### Action: 20-192

Adoption of: ASTM A134/A134M ≠ ASME SA134/SA134

#### Recommended Subtitle for ASME Specification:

Identical. For products ordered to Section III, Division 1 of the ASME Boiler and Pressure Vessel Code, Supplementary Requirement S1 is mandatory.

#### Previous ASTM Version adopted by ASME:

-96(R12)

#### ASTM Revisions reviewed:

-18, -19

### Review Checklist

#### Part I – New Material Addition

<table>
<thead>
<tr>
<th>Question</th>
<th>YES</th>
<th>NO</th>
<th>NA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Has a new grade, type, or class of material(s) been added to the specification since the last ASME adoption?</td>
<td>✒️</td>
<td>☐</td>
<td>☐</td>
</tr>
</tbody>
</table>

| If a new grade, type, or class of material(s) has been added, then will the specification adoption result in the need for a revision to either an ASME BPV Code Volume or an ASME Code Case? | ☒️ | ☐ | ☐ |

#### Part II – A Change to an Existing Material

<table>
<thead>
<tr>
<th>Question</th>
<th>YES</th>
<th>NO</th>
<th>NA</th>
</tr>
</thead>
<tbody>
<tr>
<td>A mechanical property?</td>
<td>☐</td>
<td>☒️</td>
<td>☐</td>
</tr>
</tbody>
</table>

| A scope or thickness range?                                              | ☐   | ☒️ | ☐  |

| Any chemical requirements or physical properties?                       | ☒️ | ☐ | ☐ |

| A heat treatment temperature or range?                                  | ☒️ | ☐ | ☐ |

| If ANY of the above answers is YES, then does the material(s) with the changed property appear in either an ASME BPV Code Volume or an ASME Code Case? | ☒️ | ☐ | ☐ |

| If the material(s) with the changed property appears in an ASME BPV Code Volume(s)/Code Case(s), then will the adoption of this specification result in the need for the Volume/Code Case to be revised? | ☒️ | ☐ | ☐ |

#### Part III – Other Significant Changes / BPV II Table II-200

<table>
<thead>
<tr>
<th>Question</th>
<th>YES</th>
<th>NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Did other change(s) occur in the ASTM specification of which ASME BPV II needs to be aware?</td>
<td>☒️</td>
<td>☐</td>
</tr>
</tbody>
</table>

| Were any changes in the ASTM specification made as a result of an ASME request? | YES | NO |

| Addition of Supplementary Requirement S1                                | ☒️ | ☐ |
Has any change(s) been made to the ASTM specification that was not already identified in Parts I-II and which is objectionable to ASME?  

<table>
<thead>
<tr>
<th></th>
<th>YES</th>
<th>NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐</td>
<td>☒</td>
<td></td>
</tr>
</tbody>
</table>

Will any of the proposed changes make any grade, type, or class of material(s) obsolete?  

<table>
<thead>
<tr>
<th></th>
<th>YES</th>
<th>NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐</td>
<td>☒</td>
<td></td>
</tr>
</tbody>
</table>

With this adoption, does Mandatory Appendix II, Table II-200-1 need to restrict the usage of certain versions of this ASTM specification?  

<table>
<thead>
<tr>
<th></th>
<th>YES</th>
<th>NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐</td>
<td>☒</td>
<td></td>
</tr>
</tbody>
</table>

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**Part IV – Other ASTM Changes & Recommended ASME Corrections**

**Other Changes to the ASTM Specification**  
(since the last ASME Spec Adoption)

-18  
1. This specification is now formatted as a combined specification.  
2. Specification A570/A570M has been removed from Referenced Documents and Section 4. In its place, Specifications A1011/A1011M and A1018/A1018M were added.  
3. Specification has been added to Ordering Information (3.1.3).

-19  
1. Added Supplementary Requirement S1 for ASME Section III Construction.

**Recommended Corrections for Adoption into ASME BPV II**  

NOTE: The intent is that the ASTM proprietary footnotes and notes be removed and not printed. The editors have historically deleted the "boilerplate" and, in addition, have taken care of additional details such as adding the ASME logo and adding the recommended subtitle shown above.

Respectfully submitted: Annemarie Appleton_ Wednesday, January 29, 2020, 10:51 AM  
Phone 973-256-1616   email annemarie.appleton@alloystainless.com
## Table II-200-1
### Other Acceptable ASTM Editions

<table>
<thead>
<tr>
<th>Specification</th>
<th>Latest Adopted</th>
<th>Description</th>
<th>Other Acceptable Editions</th>
</tr>
</thead>
<tbody>
<tr>
<td>SA-6/SA-6M</td>
<td>17a</td>
<td>Identical General Requirements, Rolled Products</td>
<td>88c through 17a</td>
</tr>
<tr>
<td>SA-20/SA-20M</td>
<td>18</td>
<td>Identical General Requirements, Plates</td>
<td>88 through 18</td>
</tr>
<tr>
<td>SA-29/SA-29M</td>
<td>05</td>
<td>Identical General Requirements, Bars</td>
<td>88 through 05</td>
</tr>
<tr>
<td>SA-31</td>
<td>14</td>
<td>Identical except that 3.1.7 has been revised for ASME and certification is mandatory in 14</td>
<td>00 through 14</td>
</tr>
<tr>
<td>SA-36/SA-36M</td>
<td>14</td>
<td>Identical</td>
<td>88 through 14</td>
</tr>
<tr>
<td>SA-47/SA-47M</td>
<td>99(R14)</td>
<td>Identical except for the deletion of welded repair references in 11.2 and 11.3 and mandatory certification in 14.1.</td>
<td>84 through 99(R14)</td>
</tr>
<tr>
<td>SA-53/SA-53M</td>
<td>01</td>
<td>Identical except for the insertion of test practices in 11.1, and editorial corrections to Table X4.1.</td>
<td>88a through 01</td>
</tr>
<tr>
<td>SA-105/SA-105M</td>
<td>05</td>
<td>Identical</td>
<td>87a through 05</td>
</tr>
<tr>
<td>SA-106/SA-106M</td>
<td>08</td>
<td>Identical</td>
<td>88a through 08</td>
</tr>
<tr>
<td>SA-134</td>
<td>90a(R12)</td>
<td>Identical except for additional requirement as shown in the specification.</td>
<td>85 through 90a(R12)</td>
</tr>
<tr>
<td>SA-135/SA-134M</td>
<td>01</td>
<td>Identical</td>
<td>88 through 01</td>
</tr>
<tr>
<td>SA-178/SA-178M</td>
<td>95</td>
<td>Identical</td>
<td>89 through 95</td>
</tr>
<tr>
<td>SA-179/SA-179M</td>
<td>90a(R12)</td>
<td>For products ordered to Section II, Division 1 of the ASME Boiler and Pressure Vessel Code, Supplementary Requirement S15 is mandatory</td>
<td>88a through 90a(R12)</td>
</tr>
<tr>
<td>SA-181/SA-181M</td>
<td>06</td>
<td>Identical</td>
<td>87 through 06</td>
</tr>
<tr>
<td>SA-182/SA-182M</td>
<td>18</td>
<td>Identical except for the inclusion of F316Ti in para. 7.3.1 and the removal of reduced strength levels for thicker sections of Grade F53 in Table 3.</td>
<td>87a through 18</td>
</tr>
</tbody>
</table>

(a) S32202 (F66) heat treatment range shall be 1,870°F to 1,975°F (1,020°C to 1080°C) for ASTM editions prior to -09a
(b) S32202 (F60) min YS in Table 3 shall be 70 (485) in all ASTM editions
(c) S30815 (F45) and S32228 (F56) direct or indirect in-process heat treatment is prohibited for ASTM editions prior to -07
(d) K90901 (F91), other acceptable editions are limited to -18
(e) K91061 (F911), other acceptable editions are limited to 05 or later

SA-192/SA-192M | 91 | Identical | 88 through 91 |
SA-193/SA-193M | 12b| Identical | 05 through 12b|
SA-194/SA-194M | 12| Identical. For Grades 2H, 2, 4, 7, and 16, other acceptable ASTM Editions are limited to -03 and later. For Grades 2HM and 7M, other acceptable ASTM Editions are limited to -04 and later. | 87 through 12 |
SA-203/SA-203M | 17| Identical | 82 through 17 |
SA-204/SA-204M | 17| Identical | 88 through 17 |
SA-209/SA-209M | 03(R12) | Identical | 88 through 03(R12) |
SA-210/SA-210M | 95| Identical except for editorial differences in Table 2 | 88 through 95 |
SPECIFICATION FOR PIPE, STEEL, ELECTRIC-FUSION (ARC)-WELDED (SIZES NPS 16 AND OVER)

All products furnished under this SA specification are intended for application under the rules for ASME Section III for Class III piping. Furnishing of such products is limited to manufacturers who hold the appropriate ASME Certification Mark. Weld procedures, welder, and welding machine operators shall be qualified in accordance with ASME Boiler and Pressure Vessel Code, Section IX. The product shall meet all applicable requirements of Class III Piping including those requirements pertaining to heat treatment and butt welds. The plate used to fabricate the pipe shall conform to SA-283 or SA-285. Authorized inspection at the point of manufacture, and application of the appropriate Certification Mark is required.

The applicable ASME Partial Data Report Form, signed by an Authorized Inspector, and a certified mill test report shall be furnished for each lot of pipe. The term "lot" applies to all pipe of the same mill heat of material and wall thickness which is heat treated in one furnace charge. For pipe which is not heat treated, or which is heat treated in a continuous furnace, a lot shall consist of each 200 ft (61 m) or fraction thereof of all pipe of the same mill heat of material and wall thickness, subjected to the same heat treatment. For pipe which is heat treated in a batch-type furnace which is automatically controlled within a 50°F range and equipped with recording pyrometers so that the heating records are available, a lot may be defined the same as for continuous furnaces. Each length of pipe shall be marked in such a manner as to identify each such piece with the lot and the certified mill test report.

For products ordered to Section III, Division 1 of the ASME Boiler and Pressure Vessel Code, Supplementary Requirement S1 is mandatory.
Designation: A134/A134M – 19

Standard Specification for Pipe, Steel, Electric-Fusion (Arc)-Welded (Sizes NPS 16 and Over)

This standard is issued under the fixed designation A134/A134M; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

This standard has been approved for use by agencies of the U.S. Department of Defense.

1. Scope

1.1 This specification covers electric-fusion (arc)-welded straight seam or spiral seam steel pipe NPS 16 and over in diameter (inside or outside as specified by purchaser), with wall thicknesses up to ¾ in. [19 mm], inclusive. Pipe having other dimensions may be furnished provided such pipe complies with all other requirements of this specification. The pipe is available in various grades based on the ASTM specification ordered (Section 4).

NOTE 1—Acceptability for many services may be controlled by codes or standards such as those published by the American National Standards Institute and American Society of Mechanical Engineers.

NOTE 2—For testing methods not specifically covered in this specification, reference can be made to Test Methods and Definitions A370, with particular reference to Annex A2 on Steel Tubular Products.

NOTE 3—A comprehensive listing of standardized pipe dimensions is contained in ANSI B 36.10.

1.2 The values stated in either SI units or inch-pound units are to be regarded separately as standard. Within the text, the SI units are shown in brackets. The values stated in each system may not be exact equivalents; therefore, each system shall be used independently of the other. Combining values from the two systems may result in non-conformance with the standard. The inch-pound units shall apply unless the “M” designation of this specification is specified in the order. In this specification hard or rationalized conversions apply to diameter, lengths, and tensile properties. Soft conversion applies to other SI measurements.

NOTE 4—The dimensionless designator NPS (nominal pipe size) has been substituted in this standard for such traditional terms as “nominal diameter,” “size,” and “nominal size.”

1.3 The following caveat pertains specifically to Section 5 of this specification. This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety, health, and environmental practices and determine the applicability of regulatory limitations prior to use.

1.4 This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.

2. Referenced Documents

2.1 ASTM Standards:
A36/A36M Specification for Carbon Structural Steel
A283/A283M Specification for Low and Intermediate Tensile Strength Carbon Steel Plates
A370 Test Methods and Definitions for Mechanical Testing of Steel Products
A941 Terminology Relating to Steel, Stainless Steel, Related Alloys, and Ferroalloys
A1011/A1011M Specification for Steel, Sheet and Strip, Hot-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, and Ultra-High Strength
A1018/A1018M Specification for Steel, Sheet and Strip, Heavy-Thickness Coils, Hot-Rolled, Carbon, Commercial, Drawing, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, and Ultra-High Strength
A1058 Test Methods for Mechanical Testing of Steel Products—Metric
2.2 ASME Boiler and Pressure Vessel Code.3
Section III
Section IX

This Specification is under the jurisdiction of ASTM Committee A01 on Steel, Stainless Steel and Related Alloys and is the direct responsibility of Subcommittee A01.09 on Carbon Steel Tubular Products.


*A Summary of Changes section appears at the end of this standard

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3. Ordering Information

3.1 Orders for electric-fusion arc-welded pipe under this specification shall contain information concerning as many of the following items as are required, to describe the desired pipe adequately:

3.1.1 Quantity (feet, metres, or number of lengths),
3.1.2 Name of material (electric-fusion (arc)-welded pipe),
3.1.3 ASTM Specification A134 or A134M and year date,
3.1.4 Grade (if applicable) of steel from which the pipe shall be made (Section 4),
3.1.5 Size (inside or outside diameter and nominal wall thickness), and
3.1.6 Length (specified or random).

3.2 The purchaser shall have the option to order additional requirements, including, but not limited to the following:

3.2.1 Specific straightness requirements (see 12.3),
3.2.2 End finish (Section 14),
3.2.3 Hydrostatic Test Pressure (Section 11),
3.2.4 Protective coating (Section 20),
3.2.5 End use of pipe, and
3.2.6 Other special or supplementary requirements, if any.

4. Material

4.1 The pipe from which the pipe is made shall conform to Specifications A36/A36M, A283/A283M, A285/A285M, A1011/A1011M, A1018/A1018M, or to other ASTM specifications for equally suitable weldable material, as specified. For purposes of marking and certification, when required, the pipe grade of material shall be established by the A xxx plate specification designation and plate grade, when applicable.

5. Manufacture

5.1 The longitudinal edges of the steel shall be shaped to give the most satisfactory results by the particular welding process employed. The steel shall then be properly formed and may be tack prepared to welding. The weld shall be made by automatic means (except tack welds) and shall be of reasonably uniform width and height for the entire length of the pipe. By agreement between the purchaser and the manufacturer, manual welding by qualified procedure and welders may be used as an equal alternate under this specification.

5.2 All longitudinal seams, spiral seams, and shop girth seams shall be butt-welded.

6. Number of Production Weld Tests

6.1 One weld test specimen specified in Section 8 shall be made from each lot of 3000 ft [900 m] of pipe or fraction thereof of each size and wall thickness.

6.2 If any test specimen shows defective machining or develops flaws not associated with the welding, it may be discarded and another specimen substituted.

6.3 Each length of pipe shall be subjected to the hydrostatic test specified in Section 11, unless otherwise specified in 11.3.

7. Retests

7.1 If any specimen tested in accordance with Section 10 fails to meet the requirements, retests of two additional specimens from the same lot of pipe shall be made, each of which shall meet the requirements specified. If any of the retests fail to conform to the requirements, test specimens may be taken from each untested pipe length at the manufacturer’s option. Each specimen shall meet the requirements specified, or that pipe shall be rejected.

8. Test Specimens of Production Welds

8.1 The weld-test specimens for the reduced-section tension test shall be taken perpendicularly across the weld and from the end of the pipe or, alternatively, from flat test pieces of material conforming to the requirements in the specifications used in the manufacture of the pipe. The alternative weld-test specimens shall be welded with the same procedure and by the same operator and equipment, and in sequence with the welding of the longitudinal joints in the pipe. The test pieces shall have the weld approximately in the middle of the specimen. The specimen shall be straightened cold, and shall be tested at room temperature.

8.2 Reduced-section tension-test specimens shall be prepared in accordance with Fig. A2.3 of Test Methods and Definitions A370, Annex A2 Steel Tubular Products.

9. Qualification of Welding Procedure

9.1 The welding procedure shall be qualified in accordance with the American Welding Society Standard Qualification Procedure or ASME Section IX of the Boiler and Pressure Vessel Code as agreed to between the manufacturer and the purchaser using the tests and test values specified in 9.2 and 9.3. Thicknesses less than 3/8 in. [10 mm] shall be qualified for each wall thickness of pipe manufactured. Thicknesses 3/8 to ¼ in. [10 mm to 19 mm], inclusive, shall be qualified in 3/8-in. [10-mm] thickness.

9.2 Two reduced-section tension specimens (transverse weld) made in accordance with Fig. A2.3 of Test Methods and Definitions A370, with the weld reinforcement removed, shall show a tensile strength not less than 100% of the minimum specified tensile strength of the base material used.

9.2 Two reduced-section tension specimens shall be prepared in accordance with Section A2.5.1.7 of Test Methods and Definitions A370 and shall withstand being bent 180° in a jig substantially in accordance with Fig. A2.15.3 of Test Methods and Definitions A370. The bend test shall be acceptable if no cracks or other defects exceeding 3/8 in. [3 mm] in any direction be present in the weld metal or between the weld and the pipe.

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2.3 American National Standards Institute Standard:
B 16.25 Buttwelding Ends
B 36.10 Welded and Seamless Wrought Steel Pipe

4 Above from American National Standards Institute (ANSI), 25 W. 43rd St.,

5 Available from American Welding Society (AWS), 8869 NW 36 St., #130,
metal after bending. Cracks that originate along the edges of the specimens during testing and that are less than ¼ in. [6 mm] in any direction, shall not be considered.

10. Tensile Properties of Production Welds

10.1 Reduced-section tension test specimens required in Section 8, taken perpendicularly across the weld with the weld reinforcement removed, shall show a tensile strength not less than 95 % of the specified minimum strength of the steel. At the manufacturer’s option, the test may be made without removing the weld reinforcement, in which case the tensile strength shall be not less than the specified minimum tensile strength for the grade of steel used.

11. Hydrostatic Test (Note 5)

11.1 Each length of pipe shall be tested by the manufacturer to a hydrostatic pressure that will produce in the pipe wall a stress of 60 % of the specified minimum yield point of the steel used at room temperature. The pressure shall be determined by the following equation:

\[ P = 25D/t \]

where:

- \( P \) = minimum hydrostatic test pressure, psi (Note 6) (not to exceed 2800 psi [19 MPa]),
- \( S \) = 0.60 times the minimum specified yield point of the steel used, psi [MPa],
- \( t \) = specified wall thickness, in. [mm], and
- \( D \) = specified outside diameter, in. [mm].

**Note 5**—A hydrostatic sizing operation is not to be considered a hydrostatic test or a substitute for it.

**Note 6**—When the diameter and wall thickness of pipe are such that the capacity limits of testing equipment are exceeded by these requirements, the test pressures may be reduced by agreement between the purchaser and the manufacturer.

11.2 Test pressure shall be held for not less than 5 s, or for a longer time as agreed upon between the purchaser and the manufacturer.

**Note 7**—When agreed upon between the purchaser and the manufacturer and so stated on the order, pipe may be tested to one and one half times the specified working pressure, except that the maximum test pressure shall not exceed 2800 psi [19 MPa] nor shall the maximum fiber stress exceed 85 % of specified minimum yield point of steel or to a fiber stress that does not exceed 85 % of the specified minimum yield point of the steel or 2800-psi [19-MPa] test pressure.

11.3 When specified in the order, pipe may be furnished without hydrostatic testing and each length so furnished shall include the mandatory marking of the letters “NH.” Additionally, the certification, when required, shall state “Not Hydrostatically Tested” and the specification number and material grade, as shown on the certification, shall be followed by the letters “NH.”

12. Permissible Variations in Weights and Dimensions

12.1 Thickness and Weight—The wall thickness and weight for welded pipe under this specification shall be governed by the requirements of the specifications to which the steel was ordered.

12.2 Circumference—The outside circumference of the pipe shall not vary more than ±0.5 % from the nominal outside circumference based upon the diameter specified, except that the circumference at ends shall be sized, if necessary, to meet the requirements of Section 14.

12.3 Straightness—Finished pipe shall be commercially straight. When specific straightness requirements are desired, the order should so state, and the tolerances shall be a matter of agreement between the purchaser and the manufacturer.

12.4 Ovality—Out-of-roundness—The difference between major and minor inside diameter shall not exceed 1 %. Closer tolerances may be established by agreement between the manufacturer and the purchaser. Where the \( D/T \) (outside diameter/wall thickness) is over 120, internal bracing should be utilized to achieve sizing of ends and ovality shall be by agreement between the manufacturer and purchaser.

13. Lengths

13.1 Pipe lengths shall be supplied in accordance with the following regular practice:

13.1.1 The lengths shall be as specified on the order with a tolerance of ± 1⁄2 in. [13 mm], except that the shorter lengths from which test coupons have been cut may also be shipped.

13.1.2 When random lengths are specified, pipe shall be furnished in lengths having a minimum average of 29 ft [9 m] with a minimum length of 20 ft [6 m], but not more than 5 % may be under 25 ft [8 m].

13.2 Pipe lengths containing circumferentially welded joints (Note 8) shall be permitted by agreement between the manufacturer and the purchaser. Tests of these welded joints shall be made in accordance with the procedure tests specified in Section 9 and the production weld tests specified in Section 10. The number of production weld tests shall be one per each lot of 100 joints or fraction thereof, but not less than one for each welder or welding operator.

**Note 8**—Joints are defined for the purpose of this specification as a circumferential welded seam lying in one plane, used to join lengths of straight pipe.

14. Ends

14.1 Pipe shall be furnished with a plain right-angle cut or with bevel ends as specified. All burrs at the ends of pipe shall be removed.

14.1.1 Unless otherwise specified, pipe with beveled ends shall meet the requirements of ANSI B 16.25.

14.2 Unless otherwise specified, the outside circumference of pipe ends for a distance of not less than 4 in. [100 mm] shall not vary more than ±60 % of the nominal wall thickness of the pipe from the nominal outside circumference based on the diameter specified, except that the tolerance shall not be less than ± 3⁄16 in. [5 mm].

14.3 By agreement between the manufacturer and the purchaser the ends of the pipe may be sized within agreed-upon tolerances if necessary to meet the requirements of special installations.
15. Finish

15.1 Repair by Welding—The welding of injurious defects in the pipe wall, provided their depth does not exceed one third the specified wall thickness, will be permitted. Defects in the welds, such as sweats or leaks, shall be repaired or the piece rejected at the option of the manufacturer. Repairs of this nature shall be made by completely removing the defect, cleaning the cavity, and then welding.

15.2 All repaired pipe shall be tested hydrostatically in accordance with Section 11, unless otherwise specified in 11.3.

16. Inspection

16.1 The inspector representing the purchaser shall have entry at all times while work on the contract of the purchaser is being performed, to all parts of the manufacturer’s works that concern the manufacture of the material ordered. The manufacturer shall afford the inspector all reasonable facilities to satisfy him that the material is being furnished in accordance with this specification. All tests and inspection shall be made at the place of manufacture prior to shipment and unless otherwise specified, shall be so conducted as not to interfere unnecessarily with the operation of the works. If agreed upon, the manufacturer shall notify the purchaser in time so that he may have his inspector present to witness any part of the manufacture or tests that may be desired. The certification shall include reference to this specification and the pipe grade (ASTM plate specification designation and plate grade, when applicable).

16.2 Certification—Upon request of the purchaser in the contract or order, a manufacturer’s certification that the material was manufactured and tested in accordance with this specification, together with a report of the chemical and tensile tests shall be furnished. The pipe grade shall be identified by the plate specification designation (year date not required) and the plate grade (where applicable).

17. Rejection

17.1 Each length of pipe received from the manufacturer may be inspected by the purchaser and, if it does not meet the requirements of this specification based on the inspection and test method as outlined in the specification, the length may be rejected, and the manufacturer shall be notified. Disposition of rejected pipe shall be a matter of agreement between the manufacturer and the purchaser.

17.2 Pipe found in fabrication or in installation to be unsuitable for the intended use, under the scope and requirements of this specification, may be set aside and the manufacturer notified. Such pipe shall be subject to mutual investigation as to the nature and severity of the deficiency and the forming or installation, or both, conditions involved. Disposition shall be a matter of agreement between the purchaser and the manufacturer.

18. Certification

18.1 Upon request of the purchaser in the contract or order, a manufacturer’s certification that the material was manufactured and tested in accordance with this specification, including year date, together with a report of the chemical and tensile tests shall be furnished. The pipe grade shall be identified by the plate specification designation (year date not required) and the plate grade (where applicable).

19. Product Marking

19.1 Each section of pipe shall be marked with the manufacturer’s distinguishing marking, this specification number, and the pipe grade. The marking need not include the year date of the pipe or plate specification.

19.2 Bar Coding—In addition to the requirements in 19.1, bar coding is acceptable as a supplemental identification method. The purchaser may specify in the order a specific bar coding system to be used.

20. Protective Coating

20.1 If agreed upon between the purchaser and the manufacturer, the pipe shall be given a protective coating of the kind and in the manner specified by the purchaser.

SUPPLEMENTARY REQUIREMENTS

One or more of the following supplementary requirements shall be applied only when specified by the purchaser in the inquiry, contract, or order. Details of these supplementary requirements shall be agreed upon in writing by the manufacturer and purchaser. Supplementary requirements shall in no way negate any requirement of the specification itself.

S1. ASME Section III Construction

S1.1 Products furnished under this specification that are intended for application under the rules of the ASME Boiler and Pressure Vessel Code Section III, Class 3 Piping, shall be manufactured by holders of the appropriate ASME Certificate of Authorization and Certification Mark. The product is subject to all applicable requirements of Section III, Class 3 Piping, including welding, heat treatment, nondestructive examination, authorized inspection at the point of manufacture, and application of the Certification Mark.

S1.2 The applicable ASME Partial Data Report Form, signed by an Authorized Nuclear Inspector, and a material test report shall be furnished for each lot of pipe.
SUMMARY OF CHANGES

Committee A01 has identified the location of selected changes to this specification since the last issue (A134/A134M – 18) that may impact the use of this specification. (Approved Nov. 1, 2019.)

(1) Added Supplementary Requirement S1 for ASME Section III Construction.

Committee A01 has identified the location of selected changes to this specification since the last issue (A134 – 96 (2012)) that may impact the use of this specification. (Approved Nov. 1, 2018.)

(1) This specification is now formatted as a combined specification.
(2) Specification A570/A570M has been removed from Referenced Documents and Section 4. In its place, Specifications A1011/A1011M and A1018/A1018M were added.
(3) Specification has been added to Ordering Information (3.1.3).

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