

8. SMALL RETAIL BUILDING (SRB)

Typical Construction

- Best example is fast-food restaurant
- Flat, hip, gable, mansard or monoslope roof
- Asphalt shingles, metal panels, slate, tile, single-ply or BUR roof covering
- Plywood/OSB roof decking
- Wood or metal roof structure consisting of trusses or rafters and joists
- Wood or metal stud walls
- Typically have large areas of window glass and double entry doors
- Canopies, covered walkways or porches
- Wood, brick veneer metal or vinyl siding, concrete blocks, EIFS or stucco wall cladding

Table 8

DOD*	Damage description	EXP	LB	UB
1	No visible damage	65	54	81
2	Loss of roof covering ($\leq 20\%$)	78	65	98
3	Broken windows and glass doors	86	72	103
4	Uplift of roof deck; significant loss of roof covering ($> 20\%$)	98	81	119
5	Canopies or covered walkways destroyed	98	83	114
6	Uplift or collapse of entire roof structure	119	101	140
7	Collapse of exterior walls; closely spaced interior walls remain standing	138	120	159
8	Total destruction of entire building	167	143	193

* DOD is degree of damage

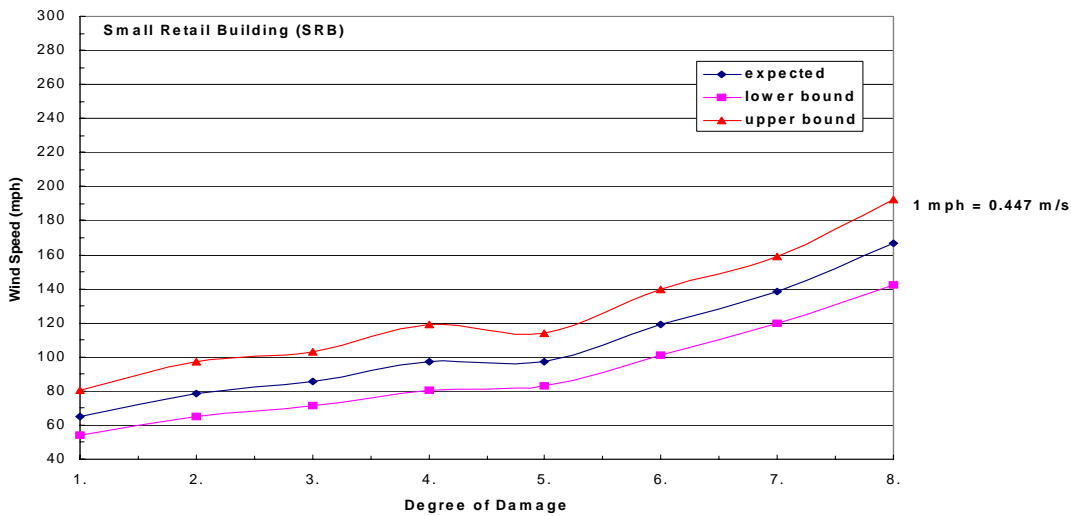


Figure 8. Wind Speed vs. Degree of Damage