

ABSTRACT

PREFABRICATED ENCLOSURE

The present invention is a system for manufacturing and assembling prefabricated enclosures from standardised, modular, composite wall panels. The panel features insulation sandwiched between a rib wall panel and a non-corrosive sheet. Mechanical and electrical conduits are concealed in the cavity of the rib wall panel and among the insulation. Tiles or wall coverings are then laid over the non-corrosive sheet. In the preferred embodiment of the present invention, a prefabricated enclosure is formed off site when the wall panels are anchored to a reinforced concrete base. Similarly the wall panels are joined with bolts along the edges to form the corners of the enclosure. When installed on site, the present invention imposes less loading on the foundation slab and is half the thickness of prior art prefabricated enclosure. Because all the key components of the prefabricated enclosure according to this invention are manufactured and assembled off site, the overall quality of the enclosure is preserved. Above all, the present invention offers an overall solution which improves over the acoustic characteristics and space usage of prior art prefabricated enclosures.

Figure 1.

This Sheet Has Been Replaced

