ASME BPVCI-2021

1. Manufa	actured I	by					Disc	①	non-fortu	rod					
2. Manuf							un	2 ame and address o	f purchas	or)					
		f Part(s)		Li	ne I	Mfr's, Ide	entifyina	Manufacti	rer's	_		Nati	onal	Year	
	of Part	Qu	uantity	N	lo.	Num	ibers	Drawing	No.	CR	N E	Board	d No.	Built	
4. The e	mia-1	nd ob	l neo	ine c4.	I north	out the	ouleo	of material sp	neiff '	ione of th	ACAME DO.	ED ^	ND DDECC	IDE VE	
CODE.	The desi	ign (as indi	icated on	line 14,	, Remarks	conforn	ns to ASME	Rules, Section	l of AS	ME BOILE	R AND PRES	SUF	RE VESSEL (CODE.	MEL
_	(Year)	, A	ddenda t	о		0	(1) Date)	(if applica	ble), a	nd Code Ca	ises		(Numbers)		—
S(a), Drun	ns			Г		Sh	nell Plates			Tube	sheets	Т	Tube Hole Efficie	e Ligame	ent
No. Dia	side meter	Inside L	ength	Mate	erial Spec	. No., Gri		ness Inside R	ndius	Thickness	Inside Rad	ius	Longitu- dinal	Circu	um- ntial
2					0		9		_	(1)			29	(2)
4															
\top	Longitu	idinal its	C	ircum. Joints					Heads						
No. T	lo. & ype*	Effi- ciency	No. & Type	E cie	ffi- incy	Ma Spec. N	aterial No., Grade	Thick		Type*		-	Manholes No. Size	Hydro Te:	static st
2 3					+	(9	(1)	(14)		9	ŧ		(9	9
4 vdicate if (1)	Seamless	s; (2) Fusion v	veided.		_					**indicate if	(1) Flat: (2) Dis	hed; (3) Ellipsoidal: ((4) Hernisp	oherical.
(b). Boile		Thiston	11	odel Co	No. 0				ix or sinu		(3) c	r o: This	(14) ckness)	_	_
(17)	er .	Thickness	Mate	eriai Spi	вс. No., G	rage	He	ads or Ends a		torial spec. no.:	Thickness)		o. Test	(8)	_
_						=	6(d). Str				g) otor: Stro telltak	: Not			9
								th (Hortzontal and				ne bol	MA)		
(e). Mud	Drum =	(For sact, has	20 (ader boilers	21) (12) , statu: Sizi	© or s: Shape: Ma	art. spac. no.	:: Thickness)	Heads or End	S	(22) hapo: Material	(1) (A) ipec. no.: Thick	noss)	- Hydro Te	est, psi .	<u>®</u>
7(a). Wate	rwall He	eaders					Heads or	Ende	_		7(b). Wa	iterw	rall Tubes		
No. Siz	e and Sh	nape Spe	aterial sc. No.	Thickr	ness	Shape	Thickne	Materi	al lo.	Hydro. Test	Diameter	. .	Thickness	Mate Spec.	erial No.
-	9 E	9	9	13	(9)	23	9	9	Ŧ	(16)	19	£	(9)	(12)
							1							_	
						ASN	32 ME BPVC								
						ASN	ME BPVC								
								I-2021			P-4	IIDI	No. ——	6	Đ
ed by							ME BPVC	I-2021			P-4	IIDI		(i)	
	aders						ME BPVC	I-2021 -4						Page	
nizer Hea	N	Material Dec. No.	Thick		Shap	Hea	FORM F	I-2021 -4		Hydro. Test	8(b). Ec	ono	mizer Tube	Page	
mizer Hea	N	Material sec. No.	Thick (3) o		Shap 22	Hea	FORM F	I-2021 -4 Is Materia		Hydro. Test	8(b). Ec	ono	mizer Tube	Page)
mizer Hea	pe Sp	Material sec. No.				Hea	FORM F	I-2021 -4 Is Materia	l k	Hydro. Test	8(b). Ec	ono	mizer Tube Thickne	Page es)
ed by mizer Hea and Sha (i) (ii)	pe Sp	Material sec. No.				Hea	FORM F	I-2021 -4 Is Materia		Hydro. Test ©	8(b). Ec	ono	mizer Tube	Page es)
nizer Hea	pe Sp	flaterial pec. No.				Hea	FORM F	I-2021 -4 Is Materia		Hydro. Test ©	8(b). Ec	ono	mizer Tube Thickne	Page es)
nizer Hes and Sha) ②	pe Sp	Material Dec. No.				Hea	FORM F	I-2021 -4 Is Materia		Hydro. Test ©	8(b). Ec Diamet	ono	mizer Tube Thickne	Page es ss :)
nizer Hes and Sha) ②	pe Sp	ig		r(A)		Hea	FORM F (1) ads or Enc Thickness (3)	I-2021 -4 Is Materia		Hydro. Test ©	8(b). Ec Diamet	ono	mizer Tube Thickne (B) heater Tub	Page es ss :)
and Sha and Sha (2)	pe Sp	ig	(1) 0	r (½)	22	Her	FORM F (1) ads or Enc Thickness (3)	I-2021 Materia Spec. No. (9)		© 	9(b). Su 9(b). Su	ono	mizer Tube Thickne (ii) heater Tub	Page)
nizer Hea and Shaj) ② eater He Parts (1)	aders	(B)		(2) , and type	(2)	Hea	FORM F ① adds or Ent. (3)	I-2021 Material Spec. No. (3)	re Reli	© 	9(b). St. 10(b). Tu	ono er uperl	mizer Tube Thickne (ii) heater Tub for Other	Page es Parts)
eater He	pe Sp aders	(B)	(3) o	(2)	(2)	Heappe 1	FORM F (1) (2) (3) (3)	I-2021 Materia Spec. No. (9)	re Reli	© ief Valve .	9(b). Su 10(b). Tu	ono er uperl	mizer Tube Thickne (ii) heater Tub for Other	Page Parts Parts Parts)
mizer Hed and Sha (a) (b) (c) easter He	aders	(B)	(No., size)	(2)		He.i	FORM F (1) (2) (3) (3)	I-2021 Material Spec. No. (3)	re Reli	© ief Valve .	9(b). Su 10(b). Tu	ono er uperl	mizer Tube Thickne (B) (B) heater Tub for Other	Page Parts Parts Parts)
mizer Hed and Sha (a) (b) (c) easter He	aders Maxin	®	(No., size	(2)		He.i	FORM F (3) (3)	I-2021 Is Material Spec. N (3) (4) Feed , Heatling	re Reli	© ief Valve .	9(b). Su 10(b). Tu	ono er uperl	mizer Tube Thickne (B) (B) heater Tub for Other	Page Parts Parts Parts)
and Shape and Sh	aders Maxin	(3)	(No., size	(2)	(2) (3) (4) (5) (6) (7) (7) (7) (8) (9) (9) (9) (9) (9) (9) (9) (9) (9) (9	He.i	FORM F (1) (2) (3) (3)	1-2021	re Reli	© ief Valve .	S(b), Ec Diamele (i) 9(b), St 10(b), Tu (No., state, type, ar	ono er uperli	mizer Tube Thickne (B) (B) heater Tub for Other	Page)
mizer Hed and Shap an	aders Maxin	®	(No., size	(2)		He.i	FORM F (3) (3)	I-2021 Is Material Spec. N (3) (4) Feed , Heatling	re Reli	(No.	S(b), Ec Diamelel (i) 9(b), St. 10(b), Tu (No., stize, type, ar.	ono eer uperl	Thicknes (ii) Thickness (iii)	Page)
and Sha @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @ @	aders Maxin	®	(No., size	(2)		He.i	FORM F (3) (3)	I-2021 Is Material Spec. N (3) (4) Feed , Heatling	re Reli	(No.	S(b), Ec Diamele (i) 9(b), St 10(b), Tu (No., state, type, ar	ono eer uperl	Thicknes (ii) Thickness (iii)	Page)
izer Heider Heid	aders Maxin	®	(No., size	(2)		He.i	FORM F (3) (3)	I-2021 Is Material Spec. N (3) (4) Feed , Heatling	re Reli	(No.	S(b), Ec Diamelel (i) 9(b), St. 10(b), Tu (No., stize, type, ar.	ono eer uperl	Thicknes (ii) Thickness (iii)	Page)
izer Hed and Shap (3) (3) (4) (5) (6) (7) (8) (9) (9) (9) (9) (9) (9) (9) (9) (9) (9	aders Maxin	ec. No. (i)	(No., stream vable I	(2)		He.i	FORM F (3) (3)	I-2021 Is Material Spec. N (3) (4) Feed , Heatling	re Reli	(No.	S(b), Ec Diamelel (i) 9(b), St. 10(b), Tu (No., stize, type, ar.	ono eer uperl	Thicknes (ii) Thickness (iii)	Page)
easter Hei	pe Sp	® iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii	(3) o	(2)	Go Go of nozzle a of nozzle a of nozzle a of Nozzle to or White Is Basec	Hee 7	FORM F (3) (3) (3) (4) (5) (5) (6) (7) (7) (7) (8) (8) (9) (9) (9) (9) (9) (9	Is Materian Spec. N. Government of the Communication of the Communicatio	re Reli	(No. (No. (No. alternative call)	9(b). So Diameter (T) 9(b). So (No., strip, str	ono er iperi	mizer Tube Thickness Thickness Thickness Torother Torother Torother Torother Torother Torother Torother Torother Torother	Page Parts P	Materials Spec.
and Shai	aders aders Maximum	® Image: Both and the second	(No., size (No., size)	(2)	29 as of nocrise as of nocrise as of nocrise as of nocrise CEFF	Here I	FORM F (3) (3) (3) (4) (5) (5) (6) (7) (7) (8) (8) (9) (9) (9) (9) (9) (9) (9) (9) (9) (9	Is Material	re Reli	(No. (No. (No. (No. (the based minimum valve of the table) (the table) (the table) (the table)	8(b). Ec Diamel (i) 9(b). St 10(b). Tu (ive., state, type, at a state, type, at	ono er perl bes desi	Thickness the state of the stat	Page es :: Parts :: Display to the control of the c	Materials Spec.
mizer Heesen Hee	Maxim World	© made in 1 ction, and	(No., size	(2)	General Section (CEF) CEF CEF CEF CEF CEF CEF CEF	Heil Heil Time Time Time Time Time Time Time Time	FORM F (3) (3) (3) STATE OF C C atata Report conformation conforma	Is Material	DE CE and I of ti	(No. (No. at all of that all of that all of that all of the ASME	B(b). Ec Diameter (P) (No. str.) (No. str.) (No. str.) (str.) (ono eer libes libes disconnection liber desi	Thickness the state of the stat	Page es :: Parts :: Display to the control of the c	Materials Spec.
mizer Heesen and Shan	pe N Sp	© made in 1 ction, and	(3) o	(2)) and hyper (3) Code P. MAWF	GO CEFF Uner's Pt of this to use	Heat Per I T T T T T T T T T T T T T T T T T T	FORM F (3) (3) (3) (4) (5) (7) (7) (7) (7) (7) (7) (7	is Material (i) (ii) (iii) (ii	DE CE and I of ti	(No. (No. at all of that all of that all of that all of the ASME	S(b), Ec Diameter 9(b), St. 10(b), Tu	(in the state of t	mizer Tubb Thickne T	Page es :: Parts :: Display to the control of the c	Materials Spec.
mizer Heesen and Sha	pe N Sp	® © mum Allowardering Press © mum Allowardering Press ©	(3) o	(2)	GO CEFF Under September	Heope 1 The property of the P	(3)	is Material (i) (ii) (iii) (ii	re Reli	(No. (No. at all of that all of that all of that all of the ASME	S(b), Ec Diameter 9(b), St. 10(b), Tu	(in the state of t	Thickness the state of the stat	Page es :: Parts :: Display to the control of the c	Materials Spec.
mizer Heichard Auflich er Heichard Aufliche Heine Hein	aders aders Maxin Worth ments to sonstru Sig	® © made in 1 cition, and one No	(%) o (No., size o	(Aut (Aut (Aut (Aut (Aut (Aut (Aut (Aut	② CEF CEF CEF CEF CEF CEF CEF CE	He H	(3)	is Material (i) (ii) (iii) (ii	CE ct and n l of ti	(No. (No. at all of the part o	S(b). Sc Diameter (G)	(in the second s	mizer Tubul Thicknee (iii) Thicknee (iii) for Other (iii) for Other (iii) garage (i	Page Parts P	Materials Spec.
mizer Heizer Manager Heizer He	aders aders Maxin Wort ments to sonstru Sig	® © made in 1 cition, and one No	(%) o (No., size o	(2)	© CEF	Heleppe 1 Grantial Day RTIFICA RTIFICA RTIFICA RTIFICA RTIFICA By the	FORM F (3) (3) (3) (4) (5) (5) (7) (7) (7) (7) (7) (7	Is Materian Spec. No. (2) Pressure Surface (4) Feed , (4) Feed , (4) Feed , (5) Feed Surface (5) Feed Surface (6) Feed (7) Feed (re Reli	(No. (No. (No.) This hash a substitute of that all that	S(b). Ecc Diamet (f) 9(b). St. 10(b). Tu (No., still, fyria, articles to be because on down has been down for or expires and fyria still been down for expires the distribution of expires the expires the distribution of expires the distribution of expires the dist	(in this section of the section of t	mizer Tubul Thickne (ii) Thickne (iii) for Other for Other and of poor for other ggn (as increased as Manufacturer)	Page Parts Parts Parts dicated E VESS	Maters Spec. ①
mizer Hee and Sha	pe S _S saders aders Maximum World Maximum World Month World Month M	Balance No. General Section 1999	(No., street of the street of	(2)	GEF CEFF OF TO A STATE OF THE A ST	Here (3) (3) (4) (5) (5) (6) (7) (7) (7) (8) (8) (9) (9) (9) (9) (9) (1) (1) (1	Thickness and ads or Enc. (3) (3) (4) (5) (7) (7) (7) (8) (8) (9) (9) (9) (PRT), or and to off or any	Is Material Spec No. (4) Feed . (4) Feed . (4) Feed . (5) More of the Sourisse of the Sourise of the Sourisse of the Sourisse of the Sourisse of the Sourisse	DE CE ct and i l of ti	lef Valve	S(b). Ecc Diamete (3) 9(b). St. 10(b). Tu (4e., site (5) (6e., site (6e., site (7) (7) (8e., site (8e.	September 1 Septem	mizer Tubulan Thicknes (%) Thicknes (%) for Other for Other gn (as included of the state of country of the state of the sta	Page ss ss ss ss Parts Parts dicated E VESS	Maters Spec.
izer Hei and Sha ater He at	aders	Dec. No.	(%) o (No., strature) (No., strature) (No., strature) (a) (a) (b) (b) (c) (c) (c) (c) (c) (c	(2) (2) (2) (2) (3) (4) (Autority of the control of the cont	CEFF CEFF CEFF CFF CFF CFF CFF C	Heave 1 So or outlief to outl	Thickness as a second of the s	Is Material Spec. No. (2) Pressure (4) Feed (4) Feed (5) Surface (5) No. (5) No. (6) No. (7) N	re Reli CE N iiiler au t of the nowlee VESS	(No. 1992) Heating and present and pres	S(b). Sc. Diameter (f) 9(b). Sc. 10(b). To (rec. stirs, type, ar tourface to be stirs, type, ar tourface tourface to be stirs, type, ar tourface tourface tourface tourface to tourface tour	(i) (i) (ii) (iii)	mizer Tubular Thicknee (iii) Thicknee (iii) for Other for Other for Other about 1 by set from the form of conne generating about 1 by s	Page Parts Par	Mater Spec.
coordannic coordannic so earth	ments : Sign holdin ce with holdin ce with loate a loss of	Dec. No.	(%) o (No., strature) (No., strature) (No., strature) (a) (a) (b) (b) (c) (c) (c) (c) (c) (c	(2) (2) (2) (2) (3) (4) (Autority of the control of the cont	CEFF CEFF CEFF CFF CFF CFF CFF C	Heave 1 So or outlief to outl	(3)	Is Is Material	re Relii	(No. (No.) (No.	8(b). Ecc Diamete 9(b). St. 10(b). Tu (No., still, fig. 6) (No. stil	(in this is the state of the st	mizer Tubular Thicknee (iii) Thicknee (iii) for Other for Other for Other about 1 by set from the form of conne generating about 1 by s	Page SS Parts Parts Parts Addicated E VESS And emitturer's r has c c rt descripersor	Mater Spec. (3)

This page is for information only

ASME BPVC.I-2021

Table A-354 Guide for Completing Manufacturer's Partial Data Report, Form P-4 (See PG-112.2.4)

Reference to Circled Numbers in	
the Form	Description
(1)	Name and address of manufacturer of the part(s) reported on the Form P-4.
(2)	Name and address of Manufacturer of the boiler unit with which the part(s) will be used, if known. If built for stock, so state. If for an existing unit, name of the owner or user and address of the unit at place of installation.
(3)	Identification of individual parts documented by the Form P-4.
(4)	Show name of part, e.g., "steam drum," "Superheater header," etc.
(5)	Show data line number of Form P-4 for the named part.
(6)	Show manufacturer's serial or other numbers stamped on the named part.
(7)	Show the drawing number for the named part.
(8)	Where applicable, the National Board Number from the Manufacturer's series of National Board Numbers.
(9)	Year in which fabrication of the part was completed.
(10)	Date (year) of Section I Edition to which part was designed.
(11)	Issue date of Addenda (if applicable) to Section I to which part was designed (e.g., "1990").
(12)	Show the complete ASME Material Specification No. and Grade as listed in the appropriate stress allowance table in the Appendix of Section I (a.g., "SA-285-8"). Exception: A specification number for a material not identical to an ASME Specification may be shown only if such material meets the criteria in the Foreword of this Section. When material accepted through a Code Case, the applicable Case Number shall be shown.
(13)	Nominal thickness of the plate.
(14)	Minimum thickness after forming.
(15)	Radius on concave side of dish.
(16)	Hydrostatic test, if any, applied to individual part prior to test applied to the assembled boiler.
(17)	Outside diameter.
(18)	Minimum thickness of tubes.
(19)	This space for headers not covered in lines 7(a) through 10(a). It is intended primarily for sectional headers on straight tube watertube boilers.
(20)	Use inside dimensions for size.
(21)	Indicate shape as square, round, etc.
(22)	Indicate shape as flat, dished, ellipsoidal, or hemispherical.
(23)	Show data for main, auxiliary steam outlets, and feedline connections only. Does not apply to small openings for water columns, controls, vents, drains, instrumentation, or to openings for connections internal to the boiler such as risers, downtakes, or downcomers.
(24)	Size is nominal pipe size.
(25)	Describe type as flanged, welding neck, etc.
(26)	Any additional information to clarify the report should be entered here. When applicable and when it is known, indicate the National Board Number of the completed boiler.
(27)	To be completed and signed by an authorized representative of the part(s) manufacturer.
(28)	This contificate to be completed by the Authorized Inspection Agency representative who performs the inspection. If a National Board Number has been assigned to the part, the inspector signing this certificate must hold a valid National Board Commission.
(29)	The Inspector's National Board Authorized Inspector Commission Number must be shown.
(30)	List parts not covered elsewhere on the Data Report. If insufficient space, attach a supplementary sheet (Form P-6).
(31)	The Certificate Holder shall assign a unique identifying number for this form. To be shown on all pages of Form P-4.
(32)	Indicate data, if known.
(33)	Indicate extent of design function [see PG-112.2.4(b)(3)]. If the Manufacturer is not assuming design responsibilit for the part, the Edition and Addenda used for manufacture of the part shall be noted.
(34)	Show page number and total number of pages of Form P-4.

ASME BPVC.I-2021

FORM P-4A MANUFACTURER'S DATA REPORT P-4A ID No. FOR FABRICATED PIPING As Required by the Provisions of the ASME Code Rules, Section I Page of ______ Manufactured by 2. Manufactured for ____ 3. Location of installation _____ (3) Shop Order No. ______ Boiler Registration No. _____ 5. Design Conditions of Piping <u>(Precurse)</u> Specified by <u>(Precurse)</u> C. The chemical and physical properties of all piping meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design conforms to Section I of the ASME BOILER AND PRESSURE VESSEL CODE. Addends to (Italia (If applicable), and Code Cases (Numbers) 7. Description of Piping (include material identifications by ASME specification or other recognized Code designation) Shop Hydrostatic Test _______ . CERTIFICATE OF SHOP COMPLIANCE Date______ Signed _____ ____ by____

have inspected the piping described in this Manufacturer's Data Report and state that, to the best of my knowledge and belief, the manufacturer has constructed this piping in accordance with the applicable sections of the ASME BOILER AND PRESSURE VESSEL CODE.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the piping described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date

③ CERTIFICATE OF SHOP INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by

ASME BPVC.I-202

	FORM P-4	MANUFACTURER'S		o. <u> </u>
	As Required by the	Provisions of the ASM	E Code Rules, Section I	Pageof
Manufactured by		(Name and address	of manufacturer)	
2. Manufactured for		(Name and addres	s of nurchasar)	
3. Location of installation			3	
4. Identification	(4) Main steam boiler food blow off or) other service piping — state which)	Piping Registration No.	(4)
			Boiler Registration No.	(4)
5. Design Conditions of Pipin	g	(Earnessature)	. Specified by	© arms of Co.)
Code Design by		(to input accord)	***	and or co.
6. The chemical and physical CODE. The design conforms to			specifications of the ASME BOILER L CODE	
Addenda to	(if any	Nicable) and Code Cases	(Year (Numbers)	d
			(Numbers) er recognized Code designation)	
		· 0		
Shop Hydrostatic Test Remarks				
		CERTIFICATE OF SHOP COMP	LIANCE	
We certify the statement in the			n, material, construction, and work	manship of the described
Our Certificate of Authorization	on No	to use the (S) or (PP) De	signator (12) Expires	<u> </u>
Date	Signed	0	by (Authorized R	9
	ev	lanufacturer or Fabricator)	(Authorized H	epresentative)
	(1)	CERTIFICATE OF SHOP INSPE	ECTION	
I, the undersigned, holding	a valid commission issue	ed by the National Board of	Boiler and Pressure Vessel Inspe	ctors and employed by
			r's Data Report and state that, to the I	
			tions of the ASME BOILER AND PRE	
	ort. Furthermore, neither	the Inspector nor his employ	ty, expressed or implied, concernin yer shall be liable in any manner f 1.	
Date				
		Commission	(4)	
(Author	rized Inspector)		[National Board Authorized Inspector 0	Commission Number]

(07/17

ASME BPVC.I-2021

	FORM P-4A	P-4A ID No	(i)
flanufactured by	•		of
Description of Field Fabrication	(16)		
Field Hydrostatic Test	-		
iping conform to Section I of the ASME BOILE	CERTIFICATE OF FIELD FABRICATION COMP! De correct and that all details of design, mater IR AND PRESSURE VESSEL CODE. To use the (S) or (PP) Design (Authorited Representative)	nator expires	· •
/e certify that the field assembly of the descr ESSEL CODE. Our Certificate of Authorization ate	CERTIFICATE OF FIELD ASSEMBLY COMPLIA ribed piping conforms with the requirements No	of Section I of the ASME BO (A), (S), or (PP) Designator ex	pires (ii)
(9) the undersigned, holding a valid commiss	CERTIFICATE OF FIELD ASSEMBLY INSPEC ion issued by the National Board of Boiler i		ors and employed by
nave compared the statements in this Manu tems east of my knowledge and belief, the manufacts sections of the ASME BOILER AND PRESSU of (7)	, not included in the Certificate of Shop Inspurer and/or assembler has constructed and ass	ection, have been inspected embled this piping in accorda	by me and that, to the nce with the applicable
By signing this certificate, neither the Inspector his Manufacturer's Data Report. Furthermore, property damage or a loss of any kind arising f Date.	neither the Inspector nor his employer shall from or connected with this inspection.		
	Commission	(3)	

Table A-354.1 Guide for Completing Manufacturer's Data Report, Form P-4A (See PG-112.2.5)

Reference	
to Circled	
Numbers in	
the Form	Description
(1)	Name and address of manufacturer or fabricator of Code piping.

- (2) Name and address of purchaser and/or owner.
- (3) Name and address of location where piping is to be installed, if known
- (4) Identify each section of piping (e.g., main steam, blow-off, boiler feed), including the section's identification number, if assigned.
- (4a) Include the piping registration number, if assigned (e.g., National Board No., Canadian Design Registration No., or other jurisdictionally required registration numbers).
- (4b) The shop's identifying order or tracking number.
- (4c) The Purchaser's identifying order number.
- (4d) Include the registration number of the boiler where the piping is to be installed, if known (e.g., National Board No., Canadian Design Registration No., or other jurisdictionally required registration numbers).
- (5) Show the maximum design pressure and temperature of the section of pipe (see ASME B31.1).
- (6) Name of the organization that established the design pressure and temperature.
- (7) The organization that made the calculations and selected the pipe schedules for the working conditions
- (8) Refer to the requirements of ASME B31.1.
- (9) Describe each section of piping, size, thickness, schedule, etc. Show the complete ASME Material Specification No. and Grade as listed in the appropriate stress allowance table in the Appendix of Section 1 (e.g., "SA-106"). Exception: A specification number for a material not identical to an ASME Specification maybe shown only if such material meets the criteria in the Foreword of this Section. When material is accepted through a Code Case, the applicable Case number shall be shown.
- (10) Piping fabricated in field show test pressure of hydro-applied in the field (see PG-99) and witnessed by Authorized Inspector.
- (11) The name of the piping manufacturer or fabricator, signature of authorized representative and date signed.
- (12) Show ASME authorization number, kind of Designator, and date of expiration.
- (13) This certificate to be completed by the Authorized Inspection Agency representative who performs the field assembly inspection.
- (14) The Inspector's National Board Authorized Inspector Commission Number must be shown.
- (15) Describe sections of piping to be joined, design of welded joint, procedure to be followed, number passes, preheat, postheat, etc. (see ASME B31.1).
- (16) Show test pressure used during field hydrostatic test (see PG-99) and witnessed by the Authorized Inspector.
- (17) Signed by an authorized representative of the organization responsible for the field fabrication or field assembly (assembler, manufacturer, fabricator), or both, and the date signed.
- (18) Show ASME authorization number, kind of Designator, and date of expiration.
- (19) This certificate to be completed by the Authorized Inspection Agency representative who performs the field assembly inspection.
- (20) Only list those piping sections and welds inspected in the field.
- (21) Show field hydrostatic test pressure (see PG-99).
- (22) The Certificate Holder shall assign a unique identifying number for this Form. To be shown on all pages of Form P-4A.
- (23) Show page number and total number of pages of Form P-4A.

ITEM 22-1631

	FORM P-4A	P-4A ID No
Manufactured by	0	Pageof
). Description of Field Fabrication	(16)	
I. Field Hydrostatic Test		
	CERTIFICATE OF FIELD FABRICATION COM	PLIANCE terial, construction, and workmanship of the describ
piping conform to Section I of the ASME E		
DateSigned	(7) Name (Authorized Representative)	(T)
	CERTIFICATE OF FIELD ASSEMBLY COMP.	DIANCE
We certify that the field assembly of the	described piping conforms with the requiremen	nts of Section I of the ASME BOILER AND PRESSI the (A), (S), or (PP) Designator expires
Date Signed	(Authorized Representative) Name	e(Assembler)
l, the undersigned, holding a valid com	© CERTIFICATE OF FIELD ASSEMBLY INSPE mission issued by the National Board of Boile	ECTION er and Pressure Vessel Inspectors and employed
Items	, not included in the Certificate of Shop In ufacturer and/or assembler has constructed and a	d piping and state that the parts referred to as D repection, have been inspected by me and that, to assembled this piping in accordance with the application great was inspected and subjected to a hydrostatic to
this Manufacturer's Data Report. Furthern		pressed or implied, concerning the piping describe nall be liable in any manner for any personal injur

___ Commission ____

(07/17)

ASME BPVC.I-2021

	II	P-4B MANUFACTUR NSTALLED MECHANIC red by the Provisions	CALLY ASSEMB		o of
Manufactured by			Name and address of mar	nufactureri	
Manufactured for			②		
				urchaser)	
Location of installation			3		
4. Identification		4		Pining Registration No.	4
				Piping Registration No	
Shop Order No	4 b	Purchaser's Order No.	(4e)	Boiler Registration No.	(9)
	(E)			(6)	
Design Conditions of Pipin	(Pressure)	(Temperature) - Sp	ecified by	(Name of Co.)	
				Code Design by	0
	n conforms to 5	Section I of the ASME BOI	LER AND PRESSUR	rial specifications of the ASME RE VESSEL CODE	BOILER AND PRESSUR
	(Date)	(if ap	plicable), and Code	Cases	(Year)
7. Description of Piping (incl	(Liane)			(Number	2)
r. Description of Figing (inci	ude material ide	entifications by ASME speci	nication of other rec	cognized Code designation)	
			<u> </u>		
-					
	(9)				
	9	① CERTIFICATE OF FIEL	LD ASSEMBLY CON	APLIANCE	
	sembly of the d	(1) CERTIFICATE OF FIEL	with the requirem	APLIANCE ents of Section I of the ASME E	
We certify that the field ass VESSEL CODE. Our Certification We certify that the field ass WESSEL CODE. Our Certification	sembly of the d	(f) CERTIFICATE OF FIEL described piping conforms tion No.	with the requirem to use the (A	ents of Section I of the ASME E A), (S), or (PP) Designator expires	1 10
We certify that the field ass VESSEL CODE. Our Certification We certify that the field ass WESSEL CODE. Our Certification	sembly of the d	(1) CERTIFICATE OF FIEL described piping conforms tion No. (2)	with the requirem to use the (A	ents of Section I of the ASME E A), (S), or (PP) Designator expires	
9. Remarks We certify that the field ass VESSEL CODE. Our Certifica	sembly of the d	(f) CERTIFICATE OF FIEL described piping conforms tion No.	with the requirem to use the (A	ents of Section I of the ASME E A), (S), or (PP) Designator expires Name	1 10
9. Remarks	sembly of the distered for the distered for the seminary of th	© CERTIFICATE OF FIEL lescribed piping conforms tion No. (Authorized Represe © CERTIFICATE OF FIE	to use the (A	ents of Section I of the ASME E J, (SI, or (PP) Designator expires Name (Acss PECTION	ambler)
2. Remarks We certify that the field ass VESSEL CODE. Our Certification Date (1) the undersigned, holding in this Manufacturer's Data inspected by me and that, this with the applicable section	sembly of the d te of Authorizat Signed g a valid comm Report with the	CERTIFICATE OF FIEle lescribed piping conforms tion No. (Authorized Represe lescribed piping and state described piping	with the requirem to use the (# LD ASSEMBLY INSional Board of Boile that the parts reference manufacturer and	ents of Section I of the ASME E \(\lambda\), (S), or (PP) Designator expires Name (Assi	intors and employed by impared the statements (2) have been his piping in accordance
Date I, the undersigned, holdin in this Manufacturer's Data inspected by me and that, the with the applicable section test of By signing this certificate, n	sembly of the date of Authorizar Signed g a valid comm Report with the to the best of me s of the ASME	CERTIFICATE OF FIEL Meathorized Represe CERTIFICATE OF FIE CERTIFICATE OF FIE Meathorized Represe CERTIFICATE OF FIE Meaching and state described piping and state vinowledge and belief, the SOLICE AND PRESSURE SOLICE AND PRESSURE SOLICE AND PRESSURE	with the requirem to use the (# **DEASSEMBLY INS** **LD ASSEMBLY INS** **LONG IN THE PARTS REFERENCE TO THE PAR	ents of Section I of the ASME E \(\begin{align*} \)\ \(\modersigned{\text{N}}\), \(\modersigned{\text{or}}\), \(\modersigned{\text{Ord}}\) \(\modersigned{\text{Ord}}\) PECTION (Ass PECTION (Ass PETION (Ass PETION	ctors and employed by ompared the statements (9) have been size pingle in accordance ted and subjected to a githe piping described in
Date It has undersigned, holding inspected by me and that, with the applicable section test of the section of the section of the section test of	sembly of the date of Authorizat Signed g a valid comm Report with the to the best of m s of the ASME either the Inspe	CERTIFICATE OF FIEle lescribed piping conforms ton No. (Multiproad Repress (Multiproad R	with the requirem to use the (A ASSEMBLY INS fional Board of Boi that the parts refe e manufacturer and VESSEL CODE. TI tes any warranty, e nor his employer s	ents of Section I of the ASME E A), (SI, or (PP) Designator expires Name (Ass PECTION Relief and Pressure Vessel Inspection have countried to as Data Rems dior assembler has assembled the described ping was inspect	ctors and employed by ompared the statements (9) have been size pingle in accordance ted and subjected to a githe piping described in
Date It has undersigned, holding inspected by me and that, with the applicable section test of the section of the section of the section test of	sembly of the date of Authorizat Signed g a valid comm Report with the to the best of m s of the ASME either the Inspe	CERTIFICATE OF FIEle lescribed piping conforms ton No. (Multiproad Repress (Multiproad R	with the requirem to use the (A ASSEMBLY INS fional Board of Boi that the parts refe e manufacturer and VESSEL CODE. TI tes any warranty, e nor his employer s	ents of Section I of the ASME E A), (SI, or (PP) Designator expires Name (Ass PECTION Relief and Pressure Vessel Inspection have countried to as Data Rems dior assembler has assembled the described ping was inspect	ctors and employed by ompared the statements (9) have been size pingle in accordance ted and subjected to a githe piping described in
9. Remarks We certify that the field ass VESSEL CODE. Our Certificat Date 1, the undersigned, holdin in this Manufacturer's Data inspected by me and that, th with the applicable section test of 9. Signing this certificate, n	sembly of the dite of Authorizar Signed Signed g a valid comm Report with the to the best of m s of the ASME the return of any kind arisi	CERTIFICATE OF FIEle lescribed piping conforms ton No. (Multiproad Repress (Multiproad R	with the requirem to use the (A LD ASSEMBLY INS ional Board of Boi that the parts refe e manufacturer an VESSEL CODE. TI come in the parts of the come in the co	ents of Section I of the ASME E A), (SI, or (PP) Designator expires Name (Ass PECTION Relief and Pressure Vessel Inspection have countried to as Data Rems dior assembler has assembled the described ping was inspect	ctors and employed by ompared the statements (b) have been his piping in account teted and subjected to a the piping described in any personal injury or

ASME BPVC.I-2021

Table A-354.2 Guide for Completing Manufacturer's Data Report, Form P-4B (See PG-112.2.5)

Reference to Circled Numbers in	
the Form	Description
(1)	Name and address of manufacturer or fabricator of Code piping.
(2)	Name and address of purchaser and/or owner.
(3)	Name and address of location where piping is to be installed, if known.
(4)	Identify each section of piping (e.g., main steam, blow-off, boiler feed), including the section's identification

- (4b) The shop's identifying order or tracking number.
- (4c) The Purchaser's identifying order number.
- (4d) Include the registration number of the boiler where the piping is to be installed, if known (e.g., National Board No., Canadian Design Registration No., or other jurisdictionally required registration numbers).

(4a) Include the piping registration number, if assigned (e.g., National Board No., Canadian Design Registration No., or other jurisdictionally required registration numbers).

- (5) Show the maximum design pressure and temperature of the section of pipe (see ASME B31.1).
- (6) Name of the organization that established the design pressure and temperature.
- (7) The organization that made the calculations and selected the pipe schedules for the working conditions
- (8) Refer to the requirements of ASME B31.1.
- (9) Describe each section of piping, size, thickness, schedule, etc. Show the complete ASME Material Specification No. and Grade as listed in the appropriate stress allowance table in the Appendix of Section I (e.g., "SA-106"). Exception: A specification maybe for a material not identical to an ASME Specification maybe shown only if such material meets the criteria in the Foreword of this Section. When material is accepted through a Code Case, the applicable Case number shall be shown.
- (10) Piping fabricated in field show test pressure of hydro-applied in the field (see PG-99) and witnessed by Authorized Inspector.
- (11) Signed by an authorized representative of the organization responsible for the field assembly and hydrostatic test.
- (12) Show ASME authorization number, kind of Designator, and date of expiration.
- (13) This certificate to be completed by the Authorized Inspection Agency representative who performs the field assembly inspection.
- (14) Only list those piping sections inspected in the field.
- (15) Show test pressure used during field hydrostatic test (see PG-99) and witnessed by the Authorized Inspector.
- (16) The Inspector's National Board Authorized Inspector Commission Number must be shown.
- (17) The Certificate Holder shall assign a unique identifying number for this Form. To be shown on all pages of Form P-4B.

ITEM 22-1631

ASME BPVC.I-2021

	M P-4B MANUFACTUR INSTALLED MECHANIC uired by the Provisions	ALLY ASSEMB		oof
Manufactured by		1		
Manufactured for		ame and address of man (2) (Name and address of pu		
Location of installation		3		
4. Identification(Main steam, boi	(4) fer feed, blow-off, or other service piping	— state which)	Piping Registration No	<u>(a)</u>
Shop Order No	Purchaser's Order No.	@	Boiler Registration No	4 d
Design Conditions of Piping(5) (Pressure)	(5) Spo	ecified by		
The chemical and physical properties VESSEL CODE. The design conforms to				
Addenda to(Date)	(if app	licable), and Code	Cases(Numbers	(Year)
7. Description of Piping (include material		or other rec	ognized Code designation)	
8. Field Hydrostatic Test				
	(1) CERTIFICATE OF FIELD	D ASSEMBLY COM	IPLIANCE	
We certify that the field assembly of the VESSEL CODE. Our Certificate of Author				
Date Signed	(Authorized Represen	tativo)	Name — (Assa	mbler)
	(3) CERTIFICATE OF FIEL	D ASSEMBLY INS	PECTION	
I, the undersigned, holding a valid cor in this Manufacturer's Data Report with inspected by me and that, to the best of with the applicable sections of the ASI test of By Sy signing this certificate, neither the Im this Manufacturer's Data Report. Furthe property damage or a loss of any kind at Date	he described piping and state my knowledge and belief, the ME BOILER AND PRESSURE spector nor his employer mak more, neither the Inspector r	that the parts refer manufacturer and VESSEL CODE. The es any warranty, ex nor his employer s	have co rred to as Data Items d/or assembler has assembled the described piping was inspec expressed or implied, concerning	mpared the statements have been a spiping in accordance ted and subjected to a the piping described in
	Commission		(%)	
(Authorized Inspector)		[Natio	nal Board Authorized Inspector Commission	n Number]