HWH Protective Structures BRM Test Performance (HE: High Explosives)

(ATFP: Antiterrorism/Force Protection) (VCE: Vapor Cloud Explosions)

Туре	Peak Reflected Pressure (psi)	Impulse (psi-msec)	Duration (msec)	Response Criteria	Residual Surface Deflection (in)	Construction Materials
HE or ATFP	63	346	18	Low*	0.20	Composite
VCE	35	1,179	200	Low*	0.29	Composite
Competition	8 to 10	Unknown	200	Medium**	Unknown	Steel

^{*}ASCE defines low damage response criteria as localized building/component damage. Building can be used; however repairs are required to restore integrity of structural envelope (there is no lower level).

^{**}ASCE defines medium damage response criteria as widespread building/component damage. Building cannot be used until repaired. Total cost of repairs is significant.