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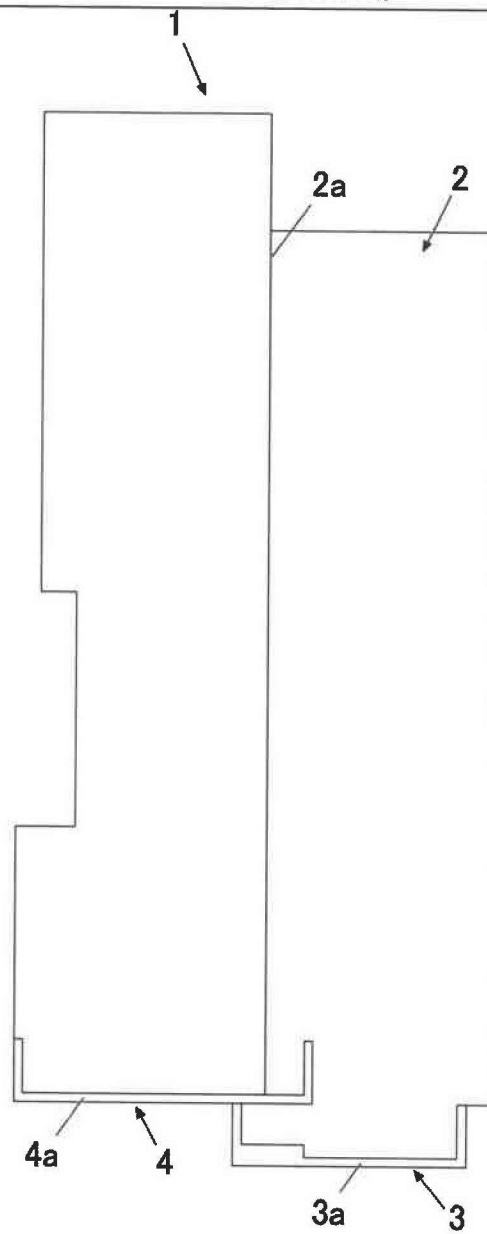
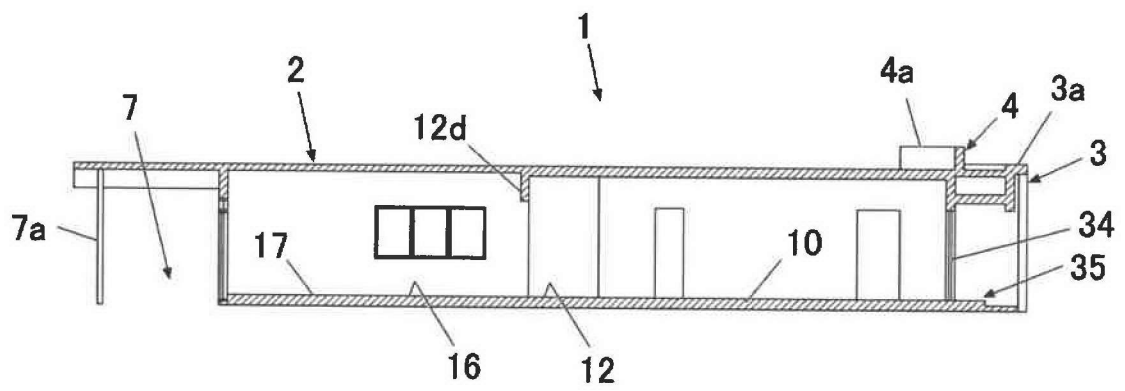
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Abstract

A building (1) comprising a corridor (10) (first corridor (10)) extending from a hallway (hallway door (34)) to the center of the building (1), a plurality of zones (11-15, 35) adjacent to the corridor (10) with walls (10a-10f) interposed therebetween, and a plurality of circulating travel lines (TL1-TL4) formed in a way that they overlap with each other through the corridor (10) and enable movement from the corridor (10) through any of the plurality of zones (11-15, 35) and back to the corridor (10).

DRAWINGS



DESCRIPTION

BUILDINGS

FIELD

[0001] The present invention relates to buildings, such as houses or the like.

BACKGROUND

[0002] If there are many "dead ends" in the layout of a house, the number of times of going back and forth in the same space will be increased, and sometimes the efficiency of housework may be poor. Therefore, as in the case of the building in the patent document 1, circulating travel lines comprising the inside of the storage room at the center and the peripheries of the storage room are formed to improve the ease of movement in the building.

Prior Art Literature

Patent Documents:

[0003] Patent document 1: Patent Publication No. JP2013-124468

SUMMARY

Technical Problem

[0004] In addition, the building in the patent document 1 is provided with multiple rooms arranged radially centering on a storage room. Therefore, although the travel lines through the storage room make it easy to go and back among the rooms, it is difficult to apply them to a building with a layout different from the layout in which the storage room is arranged at the center. Moreover, for example, sometimes a room (e.g., a closet 11c) is arranged outside a corner part of the storage room; in such a case, it may be difficult to move between that room and other rooms (e.g., a kitchen 12).

[0005] The present invention is developed in view of the above-mentioned problem. The technical problem of the present invention is to form highly universal and efficient circulating travel lines compared with the conventional techniques.

[0006] The invention in technical scheme 1 is characterized in that, building 1, for example, as shown in Figs. 1-4, comprises corridor 10 (first corridor 10) extending from a hallway (hallway door 34) to the center of the building 1, and a plurality of zones 11-15 and 35 adjacent to the corridor 10 with walls 10a-10f interposed therebetween,

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a plurality of circulating travel lines TL1-TL4 are formed in a way that they overlap with each other through the corridor 10, and enables movement from the corridor 10 through any of the plurality of zones 11-15 and 35 and back to the corridor 10.

[0007] According to the invention in technical scheme 1, since a plurality of circulating travel lines TL1-TL4 are formed in a way that they overlap with each other through the corridor 10 and enables movement from the corridor 10 through any of the plurality of zones 11-15 and 35 and back to the corridor 10, the corridor 10 and the plurality of zones 11-15 and 35 adjacent to the corridor 10 with walls 10a-10f interposed therebetween can be connected by the plurality of circulating travel lines TL1-TL4. Accordingly, it is possible to move around the corridor 10 extending from the hallway to the center of the building 1 and the plurality of zones 11-15 and 35 adjacent to the corridor 10 continuously. Thus, compared with conventional techniques, a highly universal and efficient circulating travel lines can be formed.

[0008] The invention in technical scheme 2 is characterized in that, for example, as shown in Figs. 3 and 4, in the building 1 according to the technical scheme 1, wherein:

the plurality of zones 11-15 and 35 comprise a main bedroom 11, a kitchen 12, a first storage room 13 located between the main bedroom 11 and the kitchen 12, a garage 14, a second storage room 15 adjacent to the garage 14, and outdoor space connecting the hallway (hallway door 34) and the garage 14 (including the outdoor space of hallway entrance 35),

the main bedroom 11, the kitchen 12, and the first storage room 13 are arranged in a way that they are aligned along one side in the length direction of the corridor 10, and

the garage 14 and the second storage room 15 are arranged in a way that they are aligned along the other side in the length direction of the corridor 10.

[0009] According to the invention in technical scheme 2, since the plurality of zones 11-15 and 35 comprise a main bedroom 11, a kitchen 12, a first storage room 13, a garage 14, a second storage room 15, and outdoor space, it is possible to move around those zones 11-15 and 35 through the corridor 10.

In addition, since the main bedroom 11, the kitchen 12, and the first storage room 13 are arranged in a way that they are aligned along one side in the length direction of the corridor 10, while the garage 14 and the second storage room 15 are arranged in a way that they are aligned along the other side in the length direction of the corridor 10, a highly universal layout centering on the elongated corridor 10 extending from the hallway to the

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center of the building 1 can be realized.

[0010] The invention in technical scheme 3 is characterized in that, for example, as shown in Figs. 3 and 4, in the building 1 according to the technical scheme 2,

wherein the plurality of circulating travel lines TL1-TL4 comprise:

a first circulating travel line TL1 enabling movement around the corridor 10, the main bedroom 11, and the first storage room 13,

a second circulating travel line TL2 enabling movement around the corridor 10, the kitchen 12, and the first storage room 13, and

a third circulating travel line TL3 enabling movement around the corridor 10, the garage 14, the second storage room 15, and the outdoor space.

[0011] According to the invention in technical scheme 3, a plurality of circulating travel lines TL1-TL4 comprise: a first circulating travel line TL1 enabling movement around the corridor 10, the main bedroom 11, and the first storage room 13, a second circulating travel line TL2 enabling movement around the corridor 10, the kitchen 12, and the first storage room 13, and a third circulating travel line TL3 enabling movement around the corridor 10, the garage 14, the second storage room 15, and the outdoor space. Therefore, it is possible to move around the main bedroom 11, the kitchen 12, and the garage 14 continuously through the first storage room 13, the second storage room 15, and the outdoor space, without passing through the centrally located corridor 10.

[0012] The invention in technical scheme 4 is characterized in that, for example, as shown in Figs. 3 and 4, in the building 1 according to the technical scheme 3,

wherein the first circulating travel line TL1 and the second circulating travel line TL2 further overlap with each other in the direction orthogonal to the length direction of the corridor 10.

[0013] According to the invention in technical scheme 4, since the first circulating travel line TL1 and the second circulating travel line TL2 further overlap with each other in the direction orthogonal to the length direction of the corridor 10, the continuity of the first circulating travel line TL1 and the second circulating travel line TL2 is improved, and the movement between the zones in the first circulating travel line TL1 and the zones in the second circulating travel line TL2 is more efficient.

[0014] The invention in technical scheme 5 is characterized in that, for example, as shown in Figs. 3 and 4, in the building 1 according to the technical scheme 3 or 4,

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wherein an island-type kitchen counter 12c is arranged in the kitchen 12 away from the internal walls of the building 1, and

a plurality of circulating travel lines TL1-TL4 comprise an auxiliary circulating travel line TL4 enabling movement around the corridor 10 and the kitchen counter 12c in the kitchen 12, and the circulating auxiliary travel line and the second circulating travel line overlap with each other in the direction orthogonal to the length direction of the corridor.

[0015] According to the invention in technical scheme 5, since the plurality of circulating travel lines TL1-TL4 comprise an auxiliary circulating travel line TL4 enabling movement around the corridor 10 and the island-type kitchen counter 12c in the kitchen 12, the around-movement scope can be enlarged by the part of auxiliary circulating travel line TL4. In addition, since the auxiliary circulating travel line TL4 and the second circulating travel line TL2 overlap with each other in the direction orthogonal to the length direction of the corridor 10, the continuity of the auxiliary circulating travel line TL4 and the second circulating travel line TL2 is improved, and the movement between the zones in the auxiliary circulating travel line TL4 and the zones in the second circulating travel line TL2 is more efficient.

[0016] The invention in technical scheme 6 is characterized in that, for example, as shown in Figs. 3 and 4, in the building 1 according to any of the technical schemes 2-5,

wherein the main bedroom 11 comprises a bed space 11a, a water space 11b, and a walk-in closet 11c, and

wherein the first circulating travel line TL1 is formed in a way that it enables movement from the corridor 10 through the bed space 11a, the water space 11b, the walk-in closet 11c, the first storage room 13, and back to the corridor 10.

[0017] According to the invention in technical scheme 6, since the first circulating travel line TL1 centering on the main bedroom 11 comprising a bed space 11a, a water space 11b and a walk-in closet 11c is formed in a way passing from the corridor 10 through the bed space 11a, the water space 11b, the walk-in closet 11c, the first storage room 13, and back to the corridor 10, living activities such as sleeping, getting up, dressing, and washing, etc. can be carried out efficiently in the first circulating travel line TL1.

Effects of the Invention

[0018] Compared with the conventional techniques, highly universal and efficient circulating travel lines can be formed according to the present invention.

DESCRIPTION

BRIEF DESCRIPTION OF THE DRAWINGS

- [0019]** Fig. 1 is a perspective view of the building;
 Fig. 2A is a front view of the building;
 Fig. 2B is a back view of the building;
 Fig. 2C is a left view of the building;
 Fig. 2D is a right view of the building;
 Fig. 2E is a top view of the building;
 Fig. 2F is a B-B sectional view in Fig. 2A;
 Fig. 3 is an A-A sectional view in Fig. 2A;
 Fig. 4 is an enlarged view of the major part in Fig. 3.

DETAILED DESCRIPTION

[0020] Hereunder some embodiments of the present invention will be detailed with reference to the accompanying drawings. Though various technically preferred definitions are applied in the following embodiments to implement the present invention, the technical scope of the present invention is not limited to the following embodiments and illustrated examples. Moreover, the orientations in the following embodiments and illustrated examples are set only for the convenience of description.

[0021] The reference sign 1 in Figs. 1-4 show a building. The building 1 is a one-story residential building formed longer in the east-west direction than in the south-north direction. The roof 2 is a gable roof, having roof surfaces extending in both south and north direction from ridge 2a elongated in the east-west direction.

[0022] In the front side of the building 1, the front outer wall 3 located at the northern side is arranged in a way that it is more protruding in the front direction (eastern side) than the front outer wall 4 located in the southern side.

The front outer wall 3 at the northern side comprises a first front outer wall 31, a second front outer wall 32, and a third front outer wall 33 that are staggered in the front-rear direction (front-back direction).

[0023] The first front outer wall 31 arranged at the forefront is formed into a door shape having two longitudinal rectangles that are longer in the top-bottom direction than in the

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left-right direction and one lateral rectangle that is arranged between the top ends of the two longitudinal rectangles and longer in the left-right direction than in the top-bottom direction.

[0024] The second front outer wall 32 is arranged behind the first front outer wall 31, and in the front view, is arranged to a height extending from the height position of the bottom edge of the longitudinal rectangles of the first front outer wall 31 to the height position of the bottom edge of the lateral rectangle.

In addition, in the front view, the second front outer wall 32 is arranged with a width extending from a position near the center between the two longitudinal rectangles of the first front outer wall 31 to the position of the right longitudinal rectangle. Moreover, an opening portion 32a with a window sash is arranged at the center side of the second front outer wall 32.

[0025] The third front outer wall 33 is arranged behind the second front outer wall 32, and forms a hanging wall shape extending downward from the height position of the bottom edge of the longitudinal rectangle of the first front outer wall 31 in the front view. In addition, in the front view, the third front outer wall 33 is arranged to a width extending from the position of the left longitudinal rectangle of the first front outer wall 31 to the position of the second front outer wall 32.

[0026] An outer wall with a hallway (opening portion) is formed at the inner side of the third front outer wall 33 in a hanging wall shape, and a hallway door 34 is arranged at the hallway. In addition, a hallway porch 35 is arranged at the outdoor side of the hallway door 34, and a corridor 10 (hereinafter referred to as a first corridor 10) is arranged at the indoor side of the hallway door 34.

[0027] The front outer wall 4 at the southern side is an outer wall at the front side of a garage 14 described below, and forms an opening portion for vehicle access. A garage shutter door 41 for opening/closing the opening portion is arranged at the opening portion for vehicle access.

In this embodiment, the garage shutter door 41 is configured to have width corresponding to the total width of two vehicles. Moreover, though not shown, a side door may be arranged on the garage shutter door 41 so that the users can access the garage even when the garage shutter door 41 is closed.

[0028] Moreover, the top end portion 3a of the front outer wall 3 at the northern side and the top end portion 4a of the front outer wall 4 at the southern side rise in a way that they are

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more protruding upward than the roof 2. In addition, the top end portion 3a of the front outer wall 3 at the northern side and the top end portion 4a of the front outer wall 4 at the southern side are formed in a shape like a Japanese katakana character "コ" (substantially C shape or substantially U shape) in the top view.

[0029] On the back side of the building 1, the back outer wall 5 at the northern side is arranged in a way that it is more protruding in the back direction (western side) than the back outer wall 6 located at the southern side. Accordingly, a patio 7 is arranged at the outdoor side of the back outer wall 5 at the northern side. The roof 2 is arranged projecting outward above the patio 7. In addition, the corner portions of the projecting roof 2 are supported by pillars 7a arranged on the patio 7.

[0030] Next, the interior of the building 1 will be described. As described above, a first corridor 10 in an elongated shape extending from the hallway to the center of the building is arranged at the position where the indoor space can be accessed when the hallway door 34 is opened.

Moreover, at the northern side of the first corridor 10, as plurality of zones in the building 1, a main bedroom 11, a kitchen 12, and a first storage room 13 located between the main bedroom 11 and the kitchen 12 are arranged in a way that they are aligned in the east-west direction. In addition, at the southern side of the first corridor 10, as plurality of zones in the building 1, a garage 14 and a second storage room 15 adjacent to the garage 14 are arranged in a way that they are aligned in the east-west direction. Moreover, the hallway door 34 and the garage 14 are connected by the outdoor space including the hallway porch 35.

[0031] The main bedroom 11 is adjacent to the first corridor 10 with wall 10a interposed therebetween, the kitchen 12 is adjacent to the first corridor 10 with wall 10b interposed therebetween, and the first storage room 13 is adjacent to the first corridor 10 with a wall 10c interposed therebetween.

Moreover, the garage 14 is adjacent to the first corridor 10 with a wall 10d interposed therebetween, the second storage room 15 is adjacent to the first corridor 10 with a wall 10e interposed therebetween, and the hallway porch 35 is adjacent to the first corridor 10 with a wall 10f interposed therebetween. Furthermore, a hallway entrance is formed in the wall 10f, and a hallway door 34 is arranged at the hallway entrance.

[0032] The main bedroom 11 is located at the northern side of the hallway porch 35 and at

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inner side of the front outer wall 3 at the northern side, and comprises a bed space 11a, a water space 11b, and a walk-in closet 11c.

[0033] The bed space 11a is a space for sleeping where bedding (e.g., bed 101) is arranged. The water space 11b is arranged at the western side of the bed space 11a.

The water space 11b is formed into a substantially L-shape in the top view, and provided with a washroom 11b1, a toilet 11b2 adjacent to the western side of the bed space 11a and a bathroom 11b3 at the western side of the washroom 11b1.

The walk-in closet 11c is also referred to as a walk-in wardrobe, and is a clothes storage space that people can walk in. In addition, the walk-in closet 11c is located at the southern side of the washroom 11b1 and the bathroom 11b3 in the water space 11b, and at the western side of the toilet 11b2.

In the main bedroom 11, a bed 100 and a bedside table 101 are provided in the bed space 11a, a wash basin 102 is provided in the washroom 11b1, and a water closet 103 is provided in the toilet 11b2. Moreover, a plurality of hanger pipes 104, 105 and 106 for hanging clothes hangers are provided in the walk-in closet 11c.

[0034] A plurality of doors (entrance) are arranged in the main bedroom 11. That is to say, an entrance is formed between the bed space 11a and the first corridor 10, and a door D1 is arranged at the entrance. In addition, an entrance is formed between the water space 11b and the walk-in closet 11c, and a door D2 is arranged at the entrance. Moreover, an entrance is formed between the walk-in closet 11c and the first storage room 13, and a door D3 is arranged at the entrance. In addition, a door is also arranged in the toilet 11b2, but the reference sign for it is omitted in the accompanying drawings.

[0035] The first storage room 13 is arranged at the western side of the bathroom 11b3 and the walk-in closet 11c in the main bedroom 11.

As described above, the first storage room 13 is located between the main bedroom 11 and the kitchen 12, and is mainly used to store the articles used in the main bedroom 11 and the articles used in the kitchen 12. More specifically, linen products such as towels and bedsheets, etc., food, kitchen utensils, and cooking appliances, etc. are stored there. The linen products are stored near the door D3 is opened between the first storage room 13 and the walk-in closet 11c. In addition, food and the like are stored in the northern space of the first storage room 13.

Moreover, an entrance 13a for movement between the northern space for food

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storage and the kitchen 12 is formed at the western side of the northern space for food storage. In addition, the entrance 13a is formed in a dividing wall 13b for separating the food storage space from the kitchen 12.

In addition, an entrance is formed between the first storage room 13 and the first corridor 10, and a door D4 is arranged at the entrance.

In the first storage room 13, a storage shed 107 for storing linen products and the like is arranged on the dividing wall 13b between the first storage room and the kitchen 12.

[0036] The kitchen 12 is a room for cooking, and an entrance 12a for movement between the kitchen 12 and the first corridor 10 is formed at the southern side.

Moreover, a kitchen counter 12b with stove is arranged near the dividing wall 13b between the kitchen 12 and the first storage room 13. In addition, an island-type kitchen counter 12c with water sink is arranged in parallel to the kitchen counter 12b with stove.

The island-type kitchen counter 12c is arranged to separate from the kitchen counter 12b with stove and the internal walls of the building 1.

In the kitchen 12, a refrigerator 108 is arranged separately at the north side of the kitchen counter 12b with stove, and a kitchen board (storage shed) 109 is arranged separately at the north side of the island-type kitchen counter 12c.

[0037] The garage 14 refers to a built-in parking space arranged at the inner side of an outer wall of the building 1, and is located at the inner side of the front outer wall 4 at the southern side. In addition, as described above, an opening portion (with a garage shutter door 41) for vehicle access is formed in the front outer wall 4 at the southern side.

Moreover, a space is provided in the garage 14 that allows people to pass after vehicles are parked. Thus, the internal space of the garage 14 can be used as a part of the travel line.

In the garage 14, for example, a storage shed 110 for storing various tools for the work in the garage 14 is arranged, utilizing a side wall of the second storage room 15.

[0038] The second storage room 15 is arranged at the western side of the garage 14. In the second storage room 15, a storage portion 111 for storing shoes and a storage portion 112 for storing cleaning tools are produced. In addition, in the second storage room 15, a wash basin 113 (water faucet) and a washing machine 114 for washing hands and clothes after the work (e.g., vehicle repair work) in the garage 14 is performed.

Moreover, an entrance 15a for movement between the second storage room 15 and

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the first corridor 10 is formed at the northern side of the second storage room 15. In addition, the entrance 15a is formed in the wall 10e between the second storage room 15 and the first corridor 10.

Moreover, an entrance is formed between the second storage room 15 and the garage 14, and a door D5 is arranged at the entrance. In addition, an opening portion connecting the garage 14 and the outdoor space is formed on the west-facing outer wall of the garage 14, and a door is arranged at the opening portion, but the reference sign for the door is omitted.

[0039] A dining room 16 and a living room 17 are arranged at the end (western side) of the first corridor 10. The dining room 16 is located at the western side of the kitchen 12, and the living room 17 is located at the western side of the dining room 16.

Moreover, a media room 18 (also referred to as a theater room) for enjoying movies and TV programs is arranged at the end of the building center of the first corridor 10 and at the southern side of the dining room 16.

A dining table set (a table 115 and multiple chairs) are arranged in the dining room 16.

A TV 116 and a TV stand 117, living tables 118 and 119, and a sofa 120 are arranged in the living room 17.

Moreover, a patio 7 is arranged outdoor at the western side of the living room 17, and movement between the living room 17 and the patio 7 is possible through an opening portion 121 (a sweep window) of the back outer wall 5 at the northern side.

A TV 122 and a TV stand 123, a living table 124, and a sofa 125 are arranged in the media room 18.

[0040] Different from the dining room 16, the living room 17, and the media room 18, the first corridor 10 and the kitchen 12 are not divided clearly and definitely by walls, doors, or the like. A hanging wall 12d, which extends downward from the ceiling and is in a substantially L-shape in the top view, is arranged between the kitchen 12 and the dining room 16, and between the first corridor 10 and the media room 18.

Moreover, the first corridor 10 and the kitchen 12 are separated from the dining room 16, the living room 17, and the media room 18 by the hanging wall 12d. In addition, with the hanging wall 12d arranged in that way, it is preferable that it is difficult for the hot air and smoke flow from the kitchen 12 to the side of the dining room 16 and the side of the media room 18.

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[0041] A second corridor 19 is arranged at the south side of the dining room 16 and the living room 17, and at the western side of the media room 18. Similar to the first corridor 10, the second corridor 19 is also formed in a way that it is longer in the east-west direction than in the south-north direction.

The second corridor 19 comprises a storeroom 19a arranged at one end (eastern end) in the length direction and a toilet 19b arranged at the other end (western end). In addition, the toilet 19b is arranged at the inner side of the back outer wall 6 at the southern side, and a water closet 126 is provided in it.

[0042] A plurality of rooms 20-23 are arranged at the southern side of the second corridor 19. The plurality of rooms 20-23 are arranged in a way that they are aligned along the southern side in the length direction of the second corridor 19. One room among the plurality of rooms 20-23 is a bathroom 21, and the other rooms 20, 22 and 23 are used as children's room and bedroom in this embodiment, but may also be used for other purposes (e.g., guest rooms).

Storage portions 127, 128 and 129 produced for storing clothes and the like are arranged in the rooms 20, 22, and 23.

A bath tub 130 and a wash basin 131 are arranged in the bathroom 21. In addition, a storage portion 132 produced for storing linen products (e.g., towels) is arranged in the bathroom 21. In addition, a shower room 133 is arranged at the northern side of the storage portion 132 for storing linen products in the bathroom 21.

[0043] In the building 1 formed as described above, a plurality of circulating travel lines TL1-TL4 are formed in a way that they overlap with each other through the first corridor 10, and enables movement from the first corridor 10 through any of the plurality of zones (including the main bedroom 11, the kitchen 12, the first storage room 13, the garage 14, the second storage room 15, and the indoor space of the hallway entrance 35) and back to the first corridor 10.

In addition, the circulating travel lines refers to circulation lines enabling movement around (circumduction) the spaces in the building, specifically circulation lines enabling movement from a position (origin) in the building through other positions and finally back to the origin. That is to say, they are passable spaces designed for movement around in the building for the purpose of reducing "dead ends" in the building as far as possible.

The plurality of circulating travel lines TL1-TL4 include a first circulating travel line

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TL1, a second circulating travel line TL2, a third circulating travel line TL3, and an auxiliary circulating travel line TL4.

[0044] The first circulating travel line TL1 enables movement around the first corridor 10, the main bedroom 11, and the first storage room 13. Described in more detail, the first circulating travel line TL1 is formed in a way that it enables movement from the first corridor 10 through the bed space 11a, the water space 11b (11b1 and 11b3), the walk-in closet 11c, the first storage room 13, and returns to the first corridor 10. Moreover, the movement may be reversed.

In the first circulating travel line TL1, a door D1 between the first corridor 10 and the bed space 11a, a door D2 between the water space 11b and the walk-in closet 11c, a door D3 between the walk-in closet 11c and the first storage room 13, and a door D4 between the first storage room 13 and the first corridor 10 are arranged.

[0045] With such a first circulating travel line TL1, the users may carried out living activities such as sleeping and getting up in the bed space 11a, dressing or washing in the washroom 11b1, bathing in the bathroom 11b3, and selecting or changing clothes in the walk-in closet 11c, etc. In addition, since linen products and the like are stored in the first storage room 13, it is easy to store and take out the towels and the like used in the bathroom 11b3 or the washroom 11b1.

[0046] The second circulating travel line TL2 enables movement around the first corridor 10, the kitchen 12, and the first storage room 13. Described in more detail, the second circulating travel line TL2 is formed in a way that it enables movement from the first corridor 10 through the kitchen 12, the first storage room 13, and back to the first corridor 10. Moreover, the movement may be reversed.

In the second circulating travel line TL2, a door D4 between the first storage room 13 and the first corridor 10, an entrance 13a between the kitchen 12 and the first storage room 13, and an entrance 12a between the kitchen 12 and the first corridor 10 are arranged.

[0047] With such a second circulating travel line TL2, the users may carried out living activities, such as cooking in the kitchen 12, and storing and replenishing food and the like in the first storage room 13, etc. In addition, since linen products and the like are stored in the first storage room 13, it is easy to store and take out the towels and the like used in the kitchen 12.

[0048] The third circulating travel line TL3 enables movement around the first corridor 10,

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the garage 14, the second storage room 15, and the above-mentioned outdoor space. Described in more detail, the third circulating travel line TL3 is arranged in a way that it enables movement from the first corridor 10 through the second storage room 15, the garage 14 and the outdoor space including the hallway entrance 35, and back to the first corridor 10. Moreover, the movement may be reversed.

In addition, the outdoor space that constitute the third circulating travel line TL3 refers to outdoor space in a movement essentially in a shape of a Japanese katakana character "コ" (substantially C shape or substantially U shape) in the top view, including a position at the exit from the garage 14 to the outdoor space, a section from that position to the position of the hallway entrance 35, and the hallway entrance 35. In addition, in the case that a side door is arranged in the garage shutter door 41, the side door is preferably arranged at a position near the side of the hallway entrance 35 in the garage shutter door 41.

In the third circulating travel line TL3, a door D5 between the garage 14 and the second storage room 15, a garage shutter door 41 between the garage 14 and the outdoor space, and a hallway door 34 between the hallway entrance 35 and the first corridor 10 are arranged, and an entrance 15a between the first corridor 10 and the second storage room 15 is formed.

[0049] With such a third circulating travel line TL3, after the users get on/off the vehicles or load/unload the goods in the garage 14, they can move toward the side of the second storage room 15 or the side of the hallway door 34. In addition, the user may carry out living activities, such as repairing the vehicles in the garage 14, storing tools, shoes and the like and washing clothes in the second storage room 15, etc.

[0050] The auxiliary circulating travel line TL4 enables movement around the first corridor 10 and the island-type kitchen counter 12c in the kitchen 12. Described in more detail, the auxiliary circulating travel line TL4 is formed in a way that it allows movement from the first corridor 10 through the kitchen 12, the dining room 16, and back to the first corridor 10. Moreover, the movement may be reversed.

An entrance 12a between the first corridor 10 and the kitchen 12 is formed in the auxiliary circulating travel line TL4.

[0051] With such an auxiliary travel line TL4, the users may take the food prepared in the kitchen 12 to the dining room 16 or wash the dishware after the meal.

[0052] Since the plurality of circulating travel lines TL1-TL4 overlap with each other

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through the first corridor 10, they may also take a role of a big circulating travel line. Therefore, the living activities carried out in the circulating travel lines TL1-TL4 may be incorporated in a series.

For example, the user may carry out living activities in a series, including getting up in the bed space 11a, bathing in the bathroom 11b3, dressing in the washroom 11b1 or the walk-in closet 11c, preparing food in the kitchen 12, having meals in the dining room 16, and getting on the vehicles in the garage 14 and driving away. That is to say, in such an example, the user seldom encounter a "dead end" and can complete an outgoing process smoothly and successfully, from getting up in the morning to going out to work. In summary, since the plurality of circulating travel lines TL1-TL4 overlap with each other through the first corridor 10, a scenario of delay at a "dead end" position is seldom encountered during living activities in the building 1, and the living activities can be completed more smoothly and successfully.

Moreover, the first circulating travel line TL1 and the second circulating travel line TL2 further overlap with each other in a direction orthogonal to the length direction of the first corridor 10. More specifically, the first circulating travel line TL1 and the second circulating travel line TL2 overlap with each other in the first storage room 13. Therefore, these circulating travel lines TL1 and TL2 not only are continuous in the first corridor 10, but also are continuous in the direction orthogonal to the first corridor 10. Therefore, the living activities in these circulating travel lines TL1 and TL2 may be carried out in combination easily.

Furthermore, the auxiliary circulating travel line TL4 and the second circulating travel line TL2 further overlap with each other in the direction orthogonal to the length direction of the first corridor 10. More specifically, the auxiliary circulating travel line TL4 and the second circulating travel line TL2 overlap with each other between the kitchen counter with stove 12b and the island-type kitchen counter 12c in the kitchen 12. Therefore, these circulating travel lines TL4 and TL2 not only are continuous in the first corridor 10, but also are continuous in the direction orthogonal to the first corridor 10. Therefore, the living activities in these circulating travel lines TL4 and TL2 may be carried out in combination easily.

[0053] Moreover, for the doors (hallway door 34, doors D1-D5, and other doors) used by the building 1 described above, there is no particular restriction on the door opening/closing form (hinged door, sliding door, double-sliding door, inwardly opened door, or retracting

DESCRIPTION

door, etc.). That is to say, an appropriate opening/closing form may be employed according to the specific arrangement of the door.

Moreover, as the plurality of zones adjacent to the first corridor 10 with the walls 10a-10f interposed therebetween, the indoor space including the main bedroom 11, the kitchen 12, the first storage room 13, the garage 14, the second storage room 15, and of the hallway entrance 35 can be cited, but the zones are not limited to those rooms and spaces, and may further include rooms for other functions. For example, a guest room or the like may be included in replacement of the garage 14. In that case, the third circulating travel line TL3 may not include outdoor space.

[0054] According to this embodiment, since a plurality of circulating travel lines TL1-TL4 are formed in a way that they overlap with each other through the first corridor 10 and enables movement from the first corridor 10 through any of the plurality of zones 11-15 and 35 and back to the first corridor 10, the first corridor 10 and the plurality of zones 11-15 and 35 adjacent to the first corridor 10 with the walls 10a-10f interposed therebetween can be connected by the plurality of circulating travel lines TL1-TL4. Accordingly, it is possible to move around the first corridor 10 extending from the hallway to the center of the building 1 and the plurality of zones 11-15 and 35 adjacent to the first corridor 10 continuously. Thus, compared with the conventional techniques, highly universal and efficient circulating travel lines can be formed.

[0055] In addition, since the plurality of zones 11-15 and 35 comprise the main bedroom 11, the kitchen 12, the first storage room 13, the garage 14, the second storage room 15, and outdoor space, it is possible to move around those zones 11-15 and 35 through the first corridor 10.

In addition, since the main bedroom 11, the kitchen 12, and the first storage room 13 are arranged in a way that they are aligned along one side in the length direction of the first corridor 10, while the garage 14 and the second storage room 15 are arranged in a way that they are aligned along the other side in the length direction of the first corridor 10, a highly universal layout centering on the elongated-shaped first corridor 10 extending from the hallway to the center of the building 1 can be realized.

[0056] Moreover, the plurality of circulating travel lines TL1-TL4 comprise a first circulating travel line TL1 enabling movement around the first corridor 10, the main bedroom 11, and the first storage room 13, a second circulating travel line TL2 enabling movement

DESCRIPTION

around the first corridor 10, the kitchen 12, and the first storage room 13, and a third circulating travel line TL3 enabling movement around the first corridor 10, the garage 14, the second storage room 15, and the outdoor space. Therefore, it is possible to move around the main bedroom 11, the kitchen 12 and the garage 14 continuously through the first storage room 13, the second storage room 15 and the outdoor space, even without passing through the first corridor 10 that is located in the center.

[0057] Moreover, since the first circulating travel line TL1 and the second circulating travel line TL2 further overlap with each other in the direction orthogonal to the length direction of the corridor 10, the continuity of the first circulating travel line TL1 and the second circulating travel line TL2 is improved, and the movement between the zones in the first circulating travel line TL1 and the zones in the second circulating travel line TL2 is more efficient.

[0058] Moreover, since the plurality of circulating travel lines TL1-TL4 comprise an auxiliary circulating travel line TL4 enabling movement around the first corridor 10 and surrounding regions of the island-type kitchen counter 12c in the kitchen 12, the around-moving scope corresponding to the auxiliary circulating travel line TL4 can be enlarged. In addition, since the auxiliary circulating travel line TL4 and the second circulating travel line TL2 overlap with each other in the direction orthogonal to the length direction of the corridor 10, the continuity of the auxiliary circulating travel line TL4 and the second circulating travel line TL2 is improved, and the movement between the zones in the auxiliary circulating travel line TL4 and the zones in the second circulating travel line TL2 is more efficient.

[0059] Moreover, since the first circulating travel line TL1 centering on the main bedroom 11 comprising a bed space 11a, a water space 11b and a walk-in closet 11c is formed in a way that it enables movement from the first corridor 10 through the bed space 11a, the water space 11b, the walk-in closet 11c, the first storage room 13, and back to the first corridor 10, living activities such as sleeping, getting up, dressing and washing, etc. can be carried out in the first circulating travel line TL1.

Description of Reference Signs

[0060] 1: Building

3: Front outer wall located at northern side

DESCRIPTION

34: Hallway door
35: Hallway entrance
4: Front outer wall located at southern side
41: Garage shutter door
10: First corridor
10a: Wall
10b: Wall
10c: Wall
10d: Wall
10e: Wall
10f: Wall
11: Main bedroom
11a: Bed space
11b: Water space
11b1: Washroom
11b2: Toilet
11b3: Bathroom
11c: Walk-in closet
12: Kitchen
12a: Entrance
12b: Kitchen counter with stove
12c: Island-type kitchen counter
12d: Hanging wall
13: First storage room
13a: Entrance
13b: Dividing wall
14: Garage
15: Second storage room
15a: Entrance
D1: Door
D2: Door
D3: Door

DESCRIPTION

D4: Door

D5: Door

TL1: First circulating travel line

TL2: Second circulating travel line

TL3: Third circulating travel line

TL4: Auxiliary circulating travel line

CLAIMS

1. A building, comprising a corridor extending from a hallway to the center of the building, and a plurality of zones adjacent to the corridor with walls interposed therebetween,
a plurality of circulating travel lines formed in a way that they overlap with each other through the corridor and route from the corridor through any of the plurality of zones and back to the corridor.
2. The building according to claim 1, wherein the plurality of zones comprise a main bedroom, a kitchen, a first storage room located between the main bedroom and the kitchen, a garage, a second storage room adjacent to the garage, and an outdoor space connecting the hallway and the garage,
the main bedroom, the kitchen, and the first storage room are arranged in a way that they are aligned along one side in the length direction of the corridor,
the garage and the second storage room are arranged in a way that they are aligned along the other side in the length direction of the corridor
3. The building according to claim 2, wherein the plurality of circulating travel lines comprise,
a first circulating travel line enabling movement around the corridor, the main bedroom, and the first storage room,
a second circulating travel line enabling movement around the corridor, the kitchen, and the first storage room, and
a third circulating travel line enabling movement around the corridor, the garage, the second storage room, and the outdoor space.
4. The building according to claim 3, wherein the first circulating travel line and the second circulating travel line further overlap with each other in a direction orthogonal to the length direction of the corridor.
5. The building according to claim 3 or 4, wherein an island-type kitchen counter is provided in the kitchen away from the internal walls of the building,
the plurality of circulating travel lines further comprise an auxiliary circulating travel

CLAIMS

line enabling movement around the corridor and the kitchen counter in the kitchen, and the auxiliary circulating travel line and the second circulating travel line overlap with each other in the direction orthogonal to the length direction of the corridor.

6. The building according to any of claims 2-5, wherein the main bedroom comprises a bed space, a water space, and a walk-in closet,

the first circulating travel line is formed in a way that it routes from the corridor through the bed space, the water space, the walk-in closet, the first storage room, and back to the corridor.

DRAWINGS

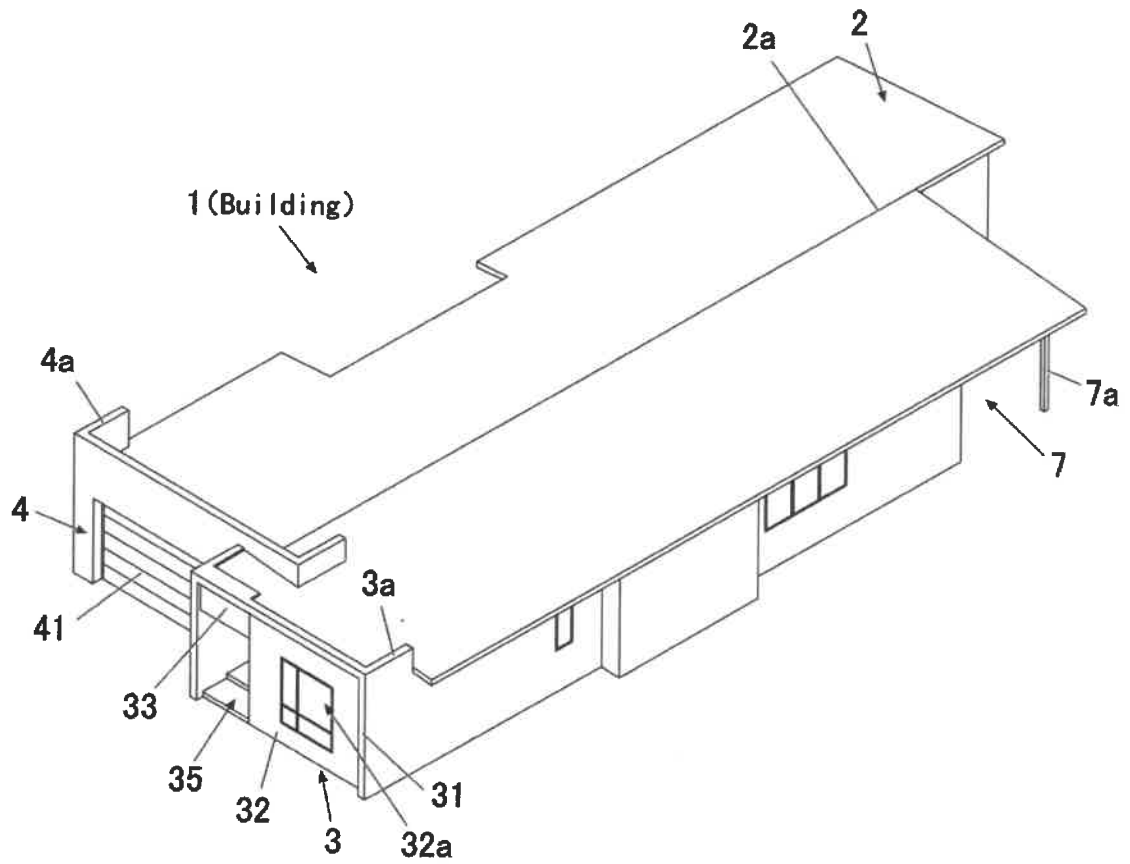


FIG. 1

DRAWINGS

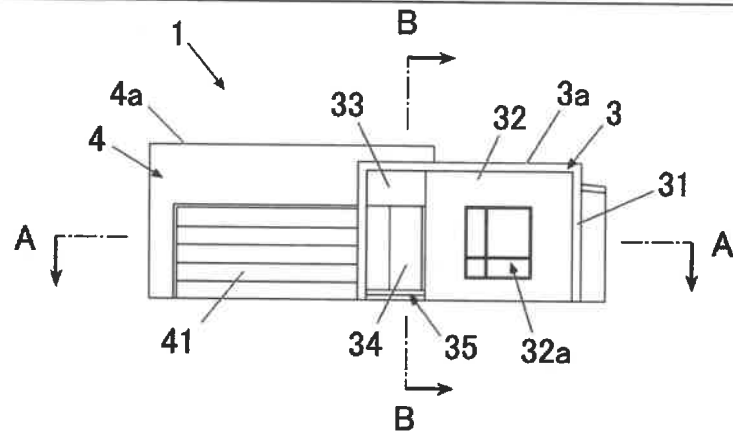


FIG. 2A

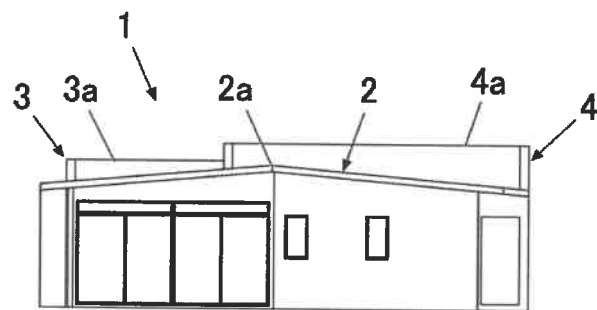


FIG. 2B

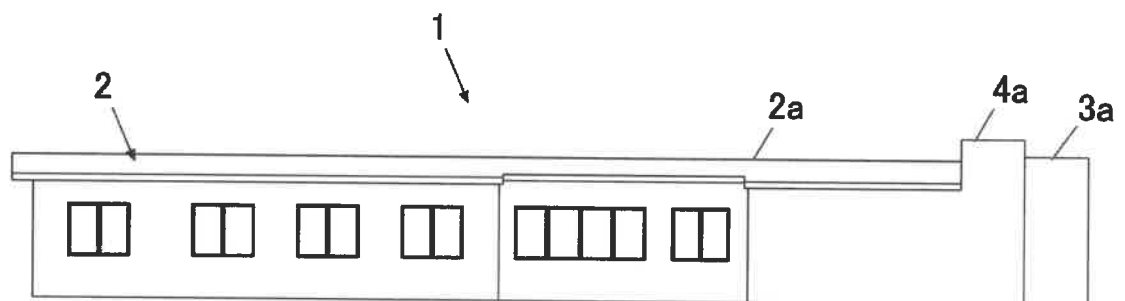


FIG. 2C

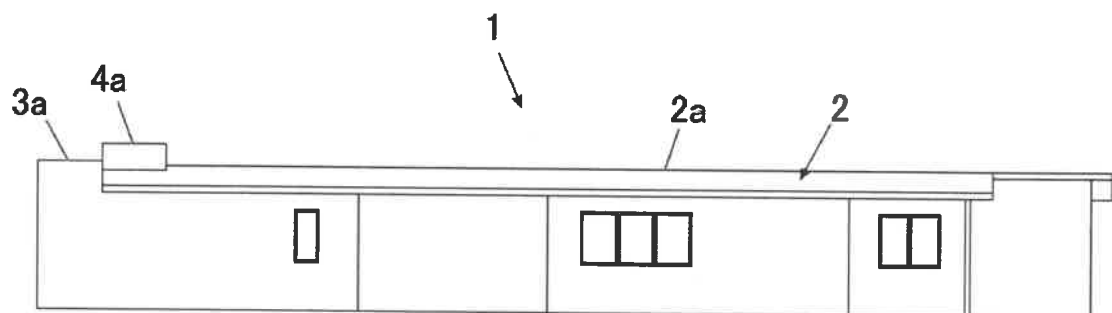


FIG. 2D

DRAWINGS

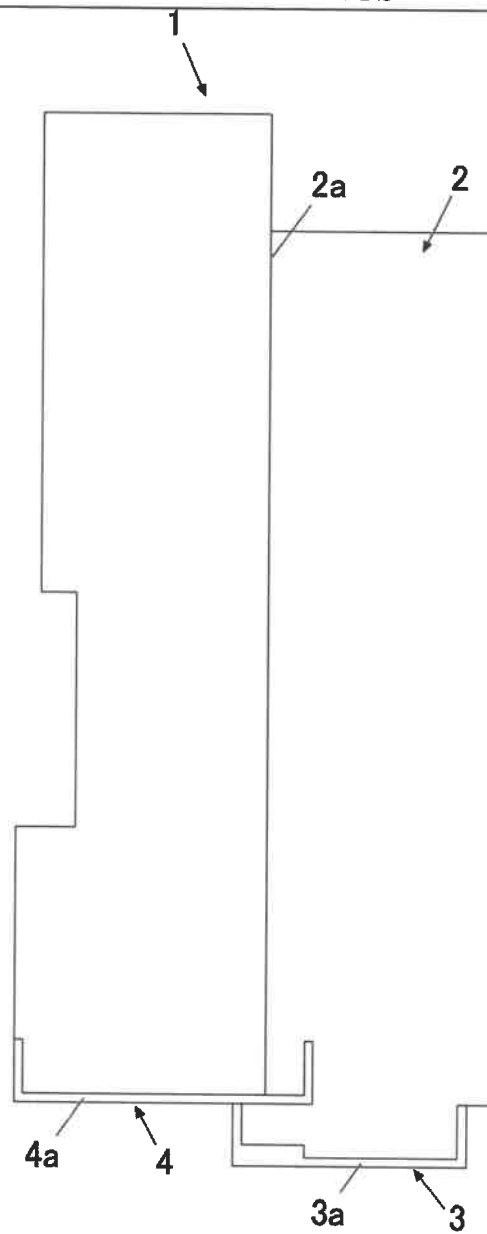


FIG. 2E

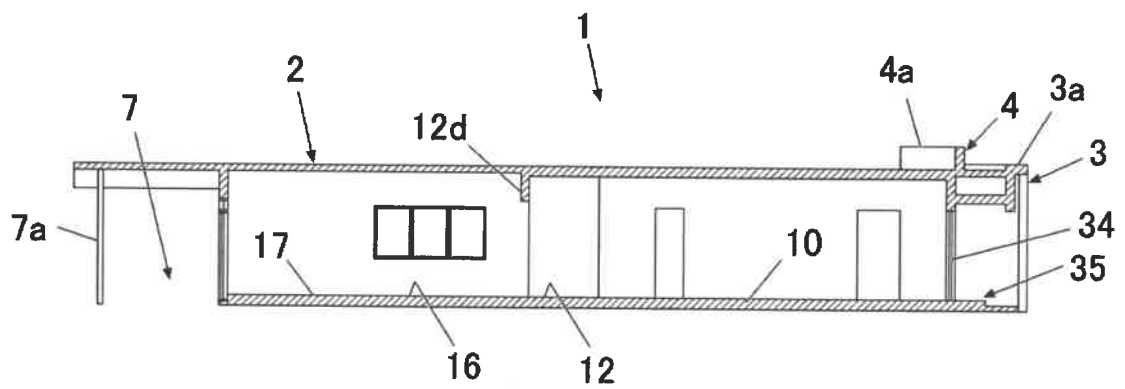


FIG. 2F

DRAWINGS

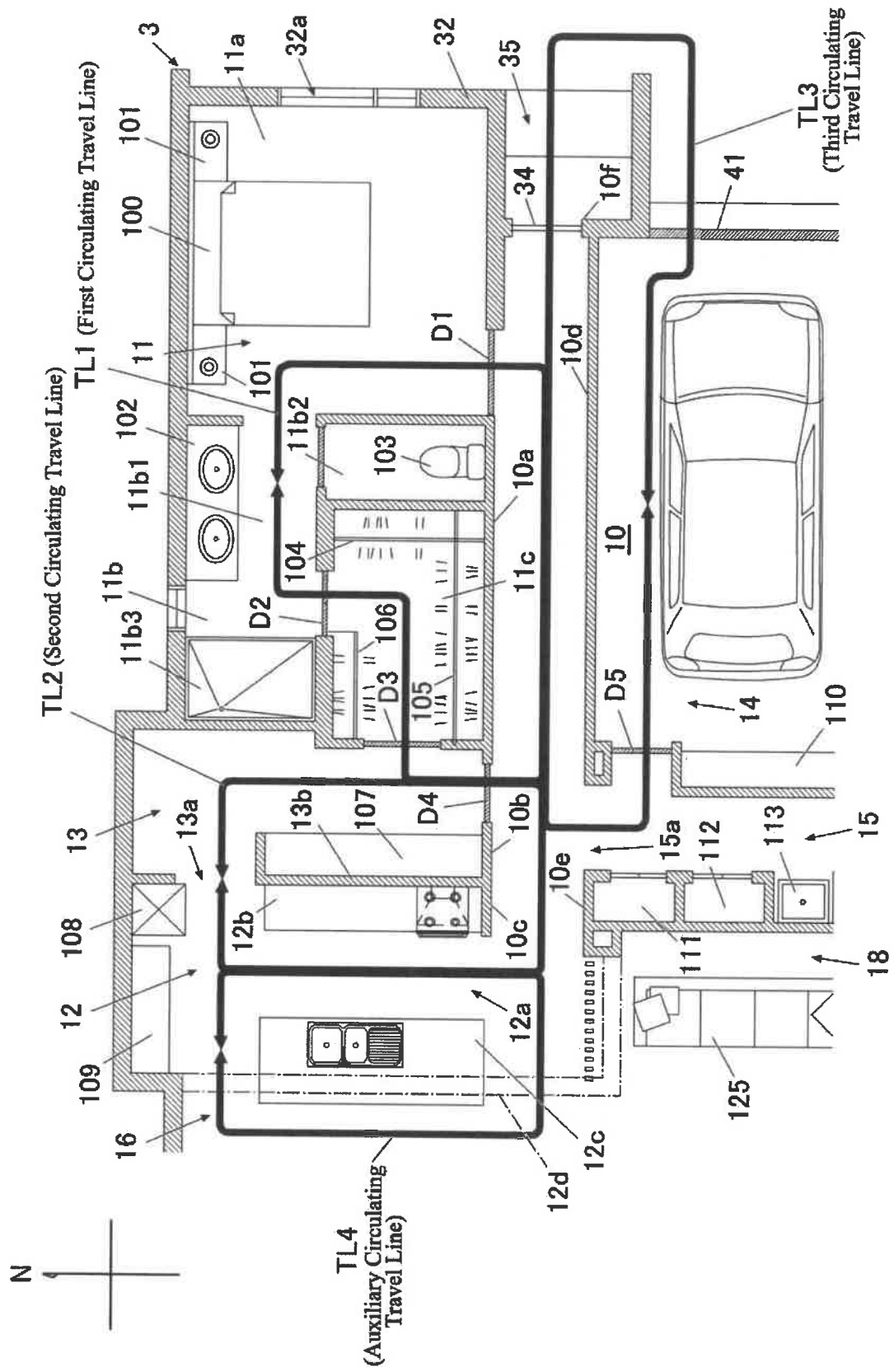


FIG. 4