

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

1. Manufactured by _____, P-4 ID No. _____
(Name and address of manufacturer)

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

3. Identification of Part(s)

| Name of Part | Quantity | Line No. | Mfr's. Identifying Numbers | Manufacturer's Drawing No. | CRN | National Board No. | Year Built |
|--------------|----------|----------|----------------------------|----------------------------|-----|--------------------|------------|
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

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), construction, and workmanship conform to ASME Rules, Section I of ASME BOILER AND PRESSURE VESSEL CODE.

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

6(a). Drums

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

| No. | Longitudinal Joints | | Circum. Joints | | Heads | | | | | Hydrostatic Test |
|-----|---------------------|------------|----------------|------------|---------------------------|-----------|--------|----------------|-------------------|------------------|
| | No. & Type* | Efficiency | No. & Type | Efficiency | Material Spec. No., Grade | Thickness | Type** | Radius of Dish | Manholes No. Size | |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |

*Indicate if (1) Seamless; (2) Fusion welded.

**Indicate if (1) Flat; (2) Dished; (3) Ellipsoidal; (4) Hemispherical.

6(b). Boiler Tubes

| Diameter | Thickness | Material Spec. No., Grade |
|----------|-----------|---------------------------|
| | | |
| | | |
| | | |
| | | |

6(c). Headers No. _____
(Box or sinuous or round; Material spec. no.; Thickness)

Heads or Ends _____ Hydro. Test _____
(Shape; Material spec. no.; Thickness)

6(d). Staybolts _____
(Material spec. no.; Diameter; Size telltale; Net area)

Pitch _____ Net Area _____ MAWP _____
(Horizontal and vertical) (Supported by one bolt)

6(e). Mud Drum _____ Heads or Ends _____ Hydro Test, psi _____
(For sect. header boilers, state: Size; Shape; Mat'l. spec. no.; Thickness) (Shape; Material spec. no.; Thickness)

7(a). Waterwall Headers

7(b). Waterwall Tubes

| No. | Size and Shape | Material Spec. No. | Thickness | Heads or Ends | | | Hydro. Test | Diameter | Thickness | Material Spec. No. |
|-----|----------------|--------------------|-----------|---------------|-----------|--------------------|-------------|----------|-----------|--------------------|
| | | | | Shape | Thickness | Material Spec. No. | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

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| 8(a). Economizer Headers | | | | Heads or Ends | | | 8(b). Economizer Tubes | | | |
|--------------------------|----------------|--------------------|-----------|---------------|-----------|--------------------|------------------------|----------|-----------|--------------------|
| No. | Size and Shape | Material Spec. No. | Thickness | Shape | Thickness | Material Spec. No. | Hydro. Test | Diameter | Thickness | Material Spec. No. |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| 9(a). Superheater Headers | | | | | | 9(b). Superheater Tubes | | | | |
|---------------------------|----------------|--------------------|-----------|-------|-----------|-------------------------|-------------|----------|-----------|--------------------|
| No. | Size and Shape | Material Spec. No. | Thickness | Shape | Thickness | Material Spec. No. | Hydro. Test | Diameter | Thickness | Material Spec. No. |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| 10(a). Other Parts (1) _____ (2) _____ (3) _____ | | | | | | 10(b). Tubes for Other Parts | | | | |
|--|----------------|--------------------|-----------|-------|-----------|------------------------------|-------------|----------|-----------|--------------------|
| No. | Size and Shape | Material Spec. No. | Thickness | Shape | Thickness | Material Spec. No. | Hydro. Test | Diameter | Thickness | Material Spec. No. |
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | | | | | | | | | |

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

| 12. | | Maximum Allowable Working Pressure | Code Para. and/or Formula on Which MAWP Is Based | Hydro. Test | Heating Surface |
|-----|-------------|------------------------------------|--|-------------|---|
| a | Boiler | | | | } Heating surface to be stamped on drum heads. |
| b | Waterwall | | | | |
| c | Economizer | | | | } This heating surface not to be used for determining minimum pressure relief valve capacity. |
| d | Superheater | | | | |
| e | Other Parts | | | | |

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 (PP) or (S) _____ Designator expires _____.

Date _____ Signed _____ (Authorized Representative) Name _____ (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 _____ (Authorized Inspector) Commission _____ [National Board Commission Number and Endorsement]