

EXTENDED LENGTH PANELS

ABSTRACT

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A reinforced building panel comprises a body of a generally lightweight material, including autoclaved aerated concrete, and a generally non-planar reinforcement embedded within the body of the panel. The reinforcement comprises an interconnected array of longitudinal reinforcing elements and transverse reinforcing
10 elements. In the array, either the longitudinal reinforcement element or the transverse reinforcement element has adjacent sections which extend in different directions to one another about a bend or other change of direction. The other reinforcement element is connected to the array at the bend or change of direction. Examples of the non-planar reinforcement are described and illustrated. Panels having the non-planar
15 reinforcement are able to be manufactured with reduced thickness whilst maintaining strength and rigidity thereby effecting a cost saving and allowing easier installation of the panels in building structures.

(FIG. 1)