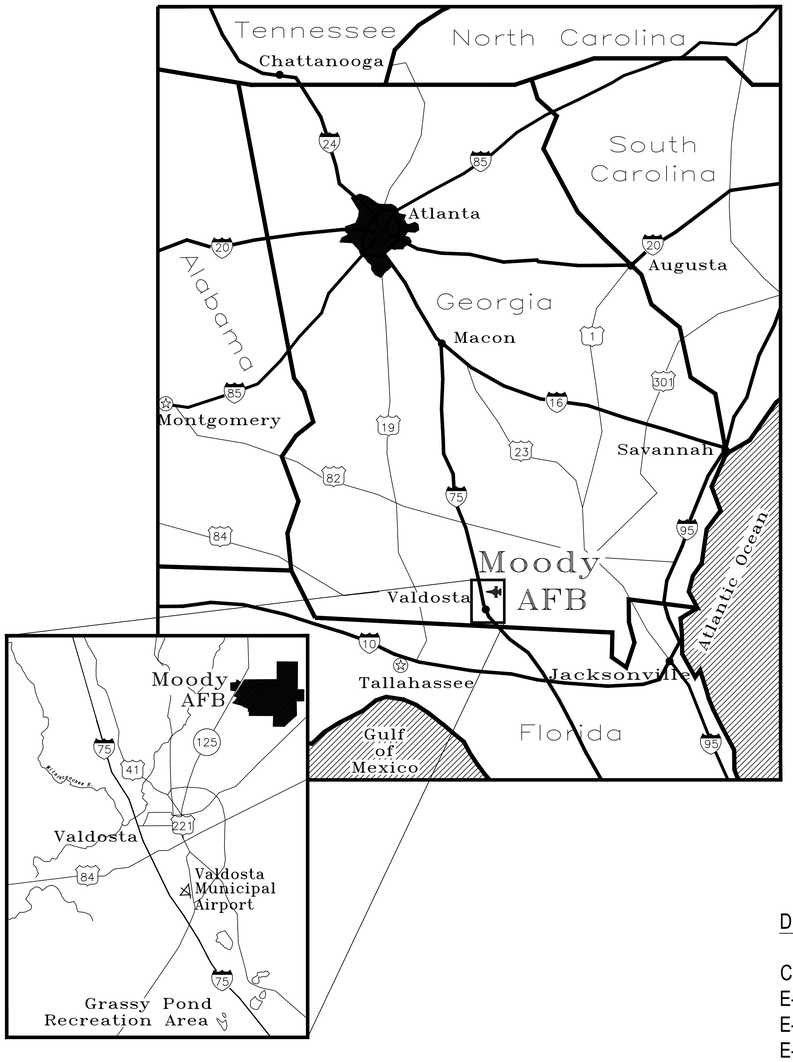
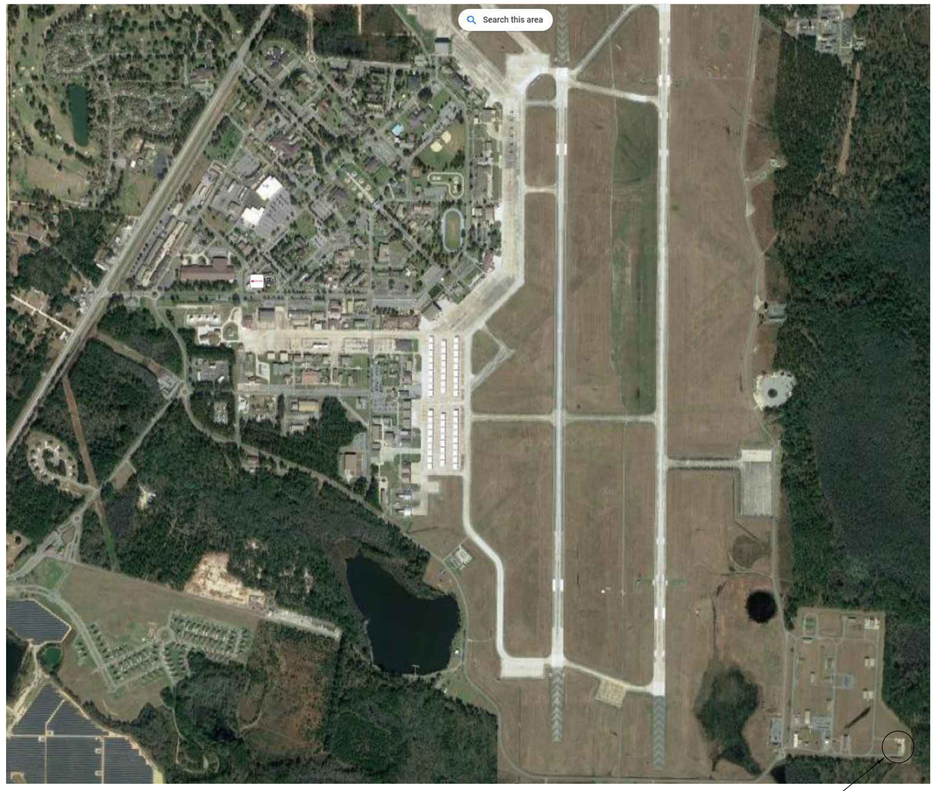
MAFB PROJECT
DSN RPR LIGHTNING PROTECTION SYSTEM, MULTI FAC
QSEU 23-0118, BLDG 1121





DRAWING INDEX

Symbol	Description	Date	Approved
	35 % SUBMITTAL	2/09/2024	
	65 % SUBMITTAL	3/26/2024	
	95 % SUBMITTAL	5/02/2024	
	100 % SUBMITTAL		
	FINAL SUBMITTAL	5/22/2024	
	RECORD DRAWING		

Symbol	Description	Date	Approved

DESIGNED BY: DH
DWN BY:
DS & DW
CHK BY:
REVIEWED BY:
SUBMITTED BY:
CHIEF ENGINEER
DATE: 3/26/2024
DESIGN FILE NO:
DRAWING CODE:
File name:
Plot date:
Plot scale:
REV.

DEPARTMENT OF THE AIR FORCE
AIR COMBAT COMMAND
347th CIVIL ENGINEER SQUADRON
MOODY AIR FORCE BASE, GEORGIA

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MAFB PROJECT
DSN RPR LIGHTNING PROTECTION SYSTEM, MULTI FAC
QSEU 23-0118, BLDG 1121

BUILDING 1121 COVER SHEET

Sheet reference number:
C-1

GEORGIA REGISTERED No. 17029 PROFESSIONAL ENGINEER JAMES A. ANDREWS

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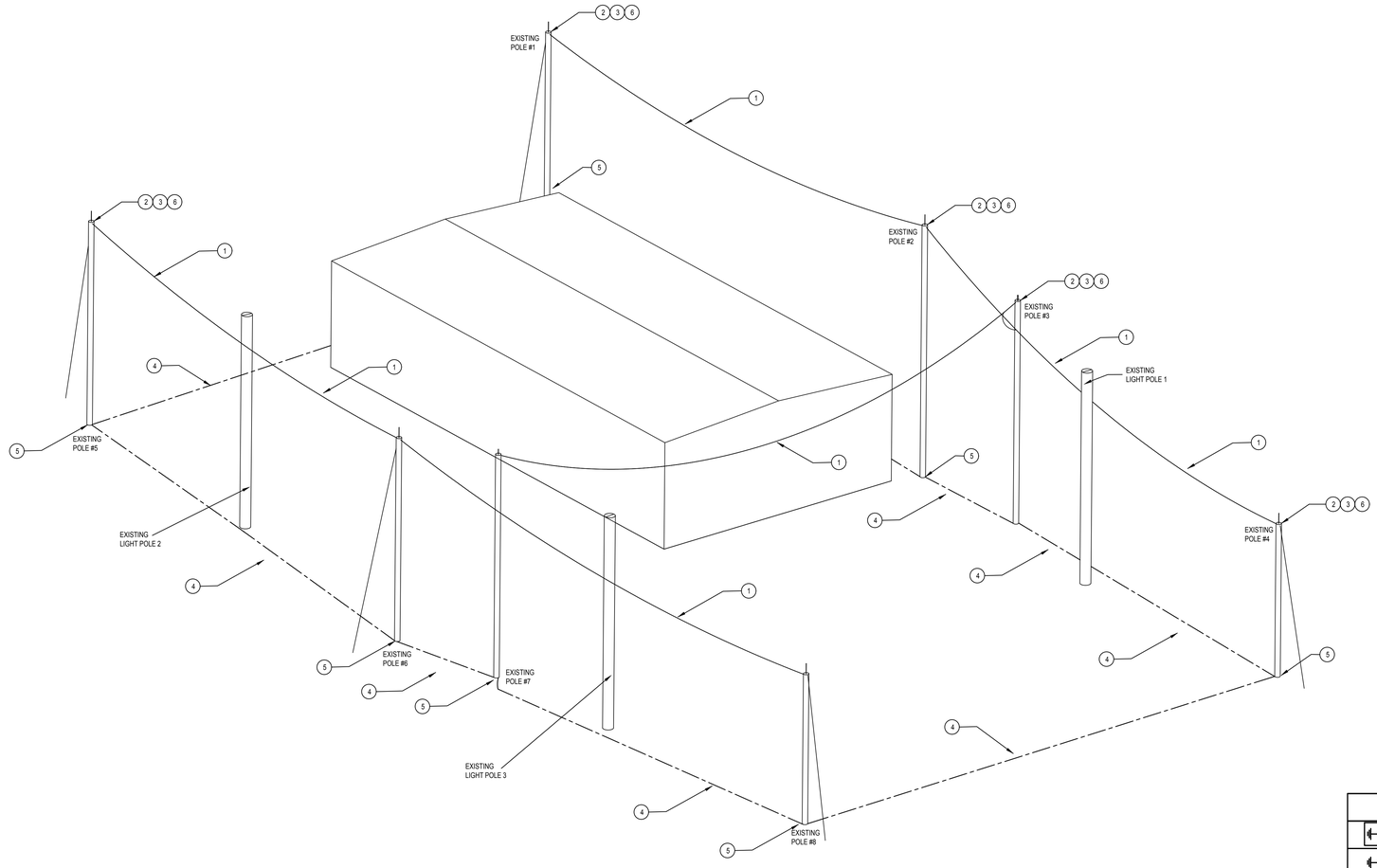
NOTES: (THIS SHEET ONLY)

1. CONTRACTOR SHALL REMOVE ALL EXISTING OVERHEAD GROUND WIRES.
2. CONTRACTOR SHALL REMOVE ALL AIR TERMINALS AND AIR TERMINALS BASES .
3. CONTRACTOR SHALL DEMO EXISTING DOWN-CONDUCTORS FROM TOP OF EACH POLE DOWN TO COUNTERPOISE CONDUCTOR.
4. CONTRACTOR SHALL EXCAVATE, CUT, AND REMOVE THE EXISTING COUNTERPOISE CONDUCTOR.
5. CONTRACTOR SHALL DEMO THE EXISTING GROUND RODS AND GROUNDING TEST WELLS.
6. CONTRACTOR SHALL LEAVE THE EXISTING POLES AND GUY WIRES IN PLACE.



LPS DEMOLITION DRAWING
SCALE: NONE

LEGEND	
	NEW GROUND TEST WELL AND GROUNDING ROD
	EXISTING GROUND TEST WELL AND GROUNDING ROD
	NEW POLE
	EXISTING POLE
	EXISTING LIGHT POLE
	CATENARY WIRE JUMPER
	GUY WIRE ANCHOR
	COUNTERPOISE
	GROUNDING JUMPER

Symbol	Description	Date
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	100 % SUBMITTAL	
	FINAL SUBMITTAL	5/22/2024
	RECORD DRAWING	

Symbol	Description	Date	Approved

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DD & DW
CHK BY:
REVIEWED BY:
SUBMITTED BY:
CHIEF ENGINEER
DATE: 3/26/2024
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Plot scale:
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DEPARTMENT OF THE AIR FORCE
AIR COMBAT COMMAND
347 CIVIL ENGINEER SQUADRON
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MAFB PROJECT
DSN RPR LIGHTNING PROTECTION SYSTEM, MULTI FAC
QSEU 23-0118, BLDG 1121

LPS DEMOLITION DRAWING

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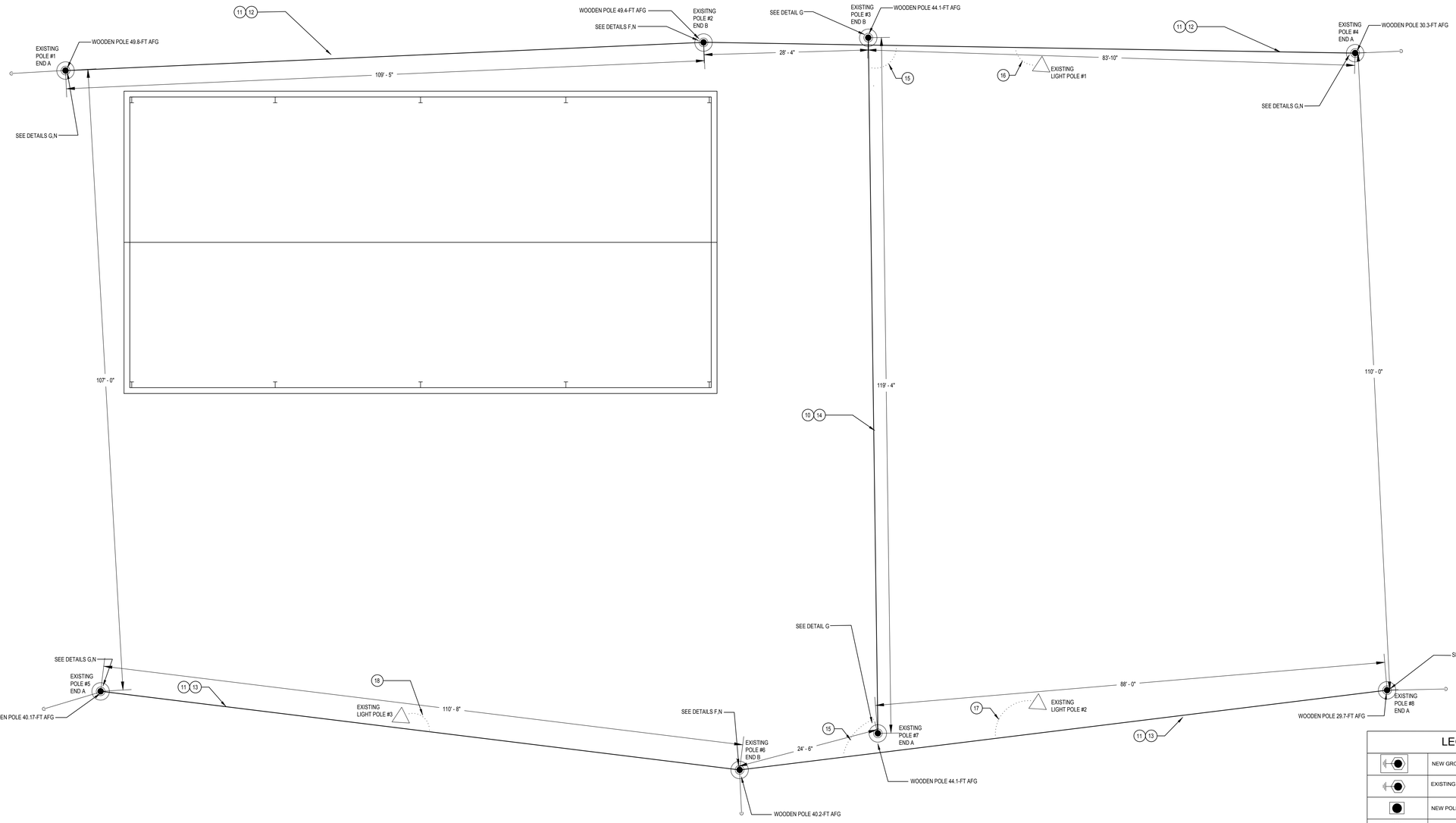
Sheet reference number:
E-1

NOTES: (THIS SHEET ONLY)

1. THE COMPLETED CATENARY WIRE LIGHTNING PROTECTION SYSTEM INSTALLATION SHALL MEET THE REQUIREMENTS OF THE LATEST ADOPTED VERSION OF THE NFPA'S "STANDARD FOR THE INSTALLATION OF LIGHTNING PROTECTION SYSTEMS" (NFPA 780) INCLUDING CHAPTER 8 (PROTECTION OF STRUCTURES HOUSING EXPLOSIVE MATERIALS), THE "INSTALLATION REQUIREMENTS FOR LIGHTNING PROTECTION SYSTEMS, UL 96A" OF UNDERWRITERS LABORATORIES INC, AND AIR FORCE INSTRUCTION 32-1065 "GROUNDING SYSTEMS". THIRD PARTY CERTIFICATION SHALL BE FURNISHED TO OWNER UPON COMPLETION IF REQUIRED.
2. DESIGN SHOWN IS SCHEMATIC AND INTENDED TO SHOW BASIC SYSTEM DESIGN. THE CONTRACTOR SHALL VERIFY DIMENSIONS AND SITE CONDITIONS AND PROVIDE A SYSTEM THAT COMPLIES WITH CODE REQUIREMENTS.
3. DESIGN SHOWN AND NOTES HEREIN APPLY ONLY TO CATENARY WIRE SYSTEM AND DO NOT INCLUDE THE FIXED STRUCTURE BEING PROTECTED.
4. CONTRACTOR SHALL REMOVE ALL EXISTING OVERHEAD GROUND WIRES, JUMPERS, AND CONNECTORS. EXISTING AIR TERMINALS AND SCREW-IN BASES SHALL REMAIN IN PLACE WHERE PRACTICABLE OR UNLESS DETERIORATED CONDITION OF AIR TERMINAL, BASE, OR FASTENERS WARRANTS REPLACEMENT.
5. INSTALL 2-FT, 1/2-IN DIAMETER COPPER AIR TERMINALS (HARGER 1224CUAT OR SIMILAR) WITH BRONZE SCREW-IN BASES (HARGER CUBU121 OR SIMILAR) ON TOP OF THE NEW LIGHTNING PROTECTION POLES (2) AND ANY EXISTING POLES WITH DETERIORATED AIR TERMINALS OR AIR TERMINAL BASES. AIR TERMINAL BASES SHALL BE SECURED TO THE POLES USING CORROSION RESISTANT FASTENERS.
6. TO PROTECT LIGHT FIXTURES, INSTALL 2-FT 1/2-IN DIAMETER ALUMINUM AIR TERMINAL (HARGER 1224ALAT OR SIMILAR) ON TOP OF 3-FT, 1-IN OUTER DIAMETER ALUMINUM MAST (CIRCULAR PIPE WITH WALL THICKNESS OF AT LEAST 0.064-IN). USE HARGER PRB-STYLE VERTICAL PIPE MOUNT AIR TERMINAL BASE OR SIMILAR. SECURE ALUMINUM MASTS AND AIR TERMINALS TO TOPS OF EXISTING LIGHT #1, LIGHT #2, AND LIGHT #3. THE BONDING CONNECTION BETWEEN THE AIR TERMINAL BASE AND LIGHT POLE SHALL BE MADE USING AN APPROPRIATE CLASS II ALUMINUM STRANDED CONDUCTOR, AND ALUMINUM BONDING PLATE HAVING AT LEAST 8 SQ-IN OF BONDING SURFACE AREA (HARGER A217 OR SIMILAR). THE SURFACE OF LIGHT POLES SHALL BE PREPARED PRIOR TO BONDING TO BE FREE OF PAINT, RUST, OR CONTAMINATES. THE BONDING PLATE SHALL BE SECURED TO THE METALLIC LIGHT POLE USING CORROSION-RESISTANT FASTENERS. THE MATING SURFACE SHALL BE PROTECTED FROM ENVIRONMENTAL INTRUSION USING AN APPROPRIATE ADHESIVE OR SEALANT.
7. POLE 3 AND POLE 7 CURRENTLY HAVE ONE PROPERLY SIZED DOWN-CONDUCTOR (CLASS I) AND ONE IMPROPERLY SIZED DOWN-CONDUCTOR. REMOVE THE IMPROPERLY SIZED DOWN-CONDUCTOR ON POLE 3 AND POLE 7. INSTALL A SECOND CLASS I STRANDED COPPER DOWN-CONDUCTOR EXTENDING FROM TOP OF POLE 3 AND POLE 7 TO GROUND LEVEL. NEW DOWN-CONDUCTORS SHALL BE POSITIONED ON OPPOSING SIDES FROM THE EXISTING PROPERLY SIZED DOWN-CONDUCTORS AND SHALL BE SECURED USING MATERIAL-COMPATIBLE CONDUCTOR CLIPS AND CORROSION RESISTANT FASTENERS.
8. ALL LIGHTNING CONDUCTORS ARE TO MAINTAIN A HORIZONTAL OR DOWNWARD PATH. ALL BENDS IN THE CONDUCTOR SHALL HAVE A RADIUS OF 8" OR GREATER AND SHALL HAVE AN ANGLE BEND OF 90 DEGREES OR GREATER.
9. ENCLOSE DOWN CONDUCTORS (2 PER POLE) WITHIN SCHEDULE 80 PVC CONDUIT EXTENDING, AT MINIMUM, 6-ft ABOVE GROUND LEVEL. SECURE PVC CONDUIT TO SUPPORT POLES.
10. BI-METALLIC LIGHTNING PROTECTION SYSTEM COMPONENTS SHALL BE USED TO AVOID GALVANIC CORROSION WHERE APPLICABLE. REFER TO NFPA 780, ARTICLE 4.3.
11. ALL OVERHEAD GROUND WIRES (CATENARY WIRE SYSTEM) SHALL BE ½-IN OUTER DIAMETER COPPER-CLAD STEEL CONDUCTORS PER NFPA 780, ARTICLE 4.6.
12. INSTALL NEW OVERHEAD GROUND WIRES BETWEEN POLE #1 AND POLE #2, AND BETWEEN POLE #2 AND POLE #4.
13. INSTALL NEW OVERHEAD GROUND WIRES BETWEEN POLE #5 AND POLE #6, AND BETWEEN POLE #6 AND POLE #8.
14. INSTALL NEW OVERHEAD GROUND WIRE BETWEEN POLE #3 AND POLE #7.
15. INSTALL ½-IN OUTER DIAMETER COPPER-CLAD STEEL JUMPERS BETWEEN NEW OVERHEAD GROUND WIRE BETWEEN POLE #3 AND POLE #7 TO THE NEW OVERHEAD GROUND WIRE BETWEEN POLE #2 AND POLE #4 AND TO THE NEW OVERHEAD GROUND WIRE BETWEEN POLE #6 AND POLE #8. CABLE CONNECTIONS SHOULD BE MADE BETWEEN THE NEW JUMPERS AND NEW OVERHEAD GROUND WIRES WITH HIGH-COMPRESSION BRONZE CONNECTORS (HARGER B1BC OR SIMILAR).
16. INSTALL ½-IN OUTER DIAMETER COPPER-CLAD STEEL, JUMPER BETWEEN LIGHT POLE #1 AND THE NEW OVERHEAD GROUND WIRE BETWEEN POLE #2 AND POLE #4. THE BONDING CONNECTION BETWEEN THE NEW JUMPER AND NEW OVERHEAD GROUND WIRE SHALL BE MADE WITH A HIGH-COMPRESSION BRONZE CONNECTOR (HARGER B1BC OR SIMILAR). THE BONDING CONNECTION BETWEEN THE NEW JUMPER AND LIGHT POLE #1 SHALL BE MADE WITH A BI-METALLIC BONDING PLATE HAVING AT LEAST 8 SQ-IN OF BONDING SURFACE AREA (HARGER BMBP OR SIMILAR). THE SURFACE OF LIGHT POLE #1 SHALL BE PREPARED PRIOR TO BONDING TO BE FREE OF PAINT, RUST, OR CONTAMINATES. THE BONDING PLATE SHALL BE SECURED TO THE METALLIC LIGHT POLE USING CORROSION-RESISTANT FASTENERS. THE MATING SURFACE SHALL BE PROTECTED FROM ENVIRONMENTAL INTRUSION USING AN APPROPRIATE ADHESIVE OR SEALANT.
17. INSTALL ½-IN OUTER DIAMETER COPPER-CLAD STEEL JUMPER BETWEEN LIGHT POLE #2 AND THE NEW OVERHEAD GROUND WIRE BETWEEN POLE #6 AND POLE #8. THE BONDING CONNECTION BETWEEN THE NEW JUMPER AND NEW OVERHEAD GROUND WIRE SHALL BE MADE WITH A HIGH-COMPRESSION BRONZE CONNECTOR (HARGER B1BC OR SIMILAR). THE BONDING CONNECTION BETWEEN THE NEW JUMPER AND LIGHT POLE #2 SHALL BE MADE WITH A BI-METALLIC BONDING PLATE HAVING AT LEAST 8 SQ-IN OF BONDING SURFACE AREA (HARGER BMBP OR SIMILAR). THE SURFACE OF LIGHT POLE #2 SHALL BE PREPARED PRIOR TO BONDING TO BE FREE OF PAINT, RUST, OR CONTAMINATES. THE BONDING PLATE SHALL BE SECURED TO THE METALLIC LIGHT POLE USING CORROSION-RESISTANT FASTENERS. THE MATING SURFACE SHALL BE PROTECTED FROM ENVIRONMENTAL INTRUSION USING AN APPROPRIATE ADHESIVE OR SEALANT.
18. INSTALL ½-IN OUTER DIAMETER COPPER-CLAD STEEL JUMPER BETWEEN LIGHT POLE #3 AND THE NEW OVERHEAD GROUND WIRE BETWEEN POLE #5 AND POLE #6. THE BONDING CONNECTION BETWEEN THE NEW JUMPER AND NEW OVERHEAD GROUND WIRE SHALL BE MADE WITH A HIGH-COMPRESSION BRONZE CONNECTOR (HARGER B1BC OR SIMILAR). THE BONDING CONNECTION BETWEEN THE NEW JUMPER AND LIGHT POLE #3 SHALL BE MADE WITH A BI-METALLIC BONDING PLATE HAVING AT LEAST 8 SQ-IN OF BONDING SURFACE AREA. THE SURFACE OF LIGHT POLE #3 SHALL BE PREPARED PRIOR TO BONDING TO BE FREE OF PAINT, RUST, OR CONTAMINATES. THE BONDING PLATE SHALL BE SECURED TO THE METALLIC LIGHT POLE USING CORROSION-RESISTANT FASTENERS. THE MATING SURFACE SHALL BE PROTECTED FROM ENVIRONMENTAL INTRUSION USING AN APPROPRIATE ADHESIVE OR SEALANT.
19. FOR EACH OVERHEAD GROUND WIRE, TERMINATE END A IN STAINLESS STEEL OPEN SOCKET SWAGE FITTING (ESCO HOLERITE 4179732 OR SIMILAR). FASTEN END A TO EXISTING MECHANICAL EYE BOLT AT WOODEN LIGHTNING PROTECTION POLE TOP USING CLEVIS PIN.
20. FOR EACH OVERHEAD GROUND WIRE, TERMINATE END B IN STAINLESS STEEL CLOSED SOCKET SWAGE FITTING (ESCO HOLERITE 5111839 OR SIMILAR). CONNECT TO STAINLESS STEEL TURNBUCKLE VIA CLEVIS PIN. CONNECT OPPOSITE SIDE OF TURNBUCKLE TO EXISTING MECHANICAL EYE BOLT AT WOODEN LIGHTNING PROTECTION POLE TOP USING CLEVIS PIN. TIGHTEN TURNBUCKLE UNTIL REQUIRED 3-FT SAG IS ACHIEVED.
21. BOND OVERHEAD GROUND WIRES AT LIGHTNING PROTECTION POLE WITH A ½-IN OUTER DIAMETER COPPER-CLAD STEEL CONDUCTOR JUMPER. SECURE TO OVERHEAD GROUND WIRES WITH HIGH-COMPRESSION BRONZE CONNECTORS (HARGER CUBU121 OR SIMILAR) AND SECURE TO AIR TERMINAL CABLE CLAMP BASE (HARGER CUBU121 OR SIMILAR).
22. BOND EACH OVERHEAD GROUND WIRE AT LIGHTNING PROTECTION POLE TO EXISTING DOWN-CONDUCTORS (TWO PER POLE ON OPPOSING SIDES) USING ½-IN OUTER DIAMETER COPPER-CLAD STEEL CONDUCTOR JUMPER. BOND EACH JUMPER TO OVERHEAD GROUND WIRE AND DOWN-CONDUCTOR WITH HIGH-COMPRESSION BRONZE CONNECTORS (HARGER B1BC OR SIMILAR).
23. BOND COPPER OVERHEAD GROUND WIRES TO GALVANIZED STEEL GUY WIRES USING APPROPRIATE BI-METALLIC BONDING CONNECTORS (HARGER TBCTC OR SIMILAR) PER ARTICLE 4.6.4.5.



NORTH

BUILDING 1121 LPS ABOVE GRADE PLAN

SCALE: 3/32" = 1'-0"

LEGEND	
	NEW GROUND TEST WELL AND GROUNDING ROD
	EXISTING GROUND TEST WELL AND GROUNDING ROD
	NEW POLE
	EXISTING POLE
	EXISTING LIGHT POLE
	CATENARY WIRE JUMPER
	GUY WIRE ANCHOR
	COUNTERPOISE
	GROUNDING JUMPER

GEORGIA REGISTERED No. 17008 PROFESSIONAL ENGINEER JAMES A. ANDREWS, JR.

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Symbol	Description	Date	Approved
	35 % SUBMITTAL	2/09/2024	
	65 % SUBMITTAL	3/26/2024	
	95 % SUBMITTAL	5/02/2024	
	100 % SUBMITTAL		
	FINAL SUBMITTAL	5/22/2024	
	RECORD DRAWING		

DESIGNED BY: DH
DWN BY: DD & DW
CHK BY:
REVIEWED BY:
SUBMITTED BY:
CHIEF ENGINEER
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Plot scale:
REV.

DEPARTMENT OF THE AIR FORCE
AIR COMBAT COMMAND
347 CIVIL ENGINEER SQUADRON
MOODY AIR FORCE BASE, GEORGIA

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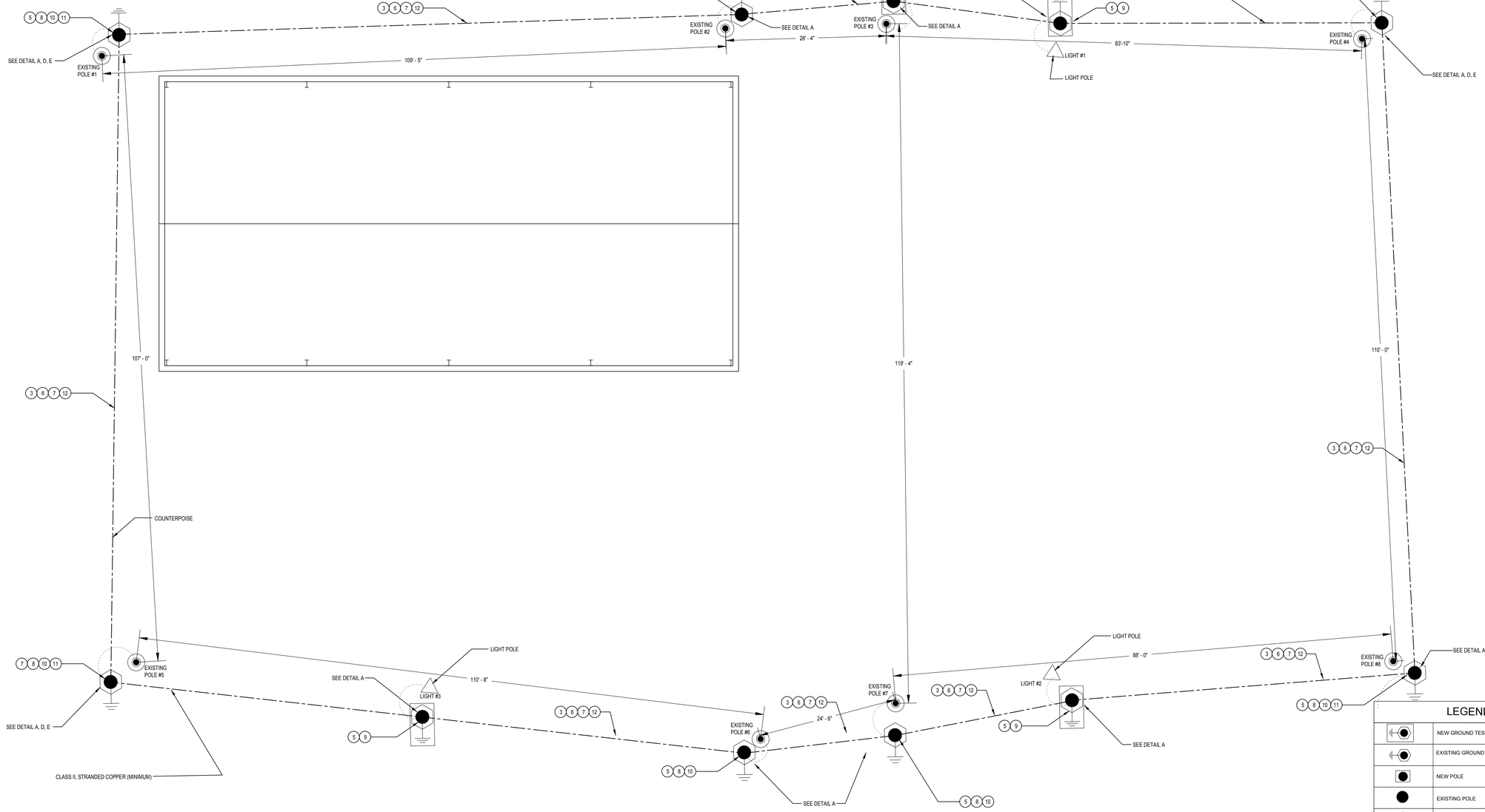
MAFB PROJECT
DSN RPR LIGHTNING PROTECTION SYSTEM, MULTI FAC
QSEU 23-0118, BLDG 1121

BUILDING 1121 LPS ABOVE GRADE PLAN

Sheet reference number:
E-2

NOTES: (THIS SHEET ONLY)

1. THE COMPLETED LIGHTNING PROTECTION SYSTEM INSTALLATION SHALL MEET THE REQUIREMENTS OF THE LATEST ADOPTED VERSION OF THE NFPA'S "STANDARD FOR THE INSTALLATION OF LIGHTNING PROTECTION SYSTEMS" (NFPA 780) INCLUDING CHAPTER 8 (PROTECTION OF STRUCTURES HOUSING EXPLOSIVE MATERIALS), THE "INSTALLATION REQUIREMENTS FOR LIGHTNING PROTECTION SYSTEMS, UL 96A" OF UNDERWRITERS LABORATORIES INC, AND AIR FORCE INSTRUCTION 32-1065 "GROUNDING SYSTEMS". THIRD PARTY CERTIFICATION SHALL BE FURNISHED TO OWNER UPON COMPLETION.
2. DESIGN SHOWN IS SCHEMATIC AND INTENDED TO SHOW BASIC SYSTEM DESIGN. CONTRACTOR SHALL VERIFY DIMENSIONS AND SITE CONDITIONS AND PROVIDE SYSTEM THAT COMPLIES WITH CODE REQUIREMENTS.
3. EXCAVATE AND REMOVE THE EXISTING COUNTERPOISE CONDUCTOR BASED ON MARKINGS PROVIDED BY MOODY AFB. CUT THE EXISTING COUNTERPOISE CONDUCTOR WHERE IT IS BONDED TO THE DOWN-CONDUCTORS AT EACH EXISTING LIGHTNING PROTECTION SYSTEM POLE.
4. NOT USED.
5. INSTALL NEW 3/4-IN X 10-FT COPPER GROUNDING ELECTRODES AND GROUNDING TEST WELLS. WHERE LIGHTNING PROTECTION POLES ARE PLACED IN VEHICLE TRAFFIC AREAS, VEHICLE-RATED GROUNDING TEST WELLS SHALL BE UTILIZED.
6. INSTALL NEW CLASS II COPPER COUNTERPOISE CONDUCTOR ACCORDING TO PATH DEFINED IN DRAWING. THE COUNTERPOISE CONDUCTOR SHALL BE BURIED A MINIMUM OF 18-IN BELOW GRADE PER ARTICLE 4.13.4.1.
7. ALL BENDS IN THE COUNTERPOISE CONDUCTOR SHALL HAVE A RADIUS OF 8" OR GREATER AND SHALL HAVE AN ANGLE BEND OF 90 DEGREES OR GREATER.
8. BOND COUNTERPOISE CONDUCTOR TO GROUNDING ELECTRODE AT EACH LIGHTNING PROTECTION SYSTEM POLE (8) VIA EXOTHERMIC WELDING.
9. BOND COUNTERPOISE CONDUCTOR TO EACH LIGHT POLE GROUND ELECTRODE (3) VIA EXOTHERMIC WELDING.
10. AT EACH LIGHTNING PROTECTION SYSTEM POLE (8), BOND DOWN-CONDUCTORS (2) TO COUNTERPOISE AND/OR GROUNDING ELECTRODE VIA EXOTHERMIC WELDING.
11. AT EACH LIGHTNING PROTECTION SYSTEM POLE WHERE A GUY WIRE IS INSTALLED (POLES #1, #4, #5, AND #8), BOND EACH GUY WIRE ANCHOR TO THE COUNTERPOISE USING CLASS II COPPER JUMPER VIA EXOTHERMIC WELDING.
12. CONTRACTOR SHALL BACKFILL AND COMPACT SOIL IN TRENCH WHERE NEW COUNTERPOISE CONDUCTOR WAS INSTALLED. WHERE REQUIRED, CONTRACTOR SHALL REPAIR/PATCH ASPHALT/CONCRETE SURFACES TO PRE-EXCAVATION CONDITION.



BUILDING 1121 LPS BELOW GRADE GROUNDING PLAN

NORTH

SCALE: $\frac{3}{8}$" = 1'-0"

LEGEND	
	NEW GROUND TEST WELL AND GROUNDING ROD
	EXISTING GROUND TEST WELL AND GROUNDING ROD
	NEW POLE
	EXISTING POLE
	EXISTING LIGHT POLE
	CATENARY WIRE JUMPER
	GUY WIRE ANCHOR
	COUNTERPOISE
	GROUNDING JUMPER

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MAFB PROJECT
DSN RPR LIGHTNING PROTECTION SYSTEM, MULTI FAC
QSEU 23-0118, BLDG 1121

BUILDING 1121LPS BELOW GRADE GROUNDING PLAN

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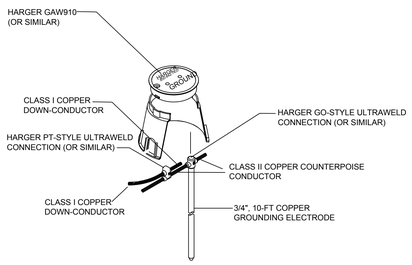
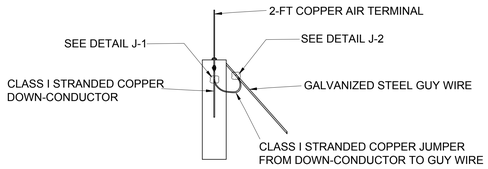
GEORGIA REGISTERED No. 17023 JAMES A. ANDREWS, JR. ENGINEER

Sheet reference number: E-3



GROUND ROD (NON-VEHICLE) DETAIL A
SCALE: NONE

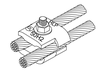


GUY WIRE BONDING TO POLE TOP DETAIL J
SCALE: NONE

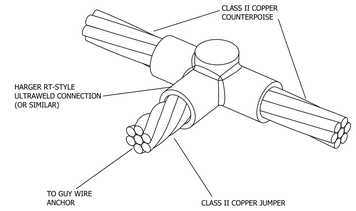
HARGER B1BC (OR SIMILAR)

DETAIL J-1
SCALE: NONE

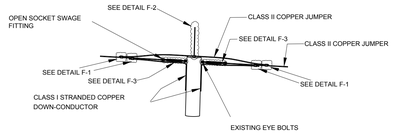
HARGER TBCTC (OR SIMILAR, GALVANIZED GUY WIRE STEEL TO COPPER)



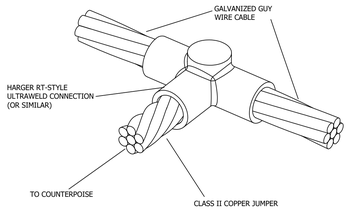
DETAIL J-2
SCALE: NONE



GUY WIRE GROUNDING JUMPER BONDING TO COUNTERPOISE DETAIL D
SCALE: NONE

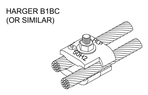


AIR TERMINAL (TOP OF POLE, MID-SPAN END 'B') DETAIL F
SCALE: NONE

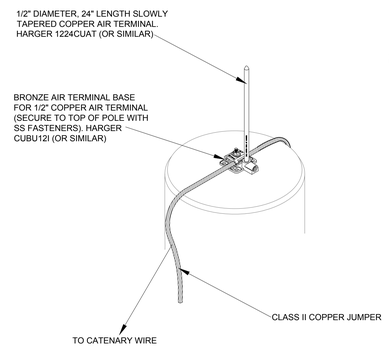


GUY WIRE GROUNDING JUMPER BONDING TO GUY WIRE DETAIL E
SCALE: NONE

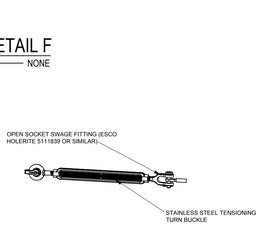
HARGER B1BC (OR SIMILAR)



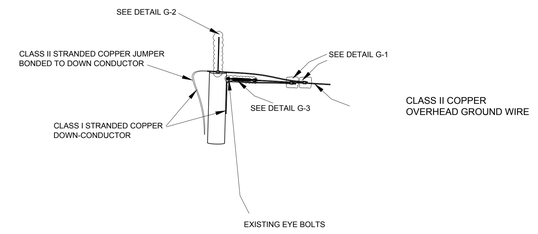
DETAIL F-1
SCALE: NONE



DETAIL F-2
SCALE: NONE

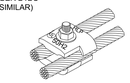


DETAIL F-3
SCALE: NONE

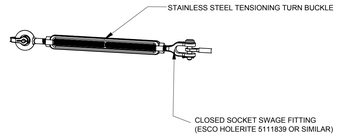


AIR TERMINAL (TOP OF POLE, END 'A') DETAIL G
SCALE: NONE

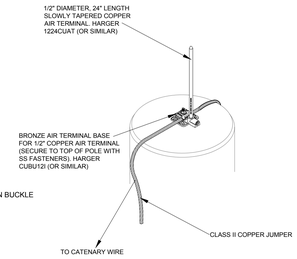
HARGER B1BC (OR SIMILAR)



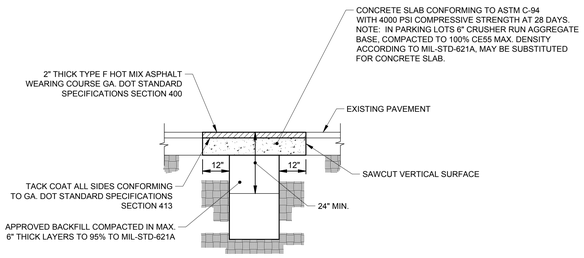
DETAIL G-1
SCALE: NONE



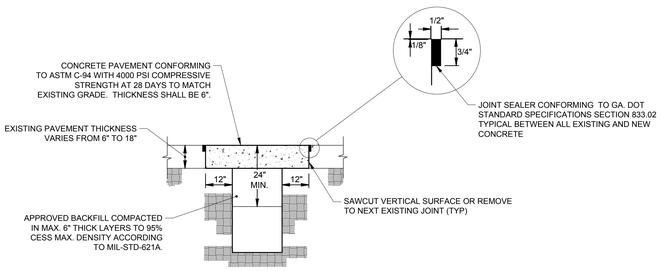
DETAIL G-3
SCALE: NONE



DETAIL G-2
SCALE: NONE



TYPICAL ASPHALT PAVEMENT REPAIR
SCALE: NONE



TYPICAL CONCRETE REPAIR
SCALE: NONE

				Description	Date	Approved
35 % SUBMITTAL					2/09/2024	
65 % SUBMITTAL					3/26/2024	
95 % SUBMITTAL					5/02/2024	
100 % SUBMITTAL						
FINAL SUBMITTAL					5/22/2024	
RECORD DRAWING						
Description			Symbol	Date	Approved	Symbol

DESIGNED BY: DH
DWN BY: DD & DW
CHK BY:
REVIEWED BY:
SUBMITTED BY:
CHIEF ENGINEER
DATE: 3/26/2024
DESIGN FILE NO:
DRAWING CODE:
File name:
Plot date:
Plot scale:
REV.

DEPARTMENT OF THE AIR FORCE
AIR COMBAT COMMAND
347 CIVIL ENGINEER SQUADRON
MOODY AIR FORCE BASE, GEORGIA

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MAFB PROJECT
DSN RPR LIGHTNING PROTECTION SYSTEM, MULTI FAC
QSEU 23-0118, BLDG 1121

BUILDING 1121DETAILS

Sheet reference number:
E-4

GEORGIA REGISTERED No. 17029 PROFESSIONAL ENGINEER JAMES A. ANDREWS

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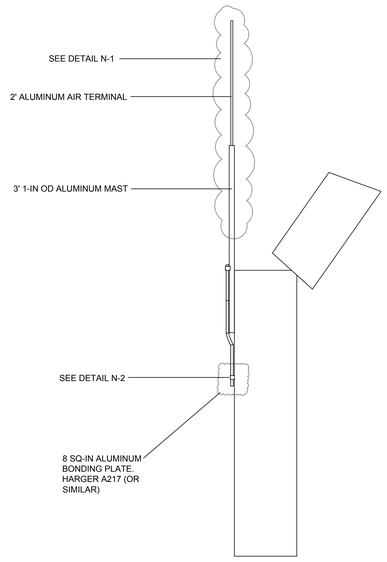
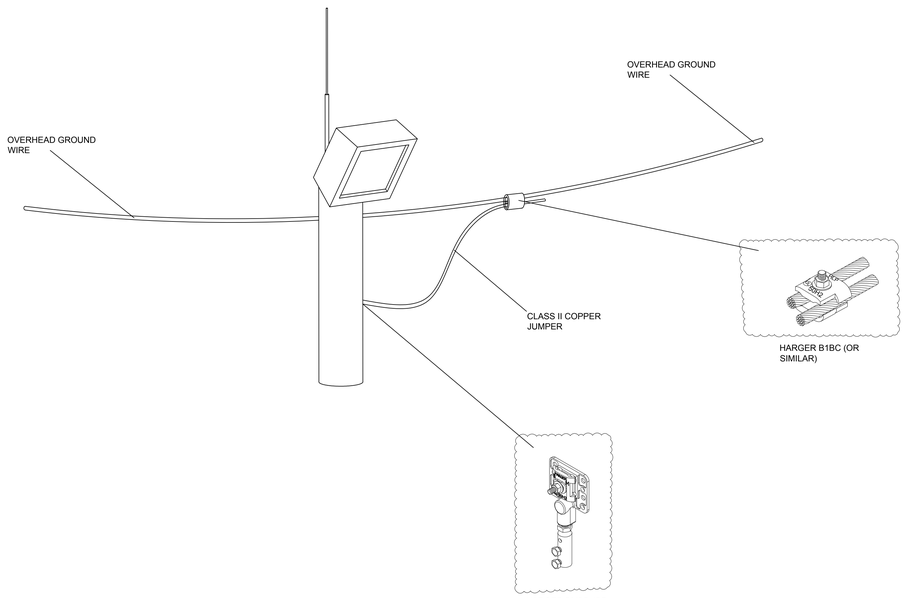


LIGHT POLE AERIAL DETAIL N

SCALE: NONE



LIGHT POLE BONDING DETAIL Q

SCALE: NONE

DETAIL N-2

SCALE: NONE

DETAIL N-1

SCALE: NONE

Symbol	Description	Date
	35 % SUBMITTAL	2/09/2024
	65 % SUBMITTAL	3/26/2024
	95 % SUBMITTAL	5/02/2024
	100 % SUBMITTAL	
	FINAL SUBMITTAL	5/22/2024
	RECORD DRAWING	

Symbol	Description	Date	Approved

DESIGNED BY: DH
DWN BY: DD & DW
CHK BY:
REVIEWED BY:
SUBMITTED BY:
CHIEF ENGINEER
DATE: 3/26/2024
DESIGN FILE NO:
DRAWING CODE:
File name:
Plot date:
Plot scale:
REV.

DEPARTMENT OF THE AIR FORCE
AIR COMBAT COMMAND
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MAFB PROJECT
DSN RPR LIGHTNING PROTECTION SYSTEM, MULTI FAC
QSEU 23-01118, BLDG 1121

BUILDING 1121 DETAILS

Sheet reference number:
E-5

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