

COMPOSITE STRUCTURAL WALL AND METHOD OF CONSTRUCTION THEREOF

Abstract

5 The present invention relates to pre-cast wall panels and methods to join the wall panels to construct composite structural walls. The wall panel comprises a panel body, at least one guide protruding from at least one groove formed in the panel body. The composite wall is constructed by arranging a first wall panel adjacent to a second wall panel, wherein the at least one guide of the first and second wall panel are overlapped to
10 form a channel; inserting a linking rod into the channel; dispensing grout into a gap between the first and the second wall panel; and curing the grout to join the first and the second wall panel to form the composite structural wall. The wall panel may be part of a prefabricated construction module.

15 (Figure 4A)