

16. JUNIOR OR SENIOR HIGH SCHOOL (JHSH)

General Description

- Generally large one or two-story buildings with flat roofs
- Contain gymnasium, cafeteria and auditorium with large structural space; may have a basement
- Classroom wings have interior hallways with bearing or non-bearing interior walls
- Roof covering is BUR or single-ply membrane with or without gravel ballast
- Roof deck may be normal weight or lightweight concrete slab
- Roof structure may be open web joists supported on steel beams; corrugated metal roof deck with rigid insulation or poured gypsum deck
- Exterior walls constructed of concrete or clay blocks with brick veneer, stucco or EIFS; metal and glass curtain walls; wall may have more than 30% window glass

Table 16

DOD*	Damage description	EXP	LB	UB
1	No visible damage	68	55	83
2	Loss of roof covering ($\leq 20\%$)	79	66	99
3	Uplift of metal roof decking; significant loss of roof covering ($>20\%$); loss of rooftop HVAC equipment	87	71	106
4	Broken windows	101	83	121
5	Damage to or loss of wall cladding	101	85	119
6	Exterior door failures	108	92	127
7	Collapse of tall masonry walls at gym, cafeteria or auditorium	114	94	136
8	Uplift or collapse of roof structure	125	108	148
9	Collapse of exterior walls in top floor	139	121	153
10	Top floor destroyed	158	133	186
11	Complete destruction of all or a large section of the building	192	163	224

* DOD is degree of damage

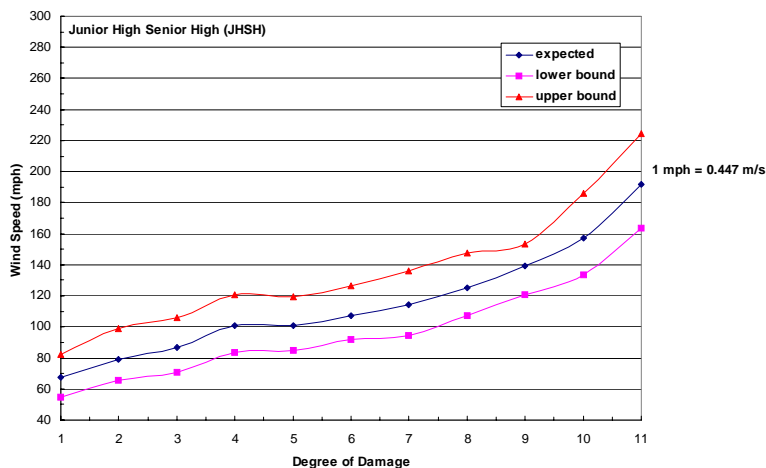


Figure 16. Wind Speed vs. Degree of Damage