



# Advisory

## Solid Fuel Fired Boiler Systems

### Issue

Prior to installation, Solid fuel fired boilers require a Plan Review by the Office of the Fire Marshal (OFM). The installed boilers must meet all relevant codes and standards to minimize the chance of fire and spread of fire.

### Advisory

Irrespective of the capacity of the proposed solid fuel fired boiler systems, a complete manufacturer design and engineering package sealed and signed by the respective professional shall be submitted to the OFM for review prior to starting construction at site.

The design package for review shall include structural, electrical, and mechanical drawings which demonstrate that the design provides for personal safety, operability, maintenance needs, and fire separations from the adjacent building or remainder of the building. The package shall also include the schematic operation of the plant, plant maintenance requirements, planned fire-protection measures and manufacturer's brochure & installation recommendations.

Solid fuel burning appliances and equipment shall be installed with mounting, clearances and air supply that conform to CAN/CSA-B365<sup>1</sup>. Only adopted codes and standards shall be referenced and CAN/CSA B-366.1 is neither referenced in the current National Building Code of Canada (Building Code) nor in the National Fire Code of Canada (NFC) nor adopted in the current NWT Fire Prevention Regulations.

Fuel fired appliances shall be separated from the remainder of the building by fire separations with a fire-resistance rating in conformance with Article 3.6.2.1. of the National Building Code. A fuel fired appliance and a boiler shall be separated from each other by a fire-resistance rating not less than 2 hours to meet the intent of Article 3.6.2.4.<sup>2</sup>

All appliances shall be installed on a firm, level, noncombustible floor or support, except where the appliance is certified for installation on a combustible floor or installed using the appliance manufacturer's certified base. (4.1.4-B139).

*This advisory does not waive the requirements of any adopted codes and standards or any other local bylaw or the requirements of the Electrical/Mechanical Safety section of the Department of Public Works and Services of the GNWT.*

Approved by;	Effective Date;
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<sup>1</sup>Year of edition shall be as listed in Fire Prevention Regulations or Article 1.3.1.2 of the Fire Code of Canada

<sup>2</sup>In the absence of direct information available, closest Article 3.6.2.4. of the Code has been referenced.