



August 2, 2017

Co. Code: **CONST7**

Mr. Steve Logan
President
Continental Studwelding Ltd.
35 Devon Road, Brampton, ON, L6T 5B6
Canada

Dear Mr. Logan:

RE: EXTENSION OF STUD BASE QUALIFICATION

Please find enclosed document CONST7 relating to the extension of stud base qualifications for Continental Studwelding Ltd. based on our recent audit at your Brampton, Ontario facility.

Qualification is based on the requirements of CSA Standard W59-2013, and for studs that are not covered under CSA W59-2013, acceptance in accordance with AWS D1.1-2015 and AWS D1.6-2007 has been granted. This applies to the stud bases only, and any changes to these studs or the method of their manufacture that may affect the weld quality of the product must be reported to the Bureau and the stud base may be subject to requalification.

Your product will appear in the Bureau's annual listing of certified fabricators and products which are distributed throughout the fabricating market in Canada and abroad. The designated trade name and sizes will be listed as shown in document CONST7.

Thank you for your cooperation.

Yours very truly,
CANADIAN WELDING BUREAU

Ashiqur Khan, M.Eng., P.Eng.
Procedures and Electrodes

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**STUD BASE QUALIFICATION
FOR
CONTINENTAL STUDWELDING LTD.**

DOC # CONST7

This is to advise Continental Studwelding Ltd. that the studs listed in this document and manufactured at 35 Devon Road, Brampton, Ontario have been re-qualified/ accepted in accordance with **Clause H.4, Appendix H of CSA W59-2013, AWS D1.1- 2015 or AWS D1.6-2007**, as applicable.

The following studs were qualified in accordance with **Clause H.4, Appendix H of CSA W59-2013**:

3/8" (9.5mm) diameter Headed Concrete Anchor
1/2" (12.7mm) diameter Headed Concrete Anchor
5/8" (15.9mm) diameter Headed Concrete Anchor

3/8" (9.5mm) diameter Decon Stud
1/2" (12.7mm) diameter Decon Stud
5/8" (15.9mm) diameter Decon Stud
3/4" (19mm) diameter Decon Stud

3/4" (19mm) diameter Shear Connector
7/8" (22.2mm) diameter Shear Connector

Due to the limitations of **CSA W59-2013**, the following studs have been accepted in accordance with the requirements of **AWS D1.1-2015**:

5/8" (16mm) Deformed Bar Concrete Anchor
3/4" (19mm) Deformed Bar Concrete Anchor

Due to the limitations of **CSA W59-2013**, the following studs have been accepted in accordance with the requirements of **AWS D1.6-2007**:

5/16" (8mm) Stainless Steel Full Base Stud

These diameters of studs are suitable for arc welding to steel members where the stud is in direct contact with the steel and welded under the conditions given for stud welding in **Clause 6 of CSA W59-2013**, using automatically timed stud welding equipment.

In accordance with **Clause H.4.11 of Appendix H, CSA W59-2013**, this qualification shall remain valid until the manufacturer makes any change in the stud base geometry, material flux, or arc shield that affects the welding characteristics. In addition, qualification shall be reviewed by the Bureau at a frequency of three years as stipulated in **Clause H.4.12.1 of Appendix H, CSA W59-2013**.

In addition to the above stated conditions of qualification, any changes to the requirements for stud welding in **CSA W59-2013, AWS D1.1-2015, AWS D1.5-2015, or AWS D1.6-2007** may affect the validity of this qualification.

The above noted qualifications/ acceptance is valid until **November 18, 2020**.



Yours very truly,
CANADIAN WELDING BUREAU

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