

L-SECTION STEEL SYNTHETIC STRUT FOR EARTH RETAINING STRUCTURE

ABSTRACT

An L-section steel synthetic strut for earth retaining structure. The L-section has four L-section steels so that an edge at which a vertical part and horizontal part meet each other is disposed at each of vertexes of a square, a square connection flange having vertexes corresponding to edge of each of the four L-section steels is bonded to both ends of the four L-section steels, and a connection bolt and a connection nut are coupled to four corners of the connection flange to increase a geometrical moment of inertia and improving buckling and torsional resistance. A protruding portion is removed from the connection flange to quickly and easily move the strut, the strut is connected to the waling at a right angle or various angles to connect strut or a screw jack to waling in various situations, thereby reducing number of connection parts and securing structural stability.

FIG. 1