

ASME BPVC-I-2021

FORM P-4 MANUFACTURER'S PARTIAL DATA REPORT P-4 ID No. _____
As Required by the Provisions of the ASME Code Rules, Section I Page ____ of ____

1. Manufactured by _____
 (Name and address of manufacturer)

2. Manufactured for _____
 (Name and address of purchaser)

3. Identification of Part(s) (a)

Name of Part (a)	Quantity (a)	Line No. (a)	MFR's Identifying Numbers (a)	Manufacturer's Drawing No. (a)	CRN (a)	National Board No. (a)	Year Built (a)

4. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design as indicated on line 14, Remarks conforms to ASME Rules, Section I of ASME BOILER AND PRESSURE VESSEL CODE.

(b) Addenda _____ (if applicable), and Code Cases _____

6(a). Drums

No.	Inside Diameter	Inside Length	Shell Plates			Tubesheets		Tube Hole Ligament Efficiency, %	
			Material Spec. No., Grade (a)	Thickness (a)	Inside Radius (a)	Thickness (a)	Inside Radius (a)	Longitudinal (a)	Circumferential (a)
1									
2									
3									
4									

No.	Longitudinal Joints		Circum. Joints		Heads				Hydrostatic Test (a)
	No. & Type*	Efficiency	No. & Type	Efficiency	Material Spec. No., Grade (a)	Thickness (a)	Type**	Radius of Dish (a)	
1									
2									
3									
4									

*Indicate if (1) Staggered; (2) Fusion welded. **Indicate if (1) Flat; (2) Dish; (3) Ellipsoidal; (4) Hemispherical.

6(b). Boiler Tubes

Diameter (a)	Thickness (a)	Material Spec. No., Grade (a)

6(c). Headers No. _____ or _____
 (Box or shape or none) Material spec. no.: _____
 Heads or Ends _____ Hydro. Test _____
 (Shape Material spec. no.: _____)

6(d). Staybolts _____
 Material spec. no.: _____ Diameter Size Tolerance Not used
 Pitch _____ Net Area _____ (Supported by one bolt) MAWP _____
 (Horizontal and vertical)

6(e). Mud Drum _____
 (Box or shape, header bottom, plate Size Shape Mat'l spec. no.: _____) Heads or Ends _____
 (Shape Material spec. no.: _____) Hydro Test, psi _____

7(a). Waterwall Headers

No.	Size and Shape (a) (a)	Material Spec. No. (a)	Thickness (a)	Shape (a)	Thickness (a)	Material Spec. No. (a)	Hydro. Test (a)	Diameter (a)	Thickness (a)	Material Spec. No. (a)

7(b). Waterwall Tubes

No.	Size and Shape (a) (a)	Material Spec. No. (a)	Thickness (a)	Shape (a)	Thickness (a)	Material Spec. No. (a)	Hydro. Test (a)	Diameter (a)	Thickness (a)	Material Spec. No. (a)

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8(a). Economizer Headers

No.	Size and Shape (a) (a)	Material Spec. No. (a)	Thickness (a) or (a)	Shape (a)	Thickness (a)	Material Spec. No. (a)	Hydro. Test (a)	Diameter (a)	Thickness (a)	Material Spec. No. (a)

8(b). Economizer Tubes

No.	Size and Shape (a) (a)	Material Spec. No. (a)	Thickness (a)	Shape (a)	Thickness (a)	Material Spec. No. (a)	Hydro. Test (a)	Diameter (a)	Thickness (a)	Material Spec. No. (a)

9(a). Superheater Headers

No.	Size and Shape (a) (a)	Material Spec. No. (a)	Thickness (a) or (a)	Shape (a)	Thickness (a)	Material Spec. No. (a)	Hydro. Test (a)	Diameter (a)	Thickness (a)	Material Spec. No. (a)

9(b). Superheater Tubes

No.	Size and Shape (a) (a)	Material Spec. No. (a)	Thickness (a)	Shape (a)	Thickness (a)	Material Spec. No. (a)	Hydro. Test (a)	Diameter (a)	Thickness (a)	Material Spec. No. (a)

10(a). Other Parts (1) _____ (2) _____ (3) _____

No.	Size and Shape (a) (a)	Material Spec. No. (a)	Thickness (a)	Shape (a)	Thickness (a)	Material Spec. No. (a)	Hydro. Test (a)	Diameter (a)	Thickness (a)	Material Spec. No. (a)
1										
2										
3										

10(b). Tubes for Other Parts

No.	Size and Shape (a) (a)	Material Spec. No. (a)	Thickness (a)	Shape (a)	Thickness (a)	Material Spec. No. (a)	Hydro. Test (a)	Diameter (a)	Thickness (a)	Material Spec. No. (a)

11. Openings (1) Steam _____ (2) Pressure Relief Valve _____
 (No., size, and type of nozzles or outlets) (No., size, and type of nozzles or outlets)
 (3) Blowoff _____ (4) Feed _____
 (No., size, and type of nozzles or outlets) (No., size, type, and location of connections)

12.

	Maximum Allowable Working Pressure (a)	Code Para. and/or Formula on Which MAWP is Based (a)	Hydro. Test (a)	Heating Surface (a)
a. Boiler				
b. Waterwall				
c. Economizer				
d. Superheater				
e. Other Parts				

(This heating surface to be stamped on drum heads.)
 (This heating surface not to be used for determining minimum pressure relief valve capacity.)

14. Remarks _____

CERTIFICATE OF COMPLIANCE

We certify the statements made in this Manufacturer's Partial Data Report to be correct and that all details of design (as indicated on line 14, Remarks), material, construction, and workmanship of this boiler part conform to Section I of the ASME BOILER AND PRESSURE VESSEL CODE.

Our Certificate of Authorization No. _____ to use the (IP), (PRT), or (S) _____ Designator expires _____.

Date _____ Signed _____ Name _____
 (Authorized Representative) (Manufacturer)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by _____

_____ have inspected the part of the boiler described in this Manufacturer's Partial Data Report on _____, and state that, to the best of my knowledge and belief, the Manufacturer has constructed this part 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 part described in this Manufacturer's Partial 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 _____ Signed _____ Commission _____
 (Authorized Inspector) (National Board Authorized Inspector Commission Number)

This page is for information only

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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 (e.g., "SA-285-B1"). <i>Exception:</i> 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 is 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 certificate 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 responsibility 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.

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FORM P-4A MANUFACTURER'S DATA REPORT
FOR FABRICATED PIPING
As Required by the Provisions of the ASME Code Rules, Section I

P-4A ID No. _____

Page _____ of _____

1. Manufactured by _____
 (Name and address of manufacturer)

2. Manufactured for _____
 (Name and address of purchaser)

3. Location of installation _____

4. Identification _____ Piping Registration No. _____
 (Main steam, boiler feed, blow-off, or other service piping — state which)

Shop Order No. _____ Purchaser's Order No. _____ Boiler Registration No. _____

5. Design Conditions of Piping _____
 (Pressure) (Temperature) Specified by _____
 (Name of Co.)

Code Design by _____

6. 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 _____
 (Year)

Addenda to _____ (if applicable), and Code Cases _____
 (Date) (Numbers)

7. Description of Piping (include material identifications by ASME specification or other recognized Code designation)

8. Shop Hydrostatic Test _____

9. Remarks _____

CERTIFICATE OF SHOP COMPLIANCE

We certify the statement in this data report to be correct and that all details of design, material, construction, and workmanship of the described piping conform to Section I of the ASME BOILER AND PRESSURE VESSEL CODE.

Our Certificate of Authorization No. _____ to use the (SI or (PI) Designator _____ Expires _____

Date _____ Signed _____ by _____
 (Manufacturer or Fabricator) (Authorized Representative)

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 _____, 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 _____

_____ Commission _____
 (Authorized Inspector) (National Board Authorized Inspector Commission Number)

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FORM P-4A MANUFACTURER'S DATA REPORT
FOR FABRICATED PIPING
As Required by the Provisions of the ASME Code Rules, Section I

P-4A ID No. _____

Page _____ of _____

1. Manufactured by _____
 (Name and address of manufacturer)

2. Manufactured for _____
 (Name and address of purchaser)

3. Location of installation _____

4. Identification _____ Piping Registration No. _____
 (Main steam, boiler feed, blow-off, or other service piping — state which)

Shop Order No. _____ Purchaser's Order No. _____ Boiler Registration No. _____

5. Design Conditions of Piping _____
 (Pressure) (Temperature) Specified by _____
 (Name of Co.)

Code Design by _____

6. 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 _____
 (Year)

Addenda to _____ (if applicable), and Code Cases _____
 (Date) (Numbers)

7. Description of Piping (include material identifications by ASME specification or other recognized Code designation)

8. Shop Hydrostatic Test _____

9. Remarks _____

CERTIFICATE OF SHOP COMPLIANCE

We certify the statement in this data report to be correct and that all details of design, material, construction, and workmanship of the described piping conform to Section I of the ASME BOILER AND PRESSURE VESSEL CODE.

Our Certificate of Authorization No. _____ to use the (SI or (PI) Designator _____ Expires _____

Date _____ Signed _____ by _____
 (Manufacturer or Fabricator) (Authorized Representative)

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 _____, 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 _____

_____ Commission _____
 (Authorized Inspector) (National Board Authorized Inspector Commission Number)

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FORM P-4A P-4A ID No. _____ (1)

Manufactured by _____ (1) Page _____ of _____

10. Description of Field Fabrication _____ (10)

11. Field Hydrostatic Test _____ (11)

(1) **CERTIFICATE OF FIELD FABRICATION COMPLIANCE**

We certify the statement in this data report to be correct and that all details of design, material, construction, and workmanship of the described piping conform to Section I of the ASME BOILER AND PRESSURE VESSEL CODE. Our Certificate of Authorization No. _____ (12) to use the (S) or (PP) Designator expires _____ (13).

Date _____ (14) Signed _____ (15) (Authorized Representative) Name _____ (16) (Fabricator)

(1) **CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE**

We certify that the field assembly of the described piping conforms with the requirements of Section I of the ASME BOILER AND PRESSURE VESSEL CODE. Our Certificate of Authorization No. _____ (12) to use the (A), (S), or (PP) Designator expires _____ (13).

Date _____ (14) Signed _____ (15) (Authorized Representative) Name _____ (16) (Assembler)

(1) **CERTIFICATE OF FIELD ASSEMBLY INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by _____ (17), have compared the statements in this Manufacturer's Data Report with the described piping and state that the parts referred to as Data Items _____ (18), not included in the Certificate of Shop Inspection, have been inspected by me and that, to the best of my knowledge and belief, the manufacturer and/or assembler has constructed and assembled this piping in accordance with the applicable sections of the ASME BOILER AND PRESSURE VESSEL CODE. The described piping was inspected and subjected to a hydrostatic test of _____ (19).

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 _____ (20)

(Authorized Inspector) Commission _____ (21) (National Board Authorized Inspector Commission Number)

(07/17)

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 I (e.g., "SA-106"). 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 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.

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FORM P-4A P-4A ID No. _____ (1)

Manufactured by _____ (1) Page _____ of _____

10. Description of Field Fabrication _____ (10)

11. Field Hydrostatic Test _____ (11)

(1) **CERTIFICATE OF FIELD FABRICATION COMPLIANCE**

We certify the statement in this data report to be correct and that all details of design, material, construction, and workmanship of the described piping conform to Section I of the ASME BOILER AND PRESSURE VESSEL CODE. Our Certificate of Authorization No. _____ (12) to use the (S) or (PP) Designator expires _____ (13).

Date _____ (14) Signed _____ (15) (Authorized Representative) Name _____ (16) (Fabricator)

(1) **CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE**

We certify that the field assembly of the described piping conforms with the requirements of Section I of the ASME BOILER AND PRESSURE VESSEL CODE. Our Certificate of Authorization No. _____ (12) to use the (A), (S), or (PP) Designator expires _____ (13).

Date _____ (14) Signed _____ (15) (Authorized Representative) Name _____ (16) (Assembler)

(1) **CERTIFICATE OF FIELD ASSEMBLY INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by _____ (17), have compared the statements in this Manufacturer's Data Report with the described piping and state that the parts referred to as Data Items _____ (18), not included in the Certificate of Shop Inspection, have been inspected by me and that, to the best of my knowledge and belief, the manufacturer and/or assembler has constructed and assembled this piping in accordance with the applicable sections of the ASME BOILER AND PRESSURE VESSEL CODE. The described piping was inspected and subjected to a hydrostatic test of _____ (19).

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 _____ (20)

(Authorized Inspector) Commission _____ (21) (National Board Authorized Inspector Commission Number)

(07/17)

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FORM P-4B MANUFACTURER'S DATA REPORT FOR FIELD INSTALLED MECHANICALLY ASSEMBLED PIPING P-4B ID No. _____
As Required by the Provisions of the ASME Code Rules, Section I Page _____ of _____

1. Manufactured by _____
(Name and address of manufacturer)

2. Manufactured for _____
(Name and address of purchaser)

3. Location of installation _____

4. Identification _____ Piping Registration No. _____
(Main steam, boiler feed, blow-off, or other service piping — state which)

Shop Order No. _____ Purchaser's Order No. _____ Boiler Registration No. _____

5. Design Conditions of Piping _____ Specified by _____
(Pressure) (Temperature) (Name of Co.)
Code Design by _____

6. 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. Addenda to _____ (if applicable), and Code Cases _____ (Year) (Numbers)

7. Description of Piping (include material identifications by ASME specification or other recognized Code designation)

8. Field Hydrostatic Test _____

9. Remarks _____

11 CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE

We certify that the field assembly of the described piping conforms with the requirements of Section I of the ASME BOILER AND PRESSURE VESSEL CODE. Our Certificate of Authorization No. _____ to use the (A), (S), or (PP) Designator expires _____.

Date _____ Signed _____ Name _____
(Authorized Representative) (Assembler)

12 CERTIFICATE OF FIELD ASSEMBLY INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by _____, have compared the statements in this Manufacturer's Data Report with the described piping and state that the parts referred to as Data Items _____ have been inspected by me and that, to the best of my knowledge and belief, the manufacturer and/or assembler has assembled this piping in accordance with the applicable sections of the ASME BOILER AND PRESSURE VESSEL CODE. The described piping was inspected and subjected to a test of _____.

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 _____

(Authorized Inspector) Commission _____
(National Board Authorized Inspector Commission Number)

(07/17)

ASME BPVC.I-2021

FORM P-4B MANUFACTURER'S DATA REPORT FOR FIELD INSTALLED MECHANICALLY ASSEMBLED PIPING P-4B ID No. _____
As Required by the Provisions of the ASME Code Rules, Section I Page _____ of _____

1. Manufactured by _____
(Name and address of manufacturer)

2. Manufactured for _____
(Name and address of purchaser)

3. Location of installation _____

4. Identification _____ Piping Registration No. _____
(Main steam, boiler feed, blow-off, or other service piping — state which)

Shop Order No. _____ Purchaser's Order No. _____ Boiler Registration No. _____

5. Design Conditions of Piping _____ Specified by _____
(Pressure) (Temperature) (Name of Co.)
Code Design by _____

6. 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. Addenda to _____ (if applicable), and Code Cases _____ (Year) (Numbers)

7. Description of Piping (include material identifications by ASME specification or other recognized Code designation)

8. Field Hydrostatic Test _____

9. Remarks _____

11 CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE

We certify that the field assembly of the described piping conforms with the requirements of Section I of the ASME BOILER AND PRESSURE VESSEL CODE. Our Certificate of Authorization No. _____ to use the (A), (S), or (PP) Designator expires _____.

Date _____ Signed _____ Name _____
(Authorized Representative) (Assembler)

12 CERTIFICATE OF FIELD ASSEMBLY INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by _____, have compared the statements in this Manufacturer's Data Report with the described piping and state that the parts referred to as Data Items _____ have been inspected by me and that, to the best of my knowledge and belief, the manufacturer and/or assembler has assembled this piping in accordance with the applicable sections of the ASME BOILER AND PRESSURE VESSEL CODE. The described piping was inspected and subjected to a test of _____.

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 _____

(Authorized Inspector) Commission _____
(National Board Authorized Inspector Commission Number)

(07/17)

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 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 I (e.g., "SA-106"). 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 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.