CLAIMS

1. A construction management system for managing a construction of a building, comprising:

a storage device storing management information in which information relating to a structure constituting a building and information relating to a building material constituting the structure are associated with each other; and

an output unit for displaying information indicating the information relating to the building material, for each the structure, according to the management information, in a construction management table of the building;

wherein, in a case where a degree of detail of the information relating to the building material satisfies a predetermined condition, the output unit displays a representation which is different from a case where the predetermined condition is not satisfied, with respect to the information indicating the information relating to the building material, in the construction management table.

2. The construction management system according to claim 1, wherein the degree of detail of the information relating to the building material is made to be an index for indicating a degree of detail of information, in a range of from information at a level where a standard of the building material or a component constituting the building material is indicated, to information at a level where an order can be placed for the building material or the component constituting the building material.

3. The construction management system according to claim 1 or 2, wherein the degree of detail is divided into:

a first level where a standard of the building material or a component constituting the building material can be indicated;

a second level where product information relating to a product of the building material or the component satisfying the standard can be indicated; and

a third level where an order can be placed for the product.

4. The construction management system according to claim 3, wherein the first level is LOD 350, and the third level is LOD 400.

5. The construction management system according to any one of claims 1 to 4, wherein the predetermined condition means that the information relating to the structure is associated with the information relating to the building material with respect to a component constituting the building material; and

wherein, in a case where the information relating to the structure and the information relating to the building material with respect to the component constituting the building material are associated with each other and are stored, the output unit displays the information indicating information relating to the building material, and information which is different from a case where the predetermined condition is not satisfied, in the construction management table.

6. The construction management system according to any one of claims 1 to 5, wherein the predetermined condition means that the building material or a component constituting the building material is approved;

wherein, in a case where the building material or the component constituting the building material is approved, the output unit displays a representation which is different from a case where the predetermined condition is not satisfied, with respect to the information relating to the building material, in the construction management table.

7. The construction management system according to any one of claims 1 to 6, wherein the predetermined condition means that all components constituting the building material are approved, and

wherein, in a case where all components constituting the building material are approved, the output unit displays a representation which is different from a case where the predetermined condition is not satisfied, with respect to the information indicating a kind of the building material, in the construction management table.

8. The construction management system according to any one of claims 1 to 7, wherein, in a case where the predetermined condition is satisfied, the output unit performs any one of:

changing a color at least one of a character or a symbol indicating the building material;

changing a color of an area including information indicating the building material of the structure; and

changing a color of a frame of an area including information indicating the building material

of the structure.

9. The construction management system according to any one of claims 1 to 8, further comprising a change reception unit for receiving a change of a component constituting the building material to which information relating to the structure is associated;

wherein the building materials or the components are grouped when belonging to same kind; and

wherein, in a case where the change reception unit receives a change of one of the building material and the component, the change reception unit changes other building materials or components included in the same group of the one of the building material and the component.

10. The construction management system according to claim 9, wherein the building materials or the components are grouped together when belonging to same kind across a space dividing the building; and

wherein, in a case where the change reception unit receives a change of a kind of one of the building material and the component, the change reception unit changes a representation of information relating to the building material with respect to the other building materials or the components included in the same group of the one of the building material and the component, across the space.

11. The construction management system according to claim 10, wherein, in a case where the change reception unit receives a change of a kind of one of the building material and the component, the change reception unit changes a representation of information relating to the building material with respect to one or a plurality of the other building materials or the components which are selected from among the other building materials or the components included in the same group of the one of the building material and the component, across the space.

12. The construction management system according to any one of claims 9 to 11, further comprising a change reception unit for receiving a change of a component constituting the building material which is associated with information relating to the structure,

wherein the building material or the component are grouped by a space dividing the building; and

wherein, in a case where the change reception unit receives a change of one of the building material and the component, the change reception unit changes other building materials or components included in the same group of the one of the building material and the component.

13. The construction management system according to any one of claims 1 to 12, further comprising a status management unit for managing information relating to a component constituting the building material which is associated with information relating to the structure;

wherein, in a case where the status management unit receives a change of one of the building material and the component, the output unit displays information which is different from a case where a change of one of the building material and the component is not received, with information indicating information relating to other building materials or components included in the same group of the one of the building material and the component.

14. The construction management system according to any one of claims 1 to 13, wherein the output unit outputs, for each space of the building, information relating to the building material in association with the structure arranged in the space.

15. The construction management system according to any one of claims 1 to 14, wherein the output unit collectively outputs information indicating the structure associated with the building material which is identified based on the management information, for each information relating to the building material.

16. The construction management system according to any one of claims 1 to 15,
wherein a degree of detail of the information relating to the structure is a degree of detail of BIM data of the building,
wherein the predetermined condition is that the degree of detail of the information relating to the building material is higher than the degree of detail of the BIM data of the building,
and wherein, in a case where the degree of detail of the information relating to the building material is higher than the degree of detail of the BIM data of the building, the output unit displays a representation which is different from a case where the degree of detail of the information relating

to the building material is not higher than the degree of detail of the BIM data of the building, in the construction management table.

17. A construction management method for managing a construction of a building, comprising:

a step of displaying information indicating information relating to a building material, for each structure, according to management information in which information relating to a structure constituting the building and information relating to a building material constituting the structure are associated with each other, in a construction management table; and

wherein, at the step of displaying information, in a case where a degree of detail of information relating to a constitution of the building material satisfies a predetermined condition, based on the management information, information which is different from a case where the predetermined condition is not satisfied, is displayed with information indicating a kind of the building material of the structure, in the construction management table.

18. A program for causing a computer to execute each step of the construction management method according to claim 17.