

ABSTRACT

[0025] A structural assembly comprising a sub-frame element is presented. The structural assembly comprises a sub-frame element, wherein the sub-frame element further comprises a metal sub-frame having a first side configured to be affixed on to a wall and a second side configured to accommodate a main frame. The metal sub-frame comprises two or more projections, a first projection configured to hold a fixing flange and a second projection configured to hold a template flange, the first and the second projections having longitudinally extended grooves, and the metal sub-frame comprising a hollow structure tapered on one edge. The sub-frame element comprising the metal sub-frame, the fixing flange, and the template flange is disposed around an opening that is configured to receive the main frame, and the main frame is further configured to hold a door or a window. The fixing flange is configured to be grouted within the wall and the template flange is configured to maintain constant distance between two metal sub-frames. The structural assembly that is disposed around the opening comprises a plurality of the metal sub-frames, each sub-frame element comprising two metal sub-frames disposed substantially parallel to each other.