENSE No. 72149 STATE OF FLORIDA PROFESSIONAL ENGINEER

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MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-401
FILE NAME: 139618_E_Central

DESIGN BY: N. PEREZ
DRAWN BY: NP
CHECKED BY: C. KLOS
SUBMITTED BY: N. PEREZ
SIZE: ANSI D

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
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BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
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PUBLIC SAFETY DAS DETAILS

SHEET ID

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READY TO ADVERTISE (RTA)

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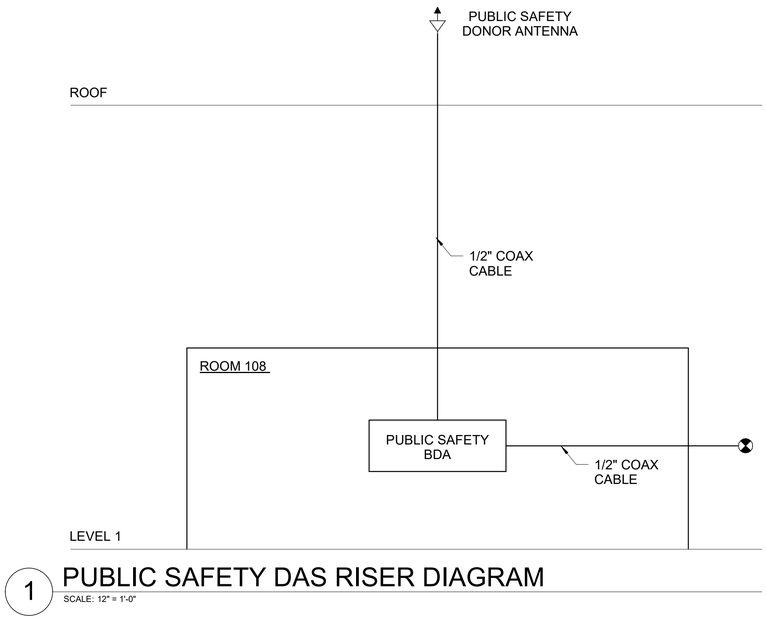

1 PUBLIC SAFETY DAS RISER DIAGRAM

SCALE: 12" = 1'-0"

GENERAL NOTES

1. REFER TO TJ001 FOR PUBLIC SAFETY DAS GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS.
2. CRITICAL AREAS MUST BE PROVIDED WITH A MINIMUM OF 99 PERCENT FLOOR AREA PUBLIC SAFETY RADIO COVERAGE.
3. GENERAL AREA MUST BE PROVIDED WITH A MINIMUM OF 95 PERCENT FLOOR AREA PUBLIC SAFETY RADIO COVERAGE.

LEGEND

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

DESIGN BY: N. PEREZ
DRAWN BY: Author
CHECKED BY: C. KLOS
SUBMITTED BY: N. PEREZ
SIZE: ANSI D
ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-401
FILE NAME: 189618_E_Central

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

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PUBLIC SAFETY PLAN-RISER DIAGRAM

NGUYEN PEREZ LICENSE No. 72149 STATE OF FLORIDA PROFESSIONAL ENGINEER

1/21/2026

SHEET ID

TJ701

READY TO ADVERTISE (RTA)

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GENERAL NOTES

1. SEE SHEET SHEET T-001 AND T-002 FOR TELECOMMUNICATIONS SHEET NOTES, LEGEND, AND ABBREVIATIONS.
2. FIELD VERIFY EXISTING EQUIPMENT LOCATIONS. EXISTING EQUIPMENT AND DEVICES SHOWN ARE BASED ON CASUAL FIELD OBSERVATION. VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK. DEVICES AND CONDITIONS DISCOVERED DURING CONSTRUCTION MUST BE INDICATED ON THE AS-BUILT DRAWINGS BY THE CONTRACTOR.
3. DUCT ROUTES SHOWN ARE INDICATIVE ONLY AND SHOULD BE DEVELOPED TO PROVIDE A COMPREHENSIVE SYSTEM.

SHEET KEYNOTES

1. COORDINATE DUCTBANK STUB UP LOCATION WITH ARMAG.
2. ROUTE CONDUIT AND COMMUNICATION CABLING TO COMMUNICATION CABINETS AND RACKS IN ROOM 108, AS INDICATED.
3. CONDUIT FOR PIV MONITORING. PROVIDE PULL-STRING AND COORDINATE WITH FIRE PROTECTION CONTRACTOR.
4. SEE DETAIL A1/ES504

N. PERIMETER RD.

STEPHEN DOUGLAS ST.

SPRINGFIELD CANAL

25' STATE STREAM BUFFER

COMM HH

MWD KENNEL FACILITY
FFE: 18.0

KENNEL FINISHED FLOOR ELEVATION
VARIES, SEE STRUCTURAL

STORAGE
FFE: 17'-8"

BREAK KENNELS
FFE VARIES, SEE STRUCTURAL

PEDESTAL MOUNTED
INTERCOM (GFGI)

ELEC MH
(UNABLE TO OPEN)

MH-35

EXTEND DUCTBANK
TO MANHOLE 34

A1 TS501 · A6 ES401 · A1 ES401 · B5 TS501 · B3 TS501 · C1 TS501 · A5 TS501 · A7 TS501 · B7 TS501 · C3 TS501

A1 TELECOMMUNICATIONS SITE PLAN

SCALE: 1" = 30'-0"

PLAN NORTH

0 30' 60'

NGUYEN PEREZ LICENSE No. 72149 STATE OF FLORIDA PROFESSIONAL ENGINEER

1/21/2026

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY:	H. DAS
DRAWN BY:	H. DAS
CHECKED BY:	C. KLOS
SUBMITTED BY:	N. PEREZ
SIZE:	ANSI D
ISSUE DATE:	JANUARY 2026
SOLICITATION NO.:	W912HN-26-B-A003
CONTRACT NO.:	
CATEGORY CODE	141-26
FILENAME:	143139_TS101.dwg

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVENUE
SAVANNAH, GA 31401-3940

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER army AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN: 69262

TELECOMMUNICATIONS SITE PLAN

SHEET ID
TS101

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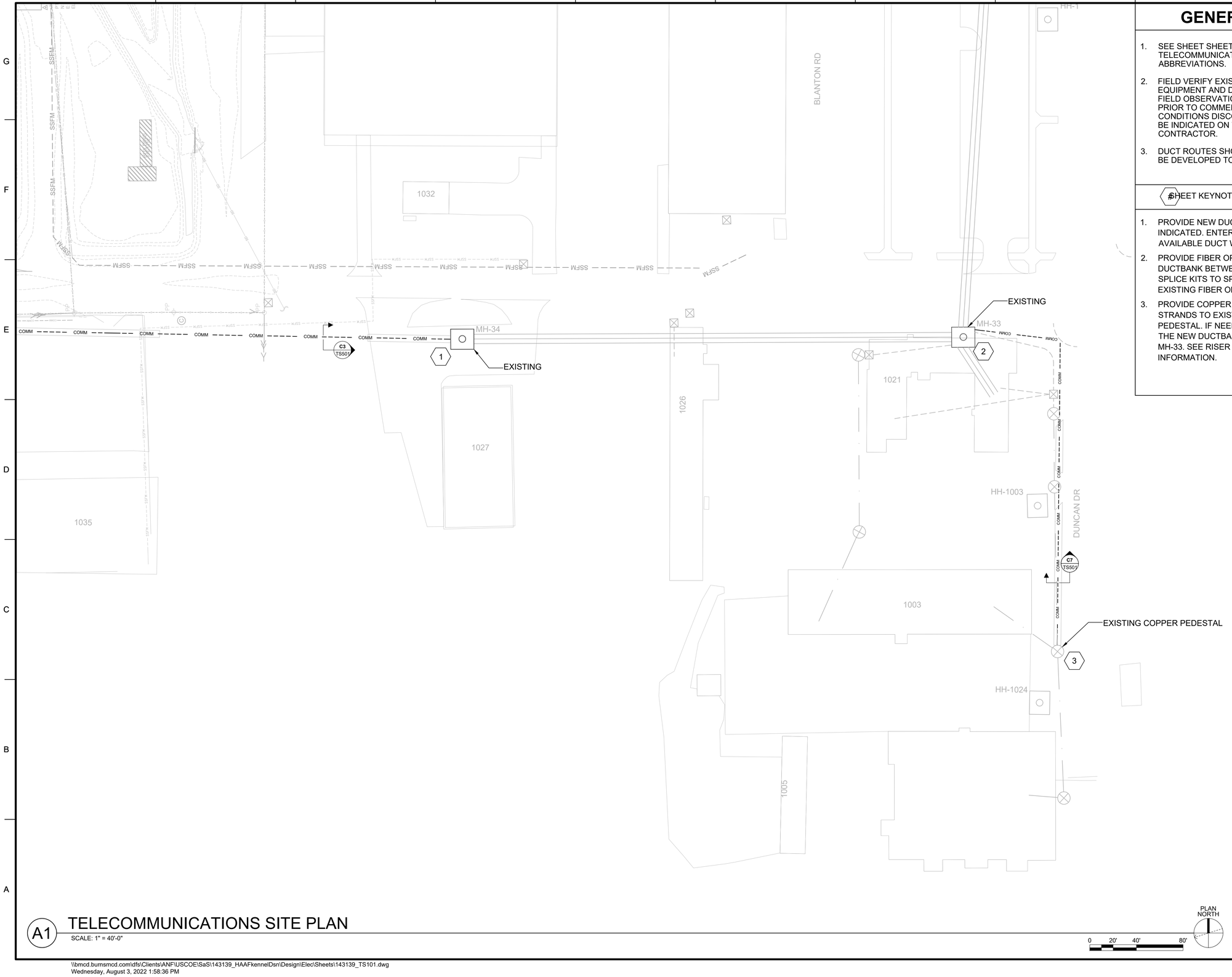
Wednesday, August 3, 2022 1:58:36 PM

GENERAL NOTES

1. SEE SHEET SHEET T-001 AND T-002 FOR TELECOMMUNICATIONS SHEET NOTES, LEGEND, AND ABBREVIATIONS.
2. FIELD VERIFY EXISTING EQUIPMENT LOCATIONS. EXISTING EQUIPMENT AND DEVICES SHOWN ARE BASED ON CASUAL FIELD OBSERVATION. VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK. DEVICES AND CONDITIONS DISCOVERED DURING CONSTRUCTION MUST BE INDICATED ON THE AS-BUILT DRAWINGS BY THE CONTRACTOR.
3. DUCT ROUTES SHOWN ARE INDICATIVE ONLY AND SHOULD BE DEVELOPED TO PROVIDE A COMPREHENSIVE SYSTEM.

#SHEET KEYNOTES

1. PROVIDE NEW DUCTBANK FROM MH-34 TO MH-35 AS INDICATED. ENTER AND EXIT MH-34 AT THE LOWEST AVAILABLE DUCT WINDOWS.
2. PROVIDE FIBER OPTIC CABLE AND COPPER IN EXISTING DUCTBANK BETWEEN MH-33 AND MH-34. PROVIDE FIBER SPLICE KITS TO SPLICE NEW FIBER OPTIC CABLE TO EXISTING FIBER OPTIC CABLE.
3. PROVIDE COPPER SPLICE KIT TO SPLICE NEW COPPER STRANDS TO EXISTING COPPER STRANDS AT COPPER PEDESTAL. IF NEEDED, CORE DRILL MH-33 TO INTERCEPT THE NEW DUCTBANK BETWEEN COPPER PEDESTAL AND MH-33. SEE RISER DIAGRAM ON SHEET TN701 FOR MORE INFORMATION.



A1 TELECOMMUNICATIONS SITE PLAN

SCALE: 1" = 40'-0"

PLAN NORTH

0 20' 40' 80'

NGUYEN PEREZ LICENSED No. 72149 STATE OF FLORIDA PROFESSIONAL ENGINEER

1/21/2026

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE

DESIGNED BY: H. DAS	ISSUE DATE: JANUARY, 2026
DRAWN BY: H. DAS	SOLICITATION NO.: W912HN-26-B-A003
CHECKED BY: C. KLOS	CONTRACT NO.:
SUBMITTED BY: N. PEREZ	CATEGORY CODE 141-26
SIZE: ANSI D	FILENAME: 143139_TS101.dwg

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVENUE
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER army AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN: 69262

TELECOMMUNICATIONS SITE PLAN

SHEET ID
TS102

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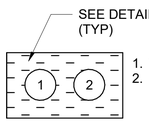
Wednesday, August 3, 2022 1:58:36 PM

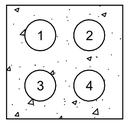
GENERAL NOTES

1. REFER TO DRAWINGS E-001 AND E-002 FOR ADDITIONAL NOTES, ABBREVIATIONS, AND LEGENDS.
2. SEE ES SERIES SHEETS FOR SITE PLAN ROUTING OF ELECTRICAL DUCTBANKS.
3. SAWCUT EXISTING CONCRETE WALKWAYS FOR DIRECT BURIAL OF CONDUITS, UON. REPAIR ALL CONCRETE DAMAGED DURING INSTALLATION PROCESS.
4. PROVIDE CONCRETE ENCASED DUCTBANK WHERE CONDUIT RUNS UNDER ROADWAY, DRIVEWAY, OR PARKING LOTS. CONCRETE MUST EXTEND A MINIMUM OF 5 FEET BEYOND ROADWAY OR DRIVEWAY. REFER TO CIVIL UTILITY DETAILS FOR PAVING REMOVAL AND REPLACEMENT.



1. VEHICLE GATE COMM, 2" C.
2. PEDESTRIAN GATE COMM, 2" C.

C1 COMM DUCTBANK
SCALE:NTS



1. FIBER, 4"C WITH (1) 4" 3-CELL FABRIC INNERDUCTS.
2. COPPER TO MH-35, 4" C.
3. SPARE
4. SPARE

C3 COMM DUCTBANK
SCALE:NTS

1. LOOP COMM, 2" C.

C5 COMM DUCTBANK
SCALE:NTS

1. COPPER PEDESTAL TO MH-33, 4" C.

C7 COMM DUCTBANK
SCALE:NTS

1. PEDESTRIAN GATE COMM, 2" C.

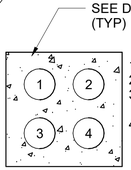
B1 COMM DUCTBANK
SCALE:NTS

1. VEHICLE GATE COMM, 2" C.

B3 COMM DUCTBANK
SCALE:NTS

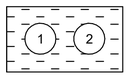
1. SECURITY CAMERA COMM, 2" C.

B5 COMM DUCTBANK
SCALE:NTS



1. SECURITY CAMERA COMM, 2" C.
2. SECURITY CAMERA COMM, 2" C.
3. FIBER, 4"C WITH (1) 4" 3-CELL FABRIC INNERDUCTS.
4. COPPER TO MH-35, 4" C.

B7 COMM DUCTBANK
SCALE:NTS

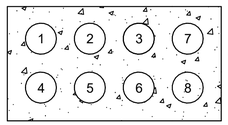


1. MANUAL GATE INTERCOM, 2" C.
2. SECURITY CAMERA COMM, 2" C.

A1 COMM DUCTBANK
SCALE:NTS

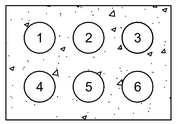
1. MANUAL GATE INTERCOM, 2" C.

A3 COMM DUCTBANK
SCALE:NTS



1. VEHICLE GATE COMM, 2" C.
2. SECURITY CAMERA COMM, 2" C.
3. SECURITY CAMERA COMM, 2" C.
4. PEDESTRIAN GATE COMM, 2" C.
5. FIBER, 4"C WITH (1) 4" 3-CELL FABRIC INNERDUCTS.
6. COPPER TO MH-35, 4" C.
7. MANUAL GATE INTERCOM, 2" C.
8. SPARE, 2"C.

A5 COMM DUCTBANK
SCALE:NTS



1. VEHICLE GATE COMM, 2" C.
2. SECURITY CAMERA COMM, 2" C.
3. SECURITY CAMERA COMM, 2" C.
4. PEDESTRIAN GATE COMM, 2" C.
5. FIBER, 4"C WITH (1) 4" 3-CELL FABRIC INNERDUCTS.
6. COPPER TO MH-35, 4" C.

A7 COMM DUCTBANK
SCALE:NTS

NGUYEN PEREZ
LICENSE
No. 72149
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

1/21/2026

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE:	JANUARY, 2026
SOLICITATION NO.:	W912HN-26-B-A003
CONTRACT NO.:	
CATEGORY CODE:	141-001-401
FILE NAME:	189618_E_Central
SIZE:	ANSI D
DESIGN BY:	H. DAS
DRAWN BY:	H. DAS
CHECKED BY:	C. KLOS
SUBMITTED BY:	N. PEREZ

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY'25, PN 69262

TELECOMMUNICATIONS SITE DETAILS

SHEET ID
TS501

READY TO ADVERTISE (RTA)

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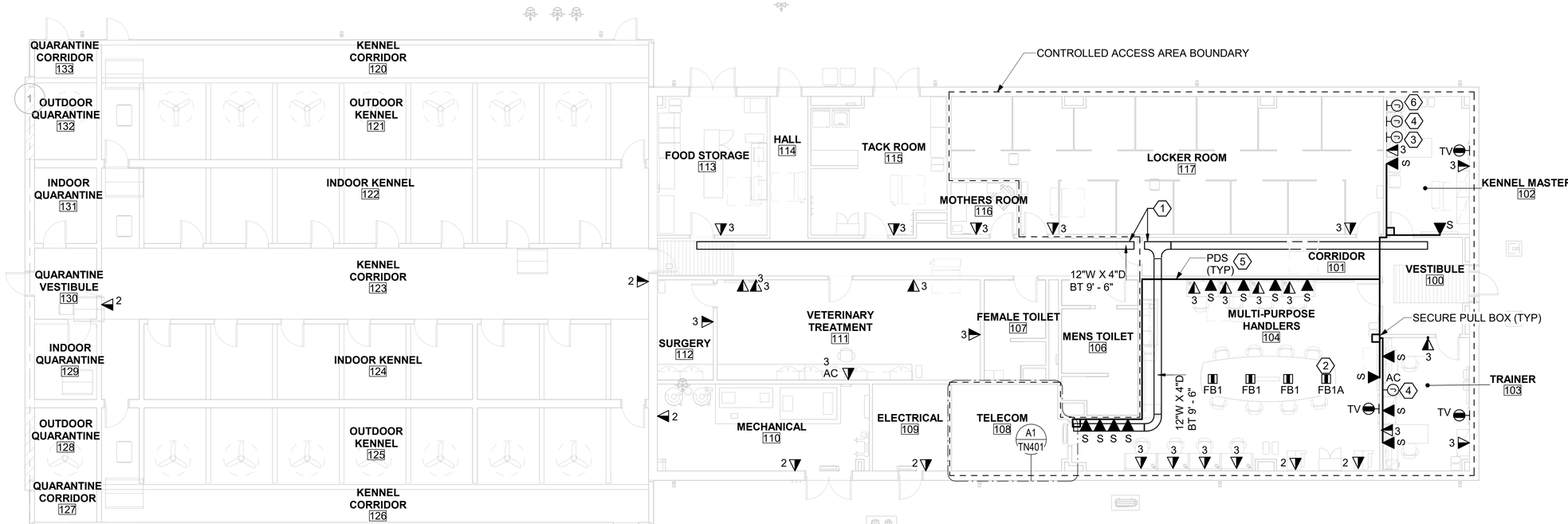
GENERAL NOTES

1. SEE SHEET T-001 AND T-002 FOR TELECOMMUNICATIONS LEGEND AND ABBREVIATIONS
2. SEE SHEET TN502 FOR FLOOR BOX DETAILS AND TN501 FOR FACEPLATE INFORMATION.
3. FOR DISTRIBUTION FROM TELECOM ROOM TO WORK AREA NIPR DATA OUTLETS, PROVIDE MESH CABLE TRAY.
4. PROVIDE A PULL BOX FOR THE SECURE RACEWAY EVERY (2) 90 DEGREE BENDS.

(#) SHEET KEYNOTES

1. PENETRATE CONTROLLED ACCESS AREA BOUNDARY WITH FIRESTOP PATHWAY BEFORE CONTINUING NIPR NETWORK IN CABLETRAY. SEE DETAIL C8/TN505.
2. ROUTE (1) 2"C AND PULL ROPE FROM TB FACE PLATE IN SAME ROOM TO FLOOR BOX (BELOW SLAB).
3. PROVIDE PUBLIC ADDRESS TRANSMITTER AT KENNEL MASTER DESK. ROUTE (1) 2"C WITH PULL ROPE AND UTILIZE CABLE TRAY WHERE FEASIBLE FROM TRANSMITTER TO PUBLIC ADDRESS HEAD END EQUIPMENT IN TELECOMMUNICATION ROOM.
4. ROUTE (1) 2"C AND PULL ROPE FROM JUNCTION BOX TO TV FACE PLATE IN THE SAME ROOM.
5. PROTECTED DISTRIBUTION SYSTEM (PDS) MUST BE ONE FOOT BELOW CEILING. ROUTE SECURE RACEWAY FROM TELECOMMUNICATION ROOM TO SECURE DATA OUTLETS. MOUNT SECURE OUTLETS AT 72".
6. ROUTE (1) 2"C AND PULL ROPE FROM ROOM 102 TO TELECOMMUNICATION ROOM FOR EXTERIOR GATE INTERCOM.



A1 TELECOMMUNICATIONS PLAN - MAIN BUILDING

SCALE: 1/8" = 1'-0"

PLAN NORTH

0 4' 8' 16'

NGUYEN PEREZ LICENSE No. 72149 STATE OF FLORIDA PROFESSIONAL ENGINEER

1/21/2026

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

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CONTRACT NO.:
CATEGORY CODE: 141-001-401
FILE NAME: 139618_E_Central
DESIGN BY: H. DAS
DRAWN BY: H. DAS
CHECKED BY: C. KLOS
SUPERVISED BY: N. PEREZ
SIZE: ANSI D

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY25, PN 69262

TELECOMMUNICATIONS PLAN

SHEET ID

TN101

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GENERAL NOTES

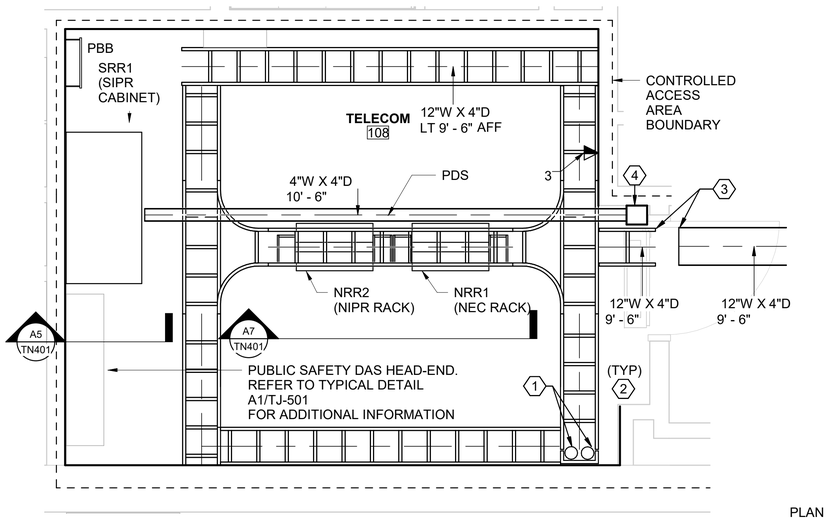
1. SEE SHEET T-001 FOR TELECOMMUNICATIONS LEGEND AND ABBREVIATIONS.
2. SEE SHEET TN501 FOR FACEPLATE INFORMATION. SEE SHEET TN502 FOR THE FLOOR BOX DETAILS.
3. PROVIDE LADDER CABLE TRAY SYSTEMS FOR ROUTING OF COMMUNICATION CABLES IN TELECOMMUNICATION ROOM.
4. PROVIDE A SECURE RACEWAY SYSTEM FOR CABLE DISTRIBUTION TO SECURE OUTLETS WITHIN WORK AREAS.

⟨#⟩ SHEET KEYNOTES

1. SEE D1/TN503
2. PROVIDE FIRE RATED PLYWOOD. SEE D1/TN503
3. PENETRATE TELECOMMUNICATION ROOM WITH FIRESTOP PATHWAY. SEE DETAIL C8/TN505.
4. PROVIDE FITTINGS TO TRANSITION ELEVATION OF THE SECURE RACEWAY FROM 8'-0" TO 10'-3".

COMMUNICATIONS RACK MOUNTED EQUIPMENT

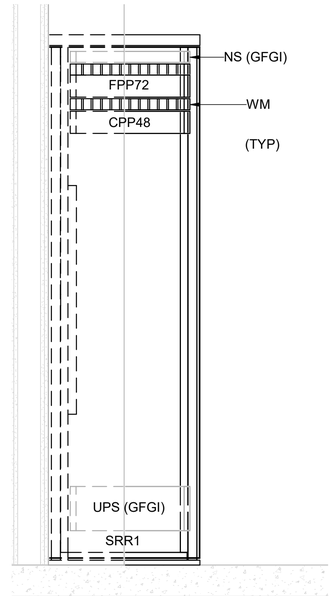
EQUIP IDENTIFIER	DESCRIPTION
C110	RACK MOUNTED 110 BLOCK
CPP48	48 PORT CATEGORY 6 PATCH PANEL
FPP72	72 PORT FIBER ENCLOSURE SC DUPLEX ADAPTERS
VPP48	48 PORT CATEGORY 6 PATCH PANEL (VOICE)
WM	HORIZONTAL CABLE MANAGER
NS (GFGI)	NETWORK SWITCH (GFGI)
PAHE (GFGI)	PUBLIC ADDRESS HEADEND EQUIPMENT (GFGI)
SR (GFGI)	SERVICE ROUTER (GFGI)
UPS (GFGI)	ACTIVE EQUIPMENT (GFGI)



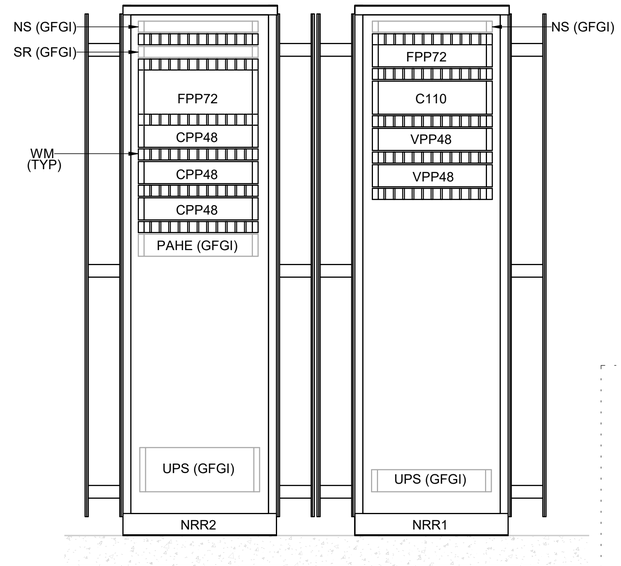
PLAN NORTH

0 1' 2' 4'

A1 ENLARGED TELECOMMUNICATIONS PLAN - 108
SCALE: 1/2" = 1'-0"



A5 ELEVATION - SIPR CABINET
SCALE:NTS



A7 ELEVATION - NIPR AND NEC RACKS
SCALE:NTS

NGUYEN PEREZ LICENSE No. 72149 STATE OF FLORIDA PROFESSIONAL ENGINEER

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US Army Corps of Engineers ®

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DESIGN BY: H. DAS
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CHECKED BY: C. KLOS
SUBMITTED BY: N. PEREZ
SIZE: ANSI D

U.S. ARMY CORPS OF ENGINEERS
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SAVANNAH, GA 31401-3640

BURNS McDONNELL
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ENLARGED TELCOMMUNICATIONS PLAN

SHEET ID
TN401

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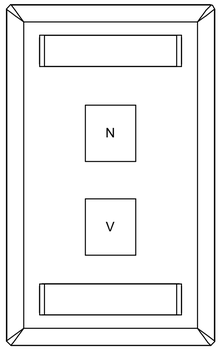
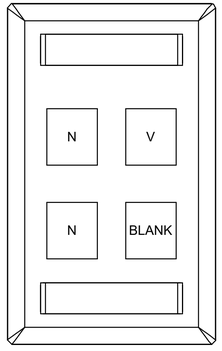


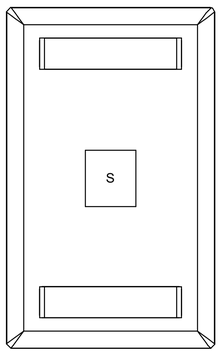
2 COMMUNICATIONS WALL FACEPLATE

D1 COMM OUTLET TYPE 2
SCALE:NTS



3 COMMUNICATIONS WALL FACEPLATE

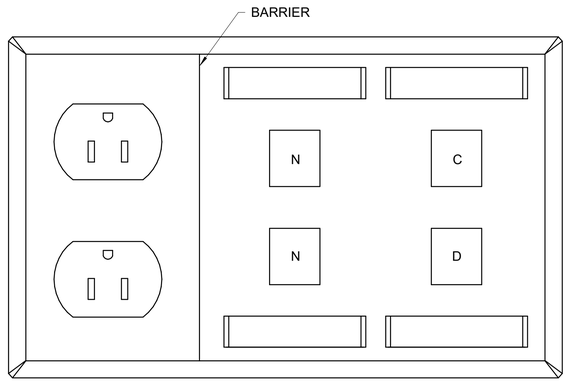
D4 COMM OUTLET TYPE 3
SCALE:NTS



S SECURE DATA FACEPLATE

NOTE:
PROVIDE WITH DROP BOX ENCLOSURE,
SEE TN503

A1 COMM OUTLET TYPE S
SCALE:NTS



TV POWER / COMMUNICATIONS WALL FACEPLATE

NOTE:
MOUNT AT 54" AFF UON.

A4 POWER/TV OUTLET TYPE TV
SCALE:NTS

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DESIGN BY: H. DAS	ISSUE DATE: JANUARY, 2026
DRAWN BY: H. DAS	SOLICITATION NO.: W912HN-26-B-A003
CHECKED BY: C. KLOS	CONTRACT NO.:
SUBMITTED BY: N. PEREZ	CATEGORY CODE: 141-001-401
SIZE: ANSI D	FILE NAME: 189618_E_Central

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

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9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY'25, PN 69262

TELECOMMUNICATIONS DETAILS - 1

SHEET ID

TN501

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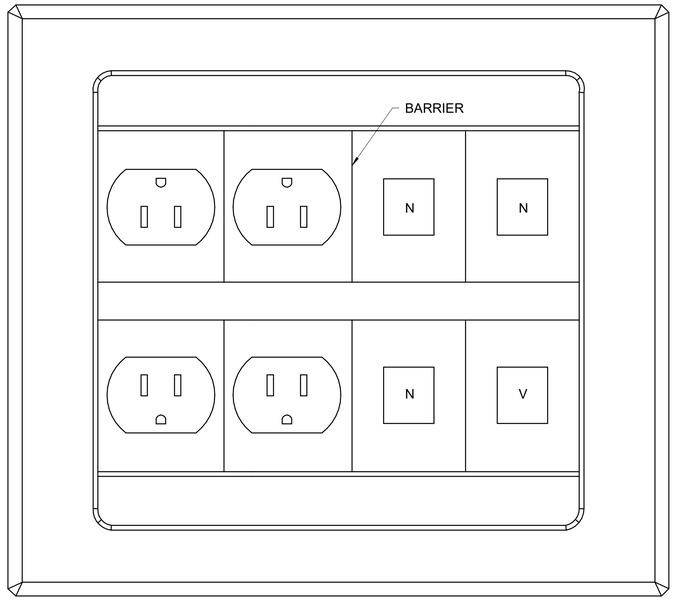
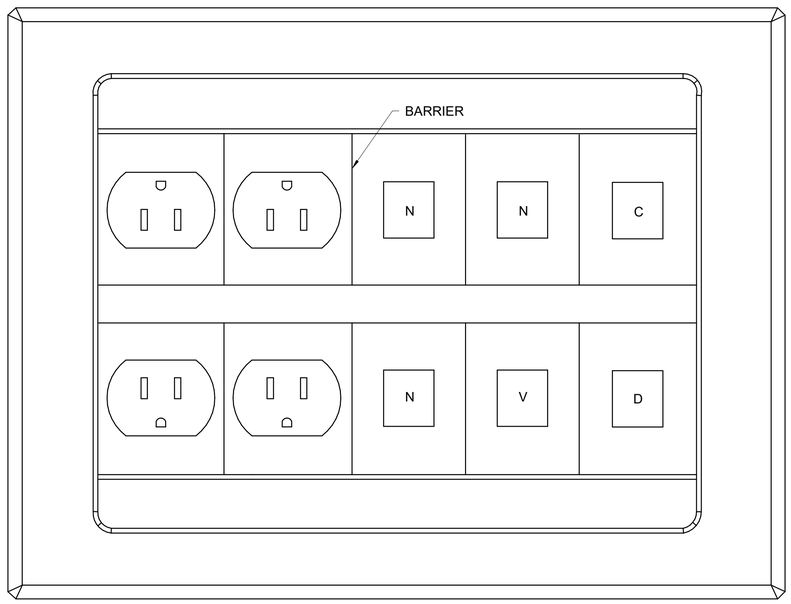


FB1 FLOORBOX WITH COMMUNICATIONS FACEPLATE

D1 FLOOR BOX TYPE FB1

SCALE:NTS



FB1A FLOORBOX WITH COMMUNICATIONS FACEPLATE

A1 FLOOR BOX TYPE FB1A

SCALE:NTS

COMMUNICATIONS - MODULAR JACK AND CABLING FACEPLATE INFORMATION SCHEDULE

APPEARANCE	DESIGNATOR	MODULAR JACK	COLOR	CABLING	COLOR	NOTES
	N	CAT 6A RJ-45 NON-KEYED DATA	GREEN	4-PAIR CATEGORY 6 UTP	GREEN	
	V	CAT 6A RJ-45 NON-KEYED VOICE	WHITE	4-PAIR CATEGORY 6 UTP	WHITE	
	S	CAT 6A RJ-45 NON-KEYED SECURED	RED	4-PAIR CATEGORY 6 UTP	RED	
	C	VGA	BLACK	FURNISHED BY OTHERS	BLACK	PROVIDE FACEPLATE THAT CAN ACCOMODATE VGA MODULAR JACK.
	D	HDMI	BLACK	FURNISHED BY OTHERS	BLACK	PROVIDE FACEPLATE THAT CAN ACCOMODATE HDMI MODULAR JACK.

A5 COMM OUTLET SCHEDULE

SCALE:NTS

NGUYEN PEREZ LICENSE No. 72149 STATE OF FLORIDA PROFESSIONAL ENGINEER

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MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY, 2026
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CONTRACT NO.:
CATEGORY CODE: 141-001-401
FILE NAME: 139618_E_Central

DESIGN BY: H. DAS
DRAWN BY: H. DAS
CHECKED BY: C. KLOS
SUBMITTED BY: N. PEREZ
SIZE: ANSI D

U.S. ARMY CORPS OF ENGINEERS
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SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
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FY25, PN 69262

TELECOMMUNICATIONS DETAILS - 2

SHEET ID
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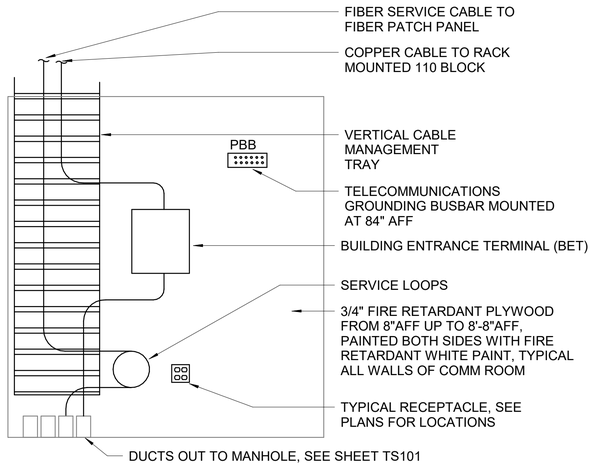
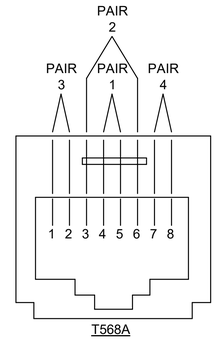


D1 TYPICAL CABLE ENTRANCE

SCALE:NTS

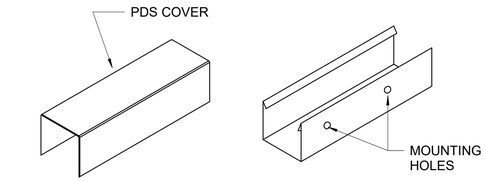


T568A

PAIR ID	PIN #
T1	5
R1	4
T2	3
R2	6
T3	1
R3	2
T4	7
R4	8

D5 TYPICAL MODULAR PLUG PIN OUT, T568A

SCALE:NTS



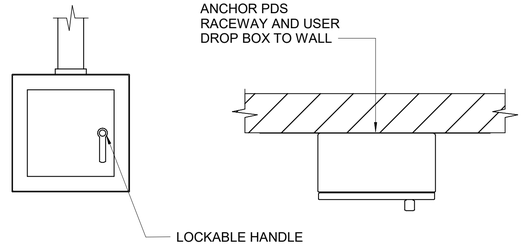
TOP CAP RACEWAY

NOTES:

1. MAINTAIN MINIMUM 2" SEPARATION FROM ANY NIPR, EFL, AND VOICE NETWORK CABLING.
2. PDS MUST BE MOUNTED MINIMUM 1/2" FROM WALL, SEE SPECIFICATION FOR MORE INFORMATION.

F7 PDS RACEWAY

SCALE:NTS

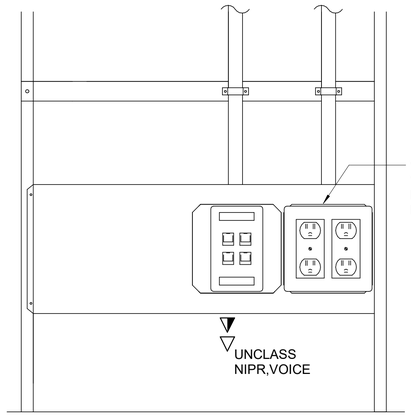


NOTES:

1. FOR VISUAL INSPECTION, DEVICE SHALL BE WALL MOUNTED AT 6'-0" UON.

D7 PDS USER DROP BOX ENCLOSURE ELEVATION

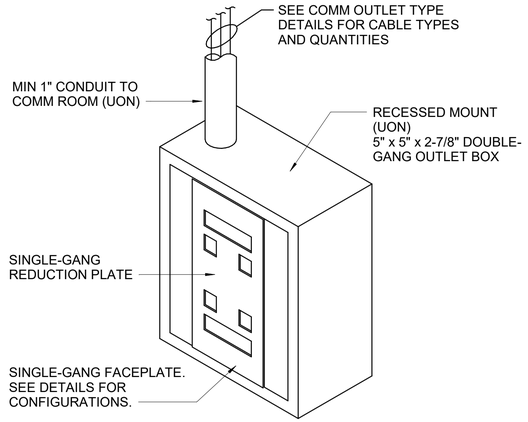
SCALE:NTS



NOTE:
MAINTAIN MINIMUM 2" SEPARATION BETWEEN SECURED AND UNCLASS COPPER CABLING

A1 TYPICAL WALL DEVICE ROUGH IN

SCALE:NTS

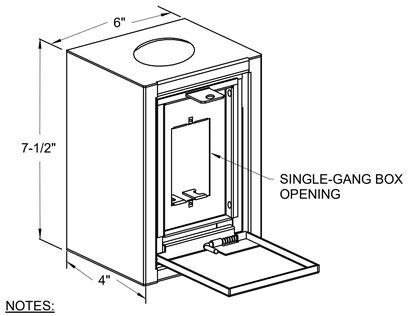


NOTES:

1. MOUNT OUTLET BOX AT 18" AFF (UON).

A5 TYPICAL COMMUNICATIONS BACKBOX

SCALE:NTS



NOTES:

1. 16-GAUGE GALVINIZED STEEL.
2. SINGLE DROP DOWN DOOR WITH SECURITY PADLOCK HASP.
3. TAMPER RESISTANT.
4. FOR VISUAL INSPECTION, ENCLOSURE TO SHALL BE WALL MOUNTED AT 6'-0" AFF UON.

A7 PDS USER DROP BOX ENCLOSURE

SCALE:NTS

NGUYEN PEREZ LICENSE No. 72149 STATE OF FLORIDA PROFESSIONAL ENGINEER

1/21/2026

US Army Corps of Engineers ®

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CONTRACT NO.:
CATEGORY CODE: 141-001-401
FILE NAME: 189818_E_Central
SIZE: ANSI D

DESIGN BY: H. DAS
DRAWN BY: H. DAS
CHECKED BY: C. KLOS
SUBMITTED BY: N. PEREZ

U.S. ARMY CORPS OF ENGINEERS
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100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
SOF MILITARY WORKING DOG KENNEL
FY'25, PN 69262

TELECOMMUNICATIONS DETAILS - 3

SHEET ID
TN503

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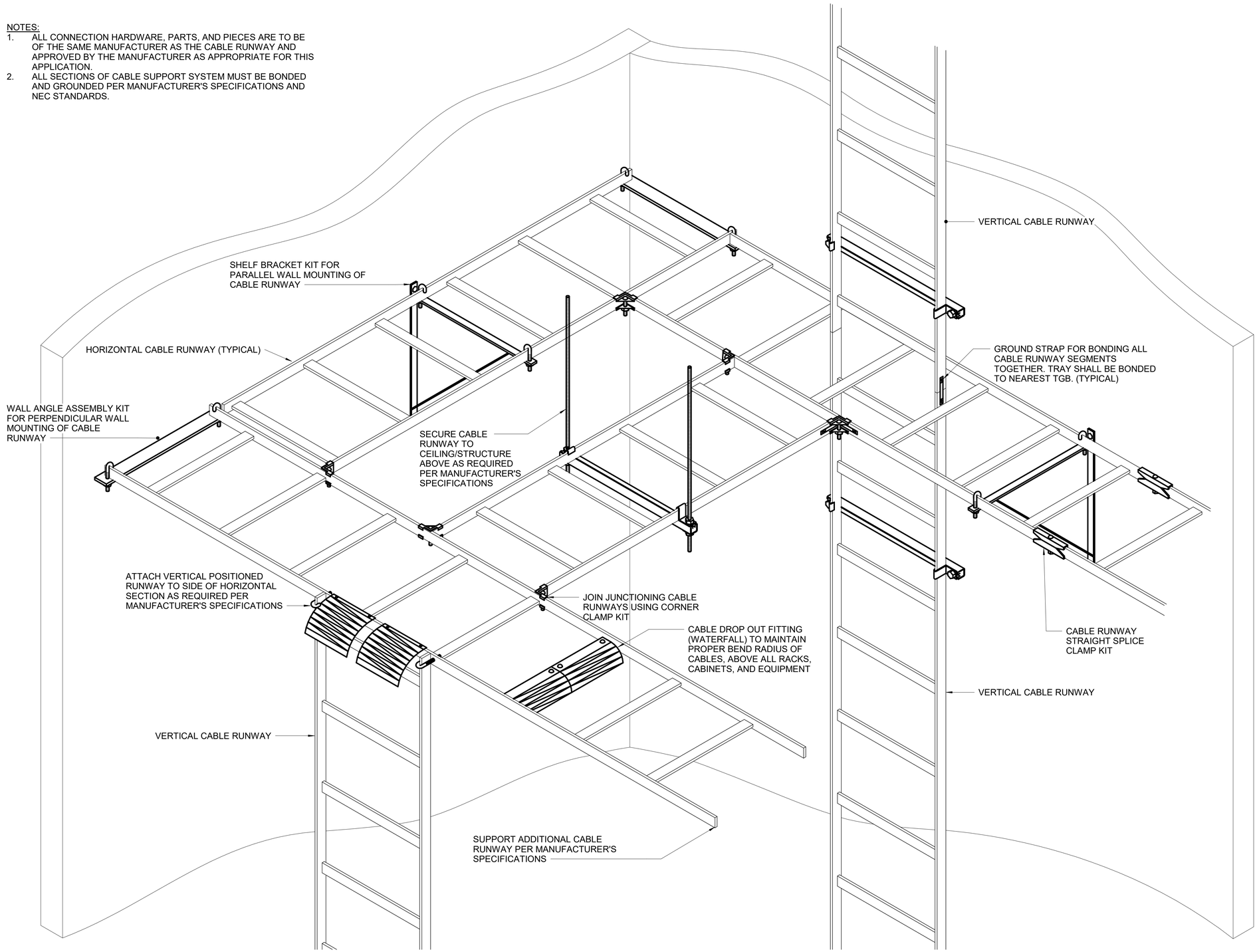
NOTES:
1. ALL CONNECTION HARDWARE, PARTS, AND PIECES ARE TO BE OF THE SAME MANUFACTURER AS THE CABLE RUNWAY AND APPROVED BY THE MANUFACTURER AS APPROPRIATE FOR THIS APPLICATION.
2. ALL SECTIONS OF CABLE SUPPORT SYSTEM MUST BE BONDED AND GROUNDED PER MANUFACTURER'S SPECIFICATIONS AND NEC STANDARDS.



A1 TYPICAL CABLE RUNWAY CONNECTION DETAIL
SCALE:NTS

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MARK	DESCRIPTION	DATE

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CATEGORY CODE:	141-001-401
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SUBMITTED BY:	N. PEREZ

U.S. ARMY CORPS OF ENGINEERS
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SAVANNAH, GA 31401-3640

BURNS McDONNELL
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SOF MILITARY WORKING DOG KENNEL
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TELECOMMUNICATIONS DETAILS - 4

NGUYEN PEREZ LICENSE No. 72149 STATE OF FLORIDA PROFESSIONAL ENGINEER

1/21/2026

SHEET ID
TN504

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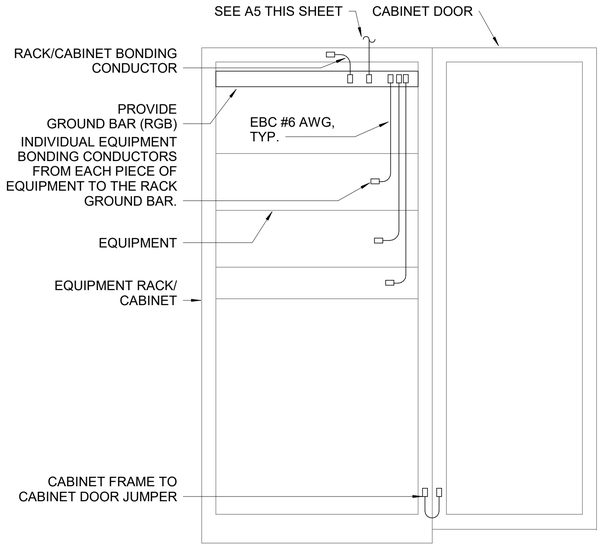
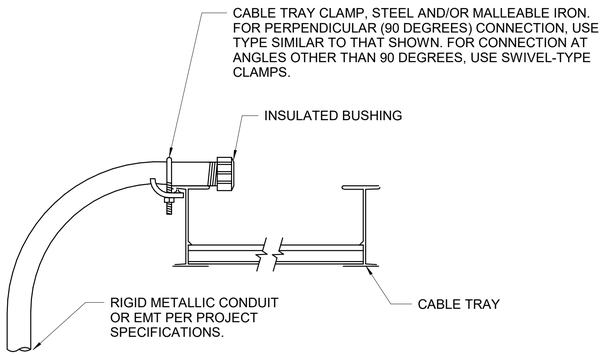


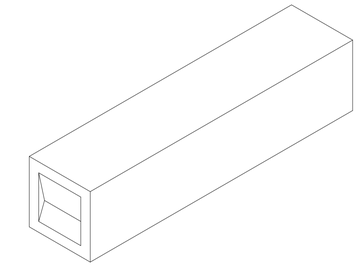
C1 TYPICAL RACK/CABINET EQUIPMENT TO RGB GROUND CONDUCTOR DETAIL

SCALE:NTS

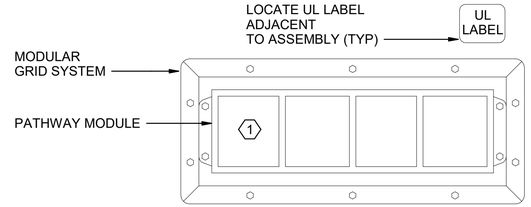


C5 TYPICAL CONDUIT TO CABLE TRAY

SCALE:NTS



SINGLE MODULE



SAMPLE 4-GANG

NOTES:

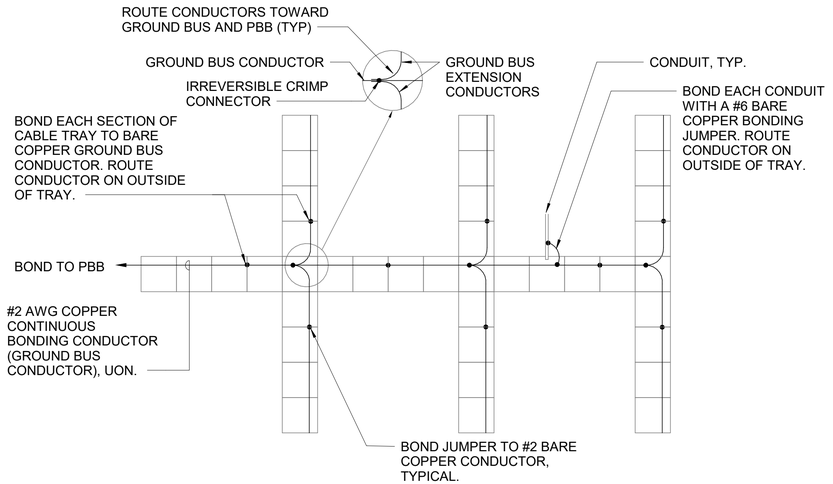
1. INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. PART NUMBERS LISTED FOR REFERENCE AND MAY NOT REPRESENT ALL REQUIRED COMPONENTS FOR A COMPLETE INSTALLATION. SEE SPECIFICATIONS.
3. SHALL BE UL LISTED AS A 2 HOUR FIRE RATED ASSEMBLY.
4. MINIMUM STC RATING OF 50. STC TESTING FOR 0-100% FILL.

KEY NOTES:

(1) ROUTE NETWORK CABLING THROUGH MODULES.

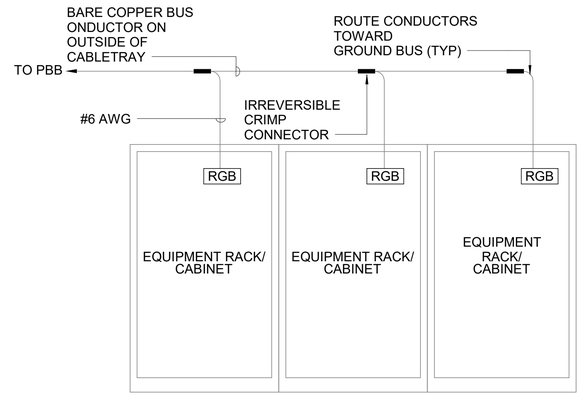
C8 TYPICAL 2-HOUR FIRE-RATED 4-PATHWAY DETAIL

SCALE:NTS



A1 TYPICAL CABLE TRAY BONDING DETAIL

SCALE:NTS



A5 TYPICAL RGB TO GROUND BUS CONDUCTOR DETAIL

SCALE:NTS

1/21/2026

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

ISSUE DATE: JANUARY, 2026
SOLICITATION NO.: W912HN-26-B-A003
CONTRACT NO.:
CATEGORY CODE: 141-001-401
DESIGN BY: H. DAS
DRAWN BY: H. DAS
CHECKED BY: C. KLOS
SUBMITTED BY: N. PEREZ
FILE NAME: 189618_E_Central
SIZE: ANSI D

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

BURNS McDONNELL
9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
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FY25, PN 69262

TELECOMMUNICATIONS DETAILS - 5

SHEET ID
TN505

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COMMUNICATIONS DROPS BY ROOM - LEGEND

ROOM NO.	ROOM NAME	OUTLET TYPE	NIPR	VOICE	SIPR

ROOM NUMBER WHERE OUTLETS ARE LOCATED. REFER TO FLOOR PLANS FOR LOCATION.

ROOM NAME WHERE OUTLETS ARE LOCATED. REFER TO FLOOR PLANS FOR LOCATION.

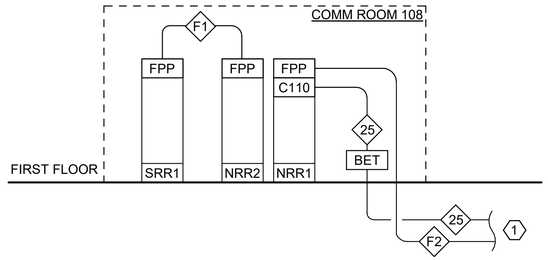
REFER TO TN501 FOR OUTLET TYPE DETAILS

QUANTITY AND TYPES OF CABLE LOCATED IN ROOM. REFER TO FLOOR PLANS FOR LOCATION.

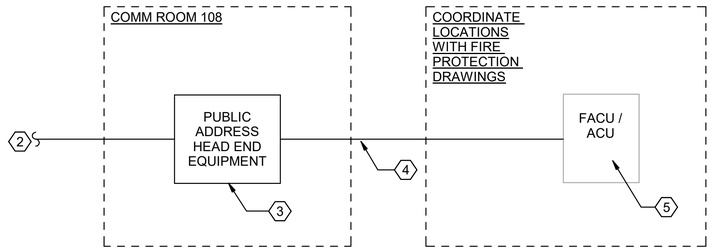
COMMUNICATION DROPS BY ROOM

ROOM NO.	ROOM NAME	OUTLET TYPE	NIPR	VOICE	SIPR
102	KENNEL MASTER	S	0	0	1
102	KENNEL MASTER	3	2	1	0
102	KENNEL MASTER	3	2	1	0
102	KENNEL MASTER	TV	2	0	0
102	KENNEL MASTER	S	0	0	1
103	TRAINER	S	0	0	1
103	TRAINER	S	0	0	1
103	TRAINER	1	1	0	0
103	TRAINER	3	2	1	0
103	TRAINER	TV	2	0	0
103	TRAINER	3	2	1	0
103	TRAINER	3	2	1	0
103	TRAINER	S	0	0	1
104	MULTI-PURPOSE HANDLERS	S	0	0	1
104	MULTI-PURPOSE HANDLERS	S	0	0	1
104	MULTI-PURPOSE HANDLERS	S	0	0	1
104	MULTI-PURPOSE HANDLERS	S	0	0	1
104	MULTI-PURPOSE HANDLERS	S	0	0	1
104	MULTI-PURPOSE HANDLERS	S	0	0	1
104	MULTI-PURPOSE HANDLERS	S	0	0	1
104	MULTI-PURPOSE HANDLERS	S	0	0	1
104	MULTI-PURPOSE HANDLERS	3	2	1	0
104	MULTI-PURPOSE HANDLERS	3	2	1	0
104	MULTI-PURPOSE HANDLERS	3	2	1	0
104	MULTI-PURPOSE HANDLERS	3	2	1	0
104	MULTI-PURPOSE HANDLERS	S	0	0	1
104	MULTI-PURPOSE HANDLERS	FB1	3	1	0
104	MULTI-PURPOSE HANDLERS	FB1	3	1	0
104	MULTI-PURPOSE HANDLERS	TV	2	0	0
104	MULTI-PURPOSE HANDLERS	FB1	3	1	0
104	MULTI-PURPOSE HANDLERS	FB1A	3	1	0
104	MULTI-PURPOSE HANDLERS	2	1	1	0
104	MULTI-PURPOSE HANDLERS	2	1	1	0
108	TELECOM	3	2	1	0
109	ELECTRICAL	2	1	1	0
110	MECHANICAL	2	1	1	0
110	MECHANICAL	2	1	0	0
111	VETERINARY TREATMENT	3	2	1	0
111	VETERINARY TREATMENT	3	2	1	0
111	VETERINARY TREATMENT	3	2	1	0
111	VETERINARY TREATMENT	3	2	1	0
111	VETERINARY TREATMENT	3	2	1	0
112	SURGERY	3	2	1	0
113	FOOD STORAGE	3	2	1	0
115	TACK ROOM	3	2	1	0
116	MOTHERS ROOM	3	2	1	0
117	LOCKER ROOM	3	2	1	0
117	LOCKER ROOM	3	2	1	0
123	KENNEL CORRIDOR	2	1	1	0
123	KENNEL CORRIDOR	2	1	1	0
TOTALS: 54			76	35	14

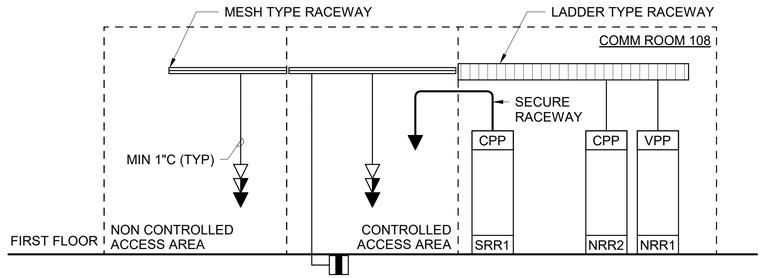
NOTE: THIS SCHEDULE IS PROVIDED FOR INFORMATION ONLY CONTRACTOR SHALL VERIFY QUANTITIES OF OUTLETS AND CABLES SHOWN ON PLANS.



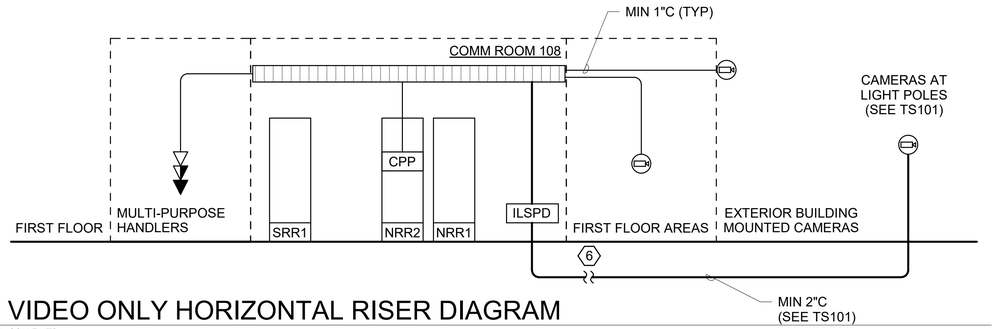
F4 COMMUNICATION BACKBONE RISER DIAGRAM
SCALE:NTS



D4 PUBLIC ADDRESS RISER DIAGRAM
SCALE:NTS



B4 COMMUNICATION HORIZONTAL RISER DIAGRAM
SCALE:NTS



A4 VIDEO ONLY HORIZONTAL RISER DIAGRAM
SCALE:NTS

GENERAL NOTES

1. SEE SHEET T-001 FOR TELECOMMUNICATIONS LEGEND AND ABBREVIATIONS.

SHEET KEYNOTES

1. CONTINUE 25 PAIR COPPER AND 24 STRANDS OF SMFO TO TELECOM MANHOLE IN NEW DUCTBANK. SEE SHEET TS101 FOR MORE INFORMATION.
2. CONNECT PA HEAD END UNIT TO TRANMSITTERS. CONNECTIONS AND CABLING WILL BE GFGI. PROVIDE RACEWAY AND PULL ROPE. COORDINATE WITH BASE IT.
3. PA SYSTEM RECEIVER,GFGI. MOUNTED IN COMMUNICATION RACK. SEE PRIMARY COMMUNICATIONS ROOM RACK ELEVATION ON SHEET TN401.
4. PROVIDE 1"C WITH PULL ROPE FROM PA SYSTEM RECEIVER TO MASS NOTIFICATION PANEL FOR PA SYSTEM. CABLE AND CONNECTIONS WILL BE GFGI.
5. COMBINED FIRE ALARM / MASS NOTIFICATION CONTROL PANEL. REFER TO FIRE PROTECTION DRAWINGS FOR LOCATION.
6. SEE ES101 AND TS101 FOR ADDITIONAL INFORMATION.

TELECOM CABLE LEGEND

- RUNWAY TYPE CABLE TRAY
- FPP — FIBER OPTIC PATCH PANEL
  - SEE ELEVATIONS FOR ADDITIONAL INFORMATION
- CPP — COPPER PATH PANEL
  - SEE ELEVATIONS FOR ADDITIONAL INFORMATION
- C110 — RACK-MOUNTED 110-BLOCK
  - SEE ELEVATIONS FOR ADDITIONAL INFORMATION
- VPP — COPPER PATH PANEL (VOICE)
  - SEE ELEVATIONS FOR ADDITIONAL INFORMATION
- ILSPD — INLINE SURGE PROTECTOR DEVICE
  - MOUNT INLINE SURGE PROTECTOR TO BACKBOARD
- F1 — FIBER BACKBONE CABLING
  - 12 STRAND SM FIBER OPTIC CABLE
- F2 — FIBER BACKBONE CABLING
  - 24 STRAND SM FIBER OPTIC CABLE
- 25 — COPPER BACKBONE CABLING
  - 25 TWISTED PAIR COPPER CABLE
- SEE FACEPLATE DETAILS FOR PLAN DRAWINGS FOR OUTLET LOCATIONS AND TYPES

NGUYEN PEREZ LICENSE No. 72149 STATE OF FLORIDA PROFESSIONAL ENGINEER

1/21/2026

US Army Corps of Engineers ®

MARK	DESCRIPTION	DATE

DESIGN BY:	H. DAS
DRAWN BY:	H. DAS
CHECKED BY:	C. KLOS
SUBMITTED BY:	N. PEREZ
SIZE:	ANSI D
ISSUE DATE:	JANUARY, 2026
SOLICITATION NO.:	W912HN-26-B-A003
CONTRACT NO.:	
CATEGORY CODE:	141-001-401
FILE NAME:	189818_E_Central

U.S. ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT
100 WEST OGLETHORPE AVE.
SAVANNAH, GA 31401-3640

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9400 WARD PARKWAY KANSAS CITY, MO 64114

HUNTER ARMY AIRFIELD, GEORGIA
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FY25, PN 69262

TELECOMMUNICATIONS RISER

SHEET ID
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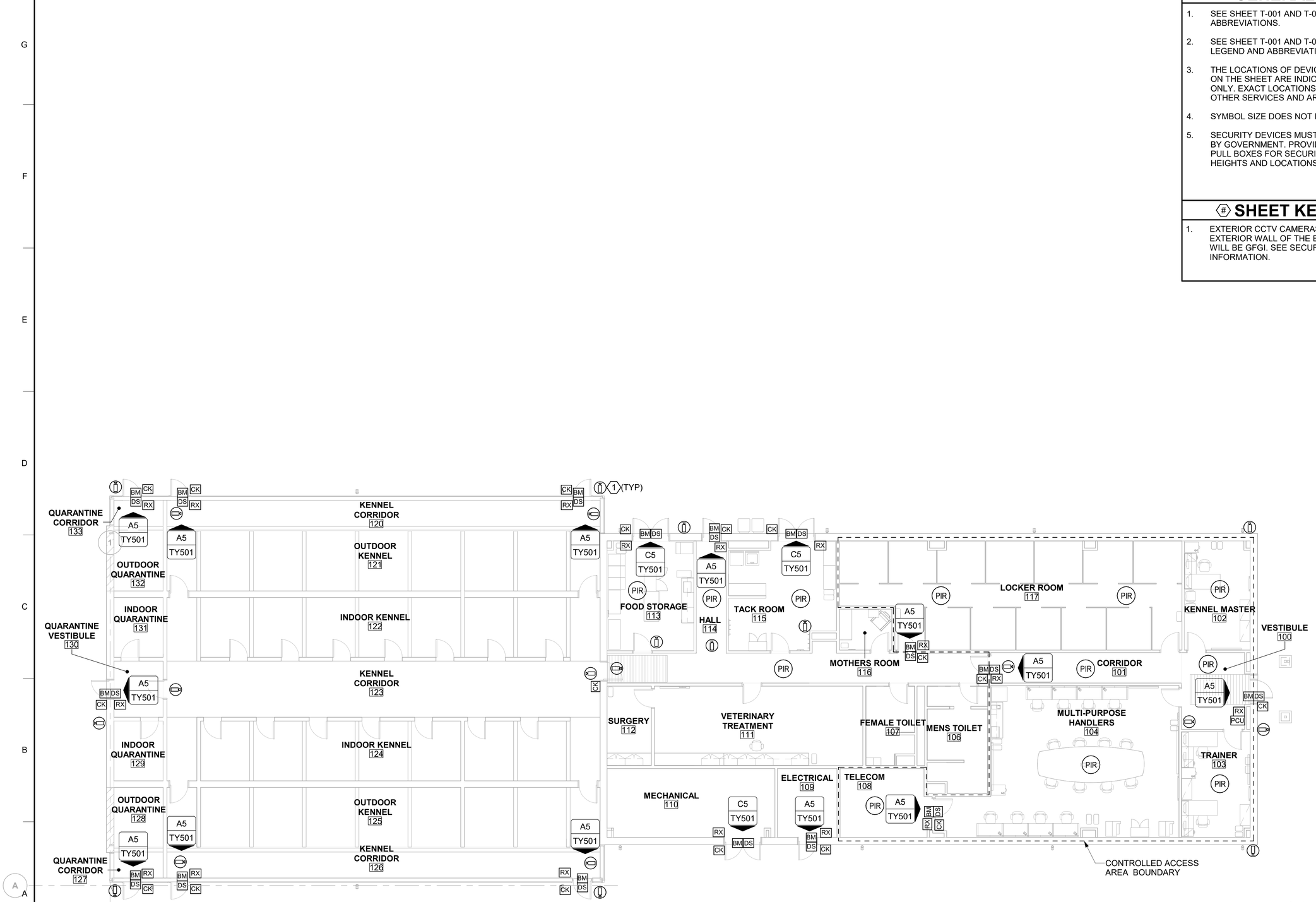
GENERAL NOTES

1. SEE SHEET T-001 AND T-002 FOR SECURITY LEGEND AND ABBREVIATIONS.
2. SEE SHEET T-001 AND T-002 FOR TELECOMMUNICATIONS LEGEND AND ABBREVIATIONS.
3. THE LOCATIONS OF DEVICES AND ACCESSORIES SHOWN ON THE SHEET ARE INDICATIVE FOR BIDDING PURPOSES ONLY. EXACT LOCATIONS MUST BE COORDINATEDWITH OTHER SERVICES AND ARCHITECTURAL DETAILS.
4. SYMBOL SIZE DOES NOT IMPLY EQUIPMENT SIZE, UNO.
5. SECURITY DEVICES MUST BE FURNISHED AND INSTALLED BY GOVERNMENT. PROVIDE CONDUIT, PULL STRINGS, AND PULL BOXES FOR SECURITY DEVICES. COORDINATE HEIGHTS AND LOCATIONS BEFORE ROUGH IN.

(#) SHEET KEYNOTES

1. EXTERIOR CCTV CAMERAS MUST BE MOUNTED TO THE EXTERIOR WALL OF THE BUILDING 9' - 0" AFF. CAMERAS WILL BE GFGI. SEE SECURITY DETAILS FOR ADDITIONAL INFORMATION.



A1 SECURITY PLAN - MAIN BUILDING
SCALE: 1/8" = 1'-0"

1/21/2026

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US Army Corps of Engineers ®

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SIZE: ANSI D

DESIGN BY: H. DAS
DRAWN BY: H. DAS
CHECKED BY: C. KLOS
SUPERVISED BY: S. PEREZ

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SPECIAL SYSTEMS PLAN

SHEET ID
TY101

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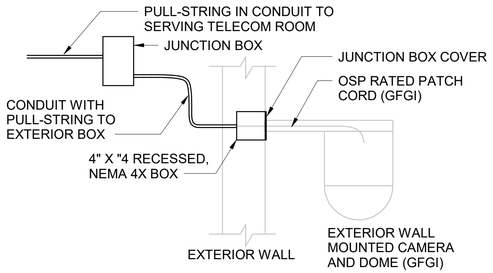
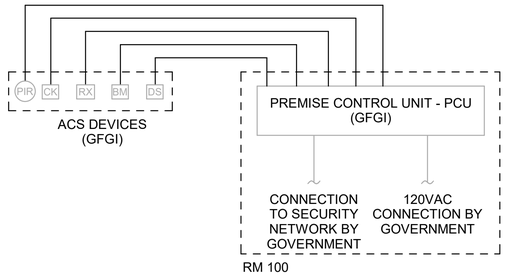


E1 SURVEILLANCE CAMERA EXTERIOR WALL MOUNTED DETAIL

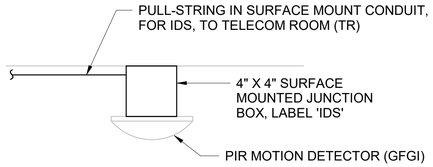
SCALE:NTS



NOTE:
ALL LINES ARE DIAGRAMMATIC. PULL BOXES ARE NOT SHOWN.

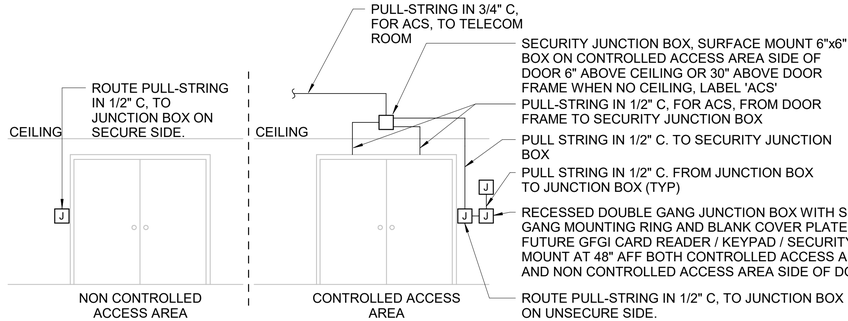
E5 SECURITY SYSTEM RISER DIAGRAM

SCALE:NTS



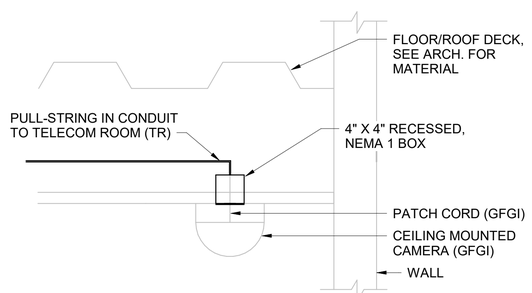
C1 PIR MOTION DETECTOR SURFACE MOUNT DETAIL

SCALE:NTS



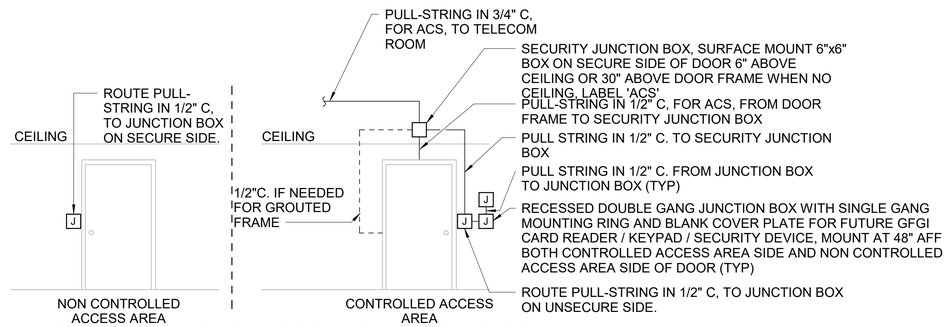
C5 TYPE 2 DOUBLE DOOR ROUGH-IN DETAIL

SCALE:NTS



A1 SURVEILLANCE CAMERA CEILING MOUNTED DETAIL

SCALE:NTS



A5 TYPE 1 SINGLE DOOR ROUGH-IN DETAIL

SCALE:NTS

1/21/2026

US Army Corps of Engineers ®

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SECURITY DETAILS AND RISER

SHEET ID
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