NAFS QUICK REFERENCE GUIDE

Covers Windows, Doors, **Tubular Daylight Devices NAFS - NORTH AMERICAN** and Skylights in one **FENESTRATION STANDARD 2008** Harmonized Standard. These (Officially AAMA/WDMA/CSA 101/I.S.2/A440-08) products must conform to NAFS and the Canadian Supplement **CANADIAN SUPPLEMENT** Officially adopted by National Building Code of Canada 2010 CSA-A440S1-09 and BC Building Code 2012 Increasi ngall products rated to several levels of Performance: PERFORMANCE CLASS*: PERFORMANCE GRADES: R - min. 15 psf A single number achieved for a LC - min. 25 psf class that represents CW - min. 30 psf structural and water AW - min. 40 psf performance (e.g. PG-25, PG-(Minimum Gateway Requirements) 30, etc.) For Part 3 Buildings - determined by Architect For Part 9 Buildings - determined by Building Dept. CANADIAN SUPPLEMENT CSA-A440S-09 **USED TO DETERMINE PERFORMANCE GRADES** (Use Checklist on page 21 to determine performance requirements) Use simplified method to determine: Wind Pressure (HWP) Note: only products installed in Water Pressure (DRWP) Canada still require the A rating Test Pressures (either of A2, A3 or Fixed) for **Performance Grade and** infiltration / exfiltration **Secondary Designators**

Note: NAFS does not include interior doors and windows, vehicular access doors (garage doors), curtain wall, storefront, storm doors, storm windows, commercial entrance systems, sunrooms, revolving doors, site built door systems and commercial steel doors

Note: For commercial products used in a residential application, registered professionals may be required to ensure compliance to codes and

TESTING REQUIREMENTS:

Part 3 and Part 9 Buildings-Window tests required - see Table 27 minimum sizes for each product type

Test results - Strict Labelling requirements, each window/door requiring permanent and temporary labels

Must laboratory test doors, individual windows, combination windows (mulled) and multi lite windows with integral mullions

Permanent labels must indicate at least the name of manufacturer and can be etched into the glass or affixed to the product frame (i.e. must be permanently visible after installation)

Performance labels can be temporary and must indicate both the primary designator (class, performance grade and size tested) and secondary designator(design pressures, water test pressures and air infiltration/exfiltration level denoted by A2, A3 or Fixed)

required based on the above

Performance Grade is dependent upon:

- **Building height**
- **Geographical Location**
- **Open or Rough Terrain**
- Building must be on level terrain to use the simplified method of wind load determination

Note: Each Performance Class has a range of product types, as many as 30 in all (e.g. awning (AP), casement (C), fixed (FW), etc.). Product selection (i.e. what class) is based on the performance requirements of the project

To ensure compliance to NAFS:

- For each project determine what Performance Class and Grade your product will need to meet - consult building department for Part 9 buildings; review architectural window schedule, project specifications, consult architect and window engineer for Part 3 buildings. Check Canadian Supplement page 21, Figure A.1 Checklist
- Ensure your product meets the required class and grade by way of testing
- Ensure your products have been tested to fully anticipated worst case sizes and configurations that may occur on a project
- For Part 9 Buildings affix permanent & temporary labels to each window
- For Part 3 Buildings permanent labels at each window; indicate all performance levels on stamped shop drawings which may substitute for temporary labels (i.e. for window wall on high-rises) although this has not yet been confirmed