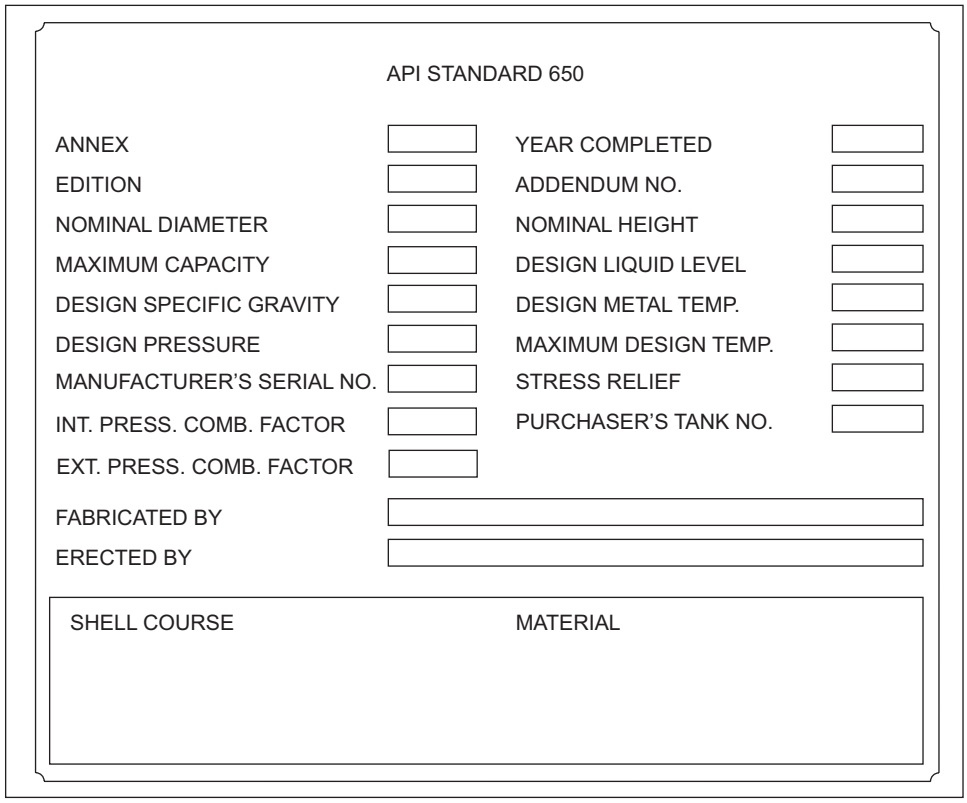
SECTION 10—MARKING

10.1 Nameplates

10.1.1 A tank made in accordance with this standard shall be identified by a nameplate similar to that shown in Figure 10.1. The nameplate shall indicate, by means of letters and numerals not less than 4 mm ($^5/_{32}$ in.) high, the following information:



NOTE At the Purchaser's request, or at the erection Manufacturer's discretion, additional pertinent information may be shown on the nameplate, and the size of the nameplate may be increased proportionately.

Figure 10.1—Manufacturer's Nameplate

a) API Standard 650.

b) The applicable Annex to API Standard 650.

c) The year the tank was completed.

d) The edition and the addendum number of API Standard 650.

e) The nominal diameter and nominal height, in meters (ft and in.).

f) The maximum capacity (see 5.2.5.2), in m^3 (42-gallon barrels).

g) The design liquid level (see 5.6.3.2), in meters (ft and in.).

h) The design specific gravity of the liquid.

i) The design pressure, which shall be shown as “atmospheric” unless Annex F or Annex V applies. If Annex V applies, design pressure shall be shown as a negative number. If both Annex F and Annex V apply, the positive and negative pressures shall be separated by a forward slash and shall be followed by consistent units of measurement.

• j) The design metal temperature as described in 3.8 in °C (°F).

• k) The maximum design temperature, in °C (°F), which shall not exceed 93 °C (200 °F) except in cases where Annex M, S, X, or AL applies.

l) The name of the fabrication Manufacturer if other than the erection Manufacturer. The Manufacturer’s serial number or contract number shall be from the erection Manufacturer.

m) The material specification number for each shell course.

n) When thermal stress-relief is performed to shell openings (nozzles, manholes, flush-type connections, and flush-type cleanout fittings) in accordance with the requirements of 5.7.4, or when applied to an entire tank, the following markings shall be used.

1) Use “SR1” when only flush-type cleanout fittings and flush-type shell connections have been thermally stress-relieved.

2) Use “SR2” when thermal stress-relief has been performed on flush-type cleanout fittings, flush-type shell connections and all shell openings NPS 12 and greater in size in shell plates, insert plates, or thickened insert plates of Groups I through IIIA.

3) Use “SR3” when thermal stress-relief has been performed on flush-type cleanout fittings, flush-type shell connections and all shell openings greater than NPS 2 in. size in shell plates, insert plates, or thickened insert plates of Groups IV through VI.

4) Use “SR4” when thermal stress-relief has been performed on all flush-type cleanout fittings, flush-type shell connections and all shell openings.

5) Use “SR5” when the completed tank, including all shell openings and attachments, has been thermally stress-relieved as a special requirement by the Purchaser.

6) Use “NONE” when thermal stress-relief has not been performed on any tank appurtenances.

o) The Purchaser’s tank number.

p) The internal pressure combination factor, F_p.

q) The external pressure combination factor, F_{pe}.

10.1.2 The nameplate shall be attached to the tank shell adjacent to a manhole or to a manhole reinforcing plate immediately above a manhole. A nameplate that is placed directly on the shell plate or reinforcing plate shall be attached by continuous welding or brazing all around the nameplate. A nameplate that is riveted or otherwise permanently attached to an auxiliary plate of ferrous material shall be attached to the tank shell plate or reinforcing plate by continuous welding. The nameplate shall be of corrosion-resistant metal.

10.1.3 When a tank is fabricated and erected by a single organization, that organization’s name shall appear on the nameplate as both fabricator and erector.

10.1.4 When a tank is fabricated by one organization and erected by another, the names of both organizations shall appear on the nameplate, or separate nameplates shall be applied by each.

10.2 Division of Responsibility

Unless otherwise agreed upon, when a tank is fabricated by one Manufacturer and erected by another, the erection Manufacturer shall be considered as having the primary responsibility. The erection Manufacturer shall make certain that the materials used in the fabrication of the components and in the construction of the tank are in accordance with all applicable requirements.

10.3 Certification

The Manufacturer shall certify to the Purchaser, by a letter such as that shown in Figure 10.2, that the tank has been constructed in accordance with the applicable requirements of this standard. An as-built data sheet in accordance with Annex L shall be attached to the certification letter.

- NOTE At the Purchaser's request or at the erection Manufacturer's discretion, additional pertinent information may be shown on the nameplate, and the size of the nameplate may be increased proportionately.

MANUFACTURER'S CERTIFICATION FOR A TANK BUILT TO API STANDARD 650

To _____
(name and address of Purchaser)

_____

_____

We hereby certify that the tank constructed for you at _____
(location)

_____

_____

and described as follows: _____
(serial or contract number, diameter, height, capacity, floating or fixed roof)

_____

meets all applicable requirements of API Standard 650, _____ Edition, _____ Revision, Annex _____, dated _____, including the requirements for design, materials, fabrication, and erection.

The tank is further described on the attached as-built data sheet dated _____.

_____
Manufacturer

_____
Authorized Representative

_____
Date

Figure 10.2—Manufacturer's Certification Letter