CLAIMS:

1. A building structure, which constitutes a factory or a warehouse, comprising:

a plurality of support structures each including a plurality of columns and a beam attached to the plurality of columns, wherein the plurality of support structures are placed with being spaced at certain intervals in a ridge direction; and

a sandwich panel which connects the beams with each other,

the plurality of columns being each formed of reinforced concreate,

the beam including:

a lower chord being fixed to an upper surface of each of the plurality of columns;

an upper chord being placed above the lower chord; and

a plurality of connecting materials each connecting the lower chord and the upper chord,

the lower chord including:

a flange being fixed to an upper surface of each of the plurality of columns by bolting the flange; and

a vertical part to which the plurality of connecting materials are bolted above the flange,

the plurality of connecting materials including:

a plurality of diagonal materials being inclined with respect to a vertical direction, each of the plurality of diagonal materials being a C-shaped steel; and

a vertical material being between the diagonal materials and elongating in the vertical direction, the vertical material being a C-shaped steel,

the sandwich panel being fixed to the upper chord,

the sandwich panel including:

a lower metal skin being placed over a flange of the upper chord;

an upper metal skin having an upper surface which constitutes a roof surface of the building structure; and

a core being filled between the lower metal skin and the upper metal skin,

the lower metal skin including a plurality of recesses which elongate in the ridge direction, the recesses recessing upward,

the building structure including no purlins elongating in a direction perpendicular to a longitudinal direction of the beam.

2. The building structure according to claim 1, wherein

the upper metal skin has a protrusion which is a continuous protrusion along the ridge direction and protrudes throughout the ridge direction of the upper metal skin.