

## **PART 1 - GENERAL**

### **1.1 REFERENCES**

- .1 Unless otherwise indicated, all the works must be done in accordance with the in force edition of the "Code de construction du Québec".
- .2 Furthermore, the works will be done in accordance with any other code or standard having jurisdiction, as per the latest edition, notably including, but not limited to:
  - .1 Sheet Metal and Air Conditioning National Association (SMACNA).
    - .1 SMACNA HVAC Duct Construction Standards, Metal and Flexible -1985.
  - .2 Health Canada/Workplace Hazardous Materials Information System (WHMIS).
    - .1 Material Safety Data Sheets (MSDS).

### **1.2 SUBMITTALS**

- .1 Submit submittal data in accordance with regulations.

## **PART 2 - PRODUCTS**

### **2.1 GENERAL**

- .1 Dampers to be manufactured according to SMACNA Standards.

### **2.2 SPLITTER DAMPERS**

- .1 Fabricate from same material as duct but one sheet metal thickness heavier, with appropriate stiffening.
  - .2 Double thickness construction.
  - .3 Control rod with locking device and position indicator.
  - .4 Rod configuration to prevent end from entering duct.
  - .5 Pivot: Piano hinge.
  - .6 Folded leading edge.
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## **2.3 SINGLE BLADE DAMPERS**

- .1 Fabricate from same material as duct, but one sheet metal thickness heavier. V-groove stiffened.
- .2 Size and configuration to recommendations of SMACNA, except maximum height 250 mm (10 in).
- .3 Locking quadrant with shaft extension to accommodate insulation thickness.
- .4 Inside and outside nylon end bearings.
- .5 Channel frame of same material as adjacent duct, complete with angle stop.

## **2.4 MULTI-BLADED DAMPERS**

- .1 Factory manufactured of material compatible with duct.
- .2 Opposed Blade: Configuration, metal thickness and construction to recommendations of SMACNA.
- .3 Maximum Blade Height: 100 mm.
- .4 Bearings: Pin in bronze bushings, self-lubricating.
- .5 Linkage: Shaft extension with locking quadrant.
- .6 Channel frame of same material as adjacent duct, complete with angle stop.

# **PART 3 - EXECUTION**

## **3.1 INSTALLATION**

- .1 Install in accordance with recommendations of SMACNA and in accordance with manufacturer's instructions.

**END OF SECTION**

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