|  |  |  |  |
| --- | --- | --- | --- |
| Mfr. Representative: |       | Date: |       |
| Authorized Inspector: |       | Date: |       |
|  |
| **FORM P-3 MANUFACTURER´S DATA REPORT FOR WATERTUBE BOILERS, SUPERHEATERS,** |
| **WATERWALLS, AND ECONOMIZERS** |
| **As Required by the Provisions of the ASME Code Rules, Section I** |
|  | **MASTER DATA REPORT** | **YES** |  | **🞎** |  |
|  | **(Check one)** | **NO** |  | **🞎** | Page: |       | of |       |
|  |  |  |  |  |  |  |  |  |
|  |
| 1. Manufactured by
 |       |
|  | (Name and address of manufacturer) |
| 1. Manufactured for
 |       |
|  | (Name and address of purchaser) |
| 1. Location of installation
 |       |
|  | (Name and address) |
| 1. Unit identification
 |       | ID-Nos. |       |  |       |  |       |  |       |  |       |
|  | (Complete boiler, superheater, waterwall, economizer, etc.) |  | (Manufacturer’s Serial No.) | (CRN) | (Drawing No.) | (Nat’l Board No.) | (Year built) |
|  |
| 1. The chemical and physical properties of all parts 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) |  |
| Supporting Manufacturer’s Data Reports properly identified and signed by Commissioned Inspectors are attached for the following items of this report: |
|  |       |
|  | (Name of part, item number, manufacturer`s name, and identifying Designator) |
|  |       |
|  |  |       |
| 6(a). Drums |
|

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | Inside Diameter | Inside Length | Shell Plates | Tubesheets | Tube Hole LigamentEfficiency, % |
| Material Spec. No., Grade | Thickness | Inside Radius | Thickness | Inside Radius | Longitu-dinal | Circum-ferential |
| 1 |       |       |       |       |       |       |       |       |       |
| 2 |       |       |       |       |       |       |       |       |       |
| 3 |       |       |       |       |       |       |       |       |       |

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|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No. | LongitudinalJoints | Circum.Joints | Heads | Hydro-staticTest |
| No. &Type\* | Effi-ciency | No. &type | Effi-ciency | Material Spec. No., Grade | Thickness | Type\*\* | Radiusof Dish | Manholes No. Size |
| 1 |       |       |       |       |       |       |       |       |       |       |       |
| 2 |       |       |       |       |       |       |       |       |       |       |       |
| 3 |       |       |       |       |       |       |       |       |       |       |       |

 |
| \*Indicate if (1) Seamless; (2) Fusion welded. | \*\*Indicate if (1) Flat; (2) Dished; (3) Ellipsoidal; (4) Hemispherical. |
| 6(b). Boiler Tubes |  | 6(c). | Headers No. |       | or |       |
|

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

  |  |  |  | (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 |       | or |       | Heads or Ends |       | Hydro test |       |
|  | (For sect. header boilers. State Size; Shape; Material spec. no.; Thickness) |  | (Shape; Material spec. no.; Thickness) |  |  |
|  |
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|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 7(a). Waterwall Headers | Heads or Ends |  | 7(b). Waterwall Tubes |  |
| No. | Size and Shape | MaterialSpec. No. | Thickness | Shape | Thickness | MaterialSpec. No. | Hydro.Test | Diameter | Thickness | MaterialSpec.No. |
|       |       |       |       |       |       |       |       |       |       |       |
|       |       |       |       |       |       |       |       |       |       |       |
|       |       |       |       |       |       |       |       |       |       |       |

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| --- | --- | --- | --- | --- |
| 8(a). Economizer Headers |  |  | 8(b). Economizer Tubes |  |
|       |       |       |       |       |       |       |       |       |       |       |
|       |       |       |       |       |       |       |       |       |       |       |

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| (07/17) |
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| --- | --- | --- | --- |
| Mfr. Representative: |       | Date: |       |
| Authorized Inspector: |       | Date: |       |
|  |
| **FORM P-3** |
|  |
| Manufactured by |       |  | Page: |       | of |       |
| Mfr’s Serial No. |       | CRN |       | National Board No. |       |
|  |  |  |  |  |  |
|  |
|

|  |  |  |
| --- | --- | --- |
| 9(a). Superheater Headers | Heads or Ends | 9(b). Superheater Tubes |
| No. | Size and Shape | Material Spec. No. | Thickness | Shape | Thickness | Material Spec. No. | Hydr.Test | Diameter | Thickness | Material Spec. No. |
|       |       |       |       |       |       |       |       |       |       |       |
|       |       |       |       |       |       |       |       |       |       |       |
|       |       |       |       |       |       |       |       |       |       |       |
|  |
| 10(a). Other Parts (1) |       | (2) |       | (3) |       |  | 10(b). Tubes for Other Parts |
|  |  |  |  |  |  |  |  |
| 1 |       |       |       |       |       |       |       |       |       |       |
| 2 |       |       |       |       |       |       |       |       |       |       |
| 3 |       |       |       |       |       |       |       |       |       |       |

 |
|  |
| 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 AllowableWorking Pressure | Code Par. and/orFormula on WhichMAWP Is Based | Shop Hydro. Test | Heating Surface |
| a | Boiler |       |       |       |       |       |
| b | Waterwall |       |       |       |       |       |
| c | Economizer |       |       |       |       |       |
| d | Superheater |       |       |       |       |       |
| e | Other Parts |       |       |       |       |       |

 |  Heating surface to be stamped on drum heads.This heating surface notto be used for determiningminimum pressure reliefvalve capacity. |  |

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| 13. Field HydroTest |
|       |
|       |
|       |
|       |
|       |

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|  |
| 14. | Maximum Designed Steaming Capacity |       |  |
| 15. | Remarks |       |
|  |  |       |
|  |  |       |
|  |
| **CERTIFICATE OF SHOP COMPLIANCE** |
| We certify the statements made in this data report are correct and that all details of design, material, construction, and workmanship of this boiler  |
| conform to Section I of the ASME BOILER AND PRESSURE VESSEL CODE. |
| Our Certificate of Authorization No. |       | to use the (S) |       | Designator expires |       | . |
|  |
| Date |       | Signed |       | Name |       |
|  |  |  | (Authorized Representative) |  | (Manufacturer) |
|  |
| **CERTIFICATE OF SHOP INSPECTION** |
| Boiler made by |       | at |       | . |
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by  |
|       |
|       | have inspected parts of this boiler referred to as data items |       |
|       | and have examined Supporting Manufacturer’s Data Reports for items  |       |
|       | and state that, to the best of my knowledge and belief, the Manufacturer |
| has constructed this boiler in accordance with Section I 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 boiler described in this |
| Manufacturer’s Data Report. Furhermore, 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] |
|  |
| **CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE** |
| We certify that the field assembly of all parts of this boiler conforms with the requirements of Section I of the ASME BOILER AND PRESSURE VESSEL |
| CODE. |
| Our Certificate of Authorization No. |       | to use the (A) or (S) |       | Designator expires |       | . |
| Date  |       | Signed |       | Name |       |
|  |  |  | (Authorized Representative) |  | (Assembler) |
|  |
| (07/17) |
| Mfr. Representative: |       | Date: |       |
| Authorized Inspector: |       | Date: |       |
|  |
| **FORM P-3** |
|  |
| Manufactured by |       |  | Page: |       | of |       |
| Mfr’s Serial No. |       | CRN |       | National Board No. |       |
|  |  |  |  |  |  |
|  |
| **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 statements in this Manufacturer’s Data Report with the described boiler and state that the parts referred to as data items |
|       | , not included in the Certificate Shop Inspection, have been inspected by me and that, to the best of my knowledge and |
| belief, the Manufacturer and/or the assembler has constructed and assembled this boiler in accordance with the applicable sections of the ASME  |
| BOILER AD PRESSURE VESSEL CODE. The described boiler was inspected and subjected to a hydrostatic test of |       | psi. |
| 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 of arising from or connected with this inspection.  |
|  |
| Date |       | Signed |       | Commission |       |
|  |  |  | (Authorized Inspector) |  | [National Board Commission Number and Endorsement] |
|  |
| (07/17) |  |

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