ABSA
the pressure equipment safety authority

Design Registration Application Supplemental Sheet

Mail Form to: ABSA
9410 – 20th Avenue
Edmonton, AB
Canada T6N 0A4

Minimum Required Information from the Submitter for Pressure Vessels, Heat Exchangers and Boilers

Please Check off the Appropriate Box

A	DESIGN SUBMISSION INCLUDES THE FOLLOWING:	Yes Provided	No N/A
A.1	Complete form AB-31 (Page 1)	☐	☐
A.2	Proof of other province registration, as applicable	☐	☐
A.3	Design drawing **Note:** With professional engineer's stamp and signature if required by Code of Construction	☐	☐
A.4	ASME code calculations and/or proof test results, as applicable	☐	☐
A.5	If cannot be calculated per Code and Finite Element Analysis method has been used, FEA report shall meet AB-520 requirements with professional engineer's stamp and signature	☐	☐
B	**DESIGN DRAWING INCLUDES THE FOLLOWING:**		
Design Conditions			
B.1	Code of Construction, edition and addenda	☐	☐
B.2	Identifying degree of radiographic examination (or UT)/detail description extent of RT4, if applicable	☐	☐
B.3	MAWP and design temperature; test pressure	☐	☐
B.4	Minimum design metal temperature, as applicable	☐	☐
B.5	If designed with cyclic service, provide applicable pressure and/or temp. cycle and # of cycles	☐	☐
B.6	Service fluid and specific gravity	☐	☐
B.7	Heat treatment, holding time and temperature, as applicable	☐	☐
B.8	Impact testing temperature and energy or exemption paragraph(s), as applicable	☐	☐
B.9	Corrosion allowance	☐	☐
B.10	If Code Case is applied, provide Code Case Number	☐	☐
B.11	For Boilers-Heating surface area and steaming capacity, as applicable	☐	☐
B.12	If design conditions/loadings per U-2(a)(1), U-2(a)(2)(-a), or UG-22 are applicable, provide the details of the design conditions/loadings	☐	☐
Dimensions			
B.13	Material specification for all pressure retaining components	☐	☐
B.14	Vessel diameter and wall thickness	☐	☐
B.15	Vessel length (minimum and maximum, as applicable), volume	☐	☐
B.16	Head type with appropriate rad./dia. and nominal & specified min. thk. after forming	☐	☐
B.17	Nozzle location diameter and wall thickness	☐	☐
B.18	Nozzle reinforcement pad diameter and thickness	☐	☐
B.19	Flange and associated gasket parameters and bolt sizes	☐	☐
B.20	Weld details and sizes	☐	☐
B.21	Inspection openings, size and location	☐	☐
For Fixed Tubesheet Heat Exchanger			
B.22	Mean metal temperatures for shell and tubes	☐	☐
B.23	Specify all design and operating conditions that are considered in the design of the main components of the heat exchanger	☐	☐

Main Drawing No(s)._____

By signing below, the submitter agrees that it is his/her responsibility to ensure that the above required information is provided in the submission.

Failure to provide the minimum required information specified above may result in delay of review or refusing registration of the design.

Signature: _____ Date: _____