

COMBINED STEEL SHEET PILE, EARTH-RETAINING WALL FORMED BY
COMBINED STEEL SHEET PILE, AND METHOD OF SELECTING COMBINED
STEEL SHEET PILE

ABSTRACT

The present invention provides a combined steel sheet pile having a hat-shaped steel sheet pile and an H-shaped steel, wherein the hat-shaped steel sheet pile includes: a web portion; a pair of flange portions provided at both ends of the web portion; a pair of arm portions each provided at respective ends of the pair of flange portions; and a pair of joint portions each formed at respective ends of the pair of arm portions, the H-shaped steel sheet pile includes: a central web portion; a first flange portion provided at one end of the central web portion; and a second flange portion provided at the other end of the central web portion, the second flange portion is fixed on an outside of the web portion of the hat-shaped steel sheet pile, and a minimum yield point ratio σ_{yh}/σ_{ys} of a minimum yield point σ_{yh} of the H-shaped steel and a minimum yield point σ_{ys} of the hat-shaped steel sheet pile is 1.105 or more.

Figure 1