



THE CITY OF
CALGARY

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Branch Manager
ECCO Heating Products Ltd.
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Calgary AB
T2H 0P3

May 12, 2010

The code compliance report (AKD-01) regarding AK Duct, manufactured by CDC Enterprises, Inc., submitted by Hickerty & Associates Ltd., on behalf of ECCO Heating Products Ltd. has been reviewed and this product has been determined to be acceptable for use in underground forced air HVAC systems within the City of Calgary under Article 6.2.3.5.(1c) of the 2006 Alberta Building Code.

This acceptance is subject to the following conditions:

1. AK Duct duct and fittings may only be installed underground or imbedded within concrete slabs.
2. No portion of the AK Duct system shall be exposed above the top of the floor.
3. HVAC systems using AK Duct and fittings must be limited to a maximum air temperature of 66C (150F) at the discharge of the unit entering the duct system.
4. Plans of the HVAC system utilizing these products shall be reviewed by Building Regulations prior to beginning construction.
5. Air pressure in the duct system shall not exceed 4" w.c.
6. Air duct systems shall be designed in accordance with Article 6.2.1.1.(1) of the 2006 Alberta Building Code.
7. Underground air duct located below base flood elevation shall be designed and installed to resist hydrostatic and hydrodynamic loads and stresses, including the effects of buoyancy, during occurrence of flooding to design floor elevation.
8. Ambient temperature shall not be less than 0C (32F) and shall not exceed 38C (100F) during installation of clamps.
9. The ducts and fittings shall be supported continuously.
10. The duct system shall slope to allow drainage to a point provided with access in accordance with Article 6.2.3.5.(1a) of the 2006 Alberta Building Code.
11. The products shall be installed in accordance with the manufacturer's recommendations.
12. Each product shall be identified with a label showing the name "A.K.DUCT," "UNDERGROUND DUCT," appropriate size and fitting number. This information shall be visible for inspection purposes.

For this acceptance to be valid on any individual construction project in the City of Calgary, the work must be done under a Mechanical Permit by a licensed sheet metal contractor and inspected during installation by a Calgary Safety Codes Officer.

Sincerely,

Wade Patton, SCO
Operational Supervisor
Building Regulations
City of Calgary