



CB1 Type Service Enclosure Specifications Document

Ideal for Intersection Projects: The CB1 Model

In line with the Ministère du Transport du Québec (MTQ) standards, the CB1 Service Enclosure emerges as the premier choice for managing your intersection projects. It's designed not just for compliance but to elevate the aesthetics of its surroundings.

Utility and Application

This enclosure stands at the forefront of electrical connectivity at urban intersections, acting as the primary junction to the municipal power grid. Its design ensures the utmost safety for maintenance personnel and safeguards the integrity of the electrical devices connected beyond.

Engineered in accordance with MTQ's Standard 8702, part of Volume VII "Electrical Materials," the CB1 box aligns perfectly with both current electrical and mechanical guidelines, including those exclusively pertaining to service enclosures.

Construction Details:

- **Material:** Crafted from 304 #2B 14G stainless steel, ensuring durability.
- **Dimensions:** Measures an approximate 10 inches in width, 20 inches in height, and 9 inches in depth.
- **Circuit Interruption:** Features a molded case and bolted circuit breaker with a 22kA breaking capacity at 240V across 2 poles, adjustable from 15 to 90A to meet diverse requirements.
- **Door Mechanism:** Utilizes a concealed piano hinge made from 304 stainless steel, secured with a welded joint.
- **Waterproofing:** Conforms to the Nema 3R standard for water resistance.
- **Sealing:** Equipped with a neoprene gasket along the door's perimeter and backing on the housing shoulder for enhanced sealing.
- **Weld Quality:** Welds are performed in accordance with the CSA W47.1 standard and are pickled and passivated as per ASTM A380/A380M and ASTM A967/A967M standards.
- **Mounting Plate:** Includes an unpainted 5052-H32 aluminum plate for equipment mounting.
- **Locking System:** Features a Corbin Brand 1-point lock for secure access.
- **Temperature Resilience:** The Fabric Briefcase ensures operation within a temperature range of -34°C to 74°C.
- **Hardware:** Utilizes 316 stainless steel for superior corrosion resistance.

For more detailed information or inquiries, please contact us at 819-962-5360.