



Coval Homes – Wind Conditions Rating Sheet

Project/Client Name: 20.00044.00 CH2006 Hedstrom

WIND EXPOSURE CATEGORIES

- ☐ Exposure B – $K_{zt} = 1.0$
 - + Urban and suburban areas, wooded areas, or other terrain with numerous closely spaced obstructions having the size of single-family dwellings or larger in the up-wind direction for a distance greater than 1,500 ft.
- ☒ Exposure C – $K_{zt} = 1.0$
 - + Applies for all cases where exposure B and D do not.
- ☐ Exposure D – $K_{zt} = 1.0$
 - + Flat unobstructed areas and water surfaces, including mudflats, salt flats, and unbroken ice in the up-wind direction for a distance greater than 5,000ft, or 20 times the building height, whichever is greater. This also applies for sites within 600ft or 20 times the building height of an exposure D condition.

TOPOGRAPHIC FEATURES – K_{zt} FACTOR FOR WIND SPEED UP EFFECTS

- ☒ $K_{zt} = 1.0^*$
 - + Typical truss to wall and wall to foundation connections

*Exposure C & D typically require additional/larger straps from trusses to walls and walls to foundation at large overhangs.
- ☐ $K_{zt} > 1.0$
 - + Additional/larger straps from trusses to walls some areas
 - + Additional strapping from walls to foundation some areas
- ☐ $K_{zt} > 1.3$
 - + Additional/larger straps from trusses to walls
 - + Additional strapping of headers to walls
 - + Additional strapping from walls to foundation

*This is for general additional engineering requirements only and results may vary based on site specific K_{zt} factors in combination with the wind exposures.

☐ **PREVIOUSLY COMPLETED CONDITION: REUSE WITH MINIMAL REVISIONS.**

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