LIGHTNING PROTECTION GROUNDING SUBSYSTEM CHECKLIST FOR EXISTING FACILITIES

For use of this form, see TM 5-690; the proponent agency is COE.

1. FACILITY	2. DATE *(YYYYMMDD)*
3. LOCATION	4. INSPECTOR

5. SKETCH THE LAYOUT OF THE ACTUAL LIGHTNING PROTECTION SUBSYSTEM *(Or attach an up-to-date engineering drawing if it exists)*

6. ALL LIGHTNING PROTECTION EQUIPMENT UL LABELED ☐ YES ☐ NO	7. UL MASTER LABEL ISSUED AND PROPERLY ATTACHED TO THE BUILDING ☐ YES ☐ NO

8. AIR TERMINALS

8a. HEIGHT	8b. MATERIAL	8c. SIZE *(Diameter)*
8d. PROPER BASES/FITTINGS ☐ YES ☐ NO	8e. PROPERLY INSTALLED ☐ YES ☐ NO	8f. LOCATED AND SPACED AS SPECIFIED ☐ YES ☐ NO
8g. DOES THE HEIGHT OF AIR TERMINALS PROVIDE PROPER CONE OF PROTECTION ☐ YES ☐ NO	8h. PHYSICAL CONDITION	

9. ROOF CONDUCTORS

9a. TYPE	9b. SIZE	9c. MATERIAL
9d. BEND RADIUS ACCEPTABLE ☐ YES ☐ NO	9e. SECURELY FASTENED ☐ YES ☐ NO	9f. PROPER FITTINGS ☐ YES ☐ NO
9g. PROPERLY BONDED TO AIR TERMINALS AND OTHER METAL OBJECTS ON ROOF ☐ YES ☐ NO		
9h. PROPERLY INTERCONNECTED TO OTHER CROSS ROOF CONDUCTORS ☐ YES ☐ NO	9i. PHYSICAL CONDITION	

10. DOWN CONDUCTORS

10a. TYPE	10b. SIZE	10c. MATERIAL	10d. BEND RADIUS ACCEPTABLE ☐ YES ☐ NO
10e. SECURELY ANCHORED ☐ YES ☐ NO	10f. PROPER FITTINGS ☐ YES ☐ NO	10g. LOCATED AND SPACED AS SPECIFIED ☐ YES ☐ NO	
10h. PROPERLY BONDED TO ROOF CONDUCTORS/AIR TERMINALS AND GROUNDING ELECTRODES ☐ YES ☐ NO			
10i. PHYSICAL CONDITION			

11. GUARDS

11a. TYPE	11b. SOLIDLY ANCHORED ☐ YES ☐ NO	10c. PHYSICAL CONDITION

12. GROUNDING ELECTRODES

12a. TYPE	12b. SIZE	12c. LENGTH *(Each)*	12d. FORM COUNTERPOISE LOOP ☐ YES ☐ NO
12e. DISTANCE BELOW GRADE LEVEL	12f. DISTANCE FROM OUTER WALL		12g. PROPERLY INSTALLED ☐ YES ☐ NO
12h. PROPERLY CONNECTED TO OTHER GROUNDING SYSTEMS OF THE BUILDING ☐ YES ☐ NO			
12i. PROPERLY CONNECTED TO DOWN CONDUCTORS ☐ YES ☐ NO	12j. GROUND RESISTANCE MEASUREMENT		