What is claimed is:

1. A joint structure of a column and a steel pipe pile, comprising:

a column of a superstructure;

a steel pipe pile having a spiral rib on an inner wall surface, by rolling monolithically with the steel pipe pile, being erected in the ground, and an interior thereof being filled with concrete; and

a connection member that includes

a strut having a leg portion, which is inserted into the steel pipe pile and fixed by concrete, and a joint portion to be joined with the column, and

at least two cross beams attached to the strut in a horizontal direction.

2. The joint structure of a column and a steel pipe pile according to claim 1, further comprising:

positioning means provided between the connection member and an upper portion of the steel pipe pile, for regulating a position of the connection member in a vertical direction and adjusting the position in the vertical and horizontal directions.

3. The joint structure of a column and a steel pipe pile according to claim 1, further comprising:

a coupling beam coupling between the cross beams of the adjacent connection members.

4. The joint structure of a column and a steel pipe pile according to claim 1,

wherein the adjacent connection members are coupled to each other by a coupling beam in advance to form a framework.

5. The joint structure of a column and a steel pipe pile according to claim 3,

wherein the coupling beam and the cross beam provided on the connection member are joined by bolting or joined by the bolting and by welding.

6. The joint structure of a column and a steel pipe pile according to claim 1,

wherein the rib is arranged so as to correspond at least to a range where the concrete is filled in the interior of the steel pipe pile.

~~7. The joint structure of a column and a steel pipe pile according to any one of claims 1 to 6, wherein the rib is formed monolithically with the steel pipe pile.~~