

To:	TSSA	From:	Janet Townsend
Company:	Engineered Controls International, LLC	Phone:	416-747-4291
Pages:	10	Location:	Toronto
Our File:	ANR-4430	Date:	April 20, 2017

Your File: 2019242

Subject: Request for Design Registration

Dear Ms. Francis,

CSA has reviewed the documentation submitted by TSSA on behalf of Engineered Controls International, LLC.

These fittings have been registered by CSA for the Province of Québec. In accordance with an agreement between CSA, the Provinces of Québec and Saskatchewan; this registration is recognized by Quebec and Saskatchewan. These fittings are acceptable for use in these Provinces.

The letters CSA will be applied as a prefix to the CRN indicate which fittings have been registered in this manner. A copy of the stamped Statutory Declaration is attached.

The CRN is CSA-0H19082.56.

A copy of the Statutory Declaration with an original stamp affixed will be forwarded to you along with our invoice by regular mail.

Yours truly

Janet Townsend Program Manager CSA Group



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



STATUTURY DECLARATION Registration of Fittings	UN		
L CHAD THOMAS, VP GLOBAL ENGINEERING			
(Neme and Position, e.g. President, Plant Meneger, Chief Engineer)			
of ENGINEERED CONTROLS INTERNATIONAL. LLC			
(Name of Menufacturer)		-	
Located at 100 REGO DRIVE, ELON, NC - 27244 336-44			
(Plant Address) (Telephon	,,		
do solemnly declare that the fittings listed hereunder, which are subject to the Technic and Pressure Vessels Regulation, comply with all of the requirements of ASME 831.1	al Standards and Safety Act,	Boilers	
(Title of recognized North American Standard) Which specifies the dimensions, materials of construction, pressure/temperature ratings, identifi	cation marking the fittings and ser		
or are not covered by the provisions of a recognized North American standard and are as supported by the attached data which identifies pressure/temperature ratings and the basis for such ratings, the marking of the fitting for i	therefore menufactured to com the dimensions, meterial of cons	ply with	
I further declare that the manufacture of these fittings is controlled by a quality system meeting to which has been verified by the following authority, UNDERWRITERS LABOR			
The items covered by this declaration, for which I seek registration, are category this application, the following information and/or test data are attached as follows: SEE ATTACHED LIST	type fittings. In su	pport of	
(drawings, calculations, test reports, etc.)			
the 19th day of December AD 2016	or Alaymance	MARIA	ARY PUBLIC
Commissioner for Oaths: Marisa E. Elliott		NORT	ANCE COUNTY 'H CAROLINA
Mainsa E. Elliot (1)	Signature of Declarer)	my cummis	sim expires 8
FOR OFFICE USE ONLY			
To the best of my knowledge and belief, the application meets the requirements of the Technical Standards and Safety Act, Bollers and Pressure Vessels Regulation, and CSA Standard B51 and is accepted for registration in Category	REGISTERED	CSA Brow	,
CRN: CSA - OH19082.56		H19082.56	
Registered by: R. BARNES	CRN:	111100 0.00	-
Dated: APRIL- 15 · 2017		ess administered by	
NOTE: This registration symbos on: IAN · 13 · 2021	CSA Group per C	SA BEI	

CERTIFIED
TRUE COPY
Date: June 147

Colleen Anne Ratcliff.
a Commissioner, etc., City of Toronto, for the Technical Standards & Safety Authority.
Expires July 24, 2019.

PV 09553 (06/16)

Note: See attachment as the scope of registration. — AHachment

REGISTERED

CRN: C5A-OH19082.56

Registration Process administered by CSA Group per CSA B51

Technical Review performed per CSA B51 Performed by: ANRIC Enterprises Inc.

AFTACHMENT A

Category	System Number	Description	scription Drawing Number Body Number Body Material Survice					
H -	MVE10C	Vent Assembly	B-9407-1C	B-9408PT-3	Bronze Cast Alloy LIMS CO2200 ASTRA	Pressure		
			1337A-22 SER	4	Bronze Cast Alloy, UNS C92200, ASTM B61	600		
100				V	Stainless Steel Pipe, ASTM A312, TP304L	600		

CSA CF4

ATTACHMENT TO

178 Rexdate Boulevard, Toronto, GN Canada M9W 1R3

Technical Standards & Safety Authority
Boilers & Pressure Vessels
Safety Program
Safety Program
13

ATTACHMENT, A ARROW POINTS TO OUTLET END RELATIONSHIP OF ARROW TO CORE IMPORTANT 198,13 TEXT SEE NOTE 9 -OPTIONAL RECESSED .030 PAD D VIEW D-D 0 100 MIN-₩ D 4X R.120 A-R.125 FI.000 R.cen R.120 ø -R.190 Ø.810 2X 1.7 100 G R.380 100 MING FL063 ~(Ø.810) ALL AROUND 4X R.120 侗 FL126 E R.120 SECTION B-B OPTIONAL RECESSED .000 PAD WITH RAISED TEXT DETAIL C 1.750 FLAT 194 .13 TEXT RECO SEE NOTE 9 JIDFLAT APPROVĘD/CONTROLLED ARROW POINTS TO OUTLET END RELATIONSHIP OF ARROW TO CORE IMPORTANT FACE OF PAD TO BE PARALLEL TO HORIZONTAL CENTERLINE OF BODY ∑—1=> VIEW E-E D NOTES: 1. SAND CASTING TOLERANCES UNLESS OTHERWISE NOTED: SPLE.015, ALL RADII: .063, FLASH TOL: .020 MAX, ANG TOL: ±1°, CONCENTRICITY: .000 FIM 2. ALL DIMENSIONS ARE PLUS Z DRAFT, UNLESS OTHERWISE NOTED.

3. REMOVE ALL GATES, RISER, FLASH, ETC.

4. REGO TO INSPECT FER 11000-21.

5. DO HOT OVER GRIND HEX PLOTE.

5. DO HOT OVER GRIND HEX POINTS.

6. DO HOT OVER GRIND HEX PLOTE.

7. CASTING SHALL BE LEAK TIGHT WERN SUBJECTED TO 500 PRIG GAS PRESSURE UNDER WATER AFTER MACHINING.

8. SAND BLAIL BELLEAK TIGHT WERN SUBJECTED TO 500 PRIG GAS PRESSURE UNDER WATER AFTER MACHINING.

9. ALL LETTING, FIGURES, ARROWS, SYMBOLS SHARP & LEGBUE, & RASED 370.

10. ALL DISTRIBUTION OF ARROWS AND ARROWS SHARP CORNERS.

11. NO MORE THAN LOS RECESS DUE TO CONTENT AL GRIND, & RASED 370.

11. NO MORE THAN LOS RECESS DUE TO CONTENT AL GRIND, ARROWS ARROWS ARROWS AND WATER ALL SHARP CORNERS.

12. VENDOR THAN LOS RECESS DUE TO CONTENT AL GRIND ARROWS ARROWS AND WATER ALL SHARP CORNERS.

13. VENDOR THAN LOS RECESS DUE TO CONTENT ALL SHARP CORNERS.

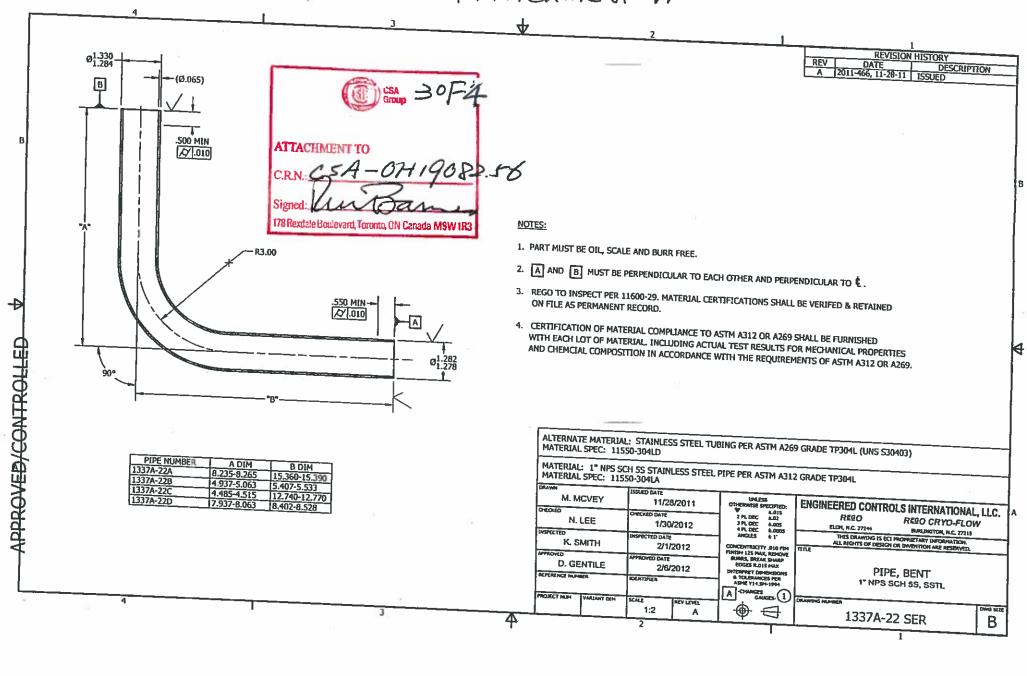
14. VENDOR THAN LOS RECESS DUE TO CONTENT ALL SHARP CORNERS.

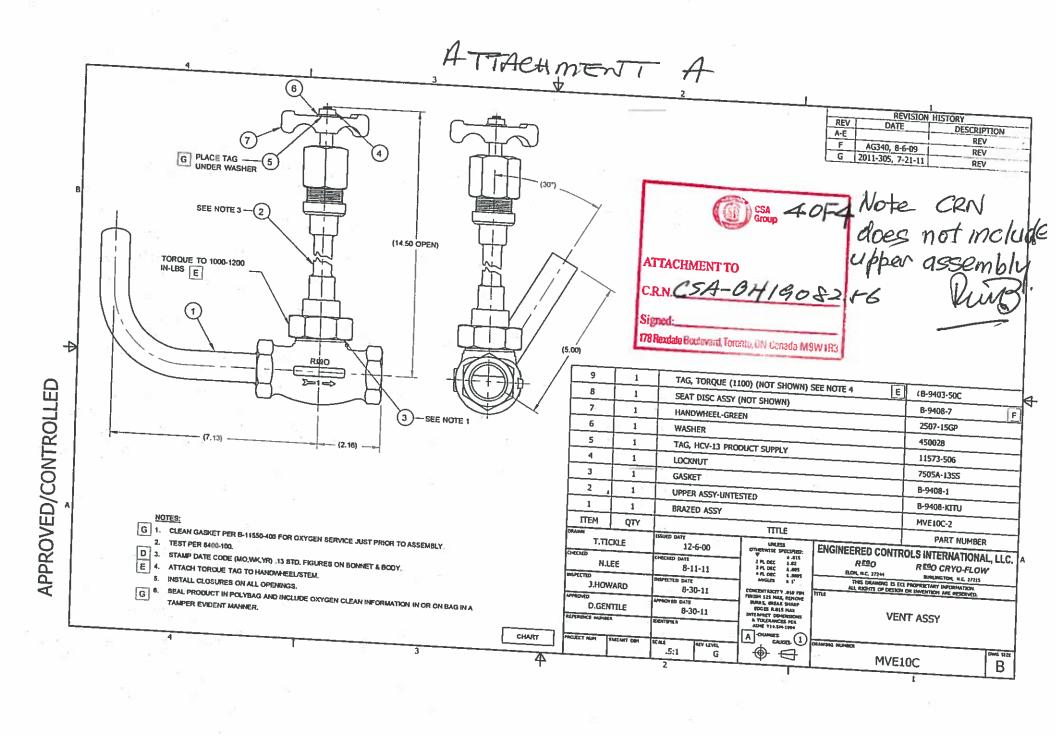
15. VENDOR THAN LOS RECESS DUE TO CONTENT ALL SHARP CORNERS.

16. LES RESERVED AND THE PROPERTIES OF A STANDARD WATER ALL DEFURBABLE OWNERS.

17. JURIS AND THE PROPERTIES OF A STANDARD BOTTOM AND DECLARACY, PROPERTIES IN ACCORDANCE WITH ALL DEFURBABLE OF A STANDARD SHALL BE CAUSE FOR REJECTION OF THE ENTIRE LOT. 2. ALL DIMENSIONS ARE PLUS Z' DRAFT, UNLESS OTHERWISE NOTED. R.120 -2X R.090 -2X .100 MIN G 2X Ø1.720 2X 451 2X R.090 2X .000 -ATTACHMENT TO 2X FL380 MATERIAL BRONZE CASTING ALLOY PER ASTM 881/8584 (UNB C92200) MATERIAL SPEC: 11550-881 (EST WT= 2.00 LBS) F 7.250 R3.000 2X .720 T.TICKLE/NILEE 11/14/1007 SECTION A-A ENGINEERED CONTROLS INTERNATIONAL, LLC. Signed SALES OF THE SALES T. TICKLE 5/20/2014 RESO CRYD-FLOW 178 Rexdale Boolevard, Toronto, ON Canada M9W 1R3 Point J. HOWARD 6/22/2014 D. GENTILE 5/21/2014 CAST, BODY FOR BRONZE GLOBE VALVES • 1:1 B-9407-1C C

ATTACHMENT A









CERTIFICATE



This is to certify that

Engineered Controls International, LLC

100 Rego Drive Elon, NC 27244 United States of America

with the organizational units/sites as listed in the annex

has implemented and maintains a Quality Management System.

Scope:

The design and manufacture of valves, regulators and fittings for the L.P. Gas, Anhydrous Ammonia, LNG, and Compressed Gas Industries.

Through an audit, documented in a report, it was verified that the management system fulfills the requirements of the following standard:

ISO 9001: 2008

Certificate registration no.

10001523 QM08

Date of original certification

1994-10-04

Date of certification

2015-12-22

Valid until

2018-09-14

DQS Inc.

Ganesh Rao Managing Director



MANAGEMENT SYSTEMS CERTIFICATION BODY





Annex to Certificate Registration No. 10001523 QM08

Engineered Controls International, LLC

100 Rego Drive Elon, NC 27244 United States of America

Location

10003889
Engineered Controls International, LLC
3181 Lear Drive
Burlington, NC 27215
United States of America

10003890
Engineered Controls International, LLC
911 Industrial Drive S.W.
Conover, NC 28613
United States of America



178 Rexdale Blvd. Toronto, Ontario Canada M9W 1R3 Tel: (416) 747-4000 www.csagroup.org



March 2017

<u>CRN – Canadian Registration Numbers - Saskatchewan</u>

The Province of Saskatchewan participates with Quebec and the Canadian Standards Association (CSA Group) for the registrations of "Fittings".

Per an agreement with CSA Group in April 1998, Saskatchewan recognizes registrations done by CSA Group and accepts such fittings for use in Saskatchewan.

The letters "CSA" are applied as a prefix to the CRN to indicate which "Fittings" have been registered in this manner. You should inform your clients of this additional marking requirement and that "Fittings" registered by CSA Group are accepted for use in Saskatchewan Canada.