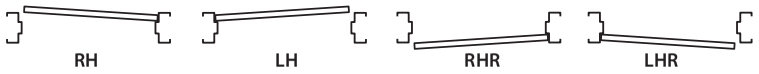
Sample Blast Quote Request Form

Blast Resistant Door – Request for Quote

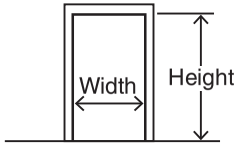
	Door							Blast Requirements ❹							Frame ❺		Hwr ❻
	Opening ❶					Door Type ❷	UL 10c Fire Rating ❸	Seated or Unseated	Peak Load (psi)	Reflected, Side-on or Free-Field	Impulse (psi-ms)	Duration (ms)	% Rebound Response	Response Category	Jamb Width	Wall Type (C, M, or S)	Lock Type
	Qty	Swing	Width	Height	Material												
1																	
2																	
3																	
4																	
5																	

❶ **Interior – Secure Area**



Exterior – Public Area (Key side of door)

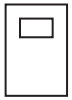
Door Swing

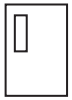


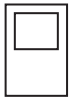
Material: The doors material type (CR-Cold Rolled, GV-Galvanized, or SS-Stainless Steel)
(Note: Stainless Steel doors may have mild steel internal reinforcements. Glavannealed doors may have cold-rolled or mild steel internal reinforcements)
Hinges: Heavy Duty S.S. Hinges 32D

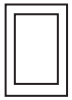
❷


(F) Flush


(V) Vision


(N) Narrow Light


(G) Half Glass

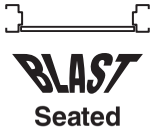

(FG) Full Glass

Glazing will be specified as necessary to meet the blast requirements. Please specify if the glazing is to be supplied by the Manufacturer or if you, the customer, will provide the glazing

☐ Glass by Manufacturer ☐ Glass provided by customer

❸ **Fire Rating** – Opening is required to withstand a fire for 1/3, 3/4, 1-1/2 or 3-hour rating.

❹



Seated

Unseated

Seated or Unseated is whether door will blast towards the door stop or away from the door stop, please choose one.

Peak Load – Peak blast pressure expressed in psi. Peak Load stated above is Peak Reflected Pressure unless noted otherwise

Duration – Blast duration in milliseconds.

Impulse – Impulse is a function of Peak Load and Duration. It is only necessary to provide either impulse *or* duration

Rebound Response – Represents the expected psi capacity the door will be required to withstand in the opposite direction of the blast in percent form.

0% No rebound response required.

50% Rebound response is capable of 50% of the specified blast load (psi)

100% Rebound response capacity is equal to blast load.

Note: Rebound is not applicable for an unseated blast load or static loading.

Category:

I No permanent damage

II Permanent damage to the panel, but the door remains operable

III The door panel is damaged & inoperable, and the latch may fail, allowing the door to swing open in rebound

IV Door panel is severely deformed with openings between the door and frame. Under dynamic load, the door may separate from the frame, and/or the frame anchorage may fail.

❺ Jamb width – Overall width of the frame section profile (depth)

Wall type – Wall condition the frame will be anchored to (**C**oncrete, **M**asonry or **S**tructural Steel [Tube steel])

❻ Lock Type – Mortise Panic Device (**MP**) or Mortise Lock (**ML**) – Stainless Steel Finish

Test Method:		Project Name:		Contact Person:	
Revision:		Project Location:		Title:	
		Project Mgr:		Company:	
		Contact Phone:		Phone:	
				E-mail:	
				Fax:	
				Date:	