HG-531  STAMPING OF PARTS AND ACCESSORIES

(a) Parts of boilers for which Partial Data Reports are required by HG-520.2 shall be marked with the following:
   (1) the official Certification Mark shown in Figure HG-530.1 with the H designator above the word “Part”
   (2) the part manufacturer’s name
   (3) the part manufacturer’s serial number

(b) No part or accessory of a boiler may be marked with the Certification Mark shown in Figure HG-530.1 unless so specified in the Code. The markings “ASME” or “ASME standard” shall not be used.

(c) Manufacturers and assemblers of parts who do not perform or assume any design responsibility for the parts they manufacture shall identify on the Partial Data Report the organization responsible for the design of the part.
1. Manufactured and certified by ______________________  (name and address of manufacturer)  

2. Manufactured for ______________________  (name and address of purchaser)  

3. Location of installation ______________________  (name and address)  

4. Identification of part(s):  

<table>
<thead>
<tr>
<th>Name of Part</th>
<th>Line No.</th>
<th>Manufacturer's Serial No.</th>
<th>Manufacturer's Drawing No.</th>
<th>CRN</th>
<th>National Bd. No.</th>
<th>Year Built</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tr>
</tbody>
</table>

5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME Boiler and Pressure Vessel Code. The design, construction, and workmanship conform to ASME Code, Section IV, [addenda (as applicable) (date)] (Code Case no.) (year)  

6. (a) Drums:  

<table>
<thead>
<tr>
<th>No.</th>
<th>Inside Diameter</th>
<th>Inside Length</th>
<th>Shell Plates</th>
<th>Tube Sheets</th>
<th>Tube Hole Ligament Eff., %</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Material Spec. No. Grade</td>
<td>Thickness</td>
<td>Inside Radius</td>
</tr>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td>(1)</td>
<td>(2)</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

6. (b) Boiler tubes:  

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
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<tbody>
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<td></td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

6. (c) Headers no _ _ _  

<table>
<thead>
<tr>
<th>Heads or ends</th>
<th>Hydro test</th>
<th>(box or annular or round, material spec. no., thickness)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>_ _ _</td>
<td>(flat, dished, ellipsoidal, hemispherical)</td>
</tr>
</tbody>
</table>

6. (d) Staybolts  

<table>
<thead>
<tr>
<th>Pitch</th>
<th>Net area</th>
<th>Design pressure</th>
<th>(supported by one bolt)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>(shape, material spec. no., thickness)</td>
</tr>
</tbody>
</table>

6. (e) Mud drum  

<table>
<thead>
<tr>
<th>Heads or ends</th>
<th>Hydro test</th>
<th>(for sect. header boilers, static size, shape, material spec. no., thickness)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>_ _ _</td>
<td>(for and 4)</td>
</tr>
</tbody>
</table>

7. Waterwall headers:  

<table>
<thead>
<tr>
<th>Heads or Ends</th>
<th>Waterwall Tubes</th>
</tr>
</thead>
<tbody>
<tr>
<td>-----</td>
<td>----------------</td>
</tr>
<tr>
<td>1</td>
<td>_ _ _</td>
</tr>
<tr>
<td>2</td>
<td>_ _ _</td>
</tr>
<tr>
<td>3</td>
<td>_ _ _</td>
</tr>
</tbody>
</table>

8. (a) Other parts (1) _ _ _ (2) _ _ _ (3) _ _ _  

<table>
<thead>
<tr>
<th>_ _ _</th>
<th>_ _ _</th>
<th>_ _ _</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(07/17)
FORM H-4 (Back)

Manufactured by ____________________________

H-4 ID# ____________________________

9. Nozzles, inspection and safety valve openings:

<table>
<thead>
<tr>
<th>Purpose</th>
<th>No.</th>
<th>Diameter or Size</th>
<th>Type</th>
<th>How Attached</th>
<th>Material</th>
<th>Nom. Thickness</th>
<th>Reinforcement Material</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Handhole</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>NA</td>
<td>NA</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

10. MAWP Maximum Water Temp. Shop Hydro. Test Heating Surface

<table>
<thead>
<tr>
<th>Purpose</th>
<th>MAWP</th>
<th>Maximum Water Temp.</th>
<th>Shop Hydro. Test</th>
<th>Heating Surface</th>
</tr>
</thead>
<tbody>
<tr>
<td>a Boiler</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>b Waterwall</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>c Other parts</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

11. Field Hydro. Test

<table>
<thead>
<tr>
<th>Purpose</th>
<th>MAWP</th>
<th>Maximum Water Temp.</th>
<th>Shop Hydro. Test</th>
<th>Heating Surface</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

12. Remarks

_____________________________________________________________________

_____________________________________________________________________

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_____________________________________________________________________

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this partial data report are correct and that all details of design, material, construction, and workmanship of these parts conform to Section IV of the ASME BOILER AND PRESSURE VESSEL CODE.

“I” or “PRT” Certificate of Authorization no. ______ expires __________, __________.

Date ______ Signed ______ Name ______ (by representative) ______ (manufacturer that constructed and certified boiler)

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 part of a 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 Section IV 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)

(07/17)
FORM HLW-7 MANUFACTURER’S PARTIAL DATA REPORT FOR WATER HEATERS AND STORAGE TANKS

As Required by the Provisions of the ASME Code Rules (Attach to the Applicable Form HLW-6 Data Report)

<table>
<thead>
<tr>
<th>Page</th>
<th>of</th>
</tr>
</thead>
</table>

1. Manufactured and certified by ___________________________ HLW-7 ID# __________
   (name and address of manufacturer)

2. Manufactured for ___________________________
   (name and address of purchaser)

3. Identification of part(s):

<table>
<thead>
<tr>
<th>Name of Part</th>
<th>Line No.</th>
<th>Identifying No.</th>
<th>Manufacturer’s Drawing No.</th>
<th>Year Built</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

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 conforms to Part HLW, Section IV and Addenda (as applicable) to ____________________________

5. Shell
   - No. __________ (material spec., gr.)
   - Thickness __________
   - Lining __________
   - Diameter __________
   - Length (overall) __________

6. Joints
   - (long. (seamless, welded)) __________
   - Eff. (compared to seamless) __________
   - Girth (seamless, welded) __________
   - No. of shell courses __________

7. Heads
   - Location __________
   - Material Spec., Gr., Thickness __________
   - Crown Radius __________
   - Knuckle Radius __________
   - Elliptical Ratio __________
   - Flat Diameter __________
   - Side Pressure (concave, convex) __________

8. Tubesheet
   - Material spec., gr. __________
   - Tube holes __________

9. Tubes
   - No. __________
   - Size __________
   - Length __________
   - Material spec., gr. __________
   - Thickness __________

10. Connections:

<table>
<thead>
<tr>
<th>Purpose</th>
<th>No.</th>
<th>Size or Diameter</th>
<th>Material Spec., Gr.</th>
<th>Thickness</th>
<th>Reinforcement Material</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

11. MAWP __________
    - Max. input __________
    - Max. temp. __________
    - Hydrostatic test __________

12. Remarks
    ____________________________________________________________________________________________________________
    ____________________________________________________________________________________________________________
    ____________________________________________________________________________________________________________
    ____________________________________________________________________________________________________________
    ____________________________________________________________________________________________________________

(07/15)
FORM HLW-7 (Back)

CERTIFICATE OF SHOP COMPLIANCE

We certify the statements in this Manufacturer’s Partial Data Report to be correct and that all details of material, construction, and workmanship of this water heater or storage tank conform to Section IV of the ASME Boiler and Pressure Vessel Code.

Certificate of Authorization no. to use the Certification Mark with HLW designator expires .

Date Signed (manufacturer that constructed and certified parts) by (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/or the state or province of and employed by have inspected the part 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 Section IV 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)
HG-531 STAMPING OF PARTS AND ACCESSORIES

(a) Parts of boilers for which Partial Data Reports are required by HG-520.2 shall be marked with the following:
   (1) the official Certification Mark shown in Figure HG-530.1 with the H or PRT designator above the word “Part”
   (2) the part manufacturer’s name
   (3) the part manufacturer’s serial number

(b) No part or accessory of a boiler may be marked with the Certification Mark shown in Figure HG-530.1 unless so specified in the Code. The markings “ASME” or “ASME standard” shall not be used.

(c) Manufacturers and assemblers of parts who do not perform or assume any design responsibility for the parts they manufacture shall identify on the Partial Data Report the organization responsible for the design of the part.
FORM HLW-7 (Back)

Manufactured by __________________________

HLW-7 ID# __________________________

CERTIFICATE OF SHOP COMPLIANCE

We certify the statements in this Manufacturer’s Partial Data Report to be correct and that all details of material, construction, and workmanship of this water heater or storage tank conform to Section IV of the ASME BOILER AND PRESSURE VESSEL CODE.

Certificate of Authorization no. __________________________ to use the Certification Mark with “HLW” or “PRT” designator expires __________________________.

Date __________________________ Signed __________________________

[Manufacturer that constructed and certified part]

[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/or the state or province of __________________________ and employed by __________________________ have inspected the part 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 Section IV 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]