LIGHTNING PROTECTION GROUNDING SUBSYSTEM CHECKLIST FOR NEW 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)*

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. CLASS	8b. HEIGHT	8c. MATERIAL	8d. SIZE *(Diameter)*
8e. PROPER BASES/FITTINGS ☐ YES ☐ NO	8f. PHYSICAL CONDITION	8g. PROPERLY INSTALLED ☐ YES ☐ NO	8h. LOCATED AND SPACED AS SPECIFIED ☐ YES ☐ NO

8i. DOES THE HEIGHT OF AIR TERMINALS PROVIDE PROPER CONE OF PROTECTION ☐ YES ☐ NO	8j. DEFICIENCIES

9. ROOF CONDUCTORS

9a. CLASS	9b. TYPE	9c. SIZE	9d. MATERIAL
9e. BEND RADIOUS	9f. SECURELY ANCHORED ☐ YES ☐ NO	9g. PROPER FITTINGS ☐ YES ☐ NO	9h. LOCATED AND SPACED AS SPECIFIED ☐ YES ☐ NO

9i. PROPERLY BONDED TO AIR TERMINALS AND OTHER METAL OBJECTS ON ROOF ☐ YES ☐ NO	
9j. PROPERLY INTERCONNECTED TO OTHER CROSS ROOF CONDUCTORS ☐ YES ☐ NO	9k. DEFICIENCIES

10. DOWN CONDUCTORS

10a. CLASS	10b. TYPE	10c. SIZE	10d. MATERIAL
10e. BEND RADIOUS	10f. SECURELY ANCHORED ☐ YES ☐ NO	10g. PROPER FITTINGS ☐ YES ☐ NO	10h. LOCATED AND SPACED AS SPECIFIED ☐ YES ☐ NO

10i. PROPERLY BONDED TO ROOF CONDUCTORS/AIR TERMINALS AND GROUNDING ELECTRODES ☐ YES ☐ NO
10j. DEFICIENCIES

11. GUARDS

11a. TYPE	11b. PROPER FITTINGS ☐ YES ☐ NO	11c. SOLIDLY ANCHORED ☐ YES ☐ NO

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