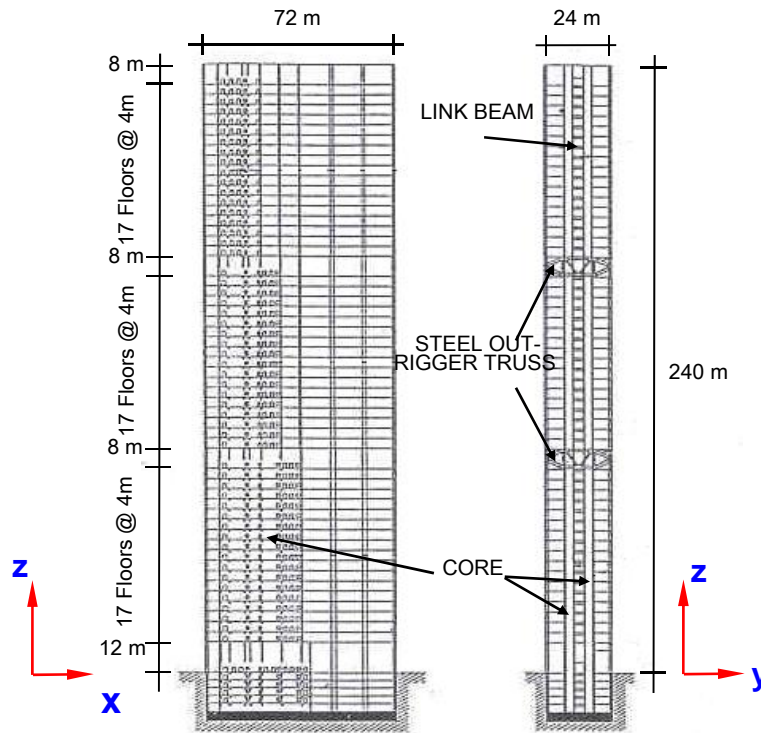
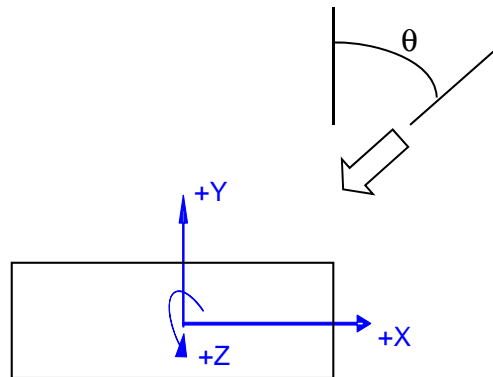


International HFBB Comparison - Building A Summary results



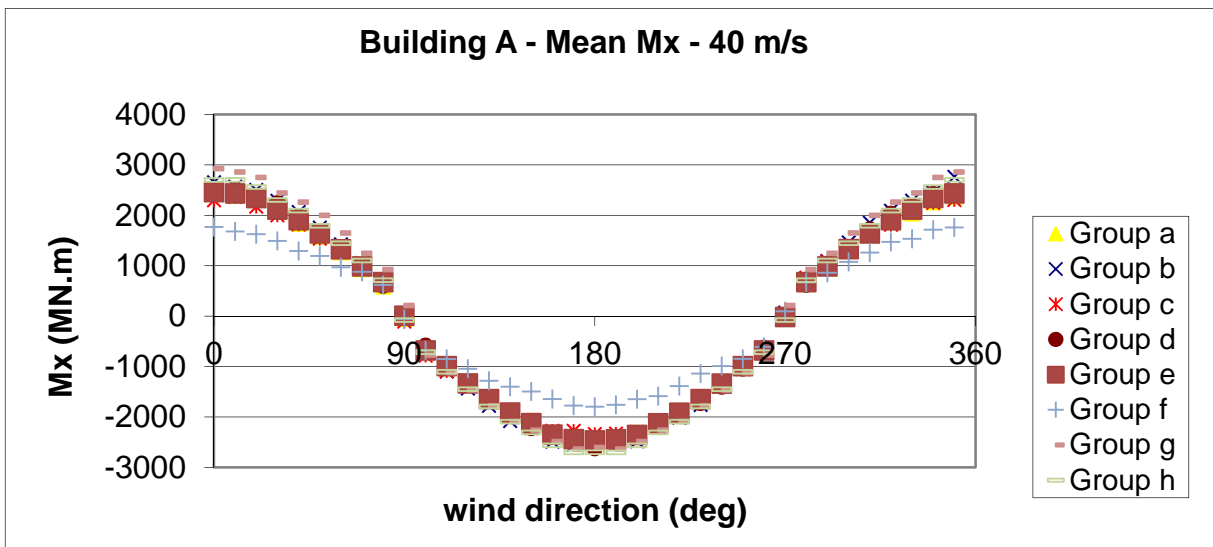
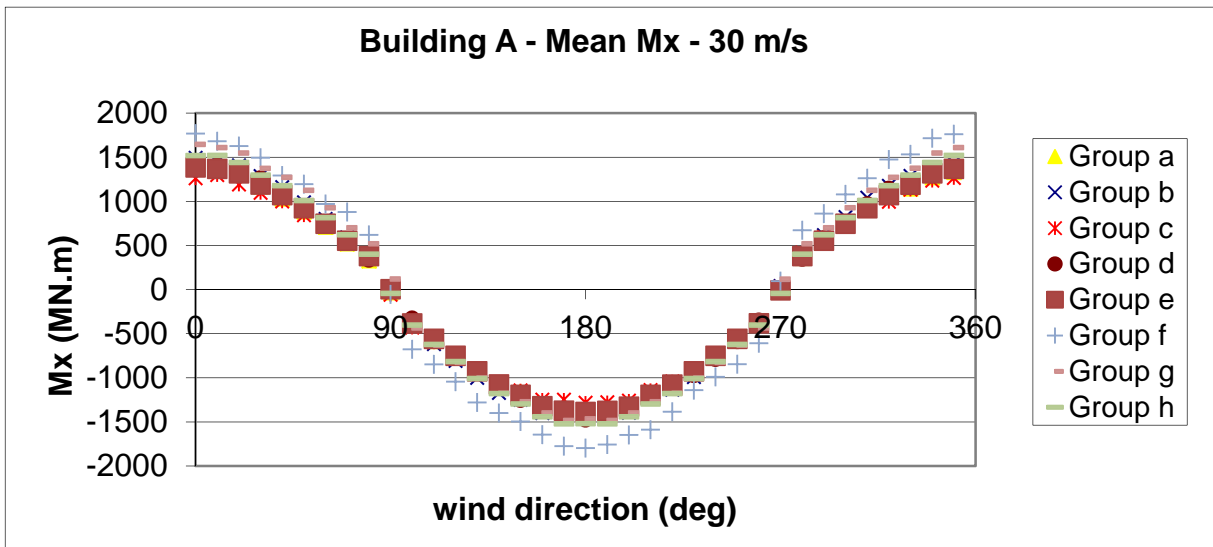
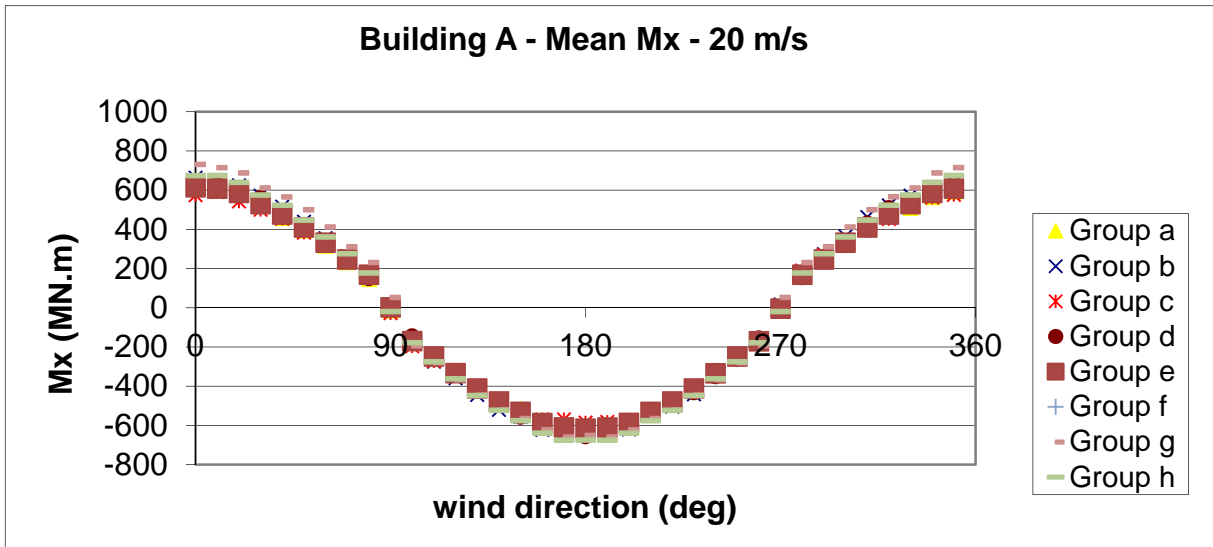
Coordinate system:



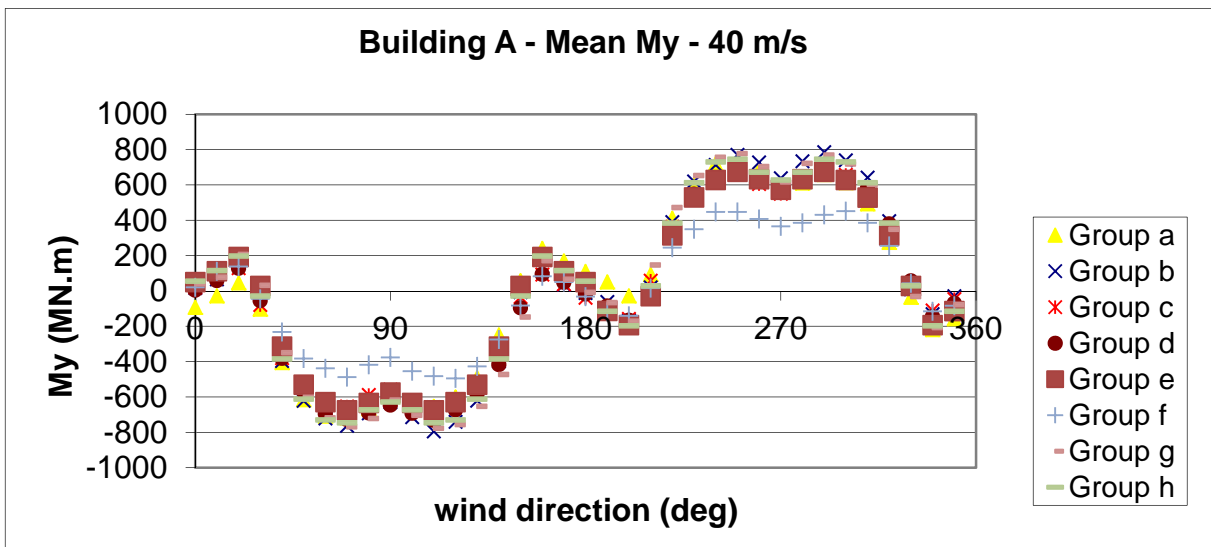
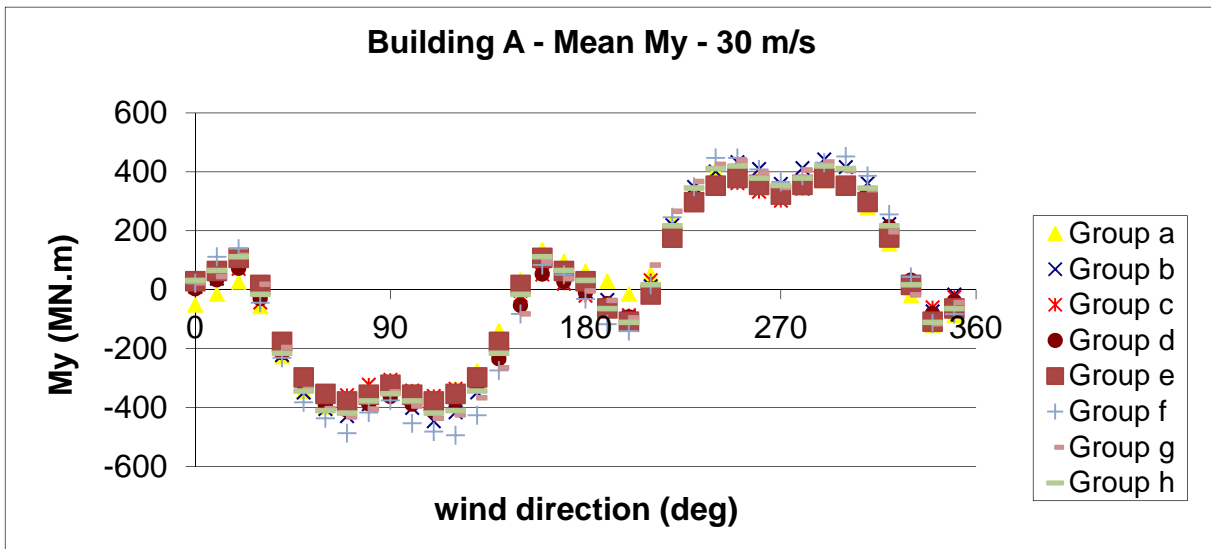
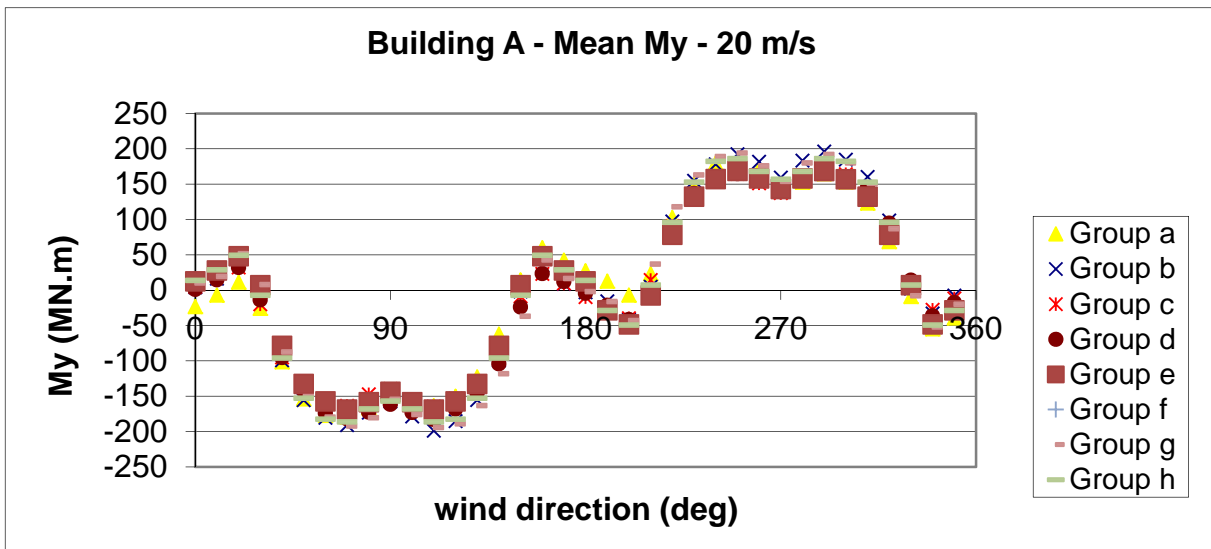
Notes:

- x and y reversed for Groups a and e – corrected to above coordinate system.
- Symmetry used for Group e, f and g.
- Group f provides results for wind speed of 30m/s and 40m/s and damping of 2.5% only.
- Groups b, c, d, e, f and h data corrected to 1.20 Kg/m³ air density
- Combined accelerations not provided by Group e

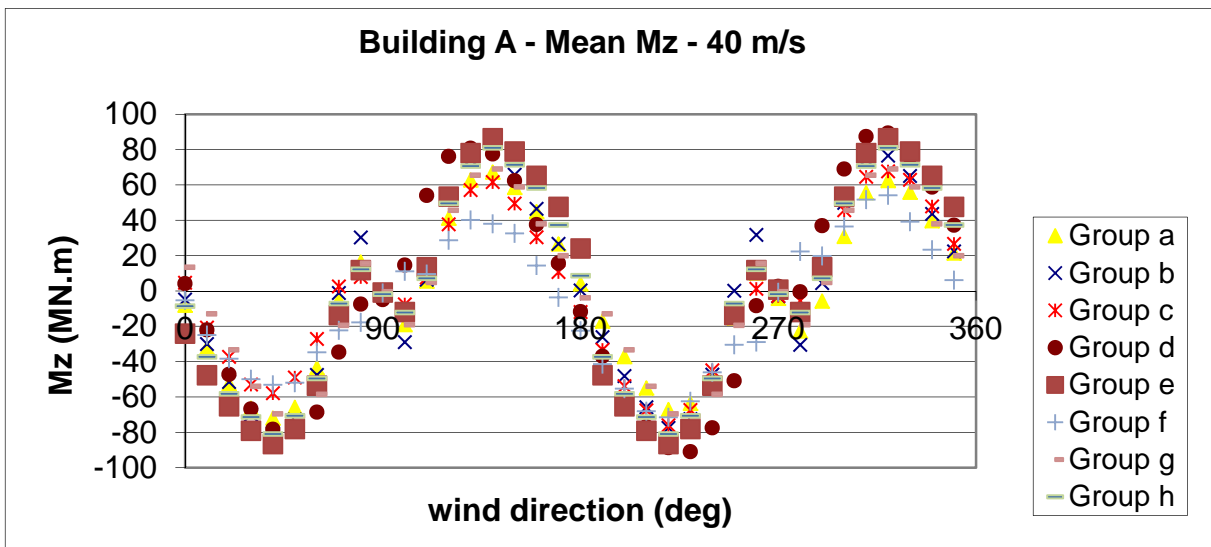
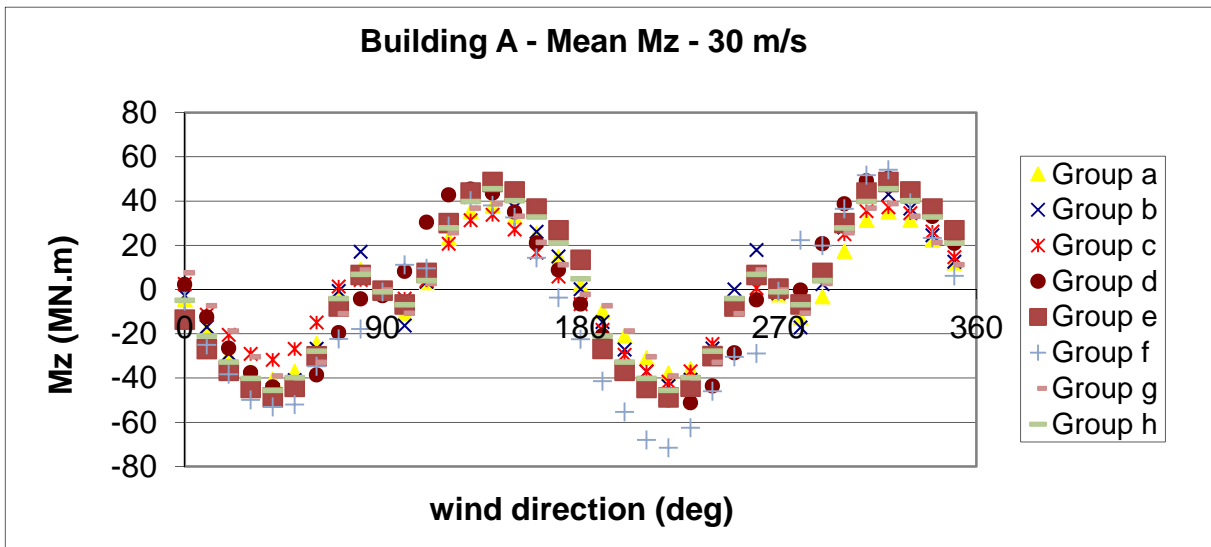
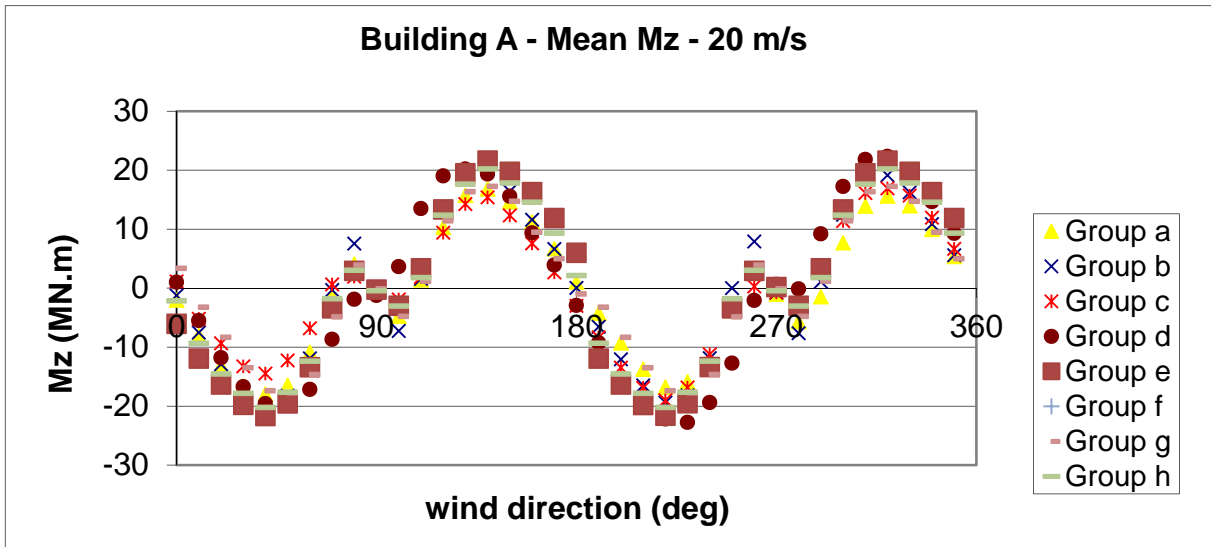
Base Moments - Mean M_x



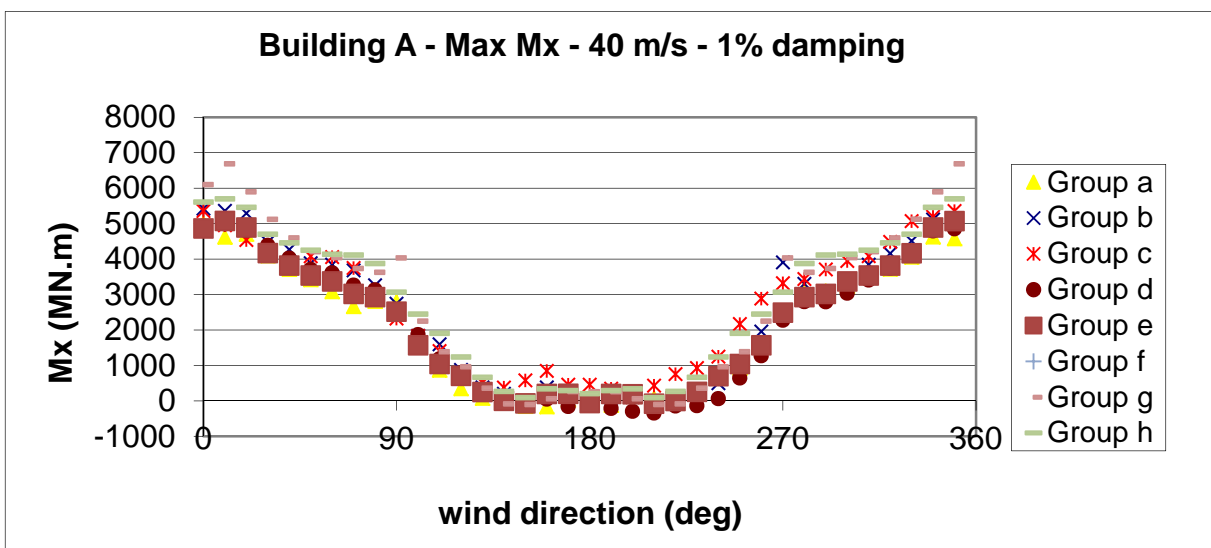
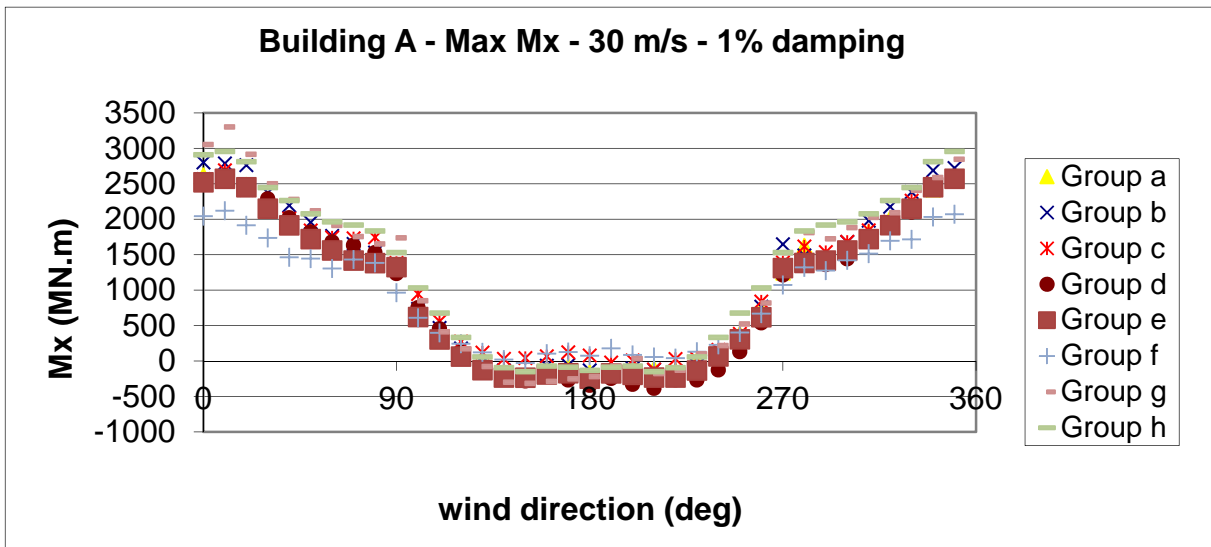
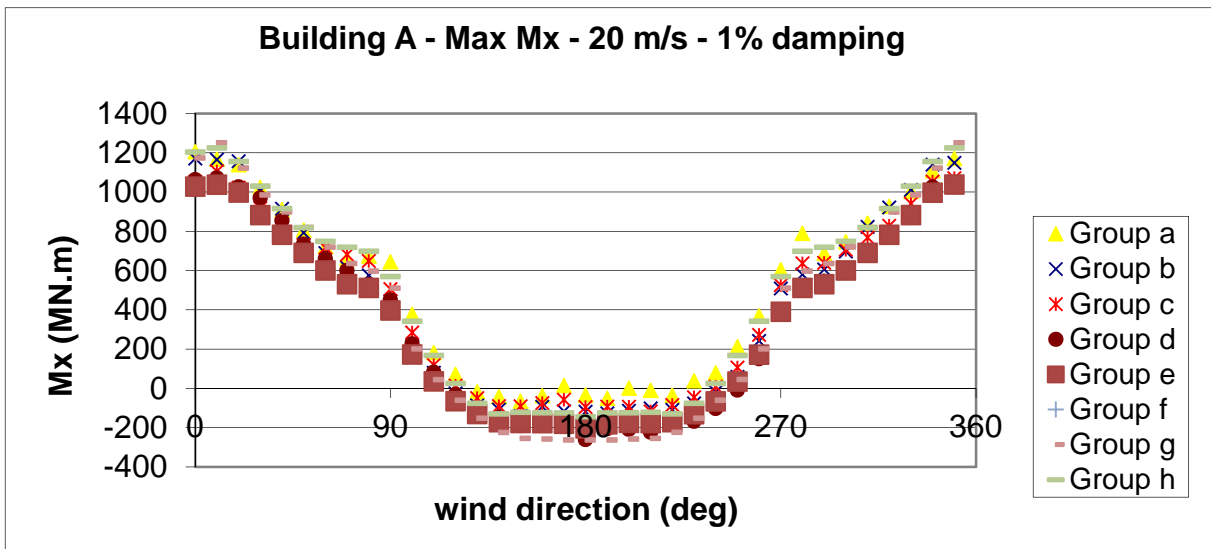
Base Moments - Mean M_y



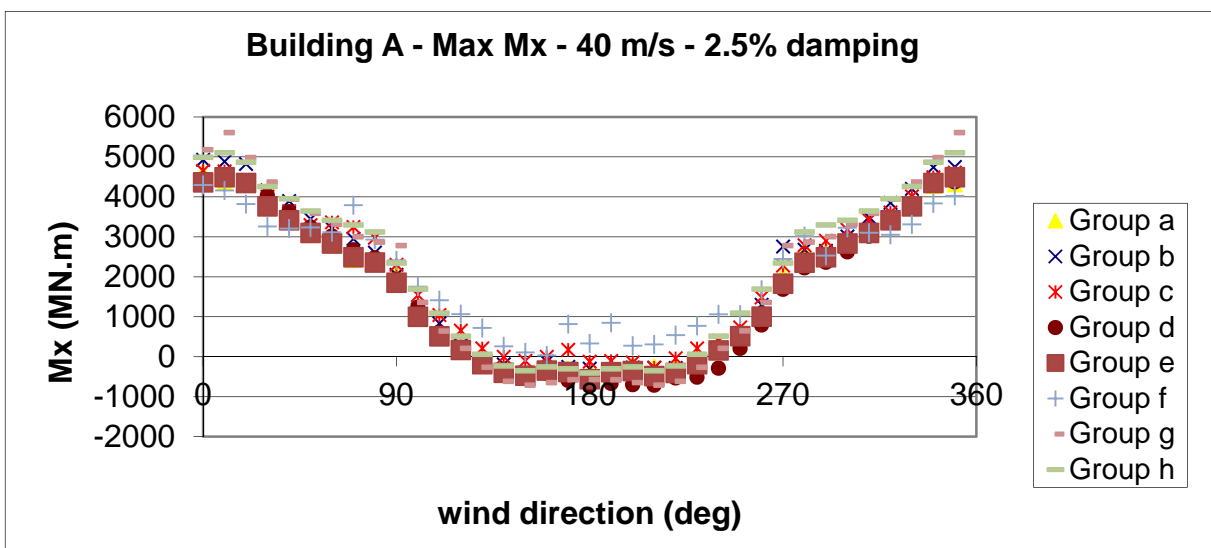
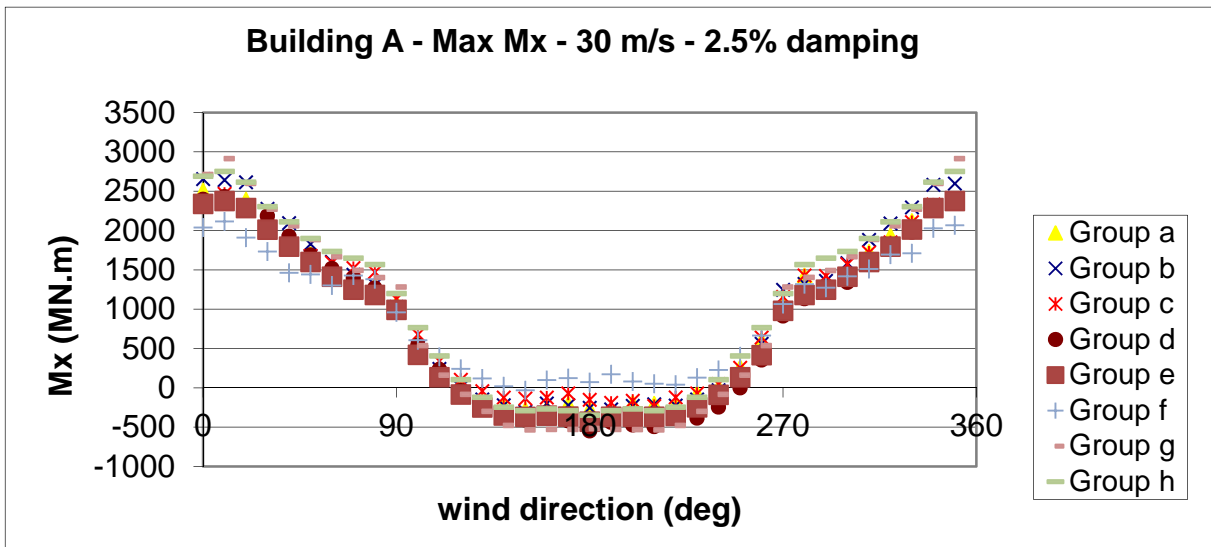
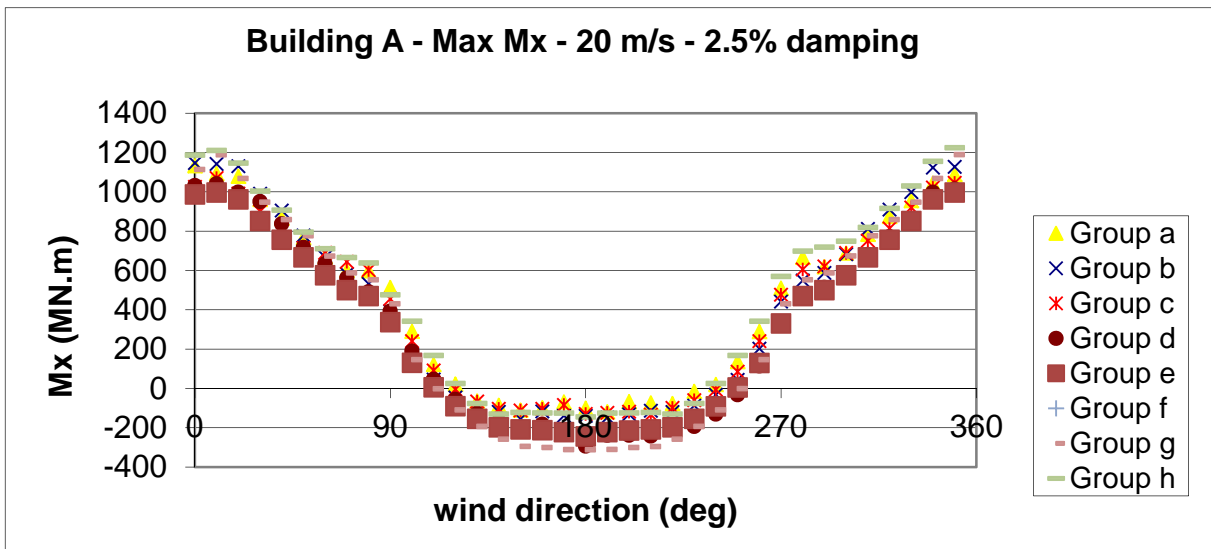
Base Moments - Mean M_z



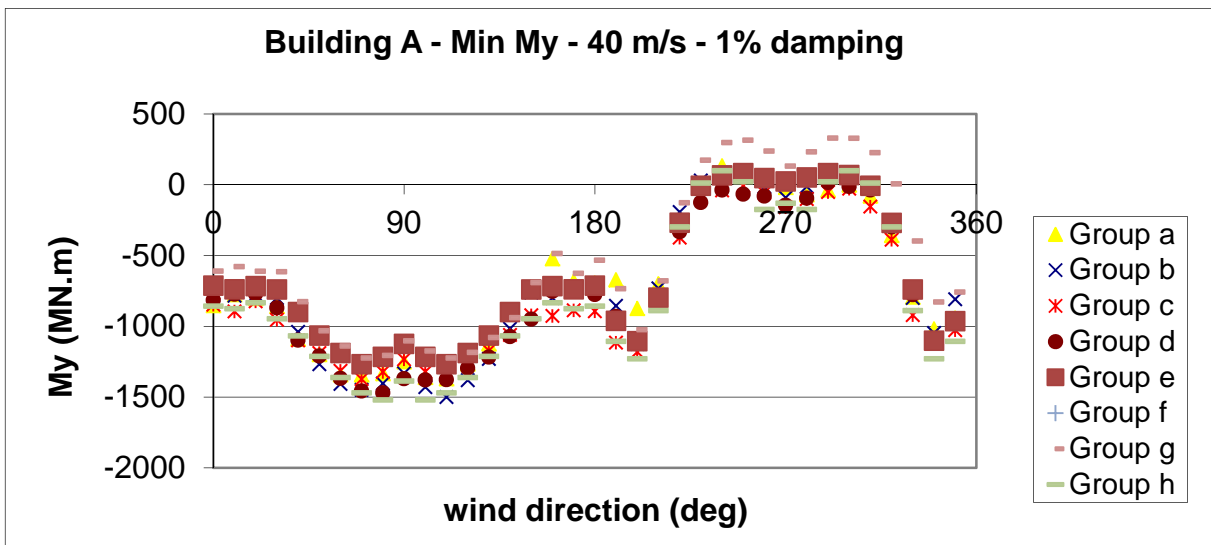
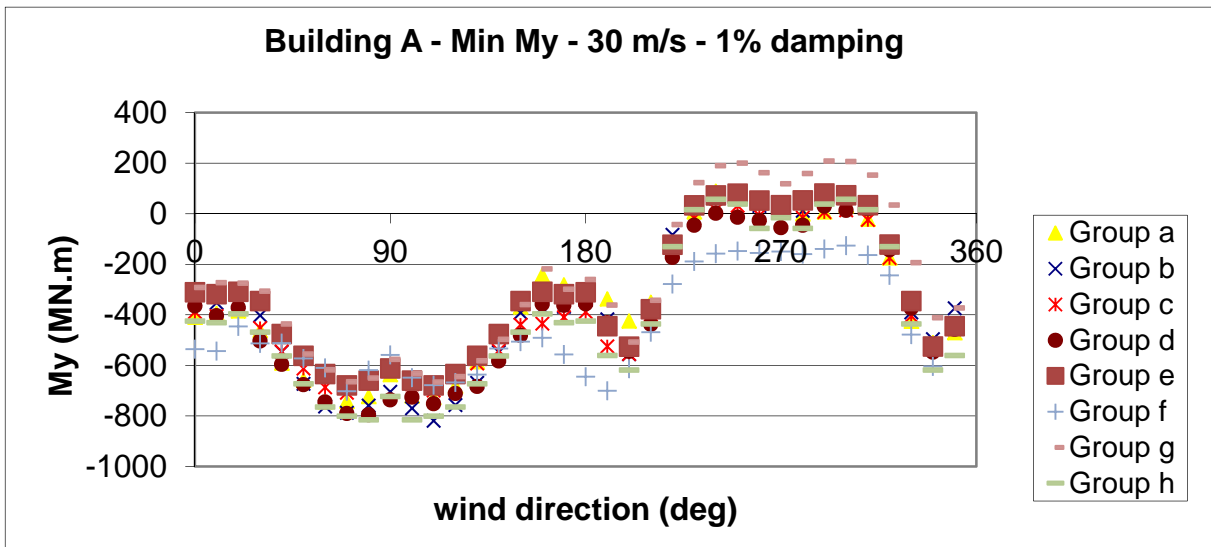
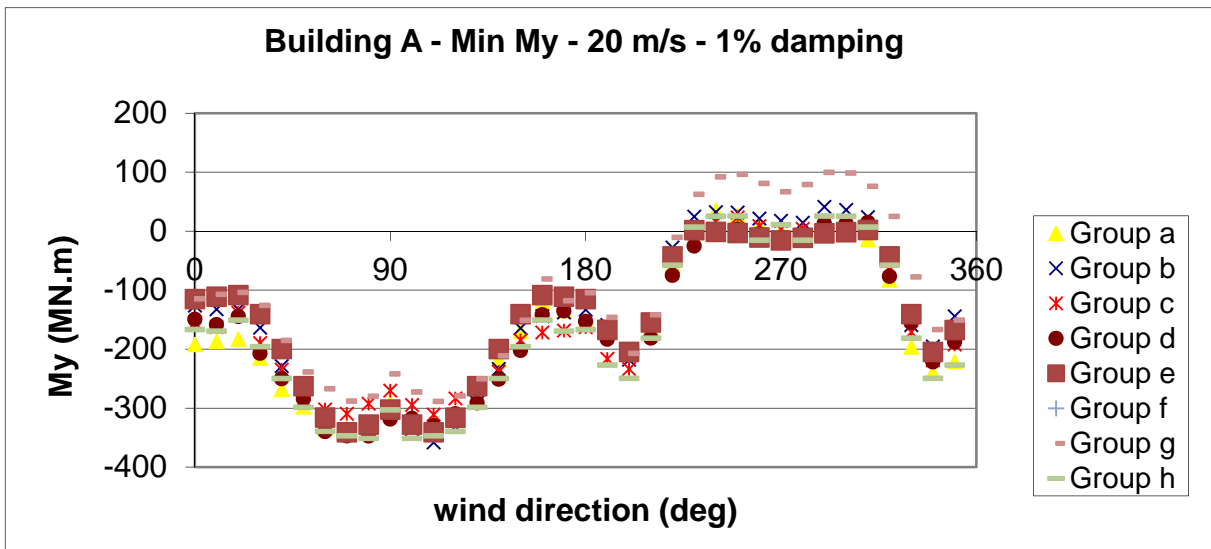
Base Moments - Maximum M_x (1% damping)



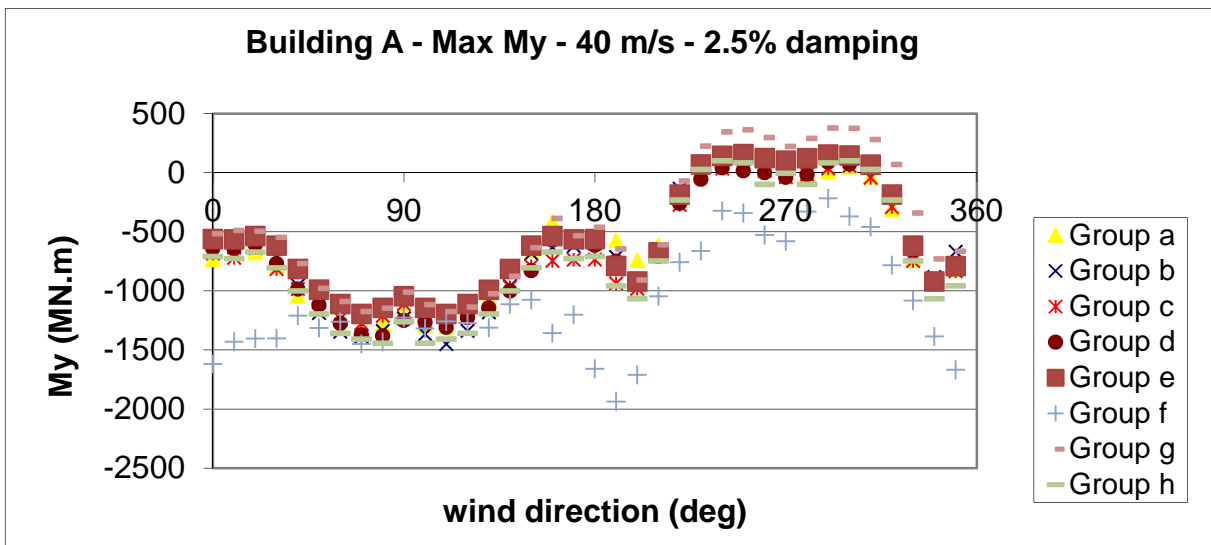
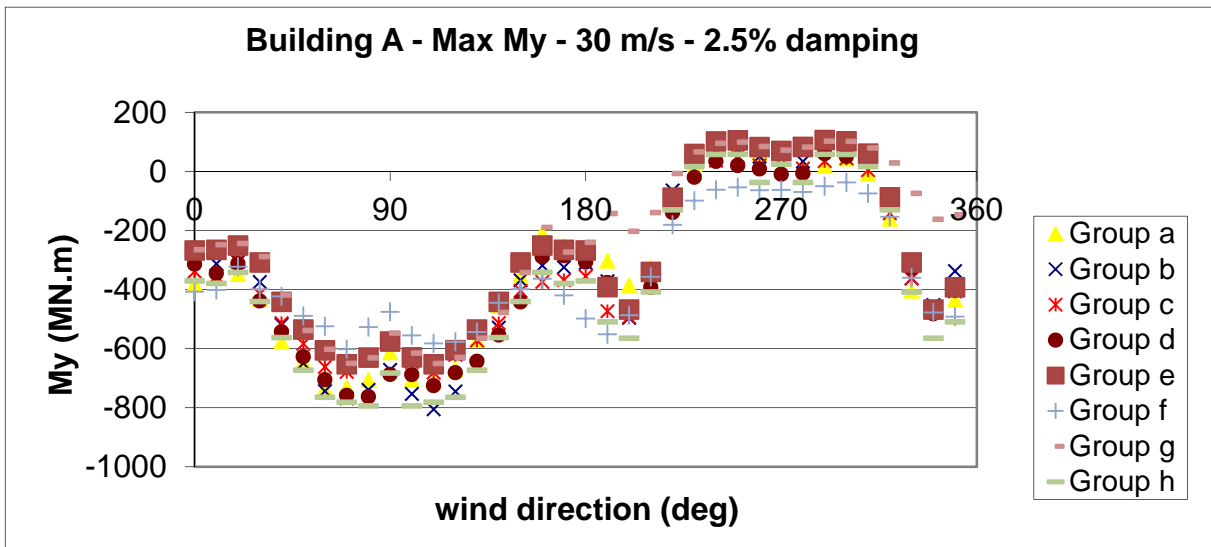
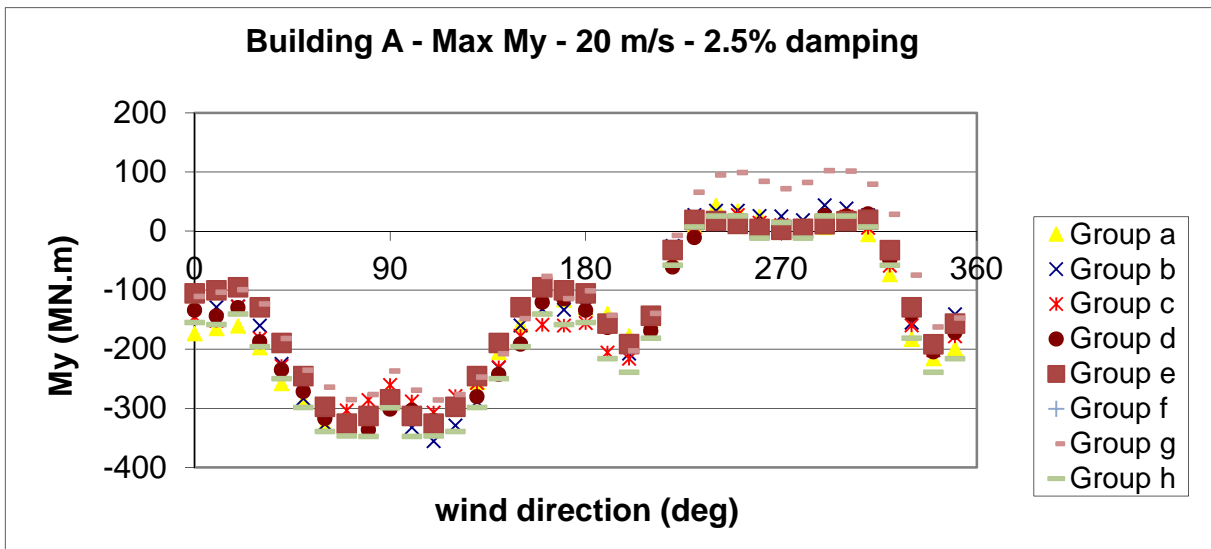
Base Moments - Maximum M_x (2½ % damping)



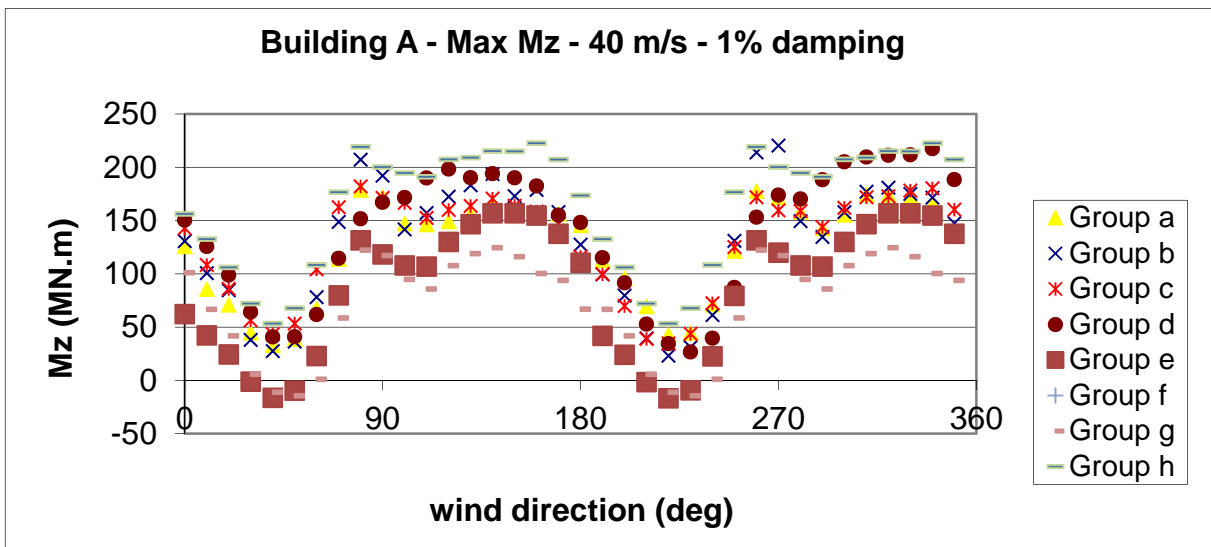
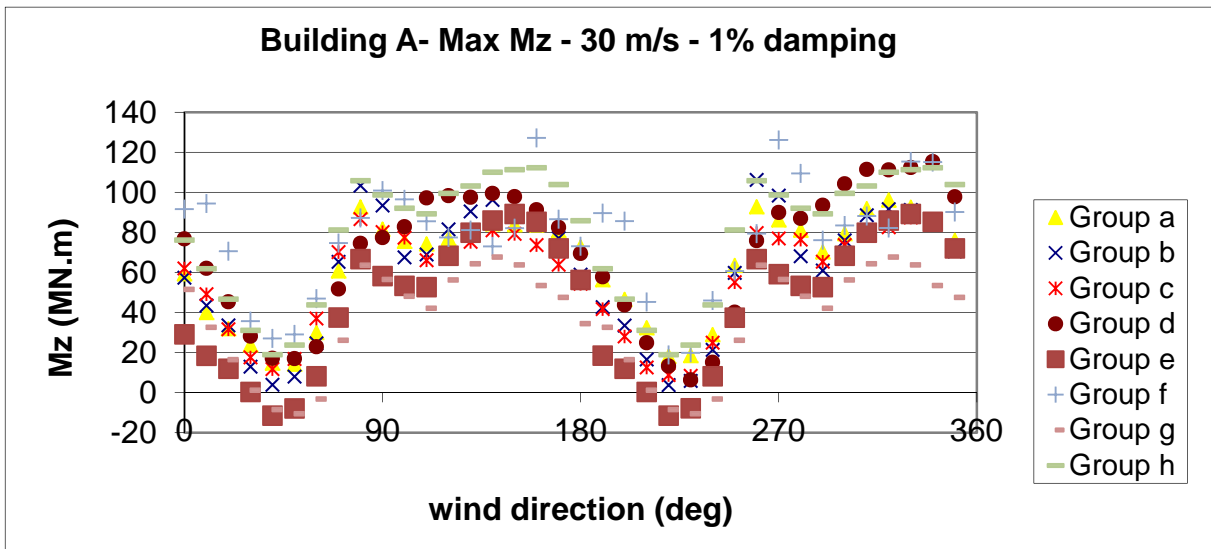
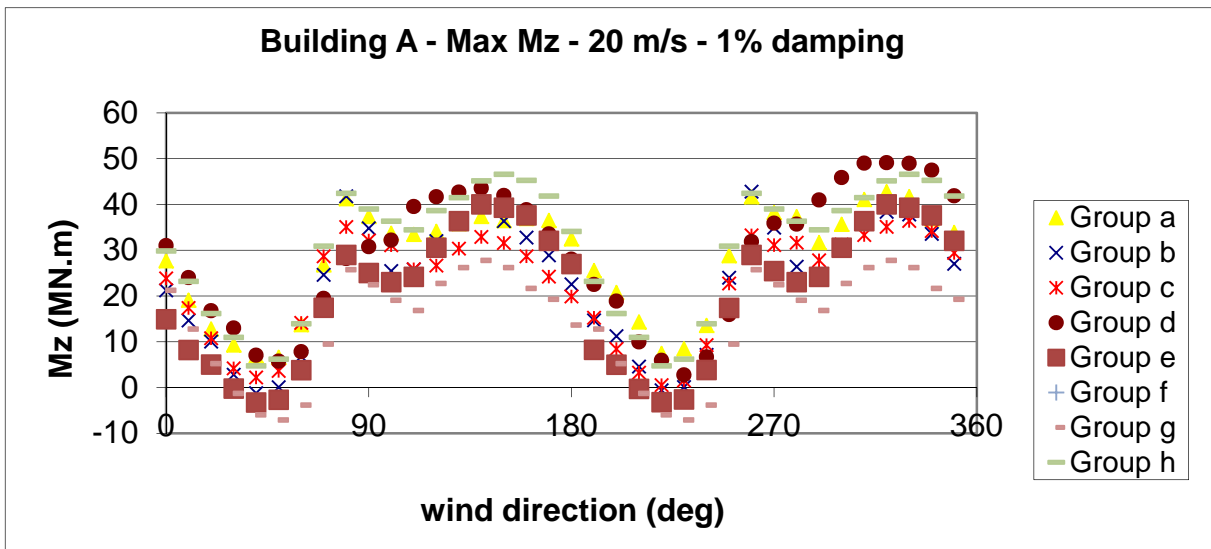
Base Moments - Minimum M_y (1% damping)



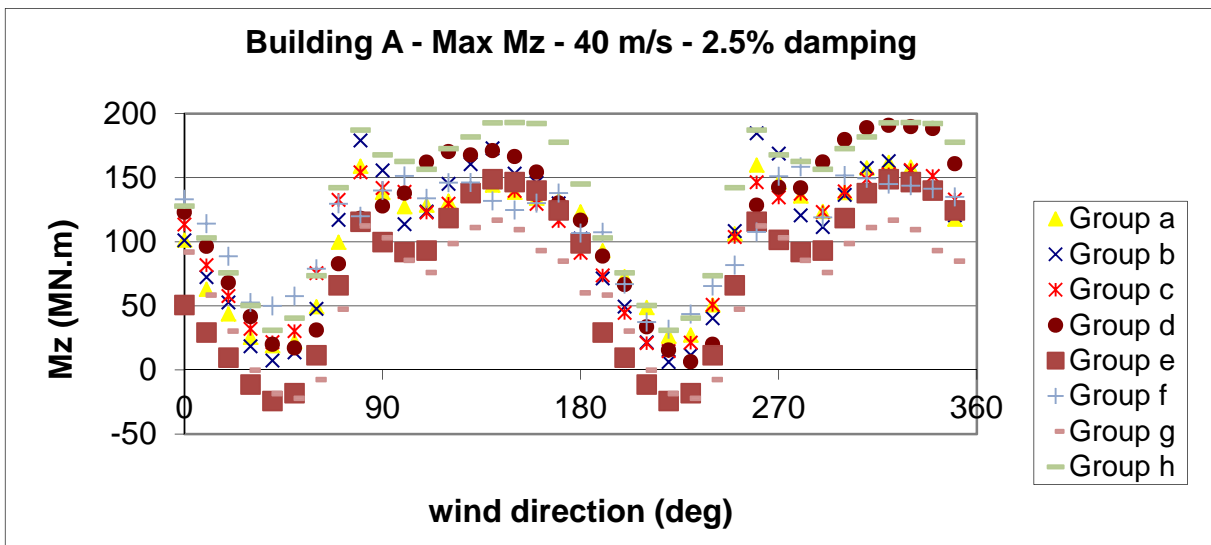
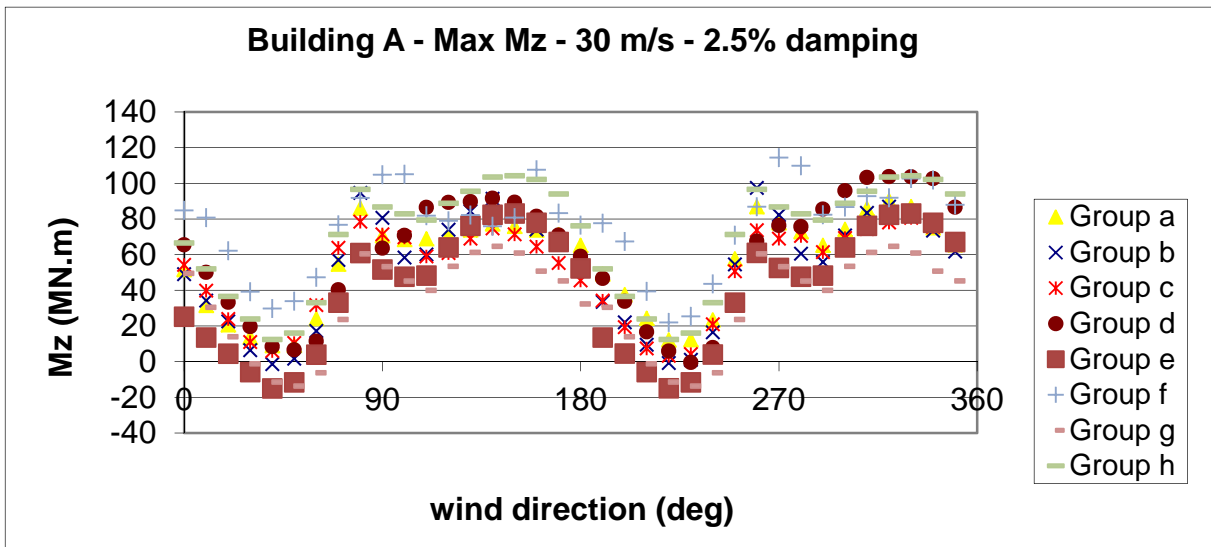
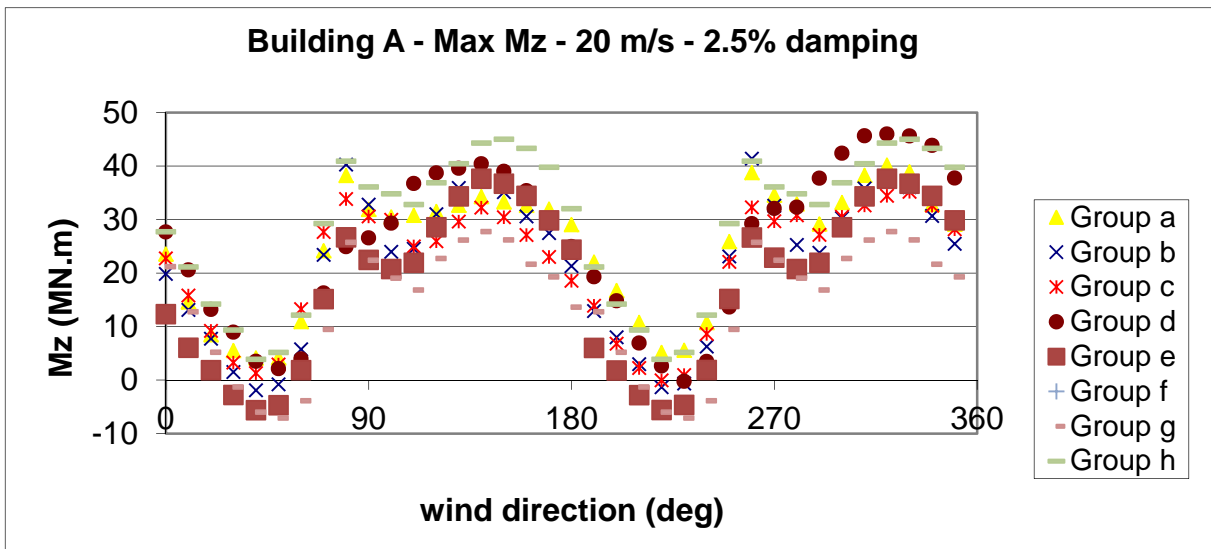
Base Moments - Minimum M_y (2½ % damping)



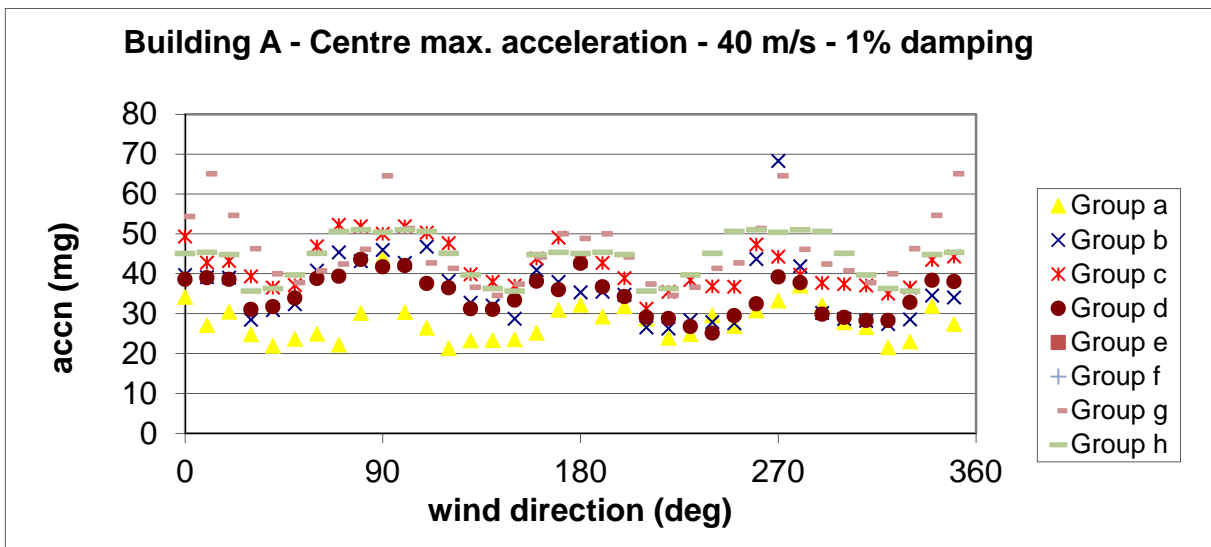
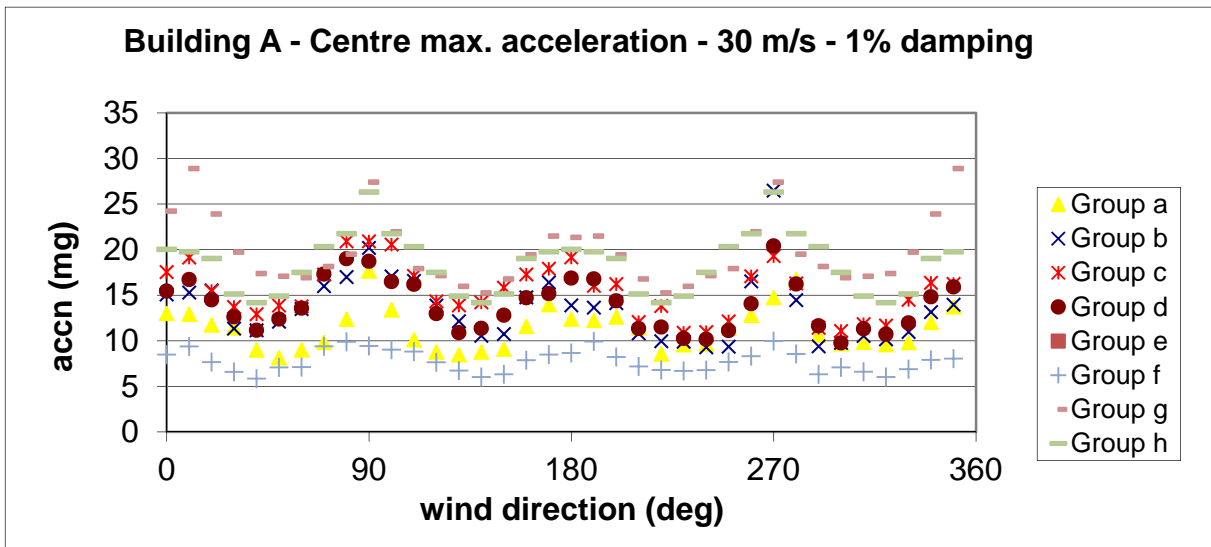
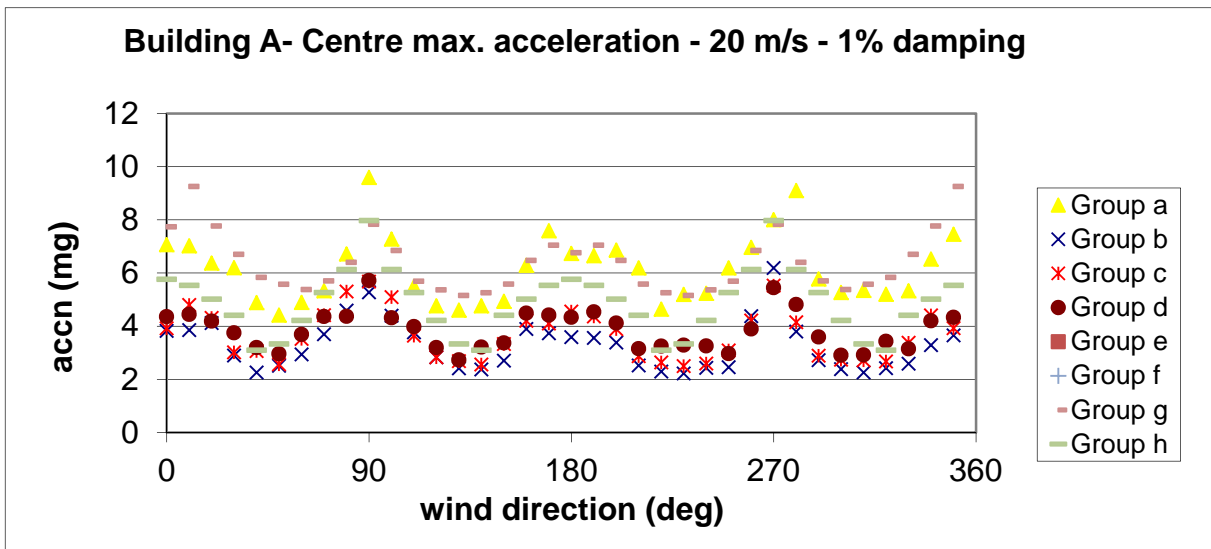
Base Moments - Maximum M_z (1% damping)



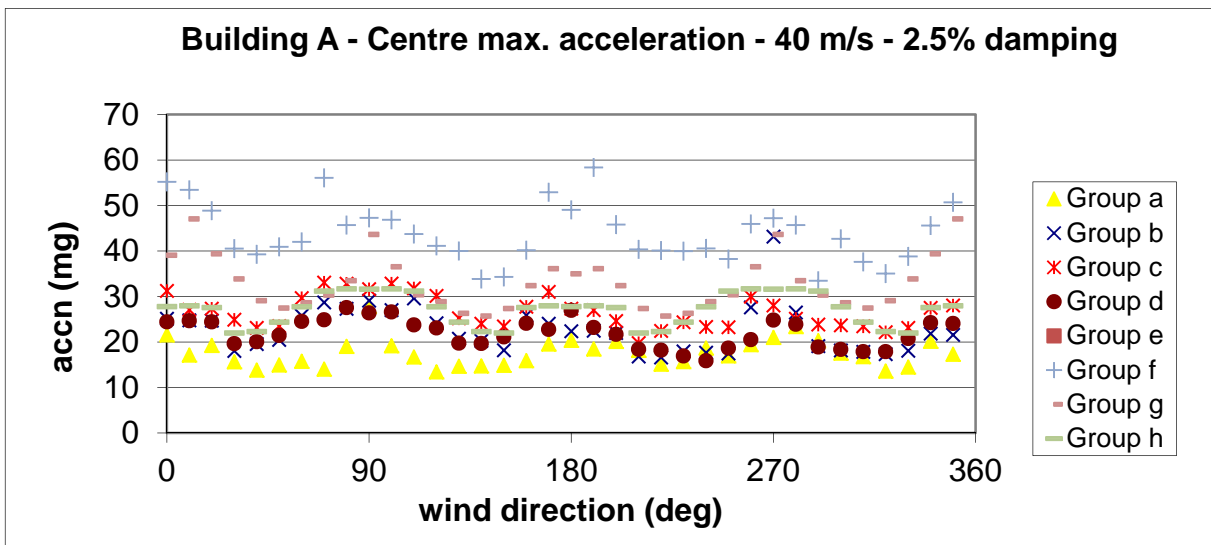
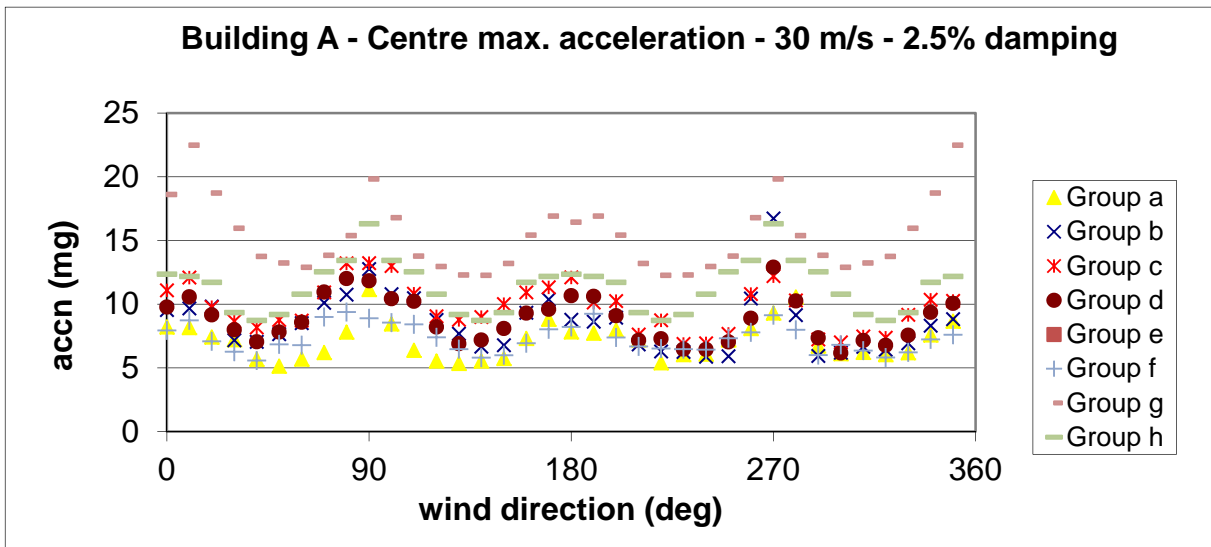
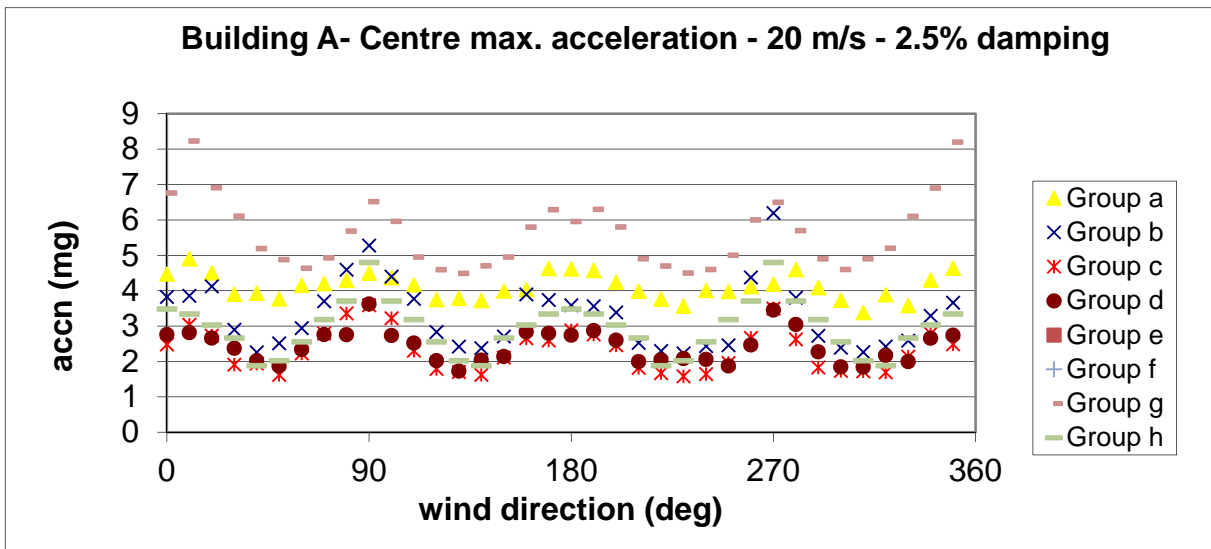
Base Moments - Maximum M_z (2½ % damping)



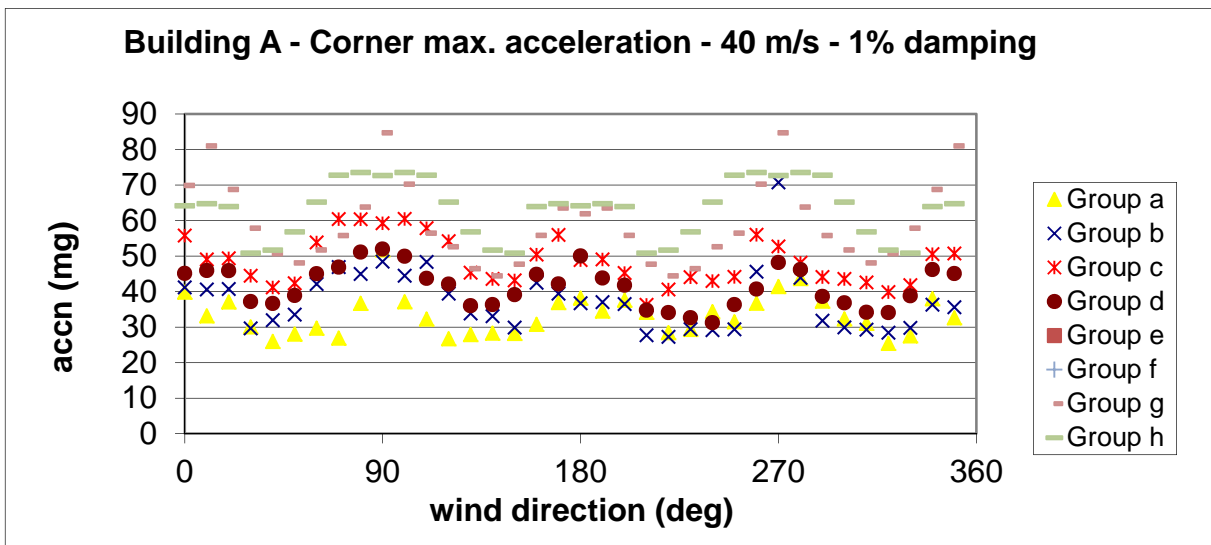
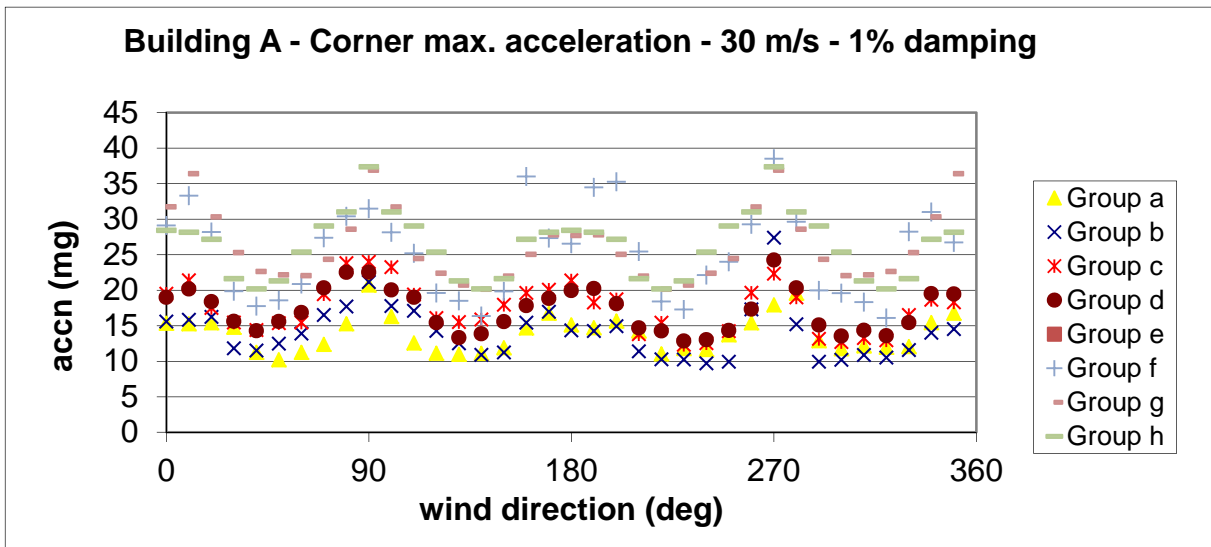
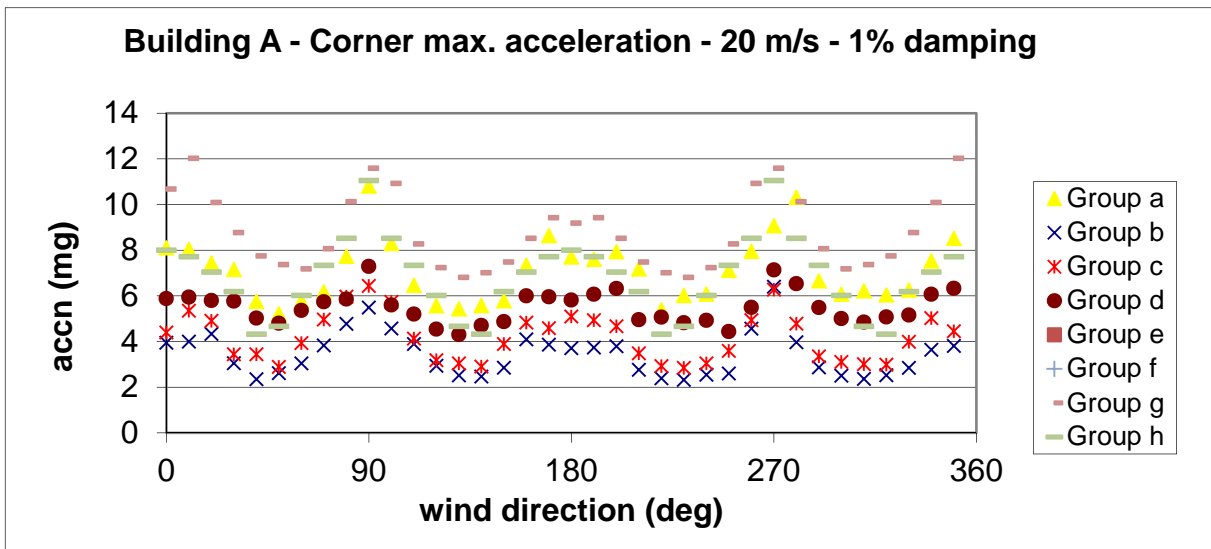
Peak resultant accelerations at centre of roof (1% damping)



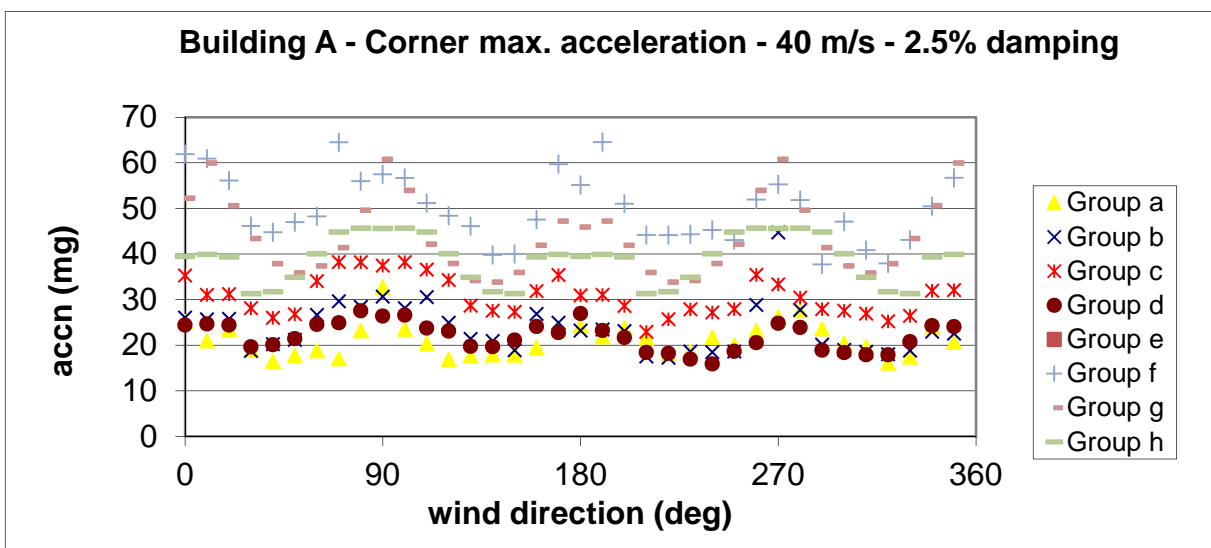
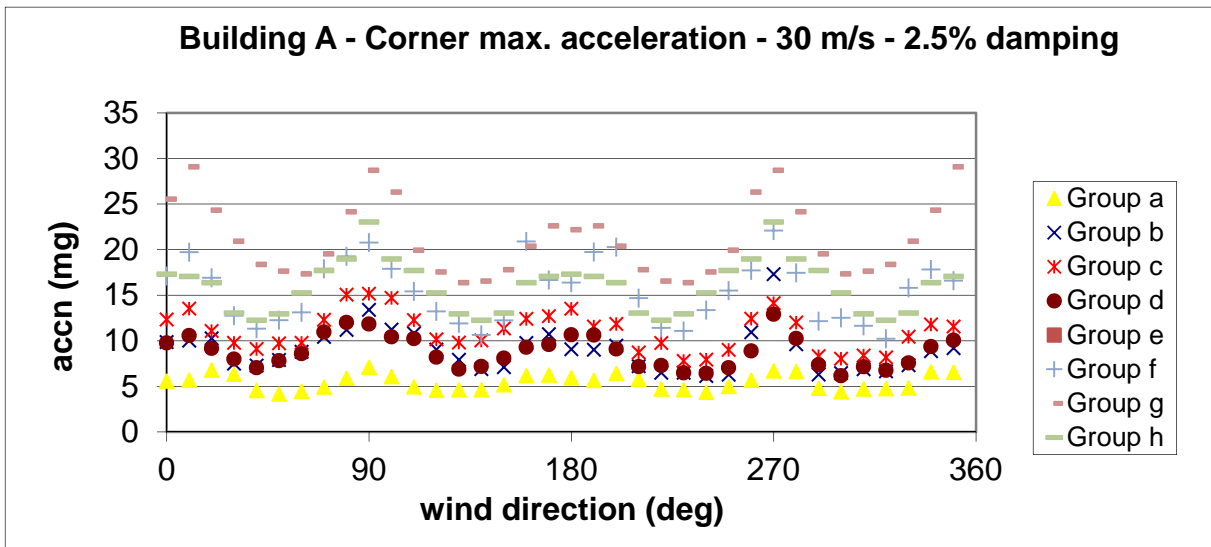
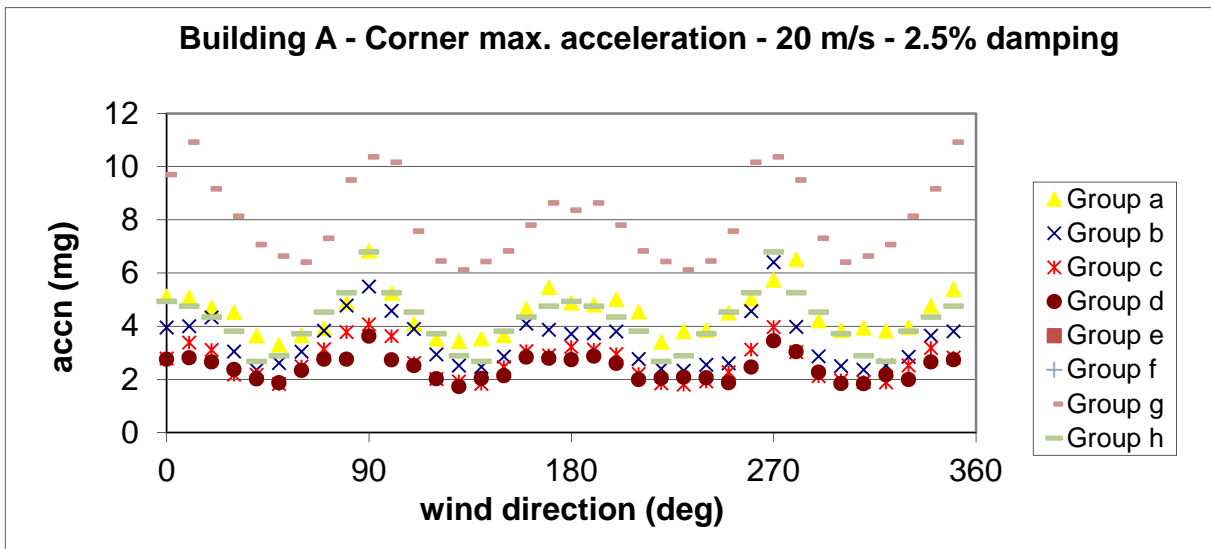
Peak resultant accelerations at centre of roof (2½ % damping)



Peak resultant accelerations at corner of roof (1% damping)



Peak resultant accelerations at corner of roof (2½ % damping)



Participating Groups

(alphabetical order – not in order of group numbers)

CPP (USA)

RWDI Inc. (Canada)

TE Solutions Co. Ltd. (Korea)

Tokyo Polytechnic University – Shimizu Corporation (Japan)

University of Hong Kong (HK- China)

University of Western Ontario (Canada)

Windtech Consultants (Australia)

Zhejiang University (China)