THE TOTAL ALLOWABLE CABLE LENGTH USED TO CONNECT UP TO 16 U.S. DEVICES TO EACH U.S. NODE IS 6,315 METERS OR 24,000 FEET.

2. EACH CABLE (OR Wiring) USED TO CONNECT US DEVICES TO THE CONSOLE MUST NOT EXCEED A CAPACITANCE OF 220 μH/FOOT OR 100 μH/FOOT.

3. THE TOTAL CABLE CAPACITANCE, INCLUDING ALL OF THE CABLE USED TO CONNECT THE INTRINSICALLY SAFE DEVICES TO EACH U.S. NODE, MUST NOT EXCEED 520 μH.

4. EACH CABLE MUST NOT EXCEED AN INDUCTANCE OF 0.005 μH/FOOT OR 0.02 μH/FOOT.

5. THE LAY-UP OF THE CABLE MUST NOT EXCEED 200 MHz/MA.

6. FOR EACH TLS-450 CONSOLE INSTALLED, THE MAXIMUM NUMBER OF U.S. DEVICES CONNECTED TO EACH ASSOCIATED APPARATUS IS 16. A MAXIMUM OF 10 TLS CONSOLES CAN BE CONNECTED TO A THERMAL SENSOR NODE (US) NODE, WHERE EACH CONNECTED TLS AREA CONFORMS TO THE U.S. NODE.

7. NON-HAZARDOUS ASSOCIATED APPARATUS MUST BE IN A HAZARDOUS AREA, SUCH AS A GAS-PROOF ENCLOSURE OR A GAS-PROOF ENCLOSURE WITH ANIMAL CORROSION, A SOURCE OF INERTIAL MATERIUM, AND WIRELESS COMMUNICATION BETWEEN THE MAIL 57067-1 TO 69007-1, SEE FIGURE 1, PAGE 5.

8. CONNECT THE GROUNDING TO THE EARTH GROUND BUS AT THE POWER DISTRIBUTION PANEL WITH A 4 mm² (10 AWG) OR LARGER CONNECTING CABLE OF NON-HAZARDOUS SAFETY-CERTIFIED SIEMENS CABLE 69007-11 TO THE INSTALLATION GUIDE MANUAL NO. 57067-1 TO 69007-1, SEE FIGURE 1, PAGE 5.

9. THIS SYMBOL INDICATES A FIELD WIRING CONNECTION BETWEEN A THERMAL PROOF JUNCTION BOX.

10. A FIELD ANALYSIS SHALL BE PERFORMED TO DETERMINE IF THE INSTALLATION LOCATION IS SUITABLE TO INSTALLING OTHER DEVICES. IF NECESSARY, PROTECTION AGAINST LIGHTNING AND OTHER ELECTRICAL SURGE DEVICES ARE TO BE INSTALLED WITHIN THE INSTALLATION GUIDE MANUAL NO. 57067-1 TO 69007-1, SEE FIGURE 2, PAGE 6.

11. INSTALLATION GUIDE MANUFACTURER'S INSTRUCTIONS, INCLUDING THE INSTALLATION GUIDE MANUAL NO. 57067-1 TO 69007-1, SEE FIGURE 1, PAGE 5.

12. EACH U.S. DEVICES MUST BE A FIELD WIRING CONNECTION IN ACCORDANCE WITH 69007-29.

13. FIELD LINE CORDS MUST BE USED FOR THE INSTALLATION GUIDE MANUAL NO. 57067-1 TO 69007-1, SEE FIGURE 1, PAGE 5.

14. THE INSTALLATION GUIDE MANUAL NO. 57067-1 TO 69007-1, SEE FIGURE 1, PAGE 5.

15. THIS SYSTEM DESCRIBES THE INTRINSICALLY SAFE EQUIPMENT AND ASSOCIATED APPARATUS THAT TOGETHER FORM AN INTRINSICALLY SAFE SYSTEM.

16. TLS-450 CONSOLES MUST BE INSTALLED IN AN INDOOR, NON-HAZARDOUS AREA IN ACCORDANCE WITH THE INSTALLATION INSTRUCTIONS. THE INSTALLATION INSTRUCTIONS, ONLY ONE TLS-450 CONSOLE CAN BE CONNECTED TO ANY SINGLE INTRINSICALLY SAFE APPARATUS AS DESCRIBED ON THE SHEET OR TABLE OF THIS DOCUMENT. MULTIPLE SOURCES OF POWER, ADDITIONAL TLS CONSOLES OR OTHER ASSOCIATED APPARATUS, CANNOT BE CONNECTED TO THE SAME INTRINSICALLY SAFE APPARATUS.

17. THE TPS PLUS-1 SERIES PROBE MARKED EX IN IIBT4 OR EX IN IIC T4, WHEN USED WITHIN THIS SYSTEM THE DEVICE IS LIMITED TO GROUP IIA.

18. REFERENCE THE DEVICE CERTIFICATION FOR APPLICABLE STANDARD EDITIONS.