

CANADIAN PRECAST CONCRETE QUALITY ASSURANCE (CPCQA) CERTIFICATION PROGRAM

September 2020

Advisory on Certification Requirements for Precast Concrete Products according to the National Building Code of Canada

To: Whom it may concern

It has come to our attention that some building projects have been tendered to precast manufacturers who are not certified in accordance with the requirements of the National Building Code of Canada. The National Building Code of Canada requires conformance to CSA A23.3 Design of Concrete Structures and CSA A23.4 Precast Concrete - Materials and Construction as follows:

National Building Code of Canada - Division B:

Clause 4.3.3.1.(1) - "Buildings and their structural members made of plain, reinforced and prestressed concrete shall conform to CSA A23.3, Design of Concrete Structures."

Clause A-4.3.3.1.(1) - Precast Concrete- "CSA A23.3, Design of Concrete Structures, requires precast concrete members to conform to CAN/CSA-A23.4, Precast Concrete - Materials and Construction"

CSA A23.3 - Design of concrete structures:

CSA-A23.3 - Clause 16.2.1 - All precast concrete elements covered by this standard shall be manufactured and erected in accordance with CSA A23.4.

CSA A23.4 - Precast concrete - Materials and construction:

CSA-A23.4 - Clause 4.2 - Precast concrete elements produced and installed in accordance with this Standard shall be produced by prequalified manufacturers.

The CPCQA Certification Program for Structural, Architectural and Specialty Precast Concrete Products and Systems is designed to qualify manufacturers who fabricate architectural and structural precast concrete. The purpose of this audit-based program is to provide owners and designers with the confidence that certified precast concrete manufacturers are qualified to manufacture the products they supply to the marketplace, are competent to provide quality precast and have adequate personnel and facilities. Only those precast manufacturers who demonstrate strict conformance to current standards and are committed to continually improving the quality of their products and systems are certified under this program. The program is governed by an independent multidisciplinary body and each plant, in addition to having a mandated number of audits annually, also requires a comprehensive Quality System Manual.

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CPCQA Certification ensures conformance to both Canadian and U.S. standards. Through this certification, manufacturers are certified in accordance to the requirements of CSA Standard A23.4, including Appendices A and B, and with PCI Manuals for Quality Control, MNL-116 and 117.

For more information on the Canadian Precast Concrete Quality Assurance (CPCQA) Certification Program www.precastcertification.ca or contact Bill LeBlanc, P.Eng., B.Sc. Managing Director, (CPCQA) gacadministrator@precastcertification.ca