

13. AUTOMOBILE SHOWROOM (ASR)

Typical Construction

- Most showrooms are single-story buildings with flat roof
- Roof system is BUR or single-ply membrane
- Metal roof deck or plywood panels
- Steel structural framing with open web steel joists
- Metal stud walls with EIFS, stucco or tilt-up panels
- Exterior walls on 2 or 3 sides have large glass windows

Table 13

DOD*	Damage description	EXP	LB	UB
1	No visible damage	65	47	80
2	Loss of roofing material ($\leq 20\%$)	80	67	101
3	Uplift of some roof decking; significant loss of roofing material ($>20\%$); loss of rooftop HVAC equipment	87	71	106
4	Broken windows or glass doors	101	83	120
5	Uplift or collapse of roof structure	112	94	132
6	Cladding stripped off walls	118	98	140
7	Exterior walls collapsed	126	106	148
8	Complete destruction of all or a large section of the building	157	138	181

* DOD is degree of damage

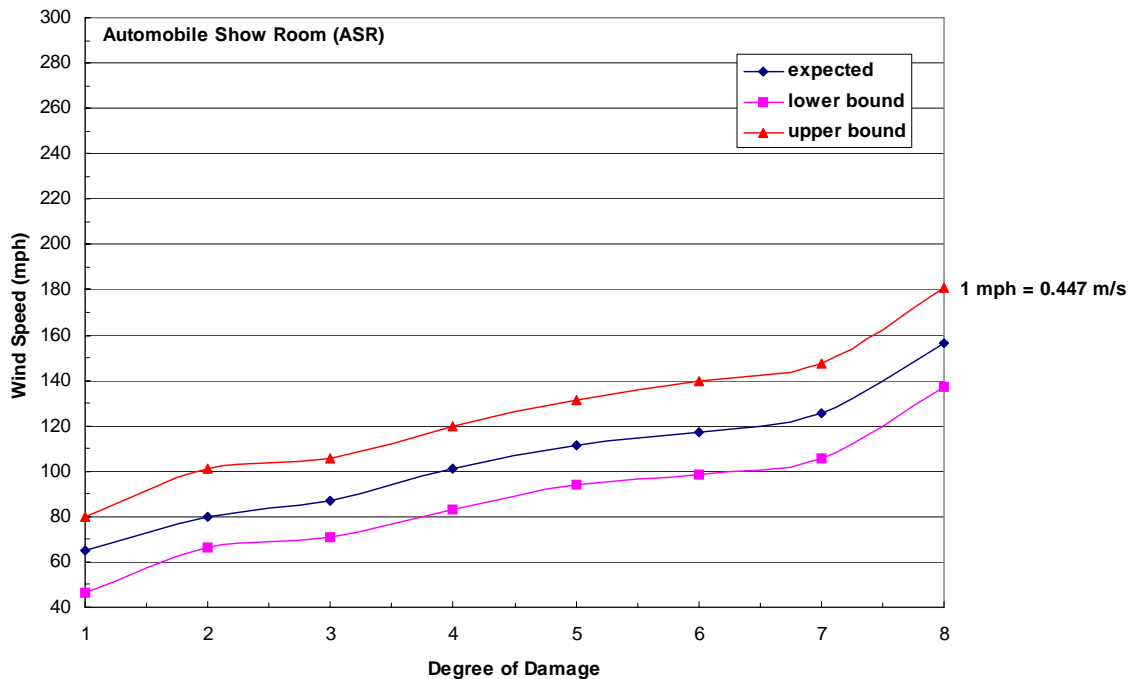


Figure 13. Wind Speed vs. Degree of Damage