

11. LARGE SHOPPING MALL (LSM)

Typical Construction

- Typically one or two stories
- Flat roof; some areas with relatively large spans
- Skylights and clear stories
- Single-ply or BUR with or without roof gravel
- Metal stud walls with brick veneer, stucco or EIFS cladding
- Light steel structural framing with open web joists, light metal framing or 3-D space framing
- Glass at entries

Table 11

DOD*	Damage description	EXP	LB	UB
1	No visible damage	71	59	86
2	Loss of roof covering ($\leq 20\%$)	85	69	105
3	Interior walls of top story collapsed	92	75	114
4	Broken skylights, clearstory windows and atrium walls	108	92	128
5	Uplift of some roof decking; significant loss of roofing material ($> 20\%$); loss of rooftop HVAC equipment	111	94	131
6	Wall cladding stripped starting at corners and progressing to other areas	128	108	150
7	Roof structure uplifted or collapsed	144	124	166
8	Exterior walls in top story collapsed	160	139	185
9	Complete destruction of all or a large section of the building	204	176	247

* DOD is degree of damage

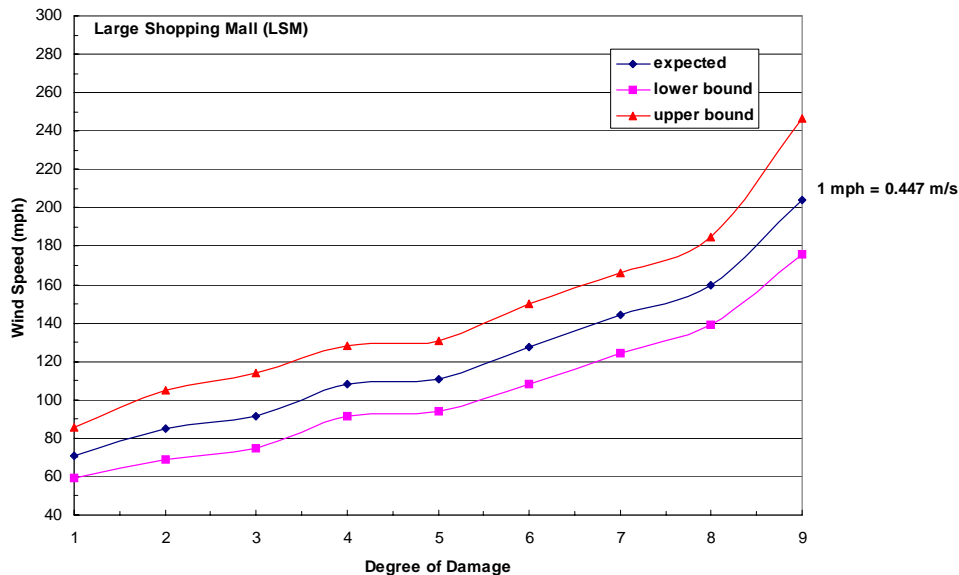


Figure 11. Wind Speed vs. Degree of Damage