## FORM Q-108 RECOMMENDED FORM FOR QUALIFYING THE VESSEL DESIGN AND THE PROCEDURE SPECIFICATION USED IN FABRICATING CONTACT-MOLDED, FIBER-REINFORCED PLASTIC PRESSURE VESSELS (CLASS I) (Revision D — 2023)

			,	
hange in any of the essent	ial variables denoted	l by an asterisl	k below requires a new Proced	dure Specification.)
Procedure Specification N	lumber			
Vessel or Vessel Part Ide	ntification		(I las serents chast for s	
Materials for Vessel/Ves	sel Part or Secondan	(Overlay)	(Use separate sneet for e	ach separate part or component)
			******	*Manufacturing Na
		"Fiber Form		*Manufacturing No.
2. Material No. 2 —				
3. Material No. 3 —				
	Material Type		Manufacturer	Manufacturing No.
*3. Promoter _				
Laminate Construction f	or Vessel or Vessel F	Part (Use sepa	rate sheet for each part)	
*Total Number of Plies	lies		Tot	al Thickness
*Ply Sequence and Orie	entation (Ply No. 1 ne	ext to process)		
Ply No.	Fiber Material No.	_	Fiber Orientation	Reference Axis
		// /	-laharta (furana ang)	
*Curo Mothod		(	57	hr
				111
*Design Barcol Hardnes	S	+/		
*Design Fiber by Weigh	t%	+/	%	
Assembly of Vessel Par	ts			
Bond to Join Vessel Par	t A			
		(Use separate	e sheet for each Joint)	
*Method of Surface Pre	paration for Seconda	ary Overlay		
*Distance of S.P. From I	Mating Joint: Part A	(Lenath	Part B	(Length)
Overlay Construction -	– Interior Surface (if		,	
*Number of Plies	Thicknes	5	*Overlav Length	
	Procedure Specification N Vessel or Vessel Part Idea Materials for Vessel/Vess Reinforcements 1. Material No. 1	Procedure Specification Number         Vessel or Vessel Part Identification         Materials for Vessel/Vessel Part or Secondary         Reinforcements       *Fiber Type         1. Material No. 1	Procedure Specification Number         Vessel or Vessel Part Identification         Materials for Vessel/Vessel Part or Secondary Overlay         Reinforcements       *Fiber Type         *Fiber Type       *Fiber Form         1. Material No. 1	Vessel or Vessel Part Identification       (Use separate sheet for expendence of the sheet for each part of the sheet for each part of the sheet of the sheet of each part of the sheet of the sheet of each part of

## FORM Q-108 (CONT'D) (Revision D — 2023)

Ply No.	Fiber Material No.	Fiber Orientation	Reference Axis
		·	
	(Use a	additional sheets if necessary)	
Cure Method		*Post Cure(Temperature)	hr
Design Barcol Hardn	ess		
Design Fiber by Wei	ght% +/_	%	
Overlay Construction	— Exterior Surface		
Number of Plies	Thickness	*Overlay Length	-
Ply Sequence and Or	ientation (Ply No. 1 next to join	ed parts)	
Ply No.	Fiber Material No.	Fiber Orientation	Reference Axis
		· · · · · · · · · · · · · · · · · · ·	
	(Use a	additional sheets if necessary)	
Cure Method		*Post Cure(Temperature)	hr
Design Barcol Hardn	ess	+/	
Design Fiber by Weig	ght% +/_	%	
Summary			
Component/Part Fabri	cation		
No.	Part Identification	Proce	dure Specification
<u>1</u>			
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$			
<u> </u>			
5			
<u>6</u>			

VI.

## FORM Q-108 (CONT'D) (Revision D — 2023)

Comp	ponent/Part Assembly								
No.	Part A	To	Part B	Specification Number and Revision					
<u>1</u>									
2									
<u>3</u> 4									
5									
<u>6</u>									
	*Vessel Volumeric Expansion								
	*Vessel Weight								
	Qualification								
	Vessel(s) Serial Number	(s)							
	Design Report Number a	and Revision							
	Test Report Number								
	ASME Section X								
		Edition Year		Code Case No.					
D	ate	(Fabricator) Signature		(Location)					
0	ur Certificate of Authorization	No	To use the Certificate	e Mark with RP Designator expires					
		CERTIFICATI	ION OF SHOP INSPECTION	 ON					
			-	of Boiler and Pressure Vessel Inspectors					
				procedure have been qualified and state that, to					
	-	-		e fabrication procedure employed in constructing					
the	vessel(s) satisfy the require		•••	PRESSURE VESSEL CODE, Fiber-Reinforced					
Pla	stic Pressure Vessels.								
cor		•		ver makes any warranty, expressed or implied, urthermore, neither the Inspector nor Inspector's					
		•	• ·	erty damage or loss of any kind arising from or					
	nected with this inspection.	·							
Dat	e		Commission						
Dui	·			(National Board Authorized Inspector Number)					
	(Authorized Ins	spector's Signature)							