

[ABSTRACT]

This beam and column joining portion structure is a structure joining a beam and a column by connecting the beam and the column using the non-contact lap splice overlapping a joining reinforcing bar projecting from the column in a transverse direction
 5 with a main reinforcement of the beam to have a predetermined gap interposed therebetween. In addition, the lap splice length L of the joining reinforcing bar and the main reinforcement is set to be the required joint length L_d of the non-contact lap splice calculated using the following Equation (1) or more.

[Formula 1]

$$L_d = L_p + \frac{f_y \cdot a_s}{\phi \cdot \tau_{b \max}} \quad (1)$$