

REQUEST FOR EVALUATION OF AN ALTERNATIVE SOLUTION FOR PLUMBING

SECTION A – PROJECT INFORMATION

PROJECT INFORMATION	Building Address (including Unit #)	Legal Description (optional)
	Work Description	

OWNER	Contact Name		Company Name (if applicable)	
	Address		City	Province
	Postal Code	Phone Number (incl. Area Code)		Fax Number (incl. Area Code)
		Email Address (optional)		

PROFESSIONAL ENGINEER	Contact Name		Company Name (if applicable)	
	Address		City	Province
	Postal Code	Phone Number (incl. Area Code)		Fax Number (incl. Area Code)
		Email Address (optional)		

SECTION B – SUBMISSION REQUIREMENTS

A REQUEST FOR EVALUATION OF AN ALTERNATIVE SOLUTION will only be considered if <u>all</u> of the items listed below are submitted in addition to this application form.	Submitted	Received (office use only)
DESCRIPTION of the proposed Alternative Solution.	<input type="checkbox"/>	<input type="checkbox"/>
QUALIFICATIONS of the engineer responsible for the design.	<input type="checkbox"/>	<input type="checkbox"/>
DETAILED CODE ANALYSIS which includes:	<input type="checkbox"/>	<input type="checkbox"/>
A. Identification of applicable existing code provisions.	<input type="checkbox"/>	<input type="checkbox"/>
B. Identification of applicable objectives and functional statements in the 2005	<input type="checkbox"/>	<input type="checkbox"/>
C. An evaluation of the performance level of applicable code provisions.	<input type="checkbox"/>	<input type="checkbox"/>
D. An evaluation of the performance level of the proposed Alternative Solution.	<input type="checkbox"/>	<input type="checkbox"/>
E. Identification of any assumptions, limiting or restricting factors.	<input type="checkbox"/>	<input type="checkbox"/>
F. Identification of testing procedures, engineering studies, plumbing performance parameters, etc. to support the code compliance assessment.	<input type="checkbox"/>	<input type="checkbox"/>
DOCUMENTATION of operational or maintenance requirements necessary after	<input type="checkbox"/>	<input type="checkbox"/>
OTHER SUPPORTING DOCUMENTATION (see Section D for examples)	<input type="checkbox"/>	<input type="checkbox"/>

**REQUEST FOR EVALUATION OF AN ALTERNATIVE
SOLUTION FOR PLUMBING****SECTION C – DECLARATION AND SIGNATURES****BY SIGNING THIS FORM, THE OWNER OR THE OWNER’S AGENT EXPRESSLY ACKNOWLEDGES:**

- That the owner has knowledge of, and is in agreement with, this request for evaluation of an alternative solution, including the supporting documentation submitted with the request;
- That the alternative solution being requested is intended to provide an alternative to the strict provisions of the requirements of the *National Plumbing Code* 2005, and/or the standards and regulations there under; and
- That it is the responsibility of the owner to provide and maintain safety in accordance with the alternative solution.

TAKE NOTICE THAT, IF THE ALTERNATIVE SOLUTION IS PERMITTED:

- Failure to comply with the specifications of the alternative solution will result in the permit being closed with deficiencies;
- Terms of the alternative solution shall not be subject to review or appeal;
- The granting of an alternative solution is case specific and is of no binding effect in respect of subsequent applications.

FURTHER TAKE NOTICE THAT a decision to refuse approval of an alternative solution is not subject to review or an appeal.

I certify that I have read and agree to abide by the conditions above, and that all information contained within this application is correct.

Name of Owner/Owner’s Agent (Print)

Signature of Owner/Owner’s Agent

Date Received

**REQUEST FOR EVALUATION OF AN ALTERNATIVE
SOLUTION FOR PLUMBING****SECTION D – GENERAL INFORMATION**

This section is intended to provide assistance in the completion of this application form. Please read this information thoroughly when completing this application.

SECTION A – PROJECT INFORMATION

This section is intended to provide general information on the specific project being applied for. The information in this section is required in order for a request for evaluation of an alternative solution to be reviewed by the Building Standards Division.

- **WORK DESCRIPTION** – Provide a brief description of the scope of work, including the type of plumbing system to be constructed or altered.
- **DESIGN PROFESSIONAL** – Alternative solutions are only accepted from engineers licensed to practice in the province of Saskatchewan. An owner or contractor may apply for an alternative solution, however, the required documentation must be prepared by a qualified engineer. Where the design of a plumbing system includes proposed alternative solutions that involve more than one person taking responsibility for different aspects of the design, the applicant for the permit shall identify a single person to co-ordinate the preparation of the design, Code analysis and documentation referred to herein as per Sentence 2.3.1.1(6), Division C of the *National Plumbing Code (NPC)* 2005.

SECTION B – SUBMISSION REQUIREMENTS

This section is intended to provide the applicant and design team with information regarding the minimum amount of supporting information required with the Request for Evaluation of an Alternative Solution. Building Standards reserves the right to request further information during review in support of any proposed alternative solution.

- **DESCRIPTION OF THE PROPOSED ALTERNATIVE SOLUTION:** Documentation must be provided to demonstrate that the proposed alternative solution complies with the NPC and the Saskatchewan Plumbing Regulations.
- **QUALIFICATIONS OF THE ENGINEER RESPONSIBLE FOR THE DESIGN:** Alternative Solutions must be prepared by an engineer licensed to practice in the province of Saskatchewan and be experienced in the type of work being proposed in the alternative solution.
- **DETAILED CODE ANALYSIS:** This code analysis must outline the analytical methods and rationales used to determine that a proposed alternative solution will achieve at least the level of performance required by NPC and the Saskatchewan Plumbing Regulations. All information in the Code Analysis shall be in sufficient detail to convey the design intent and to support the validity, accuracy, relevance and precision of the Code Analysis as per Sentence 2.3.1.1(5) of Division C of the 2005 NPC. The detailed Code Analysis must include the following:
 - A. **IDENTIFICATION OF APPLICABLE REQUIREMENTS IN THE NPC & SASKATCHEWAN PLUMBING REGULATIONS:** Reference the requirements in NPC and the Saskatchewan Plumbing Regulations that would typically apply, and what the proposed alternative solution is attempting to satisfy by an alternative method.
 - B. **IDENTIFICATION OF APPLICABLE OBJECTIVES AND FUNCTIONAL STATEMENTS:** Identify the objectives and functional statements associated with the Plumbing Code requirements.
 - C. **AN EVALUATION OF THE PERFORMANCE LEVEL OF APPLICABLE DIVISION B PROVISIONS:** Address the performance level attempting to achieve with the referenced requirements in the NPC and the Saskatchewan Plumbing Regulations.

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- D. AN EVALUATION OF THE PERFORMANCE LEVEL OF THE PROPOSED ALTERNATIVE SOLUTION: Evaluate how the proposed alternative solution will meet the performance level expected for the referenced requirements.
 - E. IDENTIFICATION OF ANY ASSUMPTIONS, LIMITING OR RESTRICTING FACTORS: Identify the assumptions, limiting or restricting factors involved in the evaluation of the proposed alternative solution.
 - F. IDENTIFICATION OF TESTING PROCEDURES, ENGINEERING STUDIES, PLUMBING SYSTEM PERFORMANCE PARAMETERS, ETC. TO SUPPORT THE ASSESSMENT FOR COMPLIANCE
- DOCUMENTATION OF OPERATIONAL OR MAINTENANCE REQUIREMENTS NECESSARY AFTER INSTALLATION IS COMPLETED: Information concerning any special maintenance or operational requirements, including any plumbing system component commissioning requirements, that are necessary for the alternative solution to achieve compliance with the Code after the plumbing system is installed must be provided. The plumbing system must be maintained in compliance with the codes under which it was built, which includes any alternative solutions used.
- OTHER SUPPORTING DOCUMENTATION: This includes other information or items that may be helpful in the review of the proposed alternative solution, including:
- A list of submitted documents.
 - A reason for the proposed alternative solution.
 - A list of applicable sections of referenced standards

Please contact the Building Standards– City of Saskatoon (975-7631) with questions regarding this application form.