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January 27, 2012

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Mr. Clyde Allen
The Tapco Group
4057 South Oak Street
Metamora, MI 48455

RE: Intertek Summary Letter 100625560MID-04 (Please reference Intertek Test Report G100061092MID-001 for full test report)
Shutter Type: Atlantic Premium Shutters Classic Collection Raised Panel (1/8" polycarbonate sheet on exterior)
Shutter Size: 30" by 96"
Test Standards: R & D large missile testing per ASTM E1886-05 Sections 11.1.2 through 11.3

Classic Collection – Raised Panel

Sample	Impact Location	Missile Speed (ft/sec)	Observations	Through Penetration
#5	#1- Center of Panel	50	Crack in hinge stile fiberboard	No
	#2- Center Meeting Edge	50	Crack in fiberboard at meeting stile	No
	#3- Lower Left Corner	51	20" crack in fiberboard- bent hinge- approx. 4" permanent deformation	No
#6	#1- Center Panel	50	Crack in fiberboard	No
	#2- Center Meeting Edge	50	Both stiles cracked at meeting edge	No
	#3- Lower Right Corner	50	Crack in fiberboard- bent hinge- Approx. 4.75" permanent deformation	No
#7	#1- Center Panel	50	Bent hinge- crack in fiberboard	No
	#2- Center Meeting Edge	50	Crack in fiberboard at both stiles	No
	#3- Upper Left Corner	50	Crack in fiberboard- bent hinge	No

Summary of Results

Missile Level	D (per ASTM E1996)
Nominal Missile Speed	50 ft/sec
Wind Zone	4 (per ASTM E1996)

Note: The test specimens were only tested to the impact portion of ASTM E1886.

Reported by:

Russ Burt
Senior Associate Engineer

Reviewed by:

Rick Curkeet, P.E.
Chief Engineer



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