14th Floor, Centre Tower
3300 Bloor Street West
Toronto, Ontario
Canada M8X 2X4
Tel.: 416.734.3300
Fax: 416.231.1626
Toll Free: 1.877.682.8772

www.tssa.org

September16, 2013

GABRIEL DOMINGUEZ
WELDING OUTLETS INC
1341 HILL RD
HOUSTON TX 77008
US

Service Request Type.: BPV-National CSA
Service Request No.: 1099792
Your Reference No.:
Registered to.: WELDING OUTLETS INC

Dear GABRIEL DOMINGUEZ,

Please find enclosed the original response from QC,SK, registered under the CRN No.: CSA-0A0952.96R2.

As all jurisdictional fees are handled by the Technical Standards and Safety Authority (TSSA), you do not pay any jurisdictions directly.

Should you have any questions or require further assistance, I will be happy to assist you.
For general enquiries, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Tanya Francis
Administrative Assistant_ BPV Engineering
Tel.: 416-734-3423
Fax: 416-231-6183
Email :tfrancis@tssa.org

NOTE: You cannot save the DATA you entered on this form, you must print a copy and FAX it or MAIL it!

TECHNICAL STANDARDS & SAFETY AUTHORITY
14th Floor, Centre Tower
3300 Bloor Street West
Toronto, Ontario
Canada M8X 2X4

Show facsimile of manufacturer's logo or trademark, as it will appear on the fitting, in the space below

WOI

STATUTORY DECLARATION
Registration of Fittings

I, Gabriel Dominguez, Product Engineer
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of Welding Outlets, Inc. (WOI)
(Name of Manufacturer)

Located at 1341 Hill Rd., Houston, Texas, USA 77039 281-590-0190 281-590-1415
(Plant Address) *(Telephone No.)* *(Fax No.)*

☐ do solemnly declare that the fittings listed hereunder, which are subject to the ***Technical Standards and Safety Act***, Boilers and Pressure Vessels Regulation, comply with all of the requirements of

(Title of recognized North American Standard)

which specifies the dimensions, materials of construction, pressure/temperature ratings, identification marking the fittings and service;

☑ or are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with (See Attached) as supported by the attached data which identifies the dimensions, material of construction, pressure/temperature ratings and the basis for such ratings, the marking of the fitting for identification and service.

I further declare that the manufacture of these fittings is controlled by a quality system meeting the requirements of ISO 9001:2008 which has been verified by the following authority, HSB Registration Services.

The items covered by this declaration, for which I seek registration, are category "A" Pipe Fittings type fittings. In support of this application, the following information and/or test data are attached as follows:

WOI Engineering Databook / Proof Test Reports , DRAWINGS, & NON ASME STANDRRDS
(drawings, calculations, test reports, etc.)

Declared before me at Houston **in the** State **of** Texas

the 26 **day of** February **AD 20** 13.

LISA R. EVANS
My Commission Expires
October 12, 2015

Commissioner for Oaths:

Lisa R. Evans
(Printed name)

Lisa R. Evans
(Signature)

Gl. Dominguez
(Signature of Declarer)

FOR OFFICE USE ONLY

To the best of my knowledge and belief, the application meets the requirements of the ***Technical Standards and Safety Act***, Boilers and Pressure Vessels Regulation, and CSA Standard B51 and is accepted for registration in Category A.

CRN: CSA-OA0952.96R2

Registered by: B. Sandhu

Dated: June 18, 2013

NOTE: This registration expires on: May 4, 2023

CSA INTERNATIONAL
REGISTERED
C.R.N.: CSA-OA0952.96R2
Signed: Bikramjot Sandhu
Date: 18 June 2013
178 Rexdale Blvd., Toronto, ON M9W 1R3

PV 09553 (11/12)

***Note:** See the attachment for the scope of the registration.

23 APRIL 2013

To whom it may concern,

Welding Outlets, Inc. (WOI) seeks Canadian Registration for the following Category "A" and "B" (Fittings and Flanges) in the material, sizes and ratings listed below. If you have any question please do not hesitate to contact us.

Regards,

Gabriel Dominguez

Welding Outlets, Inc.
Gabriel@woihouston.com
(281) 590 – 0190
(281) 598 - 9998

THIS IS PART OF
CRN 0A0952.95R2
Technical Standards & Safety Authority
Boilers & Pressure Vessels
Safety Program

General Note: For all:
Material ONLY as allowed per Code of Construction.
VK 05/02/13

Category "A" – FITTINGS

- MSS SP97 Integrally Reinforced Forged Branch Outlet Fittings
  - Designed By Proof / Burst Tests
    - 90° Butt Weld Branchette®
      - ~~ALL ASTM / ASME Material Grades~~ VK
      - NPS 1/2 in. Through 24 in.
      - STD, X-STG, Sch.160
    - 90° Socket Weld Branchette®
      - ~~ALL ASTM / ASME Material Grades~~ VK
      - NPS 1/2 in. Through 2 in.
      - CLASS 3,000 & 6,000
    - 90° Threaded Branchette®
      - ALL ASTM / ASME Material Grades
      - NPS 1/2 in. Through 2 in.
      - CLASS 3,000 & 6,000
    - 45° Butt Weld Lateral Branchette®
      - ALL ASTM / ASME Material Grades
      - NPS 1/2 in. Through 2 in.
      - STD & X-STG
    - 45° Socket Weld Lateral Branchette®
      - ALL ASTM / ASME Material Grades
      - NPS 1/2 in. Through 2 in.
      - CLASS 3,000 & 6,000
    - 45° Threaded Lateral Branchette®
      - ALL ASTM / ASME Material Grades
      - NPS 1/2 in. Through 2 in.
      - CLASS 3,000 & 6,000

CANADIAN STANDARDS ASSOCIATION
pg 1 of 8
ATTACHMENT TO
CRN CSA-0A0952.96R2
SIGNED Bikramjit Sandhu
178 Rexdale Boulevard, Toronto, ON Canada M9W 1R3

*Branchette® is the WOI trade name for an Integrally Reinforced Forged Branch Connection.

- Nipple Branchette® (A Seamless Butt Weld Branchette® and Pipe Nipple)
  - ALL ASTM / ASME Material Grades
  - NPS 1/2 in. Through 2 in.
  - X-STG, Sch.160, XX-STG
- 90° Butt Weld Insert Branchette®
  - ALL ASTM / ASME Material Grades
  - NPS 1/2 in. Through 12 in.
  - STD, X-STG, Sch.160

- MSS SP95 Swaged Nipple
  - Designed By Proof / Burst Tests
    - Concentric Swage
      - ALL ASTM / ASME Material Grades
      - NPS 3/4 in.
        - Sch.5, Sch.10, Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG
      - NPS 1 in.
        - Sch.10, Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG
      - NPS 1-1/4 in.
        - Sch.10, Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG
      - NPS 1-1/2 in.
        - Sch.10, Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG
      - NPS 2 in.
        - Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG
      - NPS 2-1/2 in.
        - Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG
      - NPS 3 in.
        - Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG
    - Eccentric Swage
      - ALL ASTM / ASME Material Grades
      - NPS 3/4 in.
        - Sch.5, Sch.10, Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG
      - NPS 1 in.
        - Sch.10, Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG
      - NPS 1-1/4 in.
        - Sch.10, Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG
      - NPS 1-1/2 in.
        - Sch.10, Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG
      - NPS 2 in.
        - Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG
      - NPS 2-1/2 in.
        - Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG
      - NPS 3 in.
        - Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG

*Branchette® is the WOI trade name for an Integrally Reinforced Forged Branch Connection.

CANADIAN STANDARDS ASSOCIATION
Pg 2 of 8
ATTACHMENT TO
CRN CSA-OA0952.96R2
SIGNED Balvramjot Sandhu
178 Rexdale Boulevard, Toronto, ON Canada M9W 1R3

05/02/13
BK

- MSS SP79 Socket Welding Reducer Inserts
  - Burst Test or Calculations are not required. Nonproprietary Fitting.
    - ALL ASTM / ASME Material Grades
    - NPS 1/2 in. Through 4 in
    - CLASS 3,000 & 6,000

- MSS SP83 Class 3000 Steel Pipe Unions Socket Welding and Threaded
  - Burst Test or Calculations are not required. Nonproprietary Fitting.
    - ALL ASTM / ASME Material Grades
    - NPS 1/8 in. Through 3 in.
    - CLASS 3,000

- ASME B16.9 Butt Weld Fittings
  - Designed By Proof / Burst Tests
    - Butt Weld Cap
      - ALL ASTM / ASME Material Grades
      - NPS 3/4 in.
        - Sch.5, Sch.10, Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG
      - NPS 1 in.
        - Sch.10, Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG
      - NPS 1-1/4 in.
        - Sch.10, Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG
      - NPS 1-1/2 in.
        - Sch.10, Sch.30, STD, Sch.40, X-STD, Sch.80, Sch.160, XX-STG
      - NPS 2 in.
        - Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG
      - NPS 2-1/2 in.
        - Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG
      - NPS 3 in.
        - Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG

    - Butt Weld 90° Elbow
      - ALL ASTM / ASME Material Grades
      - NPS 3/4 in.
        - Sch.5, Sch.10, Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG
      - NPS 1 in.
        - Sch.10, Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG
      - NPS 1-1/4 in.
        - Sch.10, Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG
      - NPS 1-1/2 in.
        - Sch.10, Sch.30, STD, Sch.40, X-STD, Sch.80, Sch.160, XX-STG

*Branchette® is the WOI trade name for an Integrally Reinforced Forged Branch Connection.

CANADIAN STANDARDS ASSOCIATION
pg 3 of 8
ATTACHMENT TO
CRN CSA-OA0952.96R2
SIGNED Bekramjit Sandhu
178 Rexdale Boulevard, Toronto, ON Canada M9W 1R3

5/02/13

- NPS 2 in.
  - Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG
- NPS 2-1/2 in.
  - Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG
- NPS 3 in.
  - Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG

- Butt Weld 45° Elbow
  - ALL ASTM / ASME Material Grades
  - NPS 3/4 in.
    - Sch.5, Sch.10, Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG
  - NPS 1 in.
    - Sch.10, Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG
  - NPS 1-1/4 in.
    - Sch.10, Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG
  - NPS 1-1/2 in.
    - Sch.10, Sch.30, STD, Sch.40, X-STD, Sch.80, Sch.160, XX-STG
  - NPS 2 in.
    - Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG
  - NPS 2-1/2 in.
    - Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG
  - NPS 3 in.
    - Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG

- Concentric Reducer
  - ALL ASTM / ASME Material Grades
  - NPS 3/4 in.
    - Sch.5, Sch.10, Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG
  - NPS 1 in.
    - Sch.10, Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG
  - NPS 1-1/4 in.
    - Sch.10, Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG
  - NPS 1-1/2 in.
    - Sch.10, Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG
  - NPS 2 in.
    - Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG
  - NPS 2-1/2 in.
    - Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG
  - NPS 3 in.
    - Sch.10, Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG

*Branchette® is the WOI trade name for an Integrally Reinforced Forged Branch Connection.

CANADIAN STANDARDS ASSOCIATION
pg 4 of 8
ATTACHMENT TO
CRN CSA-OA0952.96R2
SIGNED Bikramjot Sandhu
178 Rexdale Boulevard, Toronto, ON Canada M9W 1R3

05/07/1
KK

- NPS 3-1/2 in.
  - Sch.30, STD, Sch.40, X-STG, Sch.80, XX-STG
- NPS 4 in.
  - Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.120, Sch.160, XX-STG
- NPS 5 in.
  - STD, Sch.40, X-STG, Sch.80, Sch.120, Sch.160, XX-STG
- NPS 6 in.
  - STD, Sch.40, X-STG, Sch.80, Sch.120, Sch.160, XX-STG
- NPS 8 in.
  - STD, Sch.40, Sch.60, X-STG, Sch.80, Sch.100, Sch.120, Sch.140, Sch.160, XX-STG
- NPS 10 in.
  - STD, Sch.40, Sch.60, X-STG, Sch.80, Sch.100, Sch.120, Sch.140, Sch.160, XX-STG
- NPS 12 in.
  - Sch.60, X-STG, Sch.80, Sch.100, Sch.120, Sch.140, Sch.160, XX-STG

- Eccentric Reducer
  - ALL ASTM / ASME Material Grades
  - NPS 3/4 in.
    - Sch.5, Sch.10, Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG
  - NPS 1 in.
    - Sch.10, Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG
  - NPS 1-1/4 in.
    - Sch.10, Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG
  - NPS 1-1/2 in.
    - Sch.10, Sch.30, STD, Sch.40, X-STD, Sch.80, Sch.160, XX-STG
  - NPS 2 in.
    - Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG
  - NPS 2-1/2 in.
    - Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG
  - NPS 3 in.
    - Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG

- Butt Weld Tee
  - ALL ASTM / ASME Material Grades
  - NPS 3/4 in.
    - Sch.5, Sch.10, Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG
  - NPS 1 in.
    - Sch.10, Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG
  - NPS 1-1/4 in.
    - Sch.10, Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG

*Branchette® is the WOI trade name for an Integrally Reinforced Forged Branch Connection.

CANADIAN STANDARDS ASSOCIATION
pg 5 of 8
ATTACHMENT TO
CRN CSA-OA0952.96R2
SIGNED Bikramjit Sandhu
178 Rexdale Boulevard, Toronto, ON Canada M9W 1R3

05/07/13

- NPS 1-1/2 in.
  - Sch.10, Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG
- NPS 2 in.
  - Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG
- NPS 2-1/2 in.
  - Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG
- NPS 3 in.
  - Sch.10, Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG
- NPS 3-1/2 in.
  - Sch.30, STD, Sch.40, X-STG, Sch.80, XX-STG
- NPS 4 in.
  - Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.120, Sch.160, XX-STG
- NPS 5 in.
  - STD, Sch.40, X-STG, Sch.80, Sch.120, Sch.160, XX-STG
- NPS 6 in.
  - STD, Sch.40, X-STG, Sch.80, Sch.120, Sch.160, XX-STG
- NPS 8 in.
  - STD, Sch.40 Sch.60, X-STG, Sch.80, Sch.100, Sch.120, Sch.140, Sch.160, XX-STG
- NPS 10 in.
  - STD, Sch.40, Sch.60, X-STG, Sch.80, Sch.100, Sch.120, Sch.140, Sch.160, XX-STG
- NPS 12 in.
  - Sch.60, X-STG, Sch.80, Sch.100, Sch.120, Sch.140, Sch.160, XX-STG

- Butt Weld Lateral
  - ALL ASTM / ASME Material Grades.
  - NPS 3/4 in.
    - Sch.5, Sch.10, Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG
  - NPS 1 in.
    - Sch.10, Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG
  - NPS 1-1/4 in.
    - Sch.10, Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG
  - NPS 1-1/2 in.
    - Sch.10, Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG
  - NPS 2 in.
    - Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG
  - NPS 2-1/2 in.
    - Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG
  - NPS 3 in.
    - Sch.10, Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.160, XX-STG
  - NPS 3-1/2 in.
    - Sch.30, STD, Sch.40, X-STG, Sch.80, XX-STG

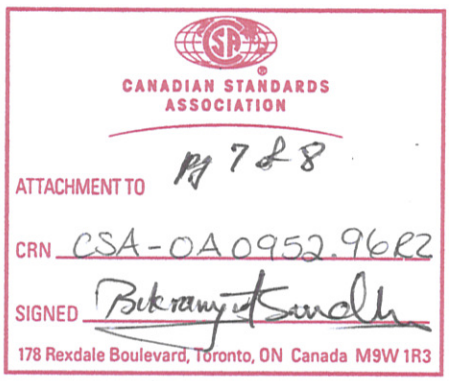
*Branchette® is the WOI trade name for an Integrally Reinforced Forged Branch Connection.

CANADIAN STANDARDS ASSOCIATION
ATTACHMENT TO pg 6 of 8
CRN CSA-OA0952.9682
SIGNED Bekramjit Kmalla
178 Rexdale Boulevard, Toronto, ON Canada M9W 1R3

05/02/13
DL

- NPS 4 in.
  - Sch.30, STD, Sch.40, X-STG, Sch.80, Sch.120, Sch.160, XX-STG
- NPS 5 in.
  - STD, Sch.40, X-STG, Sch.80, Sch.120, Sch.160, XX-STG
- NPS 6 in.
  - STD, Sch.40, X-STG, Sch.80, Sch.120, Sch.160, XX-STG
- NPS 8 in.
  - STD, Sch.40, Sch.60, X-STG, Sch.80, Sch.100, Sch.120, Sch.140, Sch.160, XX-STG
- NPS 10 in.
  - STD, Sch.40, Sch.60, X-STG, Sch.80, Sch.100, Sch.120, Sch.140, Sch.160, XX-STG
- NPS 12 in.
  - Sch.60, X-STG, Sch.80, Sch.100, Sch.120, Sch.140, Sch.160, XX-STG

- ASME B16.11 Forged Fittings, Socket-Welding and Threaded
  - Burst Test or Calculations are not required. Nonproprietary Fitting.
    - Couplings – Full & Half – Socket Weld & Threaded
      - ALL ASTM / ASME Material Grades.
      - NPS 1/8 in. Through 4 in.
      - Class 3M, 6M, AND 9M
    - Caps – Socket Weld & Threaded
      - ALL ASTM / ASME Material Grades.
      - NPS 1/8 in. Through 4 in.
      - Class 3M, 6M, AND 9M
    - 90° Elbows – Socket Weld & Threaded
      - ALL ASTM / ASME Material Grades.
      - NPS 1/8 in. Through 4 in.
      - Class 2M, 3M, 6M, AND 9M
    - 45° Elbows – Socket Weld & Threaded
      - ALL ASTM / ASME Material Grades.
      - NPS 1/8 in. Through 4 in.
      - Class 2M, 3M, 6M, AND 9M
    - Bosses – Socket Weld, Threaded, & Combination
      - ALL ASTM / ASME Material Grades.
      - NPS 1/2 in. Through 2 in.
      - Class 3M and 6M



*Branchette® is the WOI trade name for an Integrally Reinforced Forged Branch Connection.

05/02/13

- Couplets – Socket Weld, Threaded, & Combination
  - ALL ASTM / ASME Material Grades.
  - NPS 1/2 in. Through 2 in.
  - Class 3M and 6M
- Tee – Socket Weld & Threaded
  - ALL ASTM / ASME Material Grades.
  - NPS 1/8 in. Through 4 in.
  - Class 2M, 3M, 6M, AND 9M
- Crosses – Socket Weld & Threaded
  - ALL ASTM / ASME Material Grades.
  - NPS 1/8 in. Through 4 in.
  - ? Class 2M, 3M, 6M, AND 9M
- Plugs / Bushings – Sq. Head, Hex Head, Round Head, Hex Head Bushing, & Flush Bushing
  - ALL ASTM / ASME Material Grades.
  - NPS 1/8 in. Through 4 in.

~~- PFI Standard ES-16 Access Holes, Bosses and Plugs for Radiographic Inspection of Pipe Welds~~
~~- Burst Test or Calculations are not required. Nonproprietary Fitting.~~ NOT in Scope.
~~- ALL ASTM / ASME Material Grades.~~

VK
05/02/13

CANADIAN STANDARDS ASSOCIATION

pg 8 of 8

ATTACHMENT TO

CRN CSA-OA0952.96R2

SIGNED Bekramjot Sandhu

178 Rexdale Boulevard, Toronto, ON Canada M9W 1R3