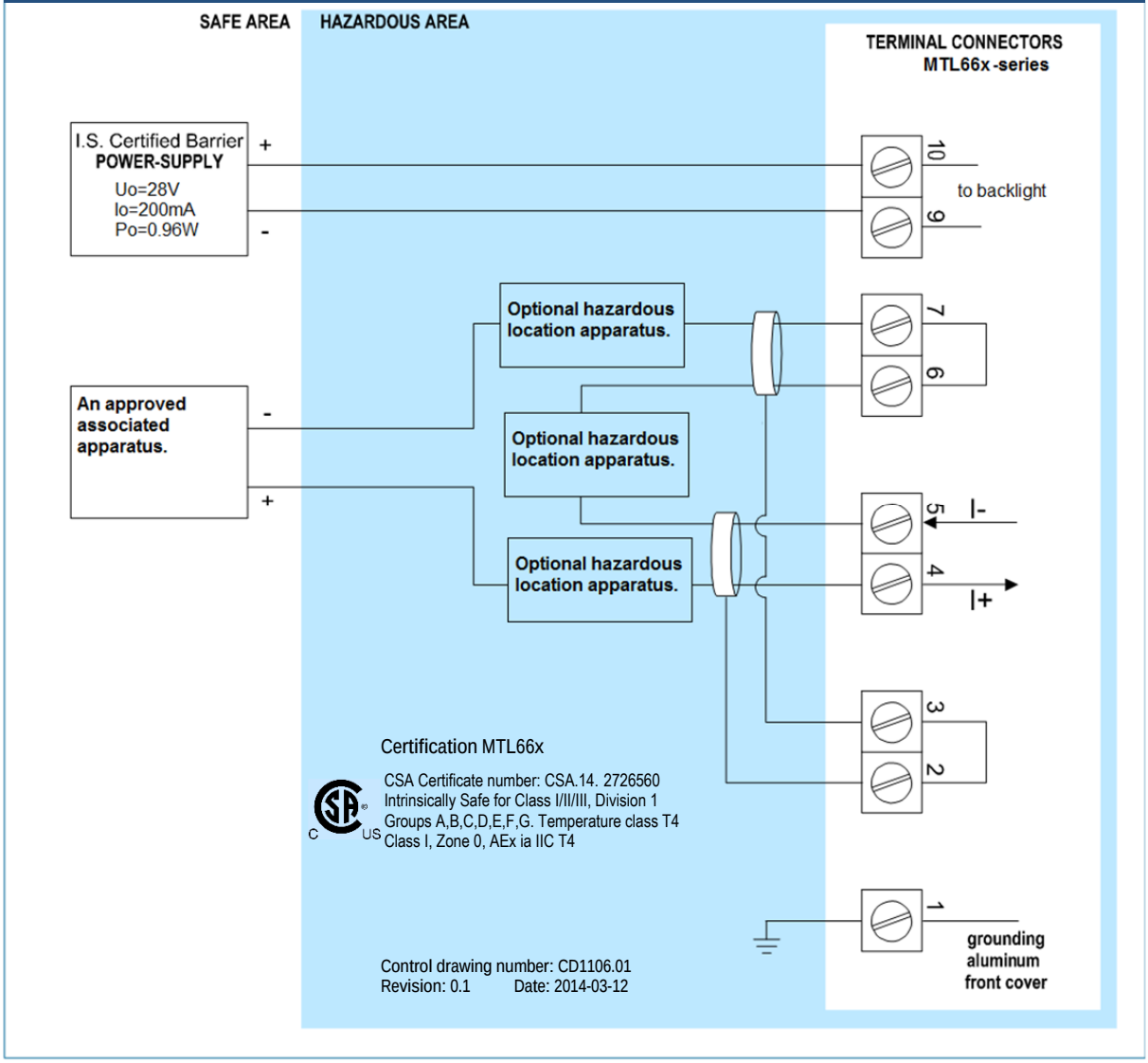
Control Drawing CD1106.01



- The installation must comply with national requirements (e.g. in Canada, the Canadian Electrical Code, Part 1 Appendix F and in USA, the National Electrical Code, NFPA 70, Article 504 and ANSI/ISA-RP 12.6).
- Warning: Substitution of components may impair intrinsic safety.
- For the circuits connected to terminals 4 and 5, 9 and 10, the output parameters of the connected barriers or hazardous location apparatus must meet the following requirements:

  Voc ≤ The lowest Vmax of the CSA Certified apparatus in the circuit
  Isc ≤ The lowest Imax of the CSA Certified apparatus in the circuit
  Pmax ≤ The lowest Pmax of the CSA Certified apparatus in the circuit
  Ca ≥ The sum of the cable capacitance and the internal capacitance Ci of each CSA Certified apparatus installed in the circuit
  La ≥ The sum of the cable inductance and the internal inductance Li of each CSA Certified apparatus installed in the circuit

- Hazardous Location Apparatus – switches, thermocouples or non-inductive resistance devices, or CSA – Certified Apparatus – should be connected in accordance with the manufacturer's installation instructions.
- The cable parameters are determined by the parameters of the system into which the MTL66x - Series General Purpose Indicators are to be connected.
- Terminals 1-3, 6-7 are passive, classified as 'non-energy storing' simple apparatus and can be inserted into any IS loop without recertification.

The entity parameters for MTL66x - Series Loop Powered Displays are as follows:

Terminals 4 and 5 – Input parameters:	Vmax	= 30V	Ci	= 0nF
	Imax	= 200mA	Li	= 0mH
	Pmax	= 1.2W		
Terminal 9 and 10 – Input parameters (backlight)	Vmax	= 28V	Ci	= 0nF
	Imax	= 200mA	Li	= 0mH
	Pmax	= 0.96W		