■ BLAST RESISTANT DOOR AND FRAME ASSEMBLY FORM:							
	-	RFQ or	σОΙ	RDER	Ref. Quot	te #	
AMBICO	Date:	Custom	ner Name:				
SPECIALIZED DOORS · FRAMES · WINDO	* Job Name:						
Door Tag(s) & Swing(s):							
		Frame	e Informa	ation			
Rebate: (Nominal Door) *	Width:	Jam	nb Depth: _		Hea	ader Face:	
*Height: Wall Thickness: Jamb Face:							
1 Wall Type: ☐ New constru	ction OR \square Ex	kisting					
☐ Masonry/CN	MU OR □ Pour	ed/Cast Concrete	e OR □	Channel/T	ube Steel v	OR	d in frame
		Door	Informat	tion			
*Number of Door Leafs:		g: (see below)		* Glazing:			
☐ Single	_	Seated Unseated		☐ Flush (ı	no glazing)		
□ Pair				☐ Glazed	(see below)	
*Fire rating:	<u></u>	SEATED _		Stile:		_ Rail	:
□ None		A —		Width (cu	tout):	Heiç	ght (cutout):
☐ 20mins		BLAST		D.A	NIL - 1	1]
□ 45mins	╚	↑ ⊿ └		N.F		IEIGHT	
□ 90mins	سائی	NSEATED					
				STI	╚┼┼┤┤┷	/IDTH	Note: Lite dimensions are to cutout, not
□ 180mins						-	visible
		*, ² B	last Info	rmation			
3 STATIC LOADING			NAMIC LO			D	YNAMIC LOADING
STATIC LOADING		4				Weigh	nt of TNT:

³ STATIC LOADING		DYNAMIC LOADING		DYNAMIC LOADING
Static Pressure:	OR	4 Peak Applied Pressure: AND Duration: OR Impulse:	OR	Weight of TNT: AND Standoff:

*,5 Rebound: (select one) \square 0% OR \square 50% OR \square 100% OR \square True (Dynamic Loading)

*,6 Performance Requirement: (select one)

Response	End Rotation	Ductility	Description
Category I	1.2	1	No permanent deformation. Door and hardware remains operable.
Category II	2	3	Minor permanent deformation. Door and hardware remains operable.
Category III	8	10	Major permanent deformation. Door and hardware may be inoperable.
Category IV	12	20	Severe permanent deformation. Door and hardware may be inoperable.

Hardware

PROVIDE PROPOSED HARDWARE SETS FOR REVIEW BY AMBICO. HINGES AND LATCHING ARE CRITICAL COMPONENTS IN BLAST RESISTANT FRAME & DOOR ASSEMBLIES AND, WHEN REQUIRED, WILL BE SUPPLIED BY AMBICO.

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Blast Resistant Door and Frame Order Form Instructions

Rev. 5 - 2019/04/29

- * Items marked with an asterisk (*) are required for quotation purposes. All inputs are required when placing an order.
 - 1. Existing 4000psi normal weight concrete wall or steel channel will be assumed if wall type is not indicated.
 - 2. Petrochemical is typically Cat II and true rebound. Typical petrochemical pressures are 2psi, 3psi, 5psi, 6psi, 8psi, and 10psi (side-on overpressure) with 100ms and 200ms durations. If asked for these pressures and durations, they are likely side-on overpressure and will need to be converted into peak reflected. See ASTM F2247 for static loading terminology and ASTM F2927 for dynamic loading terminology.
 - 3. Only Cat I and Cat II responses apply to static pressure. Pressures up to 170psf without any additional information provided will be assumed to be static pressure, seated, 100% rebound, and Cat II response. If a structural door or specialty hardware is required, additional information should be requested before a quote is provided.
 - 4. Peak applied pressure will be considered as peak reflected pressure unless otherwise indicated. Please indicate the units. Pressure is typically PSI or PSF, duration is typically ms, and Impulse is typically PSI*ms or PSF*ms.
 - 5. Rebound will be assumed to be 0% if not provided for Cat III and Cat IV responses, but must be provided for Cat I and Cat II. End Rotation and Ductility do not apply for static pressure.
 - 6. Only Cat I and Cat II responses apply to static pressure. DO NOT SELECT CAT III OR CAT IV RESPONSE WITH STATIC PRESSURE.