CLAIMS

[Claim 1] A joint configuration comprising:

a supporting member having an RC structure; and

a floor slab that is abutted against and joined to the supporting member in an abutting direction,

wherein the supporting member includes a supporting concrete,

the floor slab includes

a floor concrete, and

a plurality of bent bar anchorages that are embedded in the supporting concrete and the floor concrete,

each of the bent bar anchorages includes

an anchoring portion that extends along an up-down direction in the supporting concrete, and

an extending portion that extends from an upper end portion of the anchoring portion along the abutting direction in the supporting concrete and the floor concrete,

two or more bent bar anchorages of the plurality of bent bar anchorages form a bundled bar in which the anchoring portions of the two or more bent bar anchorages are disposed in contact with each other, and

one extending portion and another extending portion among the extending portions of the two or more bent bar anchorages forming the bundled bar are disposed at positions different from each other in the up-down direction.

[Claim 2] The joint configuration according to Claim 1,

wherein the anchoring portions of the two or more bent bar anchorages forming the bundled bar are disposed at an equivalent position in the abutting direction.

[Claim 3] The joint configuration according to Claim 1 or 2,

wherein the extending portion of the bent bar anchorage, which has a smallest diameter, among the two or more bent bar anchorages forming the bundled bar is disposed at a highest position among the extending portions of the two or more bent bar anchorages.

[Claim 4] The joint configuration according to Claim 1 or 2,

wherein a plurality of the bundled bars are provided at intervals in a crossing direction crossing a virtual plane parallel to each of the abutting direction and the up-down direction, and

in a case where an equivalent reinforcing bar diameter $d_{r,eq}$ of the bundled bars is defined by Equation (1), a distance in the crossing direction between the bundled bars adjacent to each other in the crossing direction is six or more times the equivalent reinforcing bar diameter $d_{r,eq}$,

here, $d_{r,i}$ is a diameter of an i-th bent bar anchorage among n sets of the two or more bent bar anchorages forming one bundled bar.

$$d_{r,eq} = \sqrt{\sum_{i=1}^{n} \left(d_{r,i}{}^{2} \right)} \qquad \cdot\cdot (1)$$

[Claim 5] A construction method of a joint configuration for constructing a joint configuration including a supporting member having an RC structure, and a floor slab that is abutted against and joined to the supporting member in an abutting direction,

wherein the supporting member includes a supporting concrete,

the floor slab includes

a floor concrete, and

a plurality of bent bar anchorages that are embedded in the supporting concrete and the floor concrete,

each of the bent bar anchorages includes

an anchoring portion that extends along an up-down direction in the supporting concrete, and

an extending portion that extends from an upper end portion of the anchoring portion along the abutting direction in the supporting concrete and the floor concrete,

two or more bent bar anchorages of the plurality of bent bar anchorages form a bundled bar in which the anchoring portions of the two or more bent bar anchorages are disposed in contact with each other, and

one extending portion and another extending portion among the extending portions of the two or more bent bar anchorages forming the bundled bar are disposed at positions different from each other in the up-down direction.

[Claim 6] The construction method of a joint configuration according to Claim 5,

wherein the anchoring portions of the plurality of bent bar anchorages forming the bundled bar are disposed at an equivalent position in the abutting direction.

[Claim 7] The construction method of a joint configuration according to Claim 5 or 6,

wherein the extending portion of the bent bar anchorage, which has a smallest diameter, among the two or more bent bar anchorages forming the bundled bar is disposed at a highest position among the extending portions of the two or more bent bar anchorages.

[Claim 8] The construction method of a joint configuration according to Claim 5 or 6,

wherein a plurality of the bundled bars are constructed to be provided at intervals in a crossing direction crossing a virtual plane parallel to each of the abutting direction and the up-down direction, and

in a case where an equivalent reinforcing bar diameter $d_{r,eq}$ of the bundled bars is defined by Equation (2), the bundled bars are constructed such that a distance in the

crossing direction between the bundled bars adjacent to each other in the crossing direction is six or more times the equivalent reinforcing bar diameter $d_{r,eq}$,

here, $d_{r,i}$ is a diameter of an i-th bent bar anchorage among n sets of the two or more bent bar anchorages forming one bundled bar.

$$d_{r,eq} = \sqrt{\sum_{i=1}^{n} \left(d_{r,i}{}^{2} \right)} \qquad \cdot\cdot (2)$$

5