

ABSTRACT

The present invention provides a method for constructing a data center using an existing building, the method comprising: identifying the locations of beams on a first floor where a server is to be placed in the existing building; identifying a candidate layout that includes a server placement area, which is an area surrounded by the beams, and a floor removal area, which is an area directly above the server placement area on a second floor directly above the first floor; and determining a layout of the data center according to the weight of the server to be placed in the server placement area and the floor weight of the floor removal area in the candidate layout.

Fig. 5A and Fig. 5B