

## 14. AUTOMOBILE SERVICE BUILDING (ASB)

### General Description

- Single story building with flat roof and relatively tall walls with parapet
- Roof coverings are typically BUR with gravel or single-ply membrane
- Roof structure is light steel framing or open web steel joists and metal roof deck
- Exterior walls are concrete masonry or precast lift up panels
- Numerous large metal overhead doors

Table 14

DOD*	Damage description	EXP	LB	UB
1	No visible damage	63	46	79
2	Loss of some roofing material ( $\leq 20\%$ )	78	65	99
3	Uplift of metal roof decking; significant loss of roof covering ( $>20\%$ ); loss of rooftop HVAC equipment	91	77	110
4	Failure of overhead doors	98	80	119
5	Uplift or collapse of roof structure	114	94	134
6	Collapse of non-bearing masonry or tilt-up walls	121	102	143
7	Collapse of load-bearing walls	128	106	149
8	Complete destruction of all or a large section of the building	157	138	181

\* DOD is degree of damage

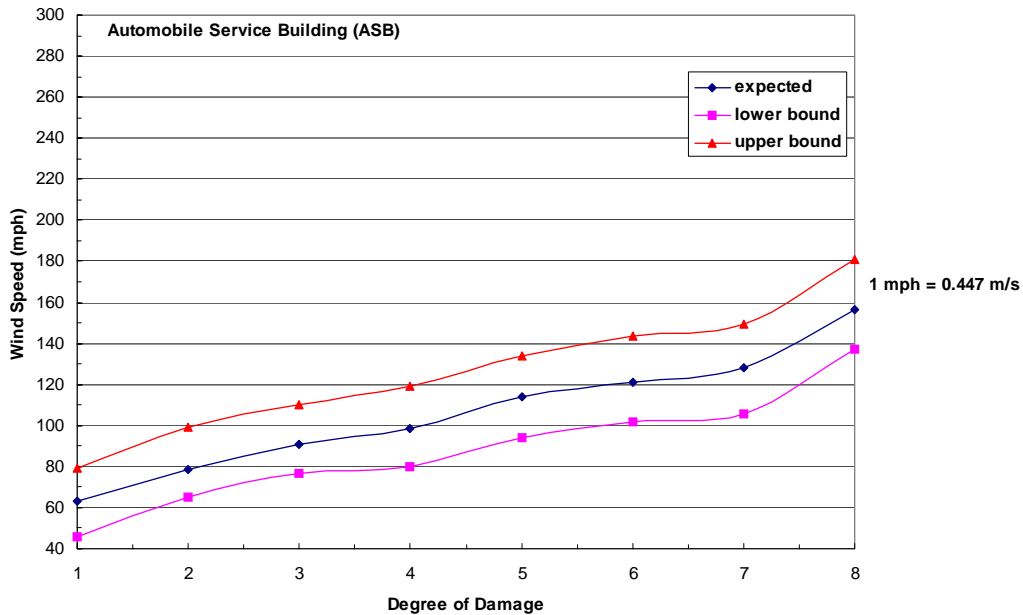


Figure 14. Wind Speed vs. Degree of Damage