



Inspection and Technical Services Manitoba
500 - 401 York Avenue
Winnipeg Manitoba R3C 0P8
T (204) 945-3373
F (204) 948-2309
www.firecomm.gov.mb.ca/codes_steam_pressure.html

March 25, 2015

Anric Enterprises Inc.
Suite 202-701 Evans Ave.
Toronto, ON
M9C 1A3

Attn: Alicia Czerniawski

REGISTRATION OF DESIGN

Manufacturer: CP Industries

The design(s) for the following Boiler/Pressure Vessel/Heat Exchanger has been received by us and has been examined and accepted for registration in the Province of Manitoba as follows.

MAIN DRAWING	REVISION	CRN	PRESSURE	TEMPERATURE	FILE
0038-02-00-00-CRN	0	R1141.54	3600 PSI	180°F	34968

An invoice covering survey and registration fees is enclosed.

NOTES:

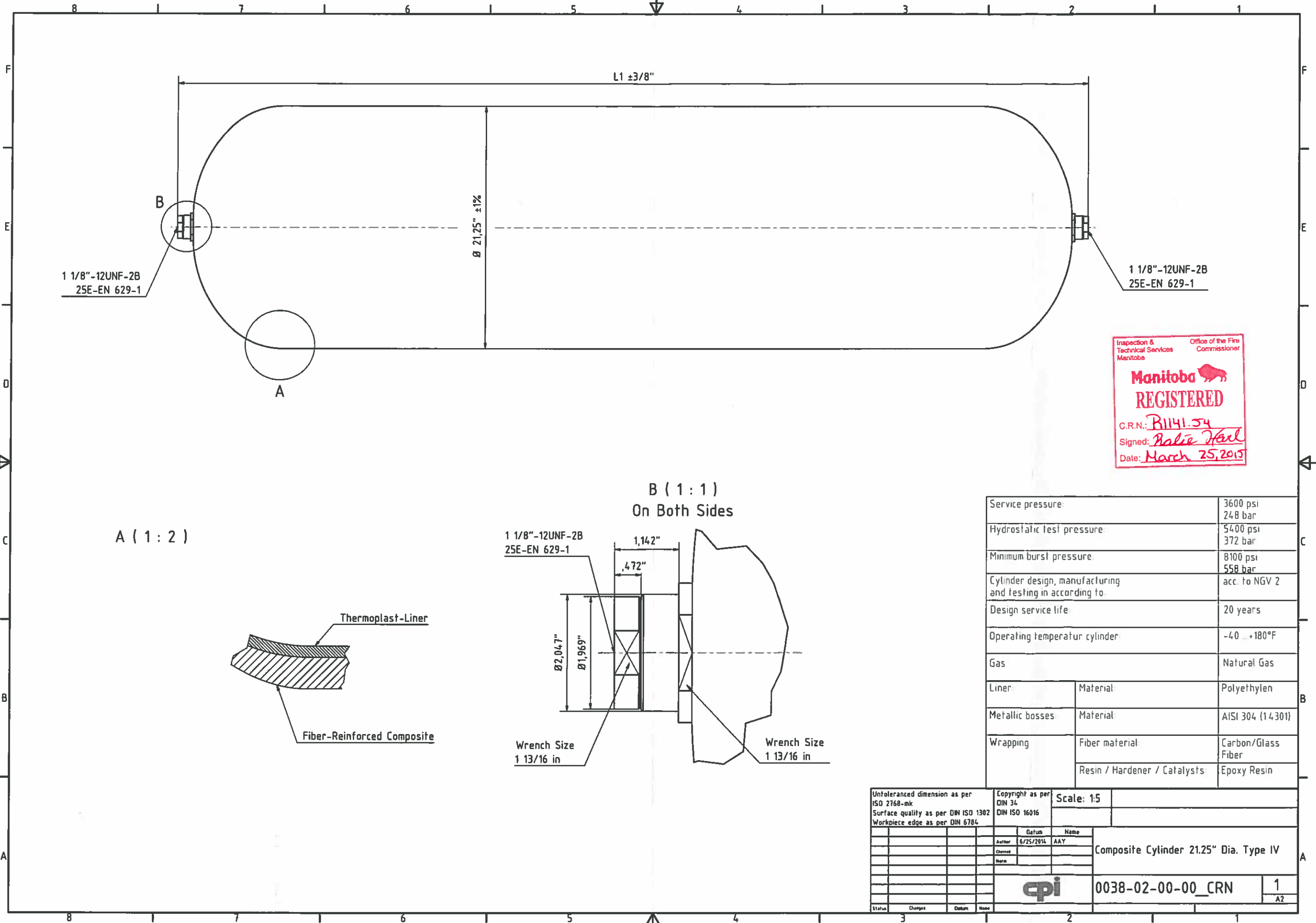
1. *CRN registered under reciprocal agreement & is conditional based on compliance with the notes set by the original issuing Jurisdiction: TSSA.*
2. *ANSI NGV 2- CNG type IV cylinder.*
3. *Service Life: 20 years.*

In addition to stamping every vessel with the registration number given above, and as required by CSA Code B51, a **Manufacturer's Data Report must be forwarded to this office** immediately at the time a unit is shipped to Manitoba.

The registration of this design does not relieve the manufacturer, the owner or his agent of the responsibility for the design or construction of a boiler, pressure vessel, or fired heater coil in accordance with the applicable Acts, Codes and Standards. Inspection and Technical Services assumes no responsibility by registering designs, examining plans and/or inspecting equipment or facility.

Yours truly,

Rabie Harb, E.I.T.
Design Surveyor
Office of the Fire Commissioner
Inspection and Technical Services Manitoba
500 - 401 York Avenue
Winnipeg, Manitoba, R3C 0P8
Phone: 204-945-3373
Email: rabie.harb@gov.mb.ca



Inspection & Technical Services
 Manitoba
 Office of the Fire Commissioner
Manitoba REGISTERED
 C.R.N.: B1141-54
 Signed: *Patric Heul*
 Date: *March 25, 2015*

Service pressure:	3600 psi 248 bar
Hydrostatic test pressure:	5400 psi 372 bar
Minimum burst pressure:	8100 psi 558 bar
Cylinder design, manufacturing and testing in according to:	acc. to NGV 2
Design service life:	20 years
Operating temperatur cylinder:	-40 ... +180°F
Gas:	Natural Gas
Liner:	Material: Polyethylen
Metallic bosses:	Material: AISI 304 (1.4301)
Wrapping:	Fiber material: Carbon/Glass Fiber
	Resin / Hardener / Catalysts: Epoxy Resin

Untoleranced dimension as per ISO 2768-mk Surface quality as per DIN ISO 1302 Workpiece edge as per DIN 6784		Copyright as per DIN 34 DIN ISO 16016		Scale: 1:5
Author	Datum	Name	Composite Cylinder 21.25" Dia. Type IV	
6/25/2016	AAY			
		0038-02-00-00_CRN	1 / A2	

COMPOSITE CYLINDER SPECIFICATIONS			COMPOSITE CYLINDER SPECIFICATIONS		
Length L1 (in.) +- 1/2"	Volume @Pw +- 2% Liters	Weight +- 3% lbs	Length L1 (in.) +- 1/2"	Volume @Pw +- 2% Liters	Weight +- 3% lbs
60	246	177	91	398	277
61	251	180	92	403	280
62	256	184	93	408	283
63	261	187	94	413	286
64	266	190	95	418	289
65	271	193	96	422	292
66	275	197	97	427	296
67	280	200	98	432	299
68	285	203	99	437	302
69	290	206	100	442	305
70	295	210	101	447	308
71	300	213	102	452	311
72	305	216	103	457	314
73	310	219	104	462	318
74	315	223	105	467	321
75	320	226	106	471	324
76	324	229	107	476	327
77	329	232	108	481	330
78	334	236	109	486	333
79	339	239	110	491	337
80	344	242	111	496	340
81	349	245	112	501	343
82	354	248	113	506	346
83	359	251	114	511	349
84	364	255	115	516	352
85	369	258	116	520	355
86	373	261	117	525	359
87	378	264	118	530	362
88	383	267	119	535	365
89	388	270	120	540	368
90	393	274			

Untoleranced dimension as per ISO 2768-mk Surface quality as per DIN ISO 1302 Workpiece edge as per DIN 6784		Copyright as per DIN 34 DIN ISO 16016		Scale: 1:5
Author: 6/25/2016 Checked: Name:		Datum: AAY Name:		Composite Cylinder 21.25" Dia. Type IV
Status:		Changes:		0038-02-00-00_CRN
Datum:		Note:		2 A2