

## 22. WAREHOUSE BUILDING (WHB)

### General Description

- This category includes all building systems except Metal Building Systems
- Examples include warehouse, storage and industrial buildings
- Buildings are generally rectangular in plan with flat, gable or hip roofs
- Built-up roofs with gravel, single-ply membrane ballasted, mechanically attached or fully adhered
- Light-frame steel construction with masonry bearing walls
- Large overhead doors
- Precast concrete columns, beams and double tees with tilt-up wall panels
- Heavy timber construction with stud walls and wood panels

Table 22

DOD*	Damage description	EXP	LB	UB
1	No visible damage	68	55	83
2	Loss of roofing material (<20%)	83	69	105
3	Uplift of roof deck; significant loss of roofing material (>20%); loss of rooftop HVAC equipment	88	75	107
4	Inward or outward collapse of overhead doors	103	88	122
5	Collapse of pre-cast concrete tilt-up walls	114	93	126
6	Collapse of other non-bearing exterior walls	124	102	144
7	Total destruction of a large section of building or entire building	158	131	186

\* DOD is degree of damage

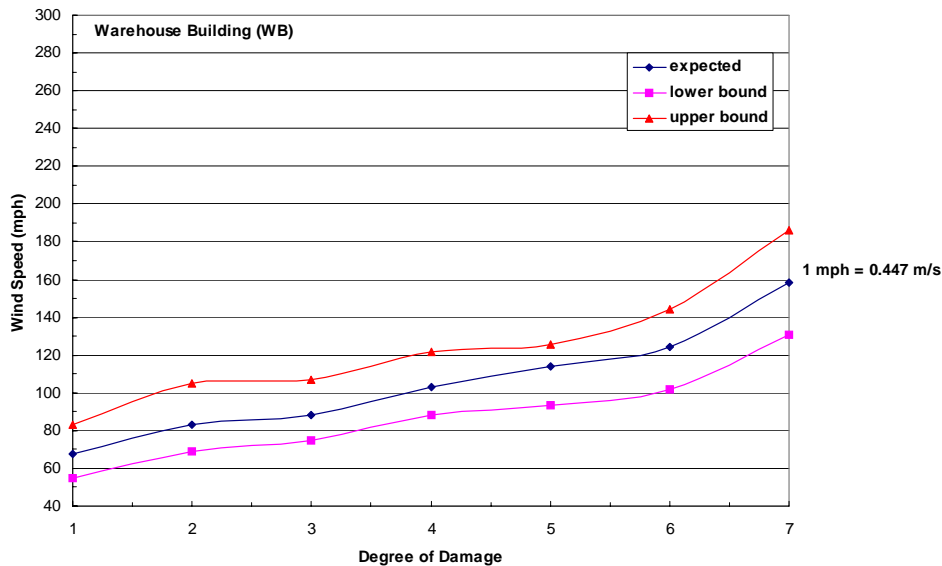


Figure 22. Wind Speed vs. Degree of Damage