

Part 642 – Specifications

Chapter 3 – National Standard Material Specifications

Material Specification 511—Steel Piles

A. Scope

This specification covers the type and quality of steel piles.

(1) Bearing Piles

- (i) Steel bearing piles shall be structural steel H-piles *conforming* to the requirements of ASTM A36.
- (ii) The required length of pile may be fabricated by butt-welding shorter lengths of pile stock. Unless otherwise specified, the cross-section of each pile shall be constant throughout its length. The axis of the pile shall be straight, and the number of welded joints in the length of the pile shall be as few as practicable. Pieces below the top piece shall have a minimum length of 10 feet.

(2) Sheet Piles

- (i) Steel sheet piles shall conform to the requirements of ASTM A328, ASTM A572, or ASTM A690.
- (ii) Fabrication of piles from shorter lengths of pile stock is not permitted.