NEW BRUNSWICK NUNAVUT	NOVA SCOTIA YUKON	PRINCE EDWARD ISLANI NORTHWEST TERRITOR		NEWFOUNDLAND AND LABRADOR
MANUFACTURERS NAME: N	Nacro Technologies, LLC			
MANUFACTURERS ADDRESS	12530 135th Avenue NE, Kirl	stand, Washington, 98034		
PLANT LOCATIONS:				
CATEGORY OF FITT	NGS TO SE REGISTERED. C	RCLE ONE CATEGORY OF	AFX	TOTAL OF THE LIAMBARD OF CONSTRUCTION
A Pipe fittings, including couplin 8 Flanges: all fine valves D Expension joints, flatible cont E Streinore, filters, separators, s F Massuring devices, including pressure transmitters G Certified capacity rated press	nections, and hose assemblies: and alsem trapa pressure gauges, level gauges, una ratiof devices acceptable as	ali types sight glasses, levels, or	ction on	ASME B31.3 2010 EDITION
poilers, pressure vessele, pipi H.Pressure retaining component		above categories		
N Nuclear components: Class 1			remonts)	
SHOW MANUFACTURIES NAM	The state of the s	The state of the s		LYPE OF CORSTRUCTION
	Marco Tochnologo Ma			FORRED O WILDED & WADUCHT C CAST O CHIER O GENERAL OTHER
LIST OF SUPPORTING DOCUM	ENTATION AND IDENTIFICA	tion of the actual ites	19 TO BE REC	HSTERED:
DRAWINGS: 13970 CALCULATI	ONS:PVEdc-\$594-0.0(13970)			ì
Probe Assembly (13970)				
DECLARATION:  Lea Character Comments of the proposed of the pr	the end product do salemnly product for which registration	declare that the information is sought. The dimension	on contained na, materials	ig the person having full authority and in this form is true and to the best of of construction, pressure that I further declare that the
manufacture of these fittings is	regulated by a Quality Cont	rol Program which extend	s to each pla	nt where fabrication occurs in whole
or in part and has been verified	by QAS International	as being su	illable for the	t purpose and I make this solemn
declaration conscientiously beli	evino a la ba true, and was	Mind that it is of the same i	lorca and ent	ed as a made under dam.
Signature of Declarer:			JACE	ID HILL DINGS
Declared before me at	KORLAND	USE	HIS	Vointy Public to of Washington
1,300	POIGE AD ZO	17	P FOLL	votary Public
	ADIDAL VO TER	1.34	Sun	re of Washington
Commissioner of Optima or Notary Public: (sign)	=		i Commits	tion Expires June 1, 2015
or Hotaly Fublic. (algri)			A1000000000000000	Part Contract of the Contract
		e for Regulatory Authority use	the case of	GOVERNMENT OF
	gistration must be revalidat	eo aner ren (10) years 110	New of	ACCOMMON AND LABRADOR
CRN: 0H15845.5			Labrac	Jot' Department of
	•			Government Services
FID#: 14746	-		Registere	0415845-50
			Date	2013 3 27
Notes:	a the name of the Liveridant re-		GOVE	RNMENT SERVICES CENTRE
All fittings shall be registered in     Each category shall be support				ering and Ipapedion Services
forms and one copy of supporting	documentation.	5500	Registere	
<ol><li>The declaration shall be made responsibility for the quality of the</li></ol>		mry and	_	
4. Quality control programs shall				R THE AUTHORITY OF THE
at a maximum interval of live (5) y			THE BOIL	BLIGSAFF WAGRANDS2003 ER, PRESSURE VESSELAND ESSED GAS RECULATIONS



505 - 6th Street, Suite 200 New Westminster, BC V3L 0E1

> Toll Free: 1-866-566-SAFE Fax: (778) 396 - 2064 www.safetyauthority.ca

PRESSURE VESSEL ENGINEERING B-120 RANDALL DRIVE WATERLOO ON N2V 1C6 Date:

March 12, 2013

Account #: 45363 Journal #: 56701 Our File #: 5430999

Attn: PATRICK FERNANDES

Re: Application for Design Registration

The design, as detailed in your, DWG 13970, for a Fitting is accepted for registration as follows:

Registered To: MACRO TECH SPEC INC, MACRO CRN: TECHNOLOGIES

0H15845.51

MDMT: -270 deg F

MAWT: 160 deg F

MAWP: 250 psig

Drawing #: 13970

Drawing Revision: A

This design was registered based on a technical review performed by the province of initial registration in accordance with the Association of Chief Inspectors policy on reciprocal recognition of design review.

Contact me if you have any questions. The invoice for registration will be forwarded under separate cover

SURENA DOSANJH (778) 396-2021 Surena.Dosanjh@safetyauthority.ca Design Administration

CC:



9410 - 20 Ave N.W. Edmonton, Alberta, Canada T6N 0A4 Tel: (780) 437-9100 / Fax: (780) 437-7787

March 27, 2013

Attention: Catherine Diplock

PRESSURE VESSEL ENGINEERING INC.

120 RANDALL DRIVE SUITE B WATERLOO, ON N2V 1C6

The design submission, tracking number 2013-01714, originally received on March 07, 2013 was surveyed and accepted for registration as follows:

CRN:

0H15845.52

Accepted on: March 27, 2013

Reg Type:

New Design

Expiry Date: February 25, 2023

Drawing No.: 13970 Rev A

Fitting type: PROBE ASSEMBLY

Design registered in the name of : MACRO TECHNOLOGIES LLC

Description

MAWP

**Design Temperature** 

MDMT

Internal Pressure

1724 kPa

71°C

-168°C

### The registration is conditional on your compliance with the following notes:

This registration is valid only for fittings fabricated at the location(s) covered by the QC certificate attached to the accepted AB-41 Statutory Declaration form. This registration is valid only until the indicated expiry date only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date. Should the approval of the quality management system lapse before the expiry date indicated above, this registration shall become void.

An invoice covering survey and registration fees will be forwarded from our Revenue Accounts. If you have any question don't hesitate to contact me by phone at (780) 433-0281 ext 3331 or fax (780) 437-7787 or e-mail petrusevski@absa.ca.

Sincerely,

PETRUSEVSKI, LJUPCO (LOU)



TECHNICAL STANDARDS & SAFETY AUTHORITY

14th Floor, Centre Tower

3300 Bloor Street West

Toronto, Ontario
Canada M6X 2X4



STATUTORY DI	ECLARATION	
Registration	of Fittings	
1. Fd Hyncovsky	D / . #	
(Name and Position, e.g. President, Plant)	President	
	managar, onar Engineery	
Macro Technologies, LLC (Name of Manufactu	rari	
	,	
Located at 12530 135th Avenue NE, Kirkland, Washington, 98034	425-825-8100	425-825-8101
(Plant Address)	(Telephone No.)	(Tax No.)
do solemnly declare that the fittings listed hereunder, which are su and Pressure Vessels Regulation, comply with all of the requiren	ibject to the <i>Technical Standa</i> nents of	ards and Safety Act, Boilers
(Title of recognized North America	an Standard)	
which specifies the dimensions, materials of construction, pressure/temp	perature ratings, identification mark	king the fittings and service;
or are not covered by the provisions of a recognized North America	an standard and are therefore	manufactured to comply with
pressure/temperature ratings and the basis for such ratings, the mai	I data which identifies the dimens rking of the fitting for identification	on and service.
I further declare that the manufacture of those littings is controlled by a con-	dh. a atam marting the continu	
I further declare that the manufacture of these fittings is controlled by a qua 		ments or
The items covered by this declaration, for which I seek registration, are category		type fittings. In support of
this application, the following information and/or test data are attached as follows:		_ yes made and
DRAWINGS: 13970 CALCULATIONS:PVEclc-5594-0.0(13970)		
(drawings, calculations, test re	aports, etc.)	
Declared before me at Collision in the	STATE	of WASHWAIDW
104		
the day of AD 20 17		TACK DIVABINGON
Commissioner for Oaths:		JACK R HARRISON
June P HARRISON		Notary Public
(Printed name)		State of Washington
(France) realized	X	Commission Expires June 1, 2015
(Signature)	Signature of	f Declarer)
FOR OFFICE USE	ONLY	
To the best of my knowledge and belief, the application meets the requirement	te of the	1 and
Technical Standards and Safety Act, Boilers and Pressure Vessels Regular	Con and	atti Venneta
CSA Standard B51 and is accepted for registration in Category	# 10 m	Ty Program
CRN: 0H 15845.5	L MSTER	ND .
M M alth		
Registered by:	01+1584	5.5
Dated: 9-11-25/13		
	M. Due	
NOTE: This registration expires on Table 25/23	9 1 25	113



14th Floor, Centre Tower 3300 Bloor Street West Toronto, Ontario Canada M8X 2X4 Tel.: 416.734.3300 Fax: 416.231,1626 Toil Free: 1.877.682.8772

www.tssa.org

February 25, 2013

PATRICK FERNANDES PRESSURE VESSEL ENGINEERING LTD. 120 RANDALL DR SUITE B WATERLOO ON N2V 1C6

Service Request Type:

**BPV-Fitting Registration** 

Service Request No.:

928898

Your Reference No.:

PVE-5594

Registered to:

**MACRO TECHNOLOGIES** 

Dear Mr Fernandes,

Technical Standards and Safety Authority (TSSA) is pleased to inform you that your submission has been reviewed and registered as follows:

CRN No.:

0H15845.5

Main Design No.:

13970 REV A

Expiry Date:

25-Feb-2023

Please be advised that a valid quality control system must be maintained for the fitting registration to remain valid until the expiry date.

The stamped copy of the approved registration and the invoice are mailed separately. Should you have any questions or require further assistance, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. We will be happy to assist you. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly

M. M. odl **Gerry Goettl** 

Tel. No.: 416 - 734-3429 Fax. No. 416 - 231-6183

ggoettl@tssa.org

PRINCE EDWARD ISLAND

NOVA SCOTIA

NEW BRUNSWICK

X

NEW BRUNSWICK NUNAVUT	NOVA SCOTIA YUKON	PRINCE EDWARD ISLAND NORTHWEST TERRITORIES	NEWFOUNDLAND AND LABRADOR
MANUFACTURERS NAME: N	lacro Technologies, LLC		
MANUFACTURERS ADDRESS:		E, Kirkland, Washington, 98034	
PLANT LOCATIONS:			
1		D. CIRCLE ONE CATEGORY ONLY	TITLE OF THE STANDARD OF CONSTRUCTION
A Pipe fittings, including coupling B Flanges: all fianges C Valves: all tine valves D Expansion joints, flexible confi			ASME B31.3 2010 EDITION
E Strainers, filters, separators, a F Measuring devices, including p	nd steam traps	173	
pressure transmitters		DOMESTIC CONTROL AND	
boilers, pressure vessels, pipi	ng and fusible plugs	ble as primary over pressure protection on	
H Pressure retaining component  N Nuclear components: Class 1		of the above categories  ], (Meeting CNSC or ASME requirements)	
		GO AS IT WILL APPEAR ON THE PRODUCT	TYPE OF CONSTRUCTION
	Macro Technologie		FORGED   WELDED   WROUGHT   CAST   OTHER   OBSCRIBE OTHER:
LIST OF SUPPORTING DOCUM		FICATION OF THE ACTUAL ITEMS TO BE RE	GISTERED:
DRAWINGS: 13970 CALCULATIO			
Probe Assembly (13970)			
DECLARATION: _Ed HUNCOUSKY			
responsibility for the quality of the my knowledge represents the parent emperature ratings, and identifications.	ne end product do sole roduct for which registr cation markings are in	d by Macro Technologies, LLC and bei minly declare that the Information containe ration is sought. The dimensions, material accordance with the herein named standa Control Program which extends to each pla	d in this form is true and to the best of s of construction, pressure ands. I further declare that the
or in part and has been verified	by QAS International	as being suitable for the	at purpose and I make this solemn
leclaration conscientiously believed	wing it to be true and	knowing that it is of the same force and ef	fect as if made under oath.
Signature of Declarer:		TAC	V ID THAT
Declared before me at	GRIZIAND	USE HIS	K R HARRISON Notary Public te of Washington
his 414 day of Oc	TOPAL AD	2012 0 F. C. A.	Notary Public
Commissioner of Oaths		Commi	rie of Washington
or Notary Public: (sign)		Fig. 8	Expires June 1, 2014 ii
	This:	space for Regulatory Authorities Secureau of	MODELLA NOTICE DE LA PROPERTICION DE LA PORTE DE LA PO
This reg	istration must be reva	ildated after ten (10) years from the prie	acceptance.
CRN: 0H15845.5		PER & PRESSURE VESSE	Y
FID#: 14746			LACT
		REGISTRATION ONLY	
Notes:	N	CRN	45.51
<ol> <li>All fittings shall be registered in</li> <li>Each category shall be supported</li> </ol>			_
forms and one copy of supporting of 3. The declaration shall be made to	focumentation.	SULLE STANINER	1000
responsibility for the quality of the	end product.	S for	
<ol> <li>Quality control programs shall be at a maximum interval of five (5) ye</li> </ol>		on CHIEF BOILER INSPECTOR	Sect. 1.0 - Fittings Rev. 1 06/2003
		DATE: 1/41/15/2	2/3
		□ BLRs □ PVS	
		PITTINGS COMPONE	ENTS

NEW BRUNSWICK NUNAVUT	NOVA SCOTIA YUKON	PRINCE EDWARD ISLAND NORTHWEST TERRITORIES	NEWFOUNDLAND AND LABRADOR
MANUFACTURERS NAME:	Macro Technologies, LLC	·····	
MANUFACTURERS ADDRES	68: 12530 135th Avonua NE, Kirki	and, Washington, 98034	
PLANT LOCATIONS:			
CATEGORY OF FIT	TINGS TO BE REGISTERED, CI	rgle one category only	TITLE OF THE STANDARD OF CONSTRUCTION
C Valves: all intervelves  C Valves: all intervelves  D Expansion Joints, flexible oc  E Strainers, filters, separators  F Messuring devices, includin pressure transmittem.	g pressure gauges, level gauges, s	ell types right glastes, levels, or	ASME 831.3 2010 EDITION
DONOTS, pressure veggels, p	ibing and fualble plans	ofirmaty over pressure protection on	
H Pressure retaining compone	into that do not fall into one of the a	bove celegories	
N Nuclear components: Class	1 Class 2 Class 3 D. (Met	oring CNSC or ASME requirements)	
SHOW MANUEACTURERS NA	ME. TRADEMARK, OR LOGO AS	IT WILL APPEAR ON THE PRODUCT	TYPE OF CONSTRUCTION
	Motor Technologies, M.C.		PARRED C WELDER O WROUGHT G DARY O THIRR C DESIGNARE OTHER:
LIST OF SUPPORTING DOCU	MENTATION AND IDENTIFICATION	IN OP THE ACTUAL TIEMS TO BE RE	DISTERED:
	TIONS:PVEdc-5594-0.0(13970)		
Probe Assembly (13970)			i
,,			1
			1
			Į.
			i
	(*)		i
esponsibility for the quality of hy knowledge represents the emperature ratings, and ident nanufacture of these filtings is in part and has been vertical eclaration conscientiously be legislature of Doctares.	the end product do solemnly diproduct for which registration is fiscation markings are in according regulated by a Quelity Control d by QAS International lieving it to be true and knowing the Control of the Control o	eclare that the information contained sought. The dimencions, materials ance with the herein named standar. Program which extends to each plain as being suitable for the githat it is of the same force and effective to the	ds, I further declare that the nt where fabrication occurs in whole t gurnose and I make this solare
m eidT	oi cologii sinv beteblisve set taum noitestalos	after ten (10) years from the date of	acrond make
	O-1	NOW	SCOTIA
CRN: 0H15845.5	_	(2)	July 1
FID#: 14746		Date Me	arch 15/13 (
	-	C.R.N. OH 159	45.58
Notes: I. All rittings shall be ragistered by		Dwg. 139.70	Rev. A
entroque to year on auprorting			ANT INTO COLUMN TO THE PARTY OF
	by the person having full authority	and Signed Same	na Passu
seponsfollity for the quality of the I. Quality control programs shall		8	
it a maximum interval of five (5) y	rears.	(c)	F 860: 1:0 - FENTES Rev. 1 08/2003
		RE	CUL

cro Technologies, LLC		
12530 135th Avenue NE, Kirl	kland, Washington, 98034	
		TITLE OF THE STANDARD OF CONSTRUCTION
ctions, and hose assemblies: d steem traps assure gauges, level gauges, e relief devices acceptable et and fusible pluge	: ell types , sight glasses, levels, or s primary over pressuré prôtection on	ASME B31.3 2010 EDITION
		TYPE OF CONSTRUCTION
Macro Technologies, LL	e .	PORGED WELDSO & WHOUGHT () CAST () CTHER () DISECRIBE GTHER:
TATION AND IDENTIFICA	TION OF THE ACTUAL ITEMS TO BE RE	GISTERED:
NS:PVEcic-5594-0.0(13970)		
an employed by	Nacon Technologies IIC and hair	
end product do solemnly duct for which registration ation markings are in acco gulated by a Quality Cont y QAS International	r declare that the information contained in is sought. The dimensions, material ordance with the herein named standa trol Program which extends to each pla	a of construction, pressure ards. I further dectare that the ant where fabrication occurs in whole at purpose and I make this solemn
end product do solemnly duct for which registration ation markings are in acc guilated by a Quality Cont y QAS International ing it to be true and know	declare that the information contained is sought. The dimensions, materials ordance with the herein named standard Program which extends to each place as being suitable for the wing that it is of the same force and eff	d in this form is true and to the best of a of construction, pressure ands. I further declare that the ant where fabrication occurs in whole at purpose and I make this solemn
end product do solemnly duct for which registration and the same are in according to the same and the same an	declare that the information contained is sought. The dimensions, materials ordance with the herein named standator for Program which extends to each place as being suitable for the ving that it is of the same force and eff	d in this form is true and to the best of a of construction, pressure rids. I further declare that the ant where fabrication occurs in whole at purpose and I make this solemn fect as if made under oath.  KRHARRISON
end product do solemnly duct for which registration ation markings are in acc guilated by a Quality Cont y QAS International ing it to be true and know	declare that the information contained is sought. The dimensions, materials ordance with the herein named standator Program which extends to each place as being suitable for the wing that it is of the same force and eff	d in this form is true and to the best of a of construction, pressure and it further declare that the ant where fabrication occurs in whole at purpose and I make this solemn fect as if made under oath.  KRHARRISON  Notary Public
end product do solemnly duct for which registration and the same are in according to the same and the same an	declare that the information contained is sought. The dimensions, materials ordance with the herein named standard for Program which extends to each place as being suitable for the ving that it is of the same force and eff	d in this form is true and to the best of a of construction, pressure rids. I further declare that the ant where fabrication occurs in whole at purpose and I make this solemn fect as if made under oath.  KRHARRISON Notary Public te of Washington sion Expires June 1, 2015
end product do solemnly duct for which registration atton markings are in according guilated by a Quality Control of the product of the produ	declare that the information contained is sought. The dimensions, materials ordance with the herein named standator Program which extends to each place as being suitable for the wing that it is of the same force and eff	d in this form is true and to the best of a of construction, pressure and I further declare that the ant where fabrication occurs in whole at purpose and I make this solemn fect as if mede under oath.  KRHARRISON Notary Public te of Washington sion Expires June 1, 2015
end product do solemnly duct for which registration atton markings are in according guilated by a Quality Control of the product of the produ	declare that the information contained is sought. The dimensions, materials ordance with the herein named standard roll Program which extends to each place as being suitable for the wing that it is of the same force and efficient that it is	d in this form is true and to the best of a of construction, pressure rids. I further declare that the ant where fabrication occurs in whole at purpose and I make this solemn fact as if made under oath.  KRHARRISON Notary Public te of Washington sion Expires June 1, 2015
end product do solemnly duct for which registration atton markings are in according guilated by a Quality Control of the product of the produ	declare that the information contained is sought. The dimensions, materials ordance with the herein named stands tool Program which extends to each place of the same force and effect of the	d in this form is true and to the best of a of construction, pressure and . I further declare that the ant where fabrication occurs in whole at purpose and I make this solemn fect as if made under oath.  KRHARRISON Notary Public te of Washington sion Expires June 1, 2015 INCE OF PRINCE FOR
end product do solemnly duct for which registration atton markings are in according guilated by a Quality Control of the product of the produ	declare that the information contained is sought. The dimensions, materials ordance with the herein named stands tool Program which extends to each place of the same force and effect of the	d in this form is true and to the best of a of construction, pressure and . I further declare that the ant where fabrication occurs in whole at purpose and I make this solemn fect as if made under oath.  KRHARRISON Notary Public te of Washington sion Expires June 1, 2015 INCE OF PRINCE FOR
end product do solemnly duct for which registration atton markings are in according guilated by a Quality Control of the product of the produ	declare that the information contained is sought. The dimensions, materials ordance with the herein named standard trol Program which extends to each place as being suitable for the ving that it is of the same force and effective that it is	d in this form is true and to the best of a of construction, pressure and to further declare that the ant where fabrication occurs in whole an purpose and I make this solemn fect as if made under oath.  KR HARRISON Notary Public the of Washington asion Expires June 1, 2015  If acceptance CEPTED INCE OF PRINCE EDWARD ISLAND TRONMENT, LABOUR & JUSTICE
end product do solemnly duct for which registration atton markings are in according guilated by a Quality Control of the product of the produ	declare that the information contained is sought. The dimensions, materials ordance with the herein named standard troi Program which extends to each place in a being suitable for the ving that it is of the same force and effect of the same force a	d in this form is true and to the best of a of construction, pressure and . I further declare that the ant where fabrication occurs in whole at purpose and I make this solemn fect as if made under oath.  KRHARRISON Notary Public te of Washington sion Expires June 1, 2015 INCE OF PRINCE FOR
	12530 135th Avenue NE, Kirings TO BE REGISTERED. (c), tees, elbows, Ys, plugs, uncitions, and hose assemblies a steam traps assembly gauges, level gauges a relief devices acceptable and fusible plugs that do not fall into one of the Class 2 Class 3 Cl. (NTRADEMARK, OR LOGO.)  Macro Technologies, LL.	12530 135th Avenue NE, Kirkland, Washington, 98034  BS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY  In teas, elbows, Ys, plugs, unions, pipe caps, or reducers  ctions, and hose assemblies: ell types distant traps assume gauges, level gauges, sight glasses, levels, or a relief devices acceptable as primary over pressure protection on that do not fall into one of the above categories  Class 2 Class 3 Cl. (Meeting CNSC or ASME requirements)  TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT  Macro Technologies, LLC  Macro Technologies, LLC

néw Brunswick Nunavut	NOVA SCOTIA YUKON	PRINCE COWARD IS NORTHWEST TERRI		NEWFOUNDLAND AND LABRADOR	
MANUFACTURERS I	MAME: Macro Fechnologies, LLC				$\neg$
	ADDRESS. 12530 135th Avenue No	Kirkland, Washington, 9803	1		$\dashv$
PLANT LOCATIONS:					$\dashv$
CATEGORY	OF FITTINGS TO BE REGISTERS	D. CIRCLILONE CATEGORY	ONLY	THE STATE AND AND THE ENGINEERING	<u>e</u>
C Vehres all line vehr O Expension foints, fig il Stretnere, filtere, ecc	ut Mible connections, and hase assemb Satelors, and sisem tract	olica: all types	16	ASME 631.3 2010 EDITION	
G Certified capacity-ra bollers, pressure ver	lad pressure relief devices acceptab	la as primary over pressure pr	atection on		
N Nuclear components	omponents that do not let into one o :: Class 1 🖸 Class 2 🖺 Class 3 🔾	the above culcumbs		_	
SHOW MANUFACTURE	TRE NAME TRACEMARK OR LOC	As IT had I Agosto De	(Jueneulu)		
	Macro Technologies	میں		FORCES D' WELSO TO UNDUSH'S O CAST O O CHES O CHES O SESCRET STHER	
HIST OF BUPPORTING	ROCUMENTATION AND IDENTIF	CATION OF THE ACTUAL IT	EMS YO BE REG	HSTERED:	4
Probe Assembly (1397	NLCULATIONS:PVECIC-5594-0.0(1397)	0)			
Prince Addenion (133)	(0)				
					1
					_
my knowledge represent temperature ratings, end manufacture of these fits	the the product for which registrated identification markings are in a Union is requisited by a Quality C.	llon is sought. The dimens	ions, materials	the person having full authority and in this form is true and to the best of construction, pressure is. I further declare that the tweet phonons are the t	!
or in part bug neg begin	verified by QAS international isly beliaxing it to be true and the	ar halad	en Habla for that	numana and backs the sale of	
_		7	Total and and	2 05 if frigue (white) beut.	
Signature of Declarer: Declared before me at	WODINE		JACK	RHARRISON	
This LITH day of	OGDING AD Z	U S	HISN	othry Public of Washington	
	UGDIGE AD Z	012	o F Schin	of Washington	
or Notary Public: (sign)			Commissi	Sapires 3000 1, 2015	
			C CO PARCON	TUMALHAMA	
	this equation must be revalled. This registration must be revalled.	ated after ten (10) vearuin	I there are	cceptance. Boilers and	
CRN: 0H15845			Nuñavut	Pressure Vossels A	t
FID#: 14746				REGISTERED	
Madas:			N Of Man	15845.5 N	
1 All Raings shall be regis	stered in the name of the Menulocius				
forms and one copy of sug	supported with two Distutory Doctor portets ducumentation.		Date Mo	rch 15, 2013	
3. The declaration shall be	made by the person having full auti	horky and	Signed 2	211	
responsibility for the quality 4. Quality central program	y of the end product. In shall be resubmitted for validation		-	Chief Inspector	
et a maximum interval of li		1		Soul-1.0 - Plange Rev. 1 05:2003	
			Territ	ortal Registration F	ee

MANUFACTURERS NAME: ME		PRINCE EDWARD ISLAND NORTHWEST TERRITORIES	NEWFOUNDLAND AND LABRADOR
1910	cro Technologies, LLC		
MANUFACTURERS ADDRESS:	12530 135th Avenue NE, Kirk	land, Washington, 98034	,
PLANT LOCATIONS:			
CATEGORY OF FITTIN	gs to be registered, c	ACLE ONE CATEGORY ONLY	TITLE OF THE STANDARD OF CONSTRUCTION
A Pipe fittings, including couplings     B Fisnges: all finances     C Valves: all line velves     D Expansion joints, flestble conne     Strainers, filters, caparation, and     Measuring devices, including phymasura transmitters     Contilled capacity-rated prossure     boilors, gressure vasaata globre     boilors, gressure vasaata globre	i, tees, elbowe, Ys, plugs, unk ctione, and hose assembline; d daem trops cesuro gaugos, lovel gauges, : e reliaf davioga acceptable as cand ducible pluce.	ons, pips caps, or reducers all types slight glasses, tausis, or primary over pressure protection on	ASME 831.3 2010 EDITION
referre retaining components (	hat do not fall into one of the	apova calabotina	
EHOW has also sometimes. Class 1 C	Class S D Class 3 D. (Ma	eeting CNSC or ASME requirements)	
	Mesory Tochrologica, LLC	SIT WILL APPEAR ON THE PRODUC	RORGED CI WOLDED TO PRODUCKT DI CAST DI OTHER DI BESCHIEB CHARA:
LIST OF BUPPORTING DOCUMEN	TATION AND IDENTIFICATI	ON OF THE ACTUAL ITEMS TO BE R	EGISTERED:
DRAWINGS; 13970 CALCULATION Probe Assembly (13970)	5:PVEctc-5594-0.0(13970)		
		Macro Technologies, LLC and be	ing the passen bardow hit with the con-
inpetiture ratings, and identificate anufacture of these fittings is region part and has been verified by claration conscientiously believed in alure of Declaration.	on markings are in accurdulated by a Quality Control  QAS International to it to be true, and iscovin	eciare that the information contains s sought. The dimensions, material fance with the herein named stands I Program which extends to each ol	d in this form is true and to the best of a of construction, pressure ands, I further declare that the ant where fabrication occurs in whole
imperature ratings, and identificate anufacture of these fittings is reg in part and has been verified by claration conscientiously believed gnature of Declaration before the state of the	Ion markings are in accurduisted by a Quality Control QAS international to it to be true, shortenowin	eclere that the information contains a sought. The dimensions, material lance with the herein nemed stands if Program which extends to each piece as being cultable for the grant it is of the same force and effective that it is of the same f	d in this form is true and to the best of a of construction, pressure ands, I further declare that the and where fabrication occurs in whole at purpose and I make this solemn fect as if made under oath.  KREARRISON
mperature ratings, and identificate anufacture of these fittings to reg in part and has been verified by cleration conscientiously believed inature of Declaration characteristics at the clared before one at the clared bef	on markings are in accurdulated by a Quality Control  OAS International  OIL In the true, and leadyin	eclere that the Information contains a sought. The dimensions, material lance with the herein nemed stands in Program which extends to each plus being sullable for the gram that it is of the same force and effective that it is of the same f	d in this form is true and to the best of a of construction, pressure ands, I further declare that the ant where fabrication occurs in whole
npersture ratings, and identification in part and has been verified by claration conscientiously believed in part and has been verified by claration conscientiously believed in alure of Declaration conscientiously believed in alure of Declaration and the second before one at the claration of Declaration o	Ion markings are in accurdulated by a Quality Control QAS International QIS International QIS I AD QUALITY AD QUALITY This apage for	eclere that the Information contains a sought. The dimensions, material lance with the herein nemed stands in Program which extends to each plus being suitable for the githet it is of the same force and effective in the sa	d in this form is true and to the best of a of construction, pressure and it. I further declare that the and where fabrication occurs in whole at purpose and I make this solemn fect as if made under oath.  KRHARRISON Notary Fublic fe of Washington stee Expires June 1, 2015
npersture ratings, and identification in part and has been verified by, claration conscientiously believed in part and has been verified by, claration conscientiously believed in attracts of Declaration conscientiously believed in attracts of Declaration conscientiously believed in attracts of Declaration in the part of Declaration in the Declaration in the part of Declaration in the Declaration	Ion markings are in accurdulated by a Quality Control QAS International QIS International QIS I AD QUALITY AD QUALITY This apage for	eclere that the Information contains a sought. The dimensions, material lance with the herein named stands in Program which extends to each plus being sullable for the githet in it is of the same force and effective to the same force and effective that it is of the same force and ef	d in this form is true and to the best of a of construction, pressure and it. I further declare that the and where fabrication occurs in whole at purpose and I make this solemn fect as if made under oath.  KRHARRISON Notary Fublic fe of Washington stee Expires June 1, 2015
mperature ratings, and identificate anufacture of these fittings to regular part and has been verified by claration conscientiously believed produced to the produce of Declaration conscientiously believed produced before as at the produced before as at	Ion markings are in accurdulated by a Quality Control QAS international QIS International QIS I AD QUALITY AD QUALITY This apage for	eclere that the Information contains a sought. The dimensions, material lance with the herein nemed stands in Program which extends to each plus being suitable for the githet it is of the same force and effective in the sa	d in this form is true and to the best of a of construction, pressure and it. I further declare that the and where fabrication occurs in whole at purpose and I make this solemn fect as if made under oath.  KRHARRISON Notary Fublic fe of Washington stee Expires June 1, 2015
mperature ratings, and identificate anufacture of these fittings is regular part and has been verified by, claration conscientiously believed gnature of Declaration conscientiously believed gnature of Declaration and the property of the p	Ion markings are in accurdulated by a Quality Control QAS international QIS International QIS I AD QUALITY AD QUALITY This apage for	eclere that the Information contains a sought. The dimensions, material lance with the herein nemed stands in Program which extends to each plus being sullable for the gram that it is of the same force and effectively.  USE  Figure Regulatory Authority use after ten (10) years from the date of	d in this form is true and to the best of a of construction, pressure and it. I further declare that the and where fabrication occurs in whole at purpose and I make this solemn fect as if made under oath.  KRHARRISON Notary Fublic fe of Washington stee Expires June 1, 2015

NEW BRUNSWICK

NEW BRUNSWICK NUNAVUT	NOVA SCOTIA YUKON	PRINCE EDWARD ISLAND NORTHWEST TERRITORIES	NEWFOUNDLAND AND LABRADOR
MANUFACTURERS NAME:	Macro Technologius, LLC		
MANUFACTURERS ADDRE	SS. 12530 135th Avenue NE	Kirkland, Washington, 98034	
PLANT LOCATIONS:			
CATEGORY OF F	TTINGS TO BE REGISTERE	D. GIRCLE ONE CATEGORY ONLY	TITLE OF THE ITANDARD OF CONSTRUCTION
A Pipe fittings, including could Flenges all flanges C Valves all line valves D Expansion joints, flexible of E Strainers, fitters, separation F Measuring davices, including pressure transmitters	plings, tees, elbows, Ys, plugs cannections, and hose assemb s, and steam traps ig pressure gauges, level gau ssure relief devices acceptabl	, unions, pipe caps, or reducers	ASME B31.3 2010 EDITION
H Pressure retaining componi	ents that do not fall into one of	f the above calegories	
		(Meeting CNSC or ASME requirements)	
SHOW MANUFACTURERS NO	ME, TRADEMARK, OR LOC	O AS IT WILL APPEAR ON THE PRODUC	T TYPE DE CONSTRUCTION
. 5	Macro Technologion,		FORGED   WELDED WINDUGHT G CAST   OTHER   DESCRIBE OTHER
LIST OF BUPPORTING DCC		CATION OF THE ACTUAL ITEMS TO BE F	ECISTERRO:
	TIONS:PVEdic-5594-0.0(1397)		DESTRICT COMM.
y knowledge represents the mperature ratings, and identical anulacture of these fittings it in part and has been verifial electration conscientiously be ghature of Declarer:    Colleged before me at the colleged before me at t	product for which registrat iffication markings are in as a regulated by a Quality Co d by QAS international lieving it to be true, and he	only declare that the information contained in is sought. The dimensions, materia coordance with the herein named stand outrol Program which extends to each pas being suitable for the owing that it is of the same force and effective that it	ards. I further declare that the lant where tabrication occurs in whole hat ourpose and I make this solemn frect as if made under oath.  KR HARRISON Notary Public
Notary Public: (sign)		8	ssion Expires June 1, 2015
	This spa	toe for Regulatory Authority use	
This re	egistration must be revalida	aled after len (10) years from the base of	of acceptance.
RN: 0H15845.5	-	(S) av	- 1 2
otes:  All fittings shall be registered in Each category shall be supporting and one copy of supporting the declaration shall be made sponeitisty for the quality of the Quality control programs shall	led with two Statutory Declara documentation. by the person having full auth and product.	ntion Sch	ERS BRANCH
a maximum interval of five (5) y			Sed. 1.0 - Fittings Rev. 1 08/2003